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November 13, 2019

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17105-3265

**SUBJECT:** Non-Bypassable Transmission Service Charge (NBT) Semiannual Adjustment, PECO Energy Electric Tariff No. 6, Supplement No. 22, Effective December 1, 2019, Docket No. P-2014-2409362

Dear Secretary Chiavetta:

This filing contains PECO Energy Company's (PECO) semiannual adjustment to the Non-Bypassable Transmission Service Charge (NBT), effective December 1, 2019. This filing is being made in accordance with PECO's Tariff approved in Docket No. P-2014-2409362.

The following attachments are included in support of this filing:

Attachment 1 – Revised tariff pages for NBT;  
Attachment 2 – NBT Calculation for Residential - Rates R & RH;  
Attachment 3 – NBT Calculation for C&I Rate GS;  
Attachment 4 – NBT Calculation for C&I Rates HT, PD, EP;  
Attachment 5 – NBT Calculation for Street Lighting - Rates SLE, SLS, SLC, POL, AL, TLCL.

This adjustment to the NBT continues to reflect the impact of approved Regional Transmission Expansion Plan ("RTEP") credits being refunded to the PECO Zone by PJM, pursuant to the Settlement Agreement under FERC Docket # EL05-121-009. The NBT will continue to reflect RTEP credits that PJM will refund through 2025 as specified in the Settlement.

Note that the Commission initiated a proceeding, see Docket No. M-2018-3005860, in response to stakeholder interventions regarding PECO's retention of \$5,560,416 of the total RTEP credits. Over the NBT filing periods from December 1, 2018 through November 30, 2019, PECO has retained \$5.5 million of these credits to recover overpaid RTEP costs previously absorbed by PECO from 2007 through 2010. This filing reflects PECO's retention of the remaining balance of \$60,416. Similar to PECO's request when filing its two prior NBT adjustments, PECO requests that the NBT tariff rates specified in this filing not be suspended by the Commission, but rather that such rates be placed into effect, subject to refund.

Rosemary Chiavetta, Secretary  
November 13, 2019  
Page 2

Thank you for your assistance in this matter. Please direct any questions regarding the above to Richard Schlesinger, Manager, Retail Rates at (215) 841-5771.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Webster, Jr.", followed by a horizontal line.

Richard G. Webster, Jr.  
Vice President  
Regulatory Policy & Strategy

Copies to: K. G. Sophy, Director, Office of Special Assistants  
P. T. Diskin, Director, Bureau of Technical Utility Services  
K. A. Monaghan, Director, Bureau of Audits  
R. A. Kanaskie, Director, Bureau of Investigation & Enforcement  
Office of Consumer Advocate  
Office of Small Business Advocate  
McNees, Wallace & Nurick

**PECO Energy Company**

**Electric Service Tariff**

**COMPANY OFFICE LOCATION**

**2301 Market Street**

**Philadelphia, Pennsylvania 19101**

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**For List of Communities Served, See Page 4.**

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**Issued November 13, 2019**

**Effective December 1, 2019**

**ISSUED BY: M. A. Innocenzo – President & CEO  
PECO Energy Distribution Company  
2301 MARKET STREET  
PHILADELPHIA, PA. 19101**

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**NOTICE**

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**LIST OF CHANGES MADE BY THIS SUPPLEMENT**

**Non-Bypassable Transmission Charge (NBT) - 3<sup>rd</sup> Revised Page No. 43**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate R - Residence Service - 7<sup>th</sup> Revised Page No. 49**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate RH - Residential Heating Service - 7<sup>th</sup> Revised Page No. 50**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate GS - General Service - 5<sup>th</sup> Revised Page No. 54**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate SL-E Street Lighting Customer Owned Facilities - 4<sup>th</sup> Revised Page No. 63**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate SL-C Smart Lighting Control Lighting Customer Owned Facilities - 4<sup>th</sup> Revised Page No. 65**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

**Rate TLCL - Traffic Lighting Constant Load Service - 5<sup>th</sup> Revised Page No. 68**

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. P-2014-2409362.

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**NON-BYPASSABLE TRANSMISSION CHARGE (NBT)**

**Purpose:** The purpose of this surcharge is to provide for full and current cost recovery of certain transmission service related costs incurred under the PJM open access transmission tariff on behalf of the Company's distribution service load in accordance with Docket # P-2014-2409362.

**Applicability:** The surcharge shall be assessed to all distribution customers. The cost shall be allocated to each rate class based upon the coincident peak used by PJM to establish the network service obligation.

**Billing Provisions:** The NBT shall be included in distribution rates charged to customers taking service under the Residential, Small C&I and Street Lighting class rate schedules as described below.

For Rates PD, HT, and EP (Large C&I class), a PJM Peak Load Contribution (PLC) shall be determined in accordance with PJM rules and used to calculate the NBT. Customer's PLC will be computed to the nearest kilowatt. The NBT shall be recovered through a separate charge listed on customers' bills.

The surcharge shall be calculated on a semi-annual basis using the formula below:

**NBT(n) = (C+E+I)/S(n) \* 1/(1-T)** where;

**NBT(n)** = transmission service cost for customer class n including over or under recovery and associated interest.

**C** – the transmission service charges incurred by PECO under the PJM open access transmission tariff. These costs shall include the following:

Regional Transmission Expansion Plan charges, Expansion Cost Recovery charges, Generation Deactivation/Reliability Must Run charges and any costs to implement the Non-Bypassable Transmission charge in accordance with Docket # P-2014-2409362.

**E** – The estimated over or under recovery from the applicable reconciliation period.

**I** – Interest on any over or under recovery balance. Interest shall be computed monthly at a 6% annual simple interest rate from the month that the overcollection or undercollection occurs to the mid-point of the recovery period.

**n** – rate class where: 1 = residential, 1a = RH, 2 = small C&I, 3 = large C&I, 4 = street lighting

Residential – Rates R, RH (reconciled as a group)

Small C&I – Rate GS

Large C&I – Rates HT, PD, EP (reconciled as a group)

Street Lighting – SLE, SLC, SLS, POL, AL, TLCL (reconciled as a group)

**S** – Estimated distribution service sales for residential class and the street lighting class in the applicable application period. For the Small C&I class (Rate GS) it shall be the estimated billed demand for the applicable application period. For the Large C&I class (Rates PD, HT, and EP), the PJM PLC shall be used to calculate the NBT. The application period will be the period when rates will be in effect.

**T** – The currently effective gross receipts tax rate.

**Filings and Reconciliations:** The Company shall submit filings 15 days prior to the start of the application period beginning June 1, 2015. Thereafter, the Company will file a surcharge adjustment 15 days prior to June 1 and December 1 of each year. If it is apparent that such methodology would result in a significant over or under recovery before the next 6 month filing for an individual customer class, the Company may propose a rate adjustment 15 days prior to the next effective GSA rate adjustment date (Effective date of March 1, September 1). The annual reconciliation statement will be made by December 31 each year.

Current Non-Bypassable Transmission Rate:

R= \$.00265 per kilowatthour	(I)
RH= \$.00265 per kilowatthour	(I)
Small C&I = \$0.77 per billed kW	(I)
Large C&I = \$0.84 per kW based on the PJM PLC	(I)
Street Lighting = \$.00026 per kilowatt hour	(I)

(I) Denotes Increase

**RATE R RESIDENCE SERVICE**

**AVAILABILITY.**

Single phase service in the entire territory of the Company to the dwelling and appurtenances of a single private family (or to a multiple dwelling unit building consisting of two to five dwelling units, whether occupied or not), for the domestic requirements of its members when such service is supplied through one meter. Service is also available for related farm purposes when such service is supplied through one meter in conjunction with the farmhouse domestic requirements.

Each dwelling unit connected after May 10, 1980 except those dwelling units under construction or under written contract for construction as of that date must be individually metered for their basic service supply. Centrally supplied master metered heating, cooling or water heating service may be provided if such supply will result in energy conservation.

The term "residence service" includes service to: (a) the separate dwelling unit in an apartment house or condominium, but not the halls, basement, or other portions of such building common to more than one such unit; (b) the premises occupied as the living quarters of five persons or less who unite to establish a common dwelling place for their own personal comfort and convenience on a cost sharing basis; (c) the premises owned by a church, and primarily designated or set aside for, and actually occupied and used as, the dwelling place of a priest, rabbi, pastor, rector, nun or other functioning Church Divine, and the resident associates; (d) private dwellings in which a portion of the space is used for the conduct of business by a person residing therein; (e) A detached garage, located on the same premises as the customer's dwelling unit, that is utilized solely for the domestic requirements of the dwelling unit's members and is served through the same meter as the dwelling unit; (g) A detached garage, located on the same premises as the customer's dwelling unit, that is utilized solely for the domestic requirements of the dwelling unit's members and requires separate metering service as a result of wiring restrictions or legal requirements.

The term does NOT include service to: (a) Premises institutional in character including Clubs, Fraternities, Orphanages or Homes; (b) premises defined as a rooming house or boarding house in the Municipal Code for Cities of the First Class enacted by Act of General Assembly; (c) a premises containing a residence unit but primarily devoted to a professional or other office, studio, or other gainful pursuit; (d) electric furnaces or welding apparatus other than a transformer type "limited input" arc welder with an input not to exceed 37 1/2 amperes at 240 volts.

**CURRENT CHARACTERISTICS.** Standard single phase secondary service.

**MONTHLY RATE TABLE.**

FIXED DISTRIBUTION SERVICE CHARGE: \$9.97

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.94

VARIABLE DISTRIBUTION SERVICE CHARGE:

All kWhs \$0.06524 per kWh

(I)

**ENERGY SUPPLY CHARGE:**

Refer to the Generation Supply Adjustment Procurement Class 1.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service Charge shall apply.

**MINIMUM CHARGE:** The minimum charge per month will be the Fixed Distribution Service Charge.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

**PAYMENT TERMS.** Standard.

(I) Denotes Increase

**RATE R H RESIDENTIAL HEATING SERVICE**

**AVAILABILITY.**

Single phase service to the dwelling and appurtenances of a single private family (or to a multiple dwelling unit building consisting of two to five dwelling units, whether occupied or not), for domestic requirements when such service is provided through one meter and where the dwelling is heated by specified types of electric space heating systems. The systems eligible for this rate are (a) permanently connected electric resistance heaters where such heaters supply all of the heating requirements of the dwelling, (b) heat pump installations where the heat pump serves as the heating system for the dwelling and all of the supplementary heating required is supplied by electric resistance heaters, and (c) heat pump installations where the heat pump serves as the heating system for the dwelling and all of the supplementary heating required is supplied by non electric energy sources. All space heating installations must meet Company requirements. This rate schedule is not available for commercial, institutional or industrial establishments.

Each dwelling unit connected after May 10, 1980 except those dwelling units under construction or under written contract for construction as of that date, must be individually metered.

**CURRENT CHARACTERISTICS.** Standard single phase secondary service.

**MONTHLY RATE TABLE.**

FIXED DISTRIBUTION SERVICE CHARGE: \$9.97

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.94

**VARIABLE DISTRIBUTION SERVICE CHARGE:**

SUMMER MONTHS. (June through September)

\$0.06524 per kWh for all kWh.

(I)

WINTER MONTHS. (October through May)

\$0.04847 per kWh for all kWh

(I)

**ENERGY SUPPLY CHARGE:**

Refer to the Generation Supply Adjustment Procurement Class 1.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service Charge shall apply.

**MINIMUM CHARGE.** The minimum charge per month will be the Fixed Distribution Service Charge.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

**COMBINED RESIDENTIAL AND COMMERCIAL SERVICE.** Where a portion of the service provided is used for commercial purposes, the appropriate general service rate is applicable to all service; or, at the option of the customer, the wiring may be so arranged that the residential service may be separately metered and this rate is then applicable to the residential service only.

**PAYMENT TERMS.** Standard.

(I) Denotes Increase

**RATE-GS GENERAL SERVICE**

**AVAILABILITY.**

Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, farms and other applications outside the scope of the Residence Service rate schedules.

For service configurations that are nominally 120/208 volts, 3 phase, 4 wires - If either the service capacity or the parallel-generating capacity exceeds 750 kVA for transformers located inside the building, the only rate option available to the customer will be Rate HT. If either the service capacity or the parallel-generating capacity exceeds 750 kVA but remains at or below 1,500 kVA for transformers outside the building, the customer may request service at 277/480 volts, 3-phase 4-wires from transformers located outside the building. Otherwise the only rate option available to the customer will be Rate HT.

For service configurations that are nominally 277/480 volts, 3 phase, 4 wires - If either the service capacity or the parallel-generating capacity exceeds either 750 kVA for transformers located inside the building or 1,500 kVA for transformers located outside the building, the only rate option available to the customer will be Rate HT.

**CURRENT CHARACTERISTICS.**

Standard single-phase or polyphase secondary service.

**MONTHLY RATE TABLE.**

**FIXED DISTRIBUTION SERVICE CHARGE:**

- \$ 14.49 for single-phase service without demand measurement, or
- \$ 18.47 for single-phase service with demand measurement, or
- \$ 44.21 for polyphase service.

**VARIABLE DISTRIBUTION SERVICE CHARGE:**

- \$8.40 per kW of billed demand
- (\$0.00107) per kWh for all kWh

(I)

**ENERGY EFFICIENCY CHARGE:** \$0.00223 per kWh

**ENERGY SUPPLY CHARGE:** Refer to the Generation Supply Adjustment Procurement Classes 2 and 3/4.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service Charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

**DETERMINATION OF DEMAND.**

The billing demand may be measured where consumption exceeds 1,100 kilowatt-hours per month for three consecutive months; or where load tests indicate a demand of five or more kilowatts; or where the customer requests demand measurement. Measured demands will be determined to the nearest 0.1 of a kilowatt but will not be less than 1.2 kilowatts, and will be adjusted for power factor in accordance with the Rules and Regulations.

For those customers with demand measurement the billing demand will be determined as follows:

- (a) For customers with demand up to 500 kW, the billing demand shall be the measured demand, with a minimum billing demand of 1.2 kW.

For customers with demand greater than 500 kW, the billing demand shall be the greater of (i) the measured demand, (ii) 40% of the maximum contract demand; or (iii) the maximum measured demand from the prior year.

If a measured demand customer has less than 1,100 monthly kilowatt-hours of use, the monthly billing demand will be the measured demand or the metered monthly kilowatt-hours divided by 175 hours, whichever is less, but not less than 1.2 kilowatts.

For those customers without demand measurement, the monthly billing demand will be computed by dividing the metered monthly kilowatt-hours by 175 hours. The computed demand will be determined to the nearest 0.1 of a kilowatt, but will not be less than 1.2 kilowatts.

**MINIMUM CHARGE.**

The monthly minimum charge for customers without demand measurement will be the Fixed Distribution Service Charge. The monthly minimum charge for customers with demand measurement will be the Fixed Distribution Service Charge, plus a charge of \$7.10 per KW of billing demand. In addition to the above, for customers in Procurement Class 3/4 charges will be assessed on PJM's reliability pricing model.

(I) Denotes Increase

**RATE SL-E STREET LIGHTING CUSTOMER OWNED FACILITIES**

**AVAILABILITY.**

To any governmental agency for outdoor lighting provided for the safety and convenience of the public of streets, highways, bridges, parks or similar places, including directional highway signs at locations where other outdoor lighting service is established hereunder only if all of the Utilization Facilities, as defined in Terms and Conditions in this Base Rate, are installed, owned and maintained by a governmental agency.

This rate is also available to community associations of residential property owners both inside and outside the City of Philadelphia for the lighting of streets that are not dedicated. This rate is not available to commercial or industrial customers. All facilities and their installation shall be approved by the Company.

**MONTHLY RATE TABLE.**

SERVICE LOCATION DISTRIBUTION CHARGE: \$6.44 per Service Location (as defined below) \*  
VARIABLE DISTRIBUTION CHARGE: \$0.01720 per kWh (I)

**ENERGY SUPPLY CHARGE:** Refer to the Generation Supply Adjustment Procurement Class 2.

\* The service location charge includes an Energy Efficiency Program Surcharge of \$0.03 per location

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SERVICE LOCATION.**

A Service Location is the Point of Delivery on the Company's secondary circuit, that connects to one or more Utilization Facilities. A customer may connect multiple Utilization Facilities to a single Service Location in accordance with Paragraph 2c and approval by the Company.

**DETERMINATION OF ENERGY BILLED.**

The energy use for a month of a Service Location shall be computed to the nearest kilowatt hour as the product of one thousandth of its wattage and the effective hours of use of such wattage during the calendar month under the established operation schedules as set forth under Terms and Conditions, Paragraph 1 Service. The wattage, expressed to the nearest tenth of a watt, of a Service Location shall be composed of manufacturer's rating of its lamps, ballasts, transformers, individual controls and other load components required for its operation. The aggregate of the kilowatt hours thus computed for all Active Service Locations shall constitute the energy billed for the month.

**TERMS AND CONDITIONS.**

1. Service. Lighting service will be operated on all-night, every-night lighting schedules, under which lights normally are turned on after sunset and off before sunrise with approximately 4,100 annual operating hours (average monthly burning hours = 341.11 hours). Extended lighting service during all daylight hours will be supplied for lamps specified by the customer

2. Ownership of Utilization Facilities.

a. Service Locations Supplied from Aerial Circuits: customer shall provide, own and maintain the Utilization Facilities defined as the brackets, hangers, luminaires, lamps/LED array(s), ballasts/drivers, transformers, individual controls, conductors, molding and supporting insulators between the lamp receptacles and line wires of the Company's distribution facilities and any other components as required for the operation of each Service Location.

The Company shall provide the supporting pole or post for such aerially supplied Service Location and will issue authorization to permit the customer to install thereon the said Utilization Facilities.

b. Service Locations Supplied from Underground Circuits: customer shall provide, own and maintain the Utilization Facilities defined as brackets or hangers, luminaires, lamps/LED array(s), ballasts/drivers, transformers, individual controls, and conductors and shall assume all costs of installing such Utilization Facilities. Customer shall also provide, own, and maintain the supporting pole or post foundation with 90 degree pipe bend, and conduits from the luminaires to sidewalk level, or in special cases, such as Federally and State financed limited access highways, to a Service Location designated by the Company on its secondary voltage circuit.

Except as provided in Paragraph 5 Supply Facilities, the Company shall own conduit from the distribution circuit to the 90 degree pipe bend, shall own conductors from its distribution system to the designated Service Location and shall provide sufficient length of conductors for splicing at the designated Service Location or in the post base where sidewalk level access is provided.

c. Service to Group of Utilization Facilities:

**AERIAL SUPPLY**

When the customer requests service to a group of Utilization Facilities supplied from aerial distribution facilities, the customer is responsible for providing the support poles or posts for the Utilization Facilities. The Company will provide a service, nominally 100 feet, to the customer's first supporting structure. The customer is responsible for installing supply conductors from the first supporting structure to all Utilization Facilities.

**UNDERGROUND SUPPLY**

When groups of Utilization Facilities are supplied from underground distribution facilities, the customer is responsible for the supporting poles or posts and the supply conductors to each Utilization Facility from the designated Service Location. If the customer requests an underground supply to a group of Utilization Facilities and the designated Service Location is a secondary terminal pole, the customer will install, own, maintain all cable, including the cable on the pole.

3. Standards of Construction for Utilization Facilities. Customer construction shall meet the Company's standards which are based upon the National Electrical Safety Code. Designs of proposed construction deviating from such standards shall be submitted to the Company for approval before proceeding with any work.

(I) Denotes Increase

**PECO Energy Company**

**RATE SL-C SMART LIGHTING CONTROL LIGHTING CUSTOMER OWNED FACILITIES**

**AVAILABILITY.**

Any governmental agency for outdoor lighting, provided for the safety and convenience of the public of streets, highways, bridges, parks or similar places, that complies with each of the following conditions:

- (A) Installs a Smart Lighting Control Module approved by the Company that has capabilities including but not necessarily limited to:
  - a. Measurement of energy usage at the individual Utilization Facility level.
  - b. Customer control of the lamp's burning hours.
  - c. Data showing failure of the lamp to burn, such as customer notification, that customer can provide to Company upon request.
  - d. Ability of customer to dim the lights (LED only).
- (B) Provides energy usage to the Company as described below under Data Requirements.
- (C) Installs, owns, and maintains all Utilization Facilities, as defined in the Terms and Conditions of this Base Rate. (All facilities and their installation shall be approved by the Company.)

This rate is also available to community associations of residential property owners both inside and outside the City of Philadelphia for the lighting of streets that are not dedicated. This rate is not available to commercial or industrial customers.

Customers may take service under the rate beginning on July 1, 2019. The below listed pricing will be revised, as needed, based on applicable surcharge adjustments prior to the SL-C effective service date of July 1, 2019.

**MONTHLY RATE TABLE.**

SERVICE LOCATION DISTRIBUTION CHARGE: \$5.42 per Service Location (as defined below)

VARIABLE DISTRIBUTION CHARGE: \$0.03237 per kWh (I)

**ENERGY SUPPLY CHARGE:** Refer to the Generation Supply Adjustment Procurement Class 2.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, NON-BYPASSABLE TRANSMISSION CHARGE, AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SERVICE LOCATION.**

A Service Location is the Point of Delivery on the Company's secondary circuit that connects to one or more Utilization Facilities. A customer may connect multiple Utilization Facilities to a single Service Location in accordance with Paragraph 2c and approval by the Company

**DATA REQUIREMENTS.**

The customer must notify the Company of its intent to enroll or modify lights under this rate at least 30 days prior to the start of the regularly scheduled billing cycle during which the enrollment or modification will become effective.

The customer must provide the following data to the Company from its Company-approved Smart Lighting Control Module for each light added or modified:

- (A) Manufacturer-rated wattage
- (B) Annual burning hours, if different than the standard 4,100 burning hours as defined below under paragraph 1 Service of Terms and Conditions
- (C) Dimming percentage/factor

The Company also requires the customer to provide the Global Positioning System (GPS) coordinates for each light.

**DETERMINATION OF ENERGY BILLED.**

Upon acceptance of the required data, the Company shall modify the energy billed going forward for a period of up to twelve months or at another frequency as required by the Company. The energy use for a month of a Service Location shall be computed to the nearest kilowatt hour as the product of one thousandth of its wattage, adjusted based on the provided dimming percentage/factor, and the provided burning hours during the calendar month.

The Company may, at any time and without prior notice, request that the customer provide updates to the above data or provide actual energy consumption data and burning hours for each light, by calendar month, for up to the past 12 months to verify the continued accuracy of Company billing.

For any regularly scheduled billing cycle in which the customer has not provided acceptable information from its Company-approved Smart Lighting Control Module, the Company shall modify the energy billed going forward by changing the burning hours used to the standard 4,100 burning hours as defined below under Paragraph 1 Service of Terms and Conditions.

The Company reserves the right to modify the customer's rate to SL-E in the continued absence of required data from the customer.

**TERMS AND CONDITIONS.**

1. Service. For any regularly scheduled billing cycle in which the customer has not provided acceptable information from its Company-approved Smart Lighting Control Module, lighting service will be operated on all-night, every-night lighting schedules, under which lights normally are turned on after sunset and off before sunrise with approximately 4,100 annual operating hours (average monthly burning hours = 341.11 hours). Extended lighting service during all daylight hours will be supplied for lamps specified by the customer.  
If the customer provides information from the Smart Lighting Control Module as described above to justify a different billing usage, the burning hours provided by the customer will be used instead of the standard 4,100 annual operating hours.

(I) Denotes Increase

**RATE TLCL TRAFFIC LIGHTING CONSTANT LOAD SERVICE**

**AVAILABILITY.**

To any municipality using the Company's standard service for (a) electric traffic signal lights installed, owned and maintained by the municipality, and/or (b) unmetered traffic control cameras or other small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the municipality.

To any non-municipal non-residential customer using the Company's standard service for unmetered small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the non-municipal customer, which are electrically separate from any other facilities, whether municipally-owned or non-municipally-owned, that are receiving service from PECO as a separate account.

To any non-municipal non-residential customer using the Company's standard service for unmetered small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the non-municipal customer, which are electrically integrated with any other facilities, whether municipally-owned or non-municipally-owned, that are receiving service from PECO as a separate account, but only if the non-municipal customer meets the conditions of the Special Termination Rights provision of this Rate.

**CURRENT CHARACTERISTICS.**

Standard single phase secondary service.

**RATE TABLE.**

SERVICE LOCATION CHARGE: \$3.43 PER LOCATION

VARIABLE DISTRIBUTION SERVICE CHARGE: \$0.01633 per kWh (as defined below)\*

\*The Variable Distribution charge includes an Energy Efficiency Program Surcharge of \$0.00047 per kWh

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ENERGY SUPPLY CHARGE: Refer to the Generation Supply Adjustment Procurement Class 2.

TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE: Transmission Service Charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY, NON-BYPASSABLE TRANSMISSION CHARGE, CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SPECIAL RULES AND REGULATIONS.**

The use of energy will be estimated by the Company on the basis of the size of lamps and controlling apparatus and the burning hours. The customer shall immediately notify the Company whenever any change is made in the equipment or the burning hours or constant load devices, so that the Company may forthwith revise its estimate of the energy used.

The Company shall not be liable for damage to person or property arising, accruing or resulting from the attachment of the signal equipment to its poles, wires, or fixtures. The customer shall be responsible to determine the amount, location and sufficiency of illumination, including conducting all studies of luminosity, lighting location, and traffic.

**SPECIAL TERMINATION RIGHTS**

Some facilities that receive service under Rate TLCL may be electrically configured such that it is not possible to terminate service to the Rate TLCL facility without also terminating service to a facility that is receiving service under a separate account, Rate or Rider. In the event of non-payment of bills for service to such a Rate TLCL facility, PECO will provide a termination notice to the customer. The customer may then, at its discretion, notify PECO that it intends to engage in self-termination by removing its facilities from the PECO system within 30 days. If the customer has not removed its facilities within 30 days, then PECO may, at its sole discretion and upon 72-hour notice, physically remove the customer facility as a means of terminating service to that facility. Taking service under Rate TLCL constitutes full customer permission for PECO to engage in such removals. Notwithstanding any removal of such facilities by either the customer or PECO, the customer shall remain fully obligated to PECO for payment of all charges incurred under Rate TLCL. In addition, the customer shall pay to PECO its full cost of removing the facilities, including direct and indirect labor costs, use of truck or other equipment, fuel costs, and costs of storing the customer equipment, all at PECO's normal rates for such work at such time as it may perform such removals. PECO shall not be liable for damage, if any, to the customer equipment that occurs during removal or storage.

**TERM OF CONTRACT.**

The initial contract term for each signal light installation and constant load device shall be for at least one year.

**PAYMENT TERMS.**

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**PECO Energy Company**

**Electric Service Tariff**

**COMPANY OFFICE LOCATION**

**2301 Market Street  
Philadelphia, Pennsylvania 19101**

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**For List of Communities Served, See Page 4.**

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**Issued November 13, 2019**

**Effective December 1, 2019**

**ISSUED BY: M. A. Innocenzo – President & CEO  
PECO Energy Distribution Company  
2301 MARKET STREET  
PHILADELPHIA, PA. 19101**

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**NOTICE**

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PECO Energy Company

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PECO Energy Company

**NON-BYPASSABLE TRANSMISSION CHARGE (NBT)**

**Purpose:** The purpose of this surcharge is to provide for full and current cost recovery of certain transmission service related costs incurred under the PJM open access transmission tariff on behalf of the Company's distribution service load in accordance with Docket # P-2014-2409362

**Applicability:** The surcharge shall be assessed to all distribution customers. The cost shall be allocated to each rate class based upon the coincident peak used by PJM to establish the network service obligation.

**Billing Provisions:** The NBT shall be included in distribution rates charged to customers taking service under the Residential, Small C&I and Street Lighting class rate schedules as described below.

For Rates PD, HT, and EP (Large C&I class), a PJM Peak Load Contribution (PLC) shall be determined in accordance with PJM rules and used to calculate the NBT. Customer's PLC will be computed to the nearest kilowatt. The NBT shall be recovered through a separate charge listed on customers' bills.

The surcharge shall be calculated on a semi-annual basis using the formula below:

$NBT(n) = (C+E+I)/S(n) * 1/(1-T)$  where:

**NBT(n)** = transmission service cost for customer class n including over or under recovery and associated interest

**C** – the transmission service charges incurred by PECO under the PJM open access transmission tariff. These costs shall include the following:

Regional Transmission Expansion Plan charges, Expansion Cost Recovery charges, Generation Deactivation/Reliability Must Run charges and any costs to implement the Non-Bypassable Transmission charge in accordance with Docket # P-2014-2409362.

**E** – The estimated over or under recovery from the applicable reconciliation period.

**I** – Interest on any over or under recovery balance. Interest shall be computed monthly at a 6% annual simple interest rate from the month that the overcollection or undercollection occurs to the mid-point of the recovery period.

**n** – rate class where: 1 = residential, 1a = RH, 2 = small C&I, 3 = large C&I, 4 = street lighting

Residential – Rates R, RH (reconciled as a group)

Small C&I – Rate GS

Large C&I – Rates HT, PD, EP (reconciled as a group)

Street Lighting – SLE, SLC, SLS, POL, AL, TLCL (reconciled as a group)

**S** – Estimated distribution service sales for residential class and the street lighting class in the applicable application period. For the Small C&I class (Rate GS) it shall be the estimated billed demand for the applicable application period. For the Large C&I class (Rates PD, HT, and EP), the PJM PLC shall be used to calculate the NBT. The application period will be the period when rates will be in effect.

**T** – The currently effective gross receipts tax rate.

**Filings and Reconciliations:** The Company shall submit filings 15 days prior to the start of the application period beginning June 1, 2015. Thereafter, the Company will file a surcharge adjustment 15 days prior to June 1 and December 1 of each year. If it is apparent that such methodology would result in a significant over or under recovery before the next 6 month filing for an individual customer class, the Company may propose a rate adjustment 15 days prior to the next effective GSA rate adjustment date (Effective date of March 1, September 1). The annual reconciliation statement will be made by December 31 each year.

**Current Non-Bypassable Transmission Rate:**

R = \$0.0265 per kilowatthour

RH = \$0.0265 per kilowatthour

Small C&I = \$0.77 per billed kW

Large C&I = \$0.84 per kW based on the PJM PLC

Street Lighting = \$0.0026 per kilowatt hour

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**RATE R RESIDENCE SERVICE**

**AVAILABILITY.**

Single phase service in the entire territory of the Company to the dwelling and appurtenances of a single private family (or to a multiple dwelling unit building consisting of two to five dwelling units, whether occupied or not), for the domestic requirements of its members when such service is supplied through one meter. Service is also available for related farm purposes when such service is supplied through one meter in conjunction with the farmhouse domestic requirements.

Each dwelling unit connected after May 10, 1980 except those dwelling units under construction or under written contract for construction as of that date must be individually metered for their basic service supply. Centrally supplied master metered heating, cooling or water heating service may be provided if such supply will result in energy conservation.

The term "residence service" includes service to: (a) the separate dwelling unit in an apartment house or condominium, but not the halls, basement, or other portions of such building common to more than one such unit; (b) the premises occupied as the living quarters of five persons or less who unite to establish a common dwelling place for their own personal comfort and convenience on a cost sharing basis; (c) the premises owned by a church, and primarily designated or set aside for, and actually occupied and used as, the dwelling place of a priest, rabbi, pastor, rector, nun or other functioning Church Divine, and the resident associates; (d) private dwellings in which a portion of the space is used for the conduct of business by a person residing therein; (e) A detached garage, located on the same premises as the customer's dwelling unit, that is utilized solely for the domestic requirements of the dwelling unit's members and is served through the same meter as the dwelling unit; (g) A detached garage, located on the same premises as the customer's dwelling unit, that is utilized solely for the domestic requirements of the dwelling unit's members and requires separate metering service as a result of wiring restrictions or legal requirements

The term does NOT include service to: (a) Premises institutional in character including Clubs, Fraternities, Orphanages or Homes; (b) premises defined as a rooming house or boarding house in the Municipal Code for Cities of the First Class enacted by Act of General Assembly; (c) a premises containing a residence unit but primarily devoted to a professional or other office, studio, or other gainful pursuit; (d) electric furnaces or welding apparatus other than a transformer type "limited input" arc welder with an input not to exceed 37 1/2 amperes at 240 volts

**CURRENT CHARACTERISTICS** Standard single phase secondary service.

**MONTHLY RATE TABLE**

FIXED DISTRIBUTION SERVICE CHARGE: \$9.97

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.94

VARIABLE DISTRIBUTION SERVICE CHARGE:

All kWhs \$0.06524 per kWh

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**ENERGY SUPPLY CHARGE**

Refer to the Generation Supply Adjustment Procurement Class 1.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE** The Transmission Service Charge shall apply.

**MINIMUM CHARGE** The minimum charge per month will be the Fixed Distribution Service Charge.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

**PAYMENT TERMS** Standard.

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**RATE R H RESIDENTIAL HEATING SERVICE**

**AVAILABILITY.**

Single phase service to the dwelling and appurtenances of a single private family (or to a multiple dwelling unit building consisting of two to five dwelling units, whether occupied or not), for domestic requirements when such service is provided through one meter and where the dwelling is heated by specified types of electric space heating systems. The systems eligible for this rate are (a) permanently connected electric resistance heaters where such heaters supply all of the heating requirements of the dwelling, (b) heat pump installations where the heat pump serves as the heating system for the dwelling and all of the supplementary heating required is supplied by electric resistance heaters, and (c) heat pump installations where the heat pump serves as the heating system for the dwelling and all of the supplementary heating required is supplied by non electric energy sources. All space heating installations must meet Company requirements. This rate schedule is not available for commercial, institutional or industrial establishments.

Each dwelling unit connected after May 10, 1980 except those dwelling units under construction or under written contract for construction as of that date, must be individually metered.

**CURRENT CHARACTERISTICS.** Standard single phase secondary service.

**MONTHLY RATE TABLE.**

FIXED DISTRIBUTION SERVICE CHARGE: \$9.97  
FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.94

**VARIABLE DISTRIBUTION SERVICE CHARGE:**

SUMMER MONTHS (June through September)

\$0.0524 per kWh for all kWh

WINTER MONTHS (October through May)

\$0.0487 per kWh for all kWh

**ENERGY SUPPLY CHARGE:**

Refer to the Generation Supply Adjustment Procurement Class 1.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service Charge shall apply.

**MINIMUM CHARGE:** The minimum charge per month will be the Fixed Distribution Service Charge.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

**COMBINED RESIDENTIAL AND COMMERCIAL SERVICE:** Where a portion of the service provided is used for commercial purposes, the appropriate general service rate is applicable to all service; or, at the option of the customer, the wiring may be so arranged that the residential service may be separately metered and this rate is then applicable to the residential service only.

**PAYMENT TERMS.** Standard

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PECO Energy Company

**RATE-GS GENERAL SERVICE**

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**AVAILABILITY.**

Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, farms and other applications outside the scope of the Residence Service rate schedules.

For service configurations that are nominally 120/208 volts, 3 phase, 4 wires - If either the service capacity or the parallel-generating capacity exceeds 750 kVA for transformers located inside the building, the only rate option available to the customer will be Rate HT. If either the service capacity or the parallel-generating capacity exceeds 750 kVA but remains at or below 1,500 kVA for transformers outside the building, the customer may request service at 277/480 volts, 3-phase 4-wires from transformers located outside the building. Otherwise the only rate option available to the customer will be Rate HT.

For service configurations that are nominally 277/480 volts, 3 phase, 4 wires - If either the service capacity or the parallel-generating capacity exceeds either 750 kVA for transformers located inside the building or 1,500 kVA for transformers located outside the building, the only rate option available to the customer will be Rate HT.

**CURRENT CHARACTERISTICS.**

Standard single-phase or polyphase secondary service

**MONTHLY RATE TABLE.**

**FIXED DISTRIBUTION SERVICE CHARGE:**

- \$ 14.49 for single-phase service without demand measurement, or
- \$ 18.47 for single-phase service with demand measurement, or
- \$ 44.21 for polyphase service.

**VARIABLE DISTRIBUTION SERVICE CHARGE:**

- ~~\$ 4.0~~ per kW of billed demand
- (\$0.00107) per kWh for all kWh

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**ENERGY EFFICIENCY CHARGE** \$0.00223 per kWh

**ENERGY SUPPLY CHARGE** Refer to the Generation Supply Adjustment Procurement Classes 2 and 3/4.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service Charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE

**DETERMINATION OF DEMAND.**

The billing demand may be measured where consumption exceeds 1,100 kilowatt-hours per month for three consecutive months, or where load tests indicate a demand of five or more kilowatts, or where the customer requests demand measurement. Measured demands will be determined to the nearest 0.1 of a kilowatt but will not be less than 1.2 kilowatts, and will be adjusted for power factor in accordance with the Rules and Regulations.

For those customers with demand measurement the billing demand will be determined as follows:

- (a) For customers with demand up to 500 kW, the billing demand shall be the measured demand, with a minimum billing demand of 1.2 kW.

For customers with demand greater than 500 kW, the billing demand shall be the greater of (i) the measured demand, (ii) 40% of the maximum contract demand, or (iii) the maximum measured demand from the prior year.

If a measured demand customer has less than 1,100 monthly kilowatt-hours of use, the monthly billing demand will be the measured demand or the metered monthly kilowatt-hours divided by 175 hours, whichever is less, but not less than 1.2 kilowatts.

For those customers without demand measurement, the monthly billing demand will be computed by dividing the metered monthly kilowatt-hours by 175 hours. The computed demand will be determined to the nearest 0.1 of a kilowatt, but will not be less than 1.2 kilowatts.

**MINIMUM CHARGE.**

The monthly minimum charge for customers without demand measurement will be the Fixed Distribution Service Charge. The monthly minimum charge for customers with demand measurement will be the Fixed Distribution Service Charge, plus a charge of \$7.10 per kW of billing demand. In addition to the above, for customers in Procurement Class 3/4 charges will be assessed on PJM's reliability pricing model.

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Effective December 1, 2019

PECO Energy Company

**RATE SL-E STREET LIGHTING CUSTOMER OWNED FACILITIES**

**AVAILABILITY.**

To any governmental agency for outdoor lighting provided for the safety and convenience of the public of streets, highways, bridges, parks or similar places, including directional highway signs at locations where other outdoor lighting service is established hereunder only if all of the Utilization Facilities, as defined in Terms and Conditions in this Base Rate, are installed, owned and maintained by a governmental agency.

This rate is also available to community associations of residential property owners both inside and outside the City of Philadelphia for the lighting of streets that are not dedicated. This rate is not available to commercial or industrial customers. All facilities and their installation shall be approved by the Company.

**MONTHLY RATE TABLE.**

SERVICE LOCATION DISTRIBUTION CHARGE: \$6.44 per Service Location (as defined below) \*  
VARIABLE DISTRIBUTION CHARGE: \$0.01720 per kWh

**ENERGY SUPPLY CHARGE:** Refer to the Generation Supply Adjustment Procurement Class 2.

\* The service location charge includes an Energy Efficiency Program Surcharge of \$0.03 per location.  
**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SERVICE LOCATION.**

A Service Location is the Point of Delivery on the Company's secondary circuit that connects to one or more Utilization Facilities. A customer may connect multiple Utilization Facilities to a single Service Location in accordance with Paragraph 2c and approval by the Company.

**DETERMINATION OF ENERGY BILLED.**

The energy use for a month of a Service Location shall be computed to the nearest kilowatt hour as the product of one thousandth of its wattage and the effective hours of use of such wattage during the calendar month under the established operation schedules as set forth under Terms and Conditions, Paragraph 1 Service. The wattage, expressed to the nearest tenth of a watt, of a Service Location shall be composed of manufacturer's rating of its lamps, ballasts, transformers, individual controls and other load components required for its operation. The aggregate of the kilowatt hours thus computed for all Active Service Locations shall constitute the energy billed for the month.

**TERMS AND CONDITIONS**

1. **Service.** Lighting service will be operated on all-night, every-night lighting schedules, under which lights normally are turned on after sunset and off before sunrise with approximately 4,100 annual operating hours (average monthly burning hours = 341.11 hours). Extended lighting service during all daylight hours will be supplied for lamps specified by the customer.

2. **Ownership of Utilization Facilities.**

a. **Service Locations Supplied from Aerial Circuits:** customer shall provide, own and maintain the Utilization Facilities defined as the brackets, hangers, luminaires, lamps/LED array(s), ballasts/drivers, transformers, individual controls, conductors, molding and supporting insulators between the lamp receptacles and line wires of the Company's distribution facilities and any other components as required for the operation of each Service Location.

The Company shall provide the supporting pole or post for such aerially supplied Service Location and will issue authorization to permit the customer to install thereon the said Utilization Facilities.

b. **Service Locations Supplied from Underground Circuits:** customer shall provide, own and maintain the Utilization Facilities defined as brackets or hangers, luminaires, lamps/LED array(s), ballasts/drivers, transformers, individual controls, and conductors and shall assume all costs of installing such Utilization Facilities. Customer shall also provide, own, and maintain the supporting pole or post foundation with 90 degree pipe bend, and conduits from the luminaires to sidewalk level, or in special cases, such as Federally and State financed limited access highways, to a Service Location designated by the Company on its secondary voltage circuit.

Except as provided in Paragraph 5 Supply Facilities, the Company shall own conduit from the distribution circuit to the 90 degree pipe bend, shall own conductors from its distribution system to the designated Service Location and shall provide sufficient length of conductors for splicing at the designated Service Location or in the post base where sidewalk level access is provided.

c. **Service to Group of Utilization Facilities:**

**AERIAL SUPPLY**

When the customer requests service to a group of Utilization Facilities supplied from aerial distribution facilities, the customer is responsible for providing the support poles or posts for the Utilization Facilities. The Company will provide a service, nominally 100 feet, to the customer's first supporting structure. The customer is responsible for installing supply conductors from the first supporting structure to all Utilization Facilities.

**UNDERGROUND SUPPLY**

When groups of Utilization Facilities are supplied from underground distribution facilities, the customer is responsible for the supporting poles or posts and the supply conductors to each Utilization Facility from the designated Service Location. If the customer requests an underground supply to a group of Utilization Facilities and the designated Service Location is a secondary terminal pole, the customer will install, own, maintain all cable, including the cable on the pole.

3. **Standards of Construction for Utilization Facilities.** Customer construction shall meet the Company's standards which are based upon the National Electrical Safety Code. Designs of proposed construction deviating from such standards shall be submitted to the Company for approval before proceeding with any work.

**(U)** Denotes increase

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PECO Energy Company

**RATE SL-C SMART LIGHTING CONTROL LIGHTING CUSTOMER OWNED FACILITIES**

**AVAILABILITY.**

Any governmental agency for outdoor lighting, provided for the safety and convenience of the public of streets, highways, bridges, parks or similar places, that complies with each of the following conditions:

- (A) Installs a Smart Lighting Control Module approved by the Company that has capabilities including but not necessarily limited to:
  - a Measurement of energy usage at the individual Utilization Facility level.
  - b Customer control of the lamp's burning hours
  - c Data showing failure of the lamp to burn, such as customer notification, that customer can provide to Company upon request.
  - d Ability of customer to dim the lights (LED only)
- (B) Provides energy usage to the Company as described below under Data Requirements.
- (C) Installs, owns, and maintains all Utilization Facilities, as defined in the Terms and Conditions of this Base Rate. (All facilities and their installation shall be approved by the Company)

This rate is also available to community associations of residential property owners both inside and outside the City of Philadelphia for the lighting of streets that are not dedicated. This rate is not available to commercial or industrial customers.

Customers may take service under the rate beginning on July 1, 2019. The below listed pricing will be revised, as needed, based on applicable surcharge adjustments prior to the SL-C effective service date of July 1, 2019.

**MONTHLY RATE TABLE.**

SERVICE LOCATION DISTRIBUTION CHARGE: \$5.42 per Service Location (as defined below)  
VARIABLE DISTRIBUTION CHARGE: \$0.03237 per kWh

**ENERGY SUPPLY CHARGE:** Refer to the Generation Supply Adjustment Procurement Class 2.

**TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE:** The Transmission Service charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, NON-BYPASSABLE TRANSMISSION CHARGE, AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SERVICE LOCATION.**

A Service Location is the Point of Delivery on the Company's secondary circuit that connects to one or more Utilization Facilities. A customer may connect multiple Utilization Facilities to a single Service Location in accordance with Paragraph 2c and approval by the Company.

**DATA REQUIREMENTS.**

The customer must notify the Company of its intent to enroll or modify lights under this rate at least 30 days prior to the start of the regularly scheduled billing cycle during which the enrollment or modification will become effective.

The customer must provide the following data to the Company from its Company-approved Smart Lighting Control Module for each light added or modified:

- (A) Manufacturer-rated wattage
- (B) Annual burning hours, if different than the standard 4,100 burning hours as defined below under paragraph 1 Service of Terms and Conditions
- (C) Dimming percentage/factor

The Company also requires the customer to provide the Global Positioning System (GPS) coordinates for each light.

**DETERMINATION OF ENERGY BILLED.**

Upon acceptance of the required data, the Company shall modify the energy billed going forward for a period of up to twelve months or at another frequency as required by the Company. The energy use for a month of a Service Location shall be computed to the nearest kilowatt hour as the product of one thousandth of its wattage, adjusted based on the provided dimming percentage/factor, and the provided burning hours during the calendar month.

The Company may, at any time and without prior notice, request that the customer provide updates to the above data or provide actual energy consumption data and burning hours for each light, by calendar month, for up to the past 12 months to verify the continued accuracy of Company billing.

For any regularly scheduled billing cycle in which the customer has not provided acceptable information from its Company-approved Smart Lighting Control Module, the Company shall modify the energy billed going forward by changing the burning hours used to the standard 4,100 burning hours as defined below under Paragraph 1 Service of Terms and Conditions.

The Company reserves the right to modify the customer's rate to SL-E in the continued absence of required data from the customer.

**TERMS AND CONDITIONS**

1. **Service.** For any regularly scheduled billing cycle in which the customer has not provided acceptable information from its Company-approved Smart Lighting Control Module, lighting service will be operated on all-night, every-night lighting schedules under which lights normally are turned on after sunset and off before sunrise with approximately 4,100 annual operating hours (average monthly burning hours = 341.11 hours). Extended lighting service during all daylight hours will be supplied for lamps specified by the customer.  
If the customer provides information from the Smart Lighting Control Module as described above to justify a different billing usage, the burning hours provided by the customer will be used instead of the standard 4,100 annual operating hours.

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PECO Energy Company

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**RATE TLCL TRAFFIC LIGHTING CONSTANT LOAD SERVICE**

**AVAILABILITY.**

To any municipality using the Company's standard service for (a) electric traffic signal lights installed, owned and maintained by the municipality and/or (b) unmetered traffic control cameras or other small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the municipality.

To any non-municipal non-residential customer using the Company's standard service for unmetered small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the non-municipal customer, which are electrically separate from any other facilities, whether municipally-owned or non-municipally-owned, that are receiving service from PECO as a separate account.

To any non-municipal non-residential customer using the Company's standard service for unmetered small constant load electronic devices with a demand of less than 1.2 kW, owned and maintained by the non-municipal customer, which are electrically integrated with any other facilities, whether municipally-owned or non-municipally-owned, that are receiving service from PECO as a separate account, but only if the non-municipal customer meets the conditions of the Special Termination Rights provision of this Rate.

**CURRENT CHARACTERISTICS**

Standard single phase secondary service

**RATE TABLE.**

SERVICE LOCATION CHARGE: \$3.43 PER LOCATION

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VARIABLE DISTRIBUTION SERVICE CHARGE: \$0.01633 per kWh (as defined below)\*

\*The Variable Distribution charge includes an Energy Efficiency Program Surcharge of \$0.00047 per kWh

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ENERGY SUPPLY CHARGE: Refer to the Generation Supply Adjustment Procurement Class 2.

TRANSMISSION SERVICE FOR CUSTOMERS RECEIVING DEFAULT SERVICE: Transmission Service Charge shall apply.

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), FEDERAL TAX ADJUSTMENT CREDIT (FTAC), PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY, NON-BYPASSABLE TRANSMISSION CHARGE, CONSERVATION PROGRAM COSTS, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND NUCLEAR DECOMMISSIONING COST ADJUSTMENT APPLY TO THIS RATE.

**SPECIAL RULES AND REGULATIONS**

The use of energy will be estimated by the Company on the basis of the size of lamps and controlling apparatus and the burning hours. The customer shall immediately notify the Company whenever any change is made in the equipment or the burning hours or constant load devices, so that the Company may forthwith revise its estimate of the energy used.

The Company shall not be liable for damage to person or property arising, accruing or resulting from the attachment of the signal equipment to its poles, wires, or fixtures. The customer shall be responsible to determine the amount, location and sufficiency of illumination, including conducting all studies of luminosity, lighting location, and traffic.

**SPECIAL TERMINATION RIGHTS**

Some facilities that receive service under Rate TLCL may be electrically configured such that it is not possible to terminate service to the Rate TLCL facility without also terminating service to a facility that is receiving service under a separate account, Rate or Rider. In the event of non-payment of bills for service to such a Rate TLCL facility, PECO will provide a termination notice to the customer. The customer may then, at its discretion, notify PECO that it intends to engage in self-termination by removing its facilities from the PECO system within 30 days. If the customer has not removed its facilities within 30 days, then PECO may, at its sole discretion and upon 72-hour notice, physically remove the customer facility as a means of terminating service to that facility. Taking service under Rate TLCL constitutes full customer permission for PECO to engage in such removals. Notwithstanding any removal of such facilities by either the customer or PECO, the customer shall remain fully obligated to PECO for payment of all charges incurred under Rate TLCL. In addition, the customer shall pay to PECO its full cost of removing the facilities, including direct and indirect labor costs, use of truck or other equipment, fuel costs, and costs of storing the customer equipment, all at PECO's normal rates for such work at such time as it may perform such removals. PECO shall not be liable for damage, if any, to the customer equipment that occurs during removal or storage.

**TERM OF CONTRACT**

The initial contract term for each signal light installation and constant load device shall be for at least one year.

**PAYMENT TERMS**

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Issued November 13, 2019

Effective December 1, 2019

**PECO - Electric**  
**December 2019 Non-Bypassable Transmission Charge (NBT)**  
**Semi-Annual Rate Calculation**

**NBT 1: Rates R, RH**

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 15,287,284	\$0.00227	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ (1,533,802)	-\$0.00023	p. 3 of 4
b. Interest	\$ (26,042)	\$0.00000	p. 4 of 4
	\$ (1,559,844)	-\$0.00023	
(3) Net Recoverable (C - E)	\$ 16,847,128	\$0.00250	
(4) S = Projected Sales (kWh) for Computation Period	6,744,761,327		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) <b>NBT = [(C+E+I)/S]/(1-T)</b>	<b>\$0.00265</b>		

**PECO - December 2019**  
**NBT**  
**C-Factor Calculation**

**NBT 1: Rates R, RH**

C-Factor Month	Projected Transmission Costs <sup>(a)</sup>	Projected Sales (kWh) <sup>(2)</sup>
Dec-19 (est) \$	2,474,411	1,226,084,403
Jan-20 (est) \$	2,429,029	1,381,014,579
Feb-20 (est) \$	2,595,961	1,410,903,836
Mar-20 (est) \$	2,595,961	1,099,220,739
Apr-20 (est) \$	2,595,961	787,325,379
May-20 (est) \$	2,595,961	840,212,391
<b>Total \$</b>	<b>15,287,284</b>	<b>6,744,761,327</b>

**Estimated Recovery C-Factor** \$0.00227 per kWh

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement over the period 12/1/2019-5/31/2020: \$ (1,046,071.25)

PECO - December 2019  
NBT  
E-Factor Calculation

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs (a)	Actual Sales (kWh)	C-Factor Rate (3)	C-Factor Revenue (b) (4)	NSPL AVE MW (5)	Working Capital \$0.00 per MW/mo (6) = (5) * \$0	Adjusted C-Factor Revenue (7) = (4) - (6)	C-Factor Over/(Under) Recovery (8) = (7) - (1)	E-Factor Rate (9)	E-Factor Revenue (b) (10)	Total Collected Revenue (11) = (10) + (7)	Over/(Under) Recovery (12) = (11) - (1)	Cumulative Over/(Under) Recovery (13)
Balance													\$ 13,857,838
Dec-18	\$ 509,563	1,216,785,091	0.00061	\$ (444,104)	3,755	-	\$ (444,104)	\$ (953,667)	(0.00197)	\$ 1,444,368	\$ 1,000,265	\$ 490,701	\$ 14,348,539
Jan-19	\$ 408,585	1,351,486,380	0.00061	\$ 815,528	3,907	-	\$ 815,528	\$ 406,942	(0.00197)	\$ (2,652,359)	\$ (1,836,831)	\$ (2,245,416)	\$ 12,103,122
Feb-19	\$ 410,496	1,313,879,327	0.00061	\$ 792,177	3,912	-	\$ 792,177	\$ 381,681	(0.00197)	\$ (2,576,416)	\$ (1,784,239)	\$ (2,194,735)	\$ 9,908,387
Mar-19	\$ 421,933	1,137,162,861	0.00061	\$ 685,118	3,915	-	\$ 685,118	\$ 263,185	(0.00197)	\$ (2,228,225)	\$ (1,543,107)	\$ (1,965,040)	\$ 7,943,347
Apr-19	\$ 429,262	887,424,700	0.00061	\$ 533,900	3,919	-	\$ 533,900	\$ 104,638	(0.00197)	\$ (1,736,416)	\$ (1,202,516)	\$ (1,631,778)	\$ 6,311,570
May-19	\$ 430,124	762,320,227	0.00061	\$ 458,512	3,921	-	\$ 458,512	\$ 28,388	(0.00197)	\$ (1,491,229)	\$ (1,032,717)	\$ (1,462,840)	\$ 4,848,729
Jun-19	\$ 416,253	997,470,638	0.00152	\$ (599,601)	3,919	-	\$ (599,601)	\$ (1,015,854)	(0.00072)	\$ 283,377	\$ (316,224)	\$ (732,477)	\$ 4,116,252
Jul-19	\$ 422,696	1,429,530,609	0.00152	\$ 2,172,364	3,918	-	\$ 2,172,364	\$ 1,749,668	(0.00072)	\$ (1,026,679)	\$ 1,145,684	\$ 722,988	\$ 4,839,240
Aug-19	\$ 2,458,441	1,560,653,177	0.00152	\$ 2,361,844	3,919	-	\$ 2,361,844	\$ (96,597)	(0.00072)	\$ (1,116,230)	\$ 1,245,614	\$ (1,212,827)	\$ 3,626,414
Sep-19	\$ 2,460,252	1,257,657,713	0.00152	\$ 1,904,202	3,922	-	\$ 1,904,202	\$ (556,050)	(0.00072)	\$ (899,944)	\$ 1,004,258	\$ (1,455,994)	\$ 2,170,420
Oct-19	\$ 2,458,482	949,805,637	0.00152	\$ 1,441,482	3,926	-	\$ 1,441,482	\$ (1,017,000)	(0.00072)	\$ (681,258)	\$ 760,224	\$ (1,698,258)	\$ 472,162
Nov-19 (est)	\$ 2,461,527	1,159,573,000	0.00152	\$ 863,806	3,921	-	\$ 863,806	\$ (1,597,721)	(0.00072)	\$ (408,243)	\$ 455,563	\$ (2,005,964)	\$ (1,533,802)
													<b>Total Recovery E-Factor \$ (1,533,802)</b>

(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.

(b) C Factor and E Factor Revenues are allocated on a percentage basis.

**PECO - December 2019  
NBT  
Interest Calculation**

**NBT 1: Rates R, RH**

E-Factor Period	Actual Sales (kWh) (1)	C-Factor Over/(Under) Recovery (2)	Interest Rate (3)	Interest Time Factor (4)	Interest Owed/ (Interest Recouped) (5) = (2) * (3) * (4)	Interest Factor Rate (6)	Interest Factor Revenues <sup>(a)</sup> (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
<b>Balance</b>									\$ 420,766
Dec-18	1,216,785,091	\$ (953,667)	6%	9/12	\$ (42,915)	\$ (0.00006)	\$ 44,461	\$ 1,546	\$ 422,312
Jan-19	1,351,486,380	\$ 406,942	6%	8/12	\$ 16,278	\$ (0.00006)	\$ (81,646)	\$ (65,368)	\$ 356,944
Feb-19	1,313,879,327	\$ 381,681	6%	7/12	\$ 13,359	\$ (0.00006)	\$ (79,308)	\$ (65,949)	\$ 290,995
Mar-19	1,137,162,861	\$ 263,185	6%	6/12	\$ 7,896	\$ (0.00006)	\$ (68,590)	\$ (60,694)	\$ 230,300
Apr-19	887,424,700	\$ 104,638	6%	5/12	\$ 2,616	\$ (0.00006)	\$ (53,451)	\$ (50,835)	\$ 179,465
May-19	762,320,227	\$ 28,388	6%	4/12	\$ 568	\$ (0.00006)	\$ (45,904)	\$ (45,336)	\$ 134,129
<b>Jun-19</b>	997,470,638	\$ (1,015,854)	6%	9/12	\$ (45,713)	\$ (0.00002)	\$ 7,878	\$ (37,835)	\$ 96,294
Jul-19	1,429,530,609	\$ 1,749,668	6%	8/12	\$ 69,987	\$ (0.00002)	\$ (28,542)	\$ 41,445	\$ 137,738
Aug-19	1,560,653,177	\$ (96,597)	6%	7/12	\$ (3,381)	\$ (0.00002)	\$ (31,032)	\$ (34,413)	\$ 103,326
Sep-19	1,257,657,713	\$ (556,050)	6%	6/12	\$ (16,682)	\$ (0.00002)	\$ (25,019)	\$ (41,700)	\$ 61,626
Oct-19	949,805,637	\$ (1,017,000)	6%	5/12	\$ (25,425)	\$ (0.00002)	\$ (18,939)	\$ (44,364)	\$ 17,261
Nov-19 (est)	1,159,573,000	\$ (1,597,721)	6%	4/12	\$ (31,954)	\$ (0.00002)	\$ (11,349)	\$ (43,304)	\$ (26,042)
									<b>Net Interest \$ (26,042)</b>

(a) Interest Revenues are allocated on a percentage basis.

**December 2019 Non-Bypassable Transmission Charge (NBT)  
Semi-Annual Rate Calculation**

**NBT 2: Rate GS**

	Amount	\$/kWh
(1) C = Projected Recoverable Transmission Costs	\$ 7,658,800	\$0.64
(2) E = Experienced & Estimated Net Over/(Under)		
a. Over/(Under)	\$ (1,055,378)	-\$0.09
b. Interest	\$ (27,379)	\$0.00
	\$ (1,082,757)	-\$0.09
(3) Net Recoverable (C - E)	\$ 8,741,558	\$0.73
(4) S = Projected Sales (kW) for Computation Period	12,004,217	
(5) T = Pennsylvania gross receipts tax rate	5.90%	
(6) <b>NBT = [(C+E+I)/S]/(1-T)</b>	<b>\$0.77</b>	

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**PECO - December 2019  
NBT  
C-Factor Calculation**

**NBT 2: Rate GS**

C-Factor Month	Projected Transmission Costs <sup>(a)</sup> (1)	Projected Sales (KW) (2)
Dec-19 (est) \$	1,239,659	2,157,925
Jan-20 (est) \$	1,216,923	2,128,845
Feb-20 (est) \$	1,300,555	2,162,885
Mar-20 (est) \$	1,300,555	1,987,451
Apr-20 (est) \$	1,300,555	1,714,629
May-20 (est) \$	1,300,555	1,852,483
<b>Total \$</b>	<b>7,658,800</b>	<b>12,004,217</b>

**Estimated Recovery C-Factor** \$0.64 per kW

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement over the period 12/1/2019-5/31/2020: \$ (524,072.87)

**PECO - December 2019  
NBT  
E-Factor Calculation**

**NBT 2: Rate GS**

E-Factor Period	Actual NBT Costs (a) (1)	Actual Sales (kW) (2)	C-Factor		Working Capital \$0.00 per MW/mo (6) = (5) * \$0	Adjusted C-Factor Revenue (7) = (4) - (6)		C-Factor Over/(Under) Recovery (8) = (7) - (1)		E-Factor Rate (9)	E-Factor Revenue (b) Revenue (10)		Total Collected Revenue (11) = (10) + (7)		Over/(Under) Recovery (12) = (11) - (1)		Cumulative Over/(Under) Recovery (13)	
			Rate (3)	Revenue (b) (4)		Rate (3)	Revenue (7)	Over/(Under) Recovery (8)	Rate (9)		Revenue (b) Revenue (10)	Revenue (11)	Over/(Under) Recovery (12)	Over/(Under) Recovery (13)				
Balance																		\$ 7,634,984
Dec-18	\$ 251,761	1,803,223	\$ 0.18	\$ (177,067)	-	\$ (177,067)	\$ (428,827)	\$ (0.66)	\$ 652,311	\$ 475,244	\$ 223,484	\$ (1,304,307)	\$ 7,858,468					
Jan-19	\$ 205,567	2,107,561	\$ 0.18	\$ 409,369	-	\$ 409,369	\$ 203,802	\$ (0.66)	\$ (1,508,108)	\$ (1,098,739)	\$ (1,304,307)	\$ 6,554,161						
Feb-19	\$ 206,297	1,775,693	\$ 0.18	\$ 352,867	-	\$ 352,867	\$ 146,570	\$ (0.66)	\$ (1,299,955)	\$ (947,088)	\$ (1,153,385)	\$ 5,400,776						
Mar-19	\$ 211,808	2,206,236	\$ 0.18	\$ 387,680	-	\$ 387,680	\$ 175,872	\$ (0.66)	\$ (1,428,206)	\$ (1,040,526)	\$ (1,252,334)	\$ 4,148,442						
Apr-19	\$ 215,384	2,073,416	\$ 0.18	\$ 366,954	-	\$ 366,954	\$ 151,571	\$ (0.66)	\$ (1,351,853)	\$ (984,898)	\$ (1,200,282)	\$ 2,948,160						
May-19	\$ 215,729	2,019,083	\$ 0.18	\$ 357,286	-	\$ 357,286	\$ 141,558	\$ (0.66)	\$ (1,316,236)	\$ (958,950)	\$ (1,174,678)	\$ 1,773,481						
Jun-19	\$ 208,826	2,207,098	\$ 0.44	\$ (494,983)	-	\$ (494,983)	\$ (703,808)	\$ (0.15)	\$ 170,068	\$ (324,915)	\$ (533,741)	\$ 1,239,741						
Jul-19	\$ 211,990	2,311,800	\$ 0.44	\$ 989,284	-	\$ 989,284	\$ 777,294	\$ (0.15)	\$ (339,902)	\$ 649,383	\$ 437,393	\$ 1,677,134						
Aug-19	\$ 1,232,071	2,422,467	\$ 0.44	\$ 1,036,846	-	\$ 1,036,846	\$ (195,224)	\$ (0.15)	\$ (356,243)	\$ 680,603	\$ (551,467)	\$ 1,125,666						
Sep-19	\$ 1,231,407	2,140,489	\$ 0.44	\$ 1,014,445	-	\$ 1,014,445	\$ (216,962)	\$ (0.15)	\$ (348,546)	\$ 665,899	\$ (565,508)	\$ 560,158						
Oct-19	\$ 1,229,442	2,229,375	\$ 0.44	\$ 962,674	-	\$ 962,674	\$ (266,768)	\$ (0.15)	\$ (330,759)	\$ 631,915	\$ (597,527)	\$ (37,369)						
Nov-19 (est)	\$ 1,233,433	2,221,719	\$ 0.44	\$ 328,182	-	\$ 328,182	\$ (905,251)	\$ (0.15)	\$ (112,758)	\$ 215,424	\$ (1,018,009)	\$ (1,055,378)						
<b>Total Recovery E-Factor</b>													<b>\$ (1,055,378)</b>					

(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.

(b) C Factor and E Factor Revenues are allocated on a percentage basis.

PECO - December 2019  
NBT

Interest Calculation

NBT 2: Rate GS

E-Factor Period	Actual Sales (kW) (1)	C-Factor		Interest Rate (3)	Interest Time Factor (4)	Interest Owed/ (Interest Recouped) (5) = (2) * (3) * (4)	Interest Factor Rate (6)	Interest Factor Revenues <sup>(a)</sup> (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
		Over/(Under) Recovery (2)	Rate (3)							
Balance										\$ 219,355
Dec-18	1,803,223	\$ (428,827)	6%	9/12	\$ (19,297)	\$ (0.02)	\$ 18,843	\$ (455)	\$ 218,901	
Jan-19	2,107,561	\$ 203,802	6%	8/12	\$ 8,152	\$ (0.02)	\$ (43,563)	\$ (35,411)	\$ 183,490	
Feb-19	1,775,693	\$ 146,570	6%	7/12	\$ 5,130	\$ (0.02)	\$ (37,551)	\$ (32,421)	\$ 151,069	
Mar-19	2,206,236	\$ 175,872	6%	6/12	\$ 5,276	\$ (0.02)	\$ (41,255)	\$ (35,979)	\$ 115,090	
Apr-19	2,073,416	\$ 151,571	6%	5/12	\$ 3,789	\$ (0.02)	\$ (39,050)	\$ (35,260)	\$ 79,829	
May-19	2,019,083	\$ 141,558	6%	4/12	\$ 2,831	\$ (0.02)	\$ (38,021)	\$ (35,190)	\$ 44,640	
Jun-19	2,207,098	\$ (703,808)	6%	9/12	\$ (31,671)	\$ (0.00)	\$ 4,299	\$ (27,372)	\$ 17,268	
Jul-19	2,311,800	\$ 777,294	6%	8/12	\$ 31,092	\$ (0.00)	\$ (8,593)	\$ 22,499	\$ 39,766	
Aug-19	2,422,467	\$ (195,224)	6%	7/12	\$ (6,833)	\$ (0.00)	\$ (9,006)	\$ (15,839)	\$ 23,928	
Sep-19	2,140,489	\$ (216,962)	6%	6/12	\$ (6,509)	\$ (0.00)	\$ (8,811)	\$ (15,320)	\$ 8,607	
Oct-19	2,229,375	\$ (266,768)	6%	5/12	\$ (6,669)	\$ (0.00)	\$ (8,362)	\$ (15,031)	\$ (6,424)	
Nov-19 (est)	2,221,719	\$ (905,251)	6%	4/12	\$ (18,105)	\$ (0.00)	\$ (2,851)	\$ (20,956)	\$ (27,379)	
										<b>Net Interest \$ (27,379)</b>

(a) Interest Revenues are allocated on a percentage basis.

**PECO - Electric**  
**December 2019 Non-Bypassable Transmission Charge (NBT)**  
**Semi-Annual Rate Calculation**

**NBT 3: Rates HT, PD, EP**

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 10,656,165	\$0.68	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ (1,613,852)	-\$0.10	p. 3 of 4
b. Interest	\$ <u>(49,291)</u>	\$0.00	p. 4 of 4
	\$ (1,663,143)	-\$0.11	
(3) Net Recoverable (C - E)	\$ 12,319,308	\$0.79	
(4) S = Projected PLC Sales (kW) for Computation Period	15,563,061		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) <b>NBT = [(C+E+I)/S]/(1-T)</b>	<b>\$0.84</b>		

**PECO - December 2019  
NBT**

**C-Factor Calculation**

**NBT 3: Rates HT, PD, EP**

C-Factor Month	Projected Transmission Costs <sup>(a)</sup> (1)	Projected PLC Sales (kW) (2)
Dec-19 (est) \$	1,724,815	2,593,844
Jan-20 (est) \$	1,693,180	2,593,844
Feb-20 (est) \$	1,809,542	2,593,844
Mar-20 (est) \$	1,809,542	2,593,844
Apr-20 (est) \$	1,809,542	2,593,844
May-20 (est) \$	1,809,542	2,593,844
<b>Total \$</b>	<b>10,656,165</b>	<b>15,563,061</b>

**Estimated Recovery C-Factor** \$0.68 per kW

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement over the period 12/1/2019-5/31/2020: \$ (729,175.15)

**PECO - December 2019  
NBT  
E-Factor Calculation**

**NBT 3: Rates PD, HT, EP**

E-Factor Period	Actual NBT Costs (1)	Actual Sales (KW) (2)	C-Factor Rate (3)	C-Factor Revenue (b) (4)	NSPL AVE MW (5)	Working Capital \$0.00 per MW/mo (6) = (5) * \$0	Adjusted C-Factor Revenue (7) = (4) - (6)	C-Factor Over/(Under) Recovery (8) = (7) - (1)	E-Factor Rate (9)	E-Factor Revenue (b) (10)	Total Collected Revenue (11) = (10) + (7)	Over/(Under) Recovery (12) = (11) - (1)	Cumulative Over/(Under) Recovery (13)
Balance													\$ 8,124,928
Dec-18	\$ 348,195	2,716,889	\$ 0.19	\$ (650,390)	2,566	-	\$ (650,390)	\$ (998,585)	\$ (0.53)	\$ 1,827,044	\$ 1,176,654	\$ 828,459	\$ 8,953,386
Jan-19	\$ 286,111	2,455,299	\$ 0.19	\$ 414,282	2,736	-	\$ 414,282	\$ 128,171	\$ (0.53)	\$ (1,163,780)	\$ (749,498)	\$ (1,035,609)	\$ 7,917,778
Feb-19	\$ 287,081	2,302,036	\$ 0.19	\$ 416,077	2,736	-	\$ 416,077	\$ 128,996	\$ (0.53)	\$ (1,168,824)	\$ (752,746)	\$ (1,039,828)	\$ 6,877,950
Mar-19	\$ 294,615	2,252,714	\$ 0.19	\$ 491,568	2,734	-	\$ 491,568	\$ 196,952	\$ (0.53)	\$ (1,380,888)	\$ (889,321)	\$ (1,183,936)	\$ 5,694,014
Apr-19	\$ 299,421	2,738,028	\$ 0.19	\$ 518,025	2,734	-	\$ 518,025	\$ 218,605	\$ (0.53)	\$ (1,455,212)	\$ (937,186)	\$ (1,236,607)	\$ 4,457,407
May-19	\$ 299,975	2,475,736	\$ 0.19	\$ 465,812	2,734	-	\$ 465,812	\$ 165,837	\$ (0.53)	\$ (1,308,535)	\$ (842,724)	\$ (1,142,699)	\$ 3,314,708
Jun-19	\$ 290,571	2,292,151	\$ 0.46	\$ (474,830)	2,736	-	\$ (474,830)	\$ (765,401)	\$ (0.20)	\$ 208,195	\$ (266,635)	\$ (557,206)	\$ 2,757,502
Jul-19	\$ 294,915	2,452,559	\$ 0.46	\$ 1,005,098	2,734	-	\$ 1,005,098	\$ 710,183	\$ (0.20)	\$ (440,698)	\$ 564,400	\$ 269,485	\$ 3,026,987
Aug-19	\$ 1,712,294	2,488,318	\$ 0.46	\$ 1,109,436	2,730	-	\$ 1,109,436	\$ (602,857)	\$ (0.20)	\$ (486,447)	\$ 622,990	\$ (1,089,304)	\$ 1,937,683
Sep-19	\$ 1,711,141	2,653,852	\$ 0.46	\$ 1,214,117	2,728	-	\$ 1,214,117	\$ (497,024)	\$ (0.20)	\$ (532,345)	\$ 681,772	\$ (1,029,369)	\$ 908,314
Oct-19	\$ 1,714,863	2,657,047	\$ 0.46	\$ 1,206,984	2,739	-	\$ 1,206,984	\$ (507,879)	\$ (0.20)	\$ (529,218)	\$ 677,766	\$ (1,037,097)	\$ (128,782)
Nov-19 (est)	\$ 1,715,979	2,503,277	\$ 0.46	\$ 411,209	2,733	-	\$ 411,209	\$ (1,304,770)	\$ (0.20)	\$ (180,300)	\$ 230,909	\$ (1,485,070)	\$ (1,613,852)
													<b>Total Recovery E-Factor \$ (1,613,852)</b>

(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.

(b) C Factor and E Factor Revenues are allocated on a percentage basis.

**PECO - December 2019**  
**NBT**  
**Interest Calculation**

**NBT 3: Rates HT, PD, EP**

E-Factor Period	Actual Sales (KW) (1)	C-Factor Over/(Under) Recovery (2)	Interest Rate (3)	Interest Time Factor (4)	Interest Owed/ (Interest Recouped) (5) = (2) * (3) * (4)	Interest Factor Rate (6)	Interest Factor Revenues (a) (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
<b>Balance</b>									<b>225,779</b>
Dec-18	2,716,889	\$ (998,585)	6%	9/12	\$ (44,936)	\$ (0.01)	\$ 51,147	\$ 6,210	\$ 231,990
Jan-19	2,455,299	\$ 128,171	6%	8/12	\$ 5,127	\$ (0.01)	\$ (32,579)	\$ (27,452)	\$ 204,538
Feb-19	2,302,036	\$ 128,996	6%	7/12	\$ 4,515	\$ (0.01)	\$ (32,720)	\$ (28,206)	\$ 176,332
Mar-19	2,252,714	\$ 196,952	6%	6/12	\$ 5,909	\$ (0.01)	\$ (38,657)	\$ (32,748)	\$ 143,584
Apr-19	2,738,028	\$ 218,605	6%	5/12	\$ 5,465	\$ (0.01)	\$ (40,738)	\$ (35,273)	\$ 108,311
May-19	2,475,736	\$ 165,837	6%	4/12	\$ 3,317	\$ (0.01)	\$ (36,632)	\$ (33,315)	\$ 74,996
<b>Jun-19</b>	2,292,151	\$ (765,401)	6%	9/12	\$ (34,443)	\$ (0.00)	\$ 4,613	\$ (29,830)	\$ 45,167
Jul-19	2,452,559	\$ 710,183	6%	8/12	\$ 28,407	\$ (0.00)	\$ (9,765)	\$ 18,642	\$ 63,809
Aug-19	2,488,318	\$ (602,857)	6%	7/12	\$ (21,100)	\$ (0.00)	\$ (10,779)	\$ (31,879)	\$ 31,930
Sep-19	2,653,852	\$ (497,024)	6%	6/12	\$ (14,911)	\$ (0.00)	\$ (11,796)	\$ (26,707)	\$ 5,223
Oct-19	2,657,047	\$ (507,879)	6%	5/12	\$ (12,697)	\$ (0.00)	\$ (11,727)	\$ (24,424)	\$ (19,201)
Nov-19 (est)	2,503,277	\$ (1,304,770)	6%	4/12	\$ (26,095)	\$ (0.00)	\$ (3,995)	\$ (30,091)	\$ (49,291)
									<b>Net Interest \$ (49,291)</b>

(a) Interest Revenues are allocated on a percentage basis.

**PECO - Electric**  
**December 2019 Non-Bypassable Transmission Charge (NBT)**  
**Semi-Annual Rate Calculation**

**NBT 4: Rates SLE, SLS, SLC\*, POL, AL, TLCL**

*\*Rate SLC will be effective July 1, 2019 pursuant to the Order at Docket No. R-2018-3000164.*

	<b>Amount</b>	<b>\$/kWh</b>	
(1) C = Projected Recoverable Transmission Costs	\$ 22,404	\$0.00023	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ (1,166)	-\$0.00001	p. 3 of 4
b. Interest	\$ 84	\$0.00000	p. 4 of 4
	<u>\$ (1,082)</u>	-\$0.00001	
(3) Net Recoverable (C - E)	\$ 23,486	\$0.00024	
(4) S = Projected Sales (kWh) for Computation Period	96,350,536		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) <b>TSC = [(C+E+I)/S]/(1-T)</b>	<b>\$0.00026</b>		

**PECO - December 2019  
NBT**

**C-Factor Calculation**

**NBT 4: Rates SLE, SLS, SLC\*, POL, AL, TLCL**

\*Rate SLC will be effective July 1, 2019 pursuant to the Order at Docket No. R-2018-3000164.

C-Factor Month	Projected Transmission Costs <sup>(a)</sup> (1)	Projected Sales (kWh) (2)
Dec-19 (est)	\$ 3,626	16,376,405
Jan-20 (est)	\$ 3,560	16,100,026
Feb-20 (est)	\$ 3,804	16,309,755
Mar-20 (est)	\$ 3,804	15,941,950
Apr-20 (est)	\$ 3,804	15,829,607
May-20 (est)	\$ 3,804	15,792,793
<b>Total</b>	<b>\$ 22,404</b>	<b>96,350,536</b>

**Estimated Recovery C-Factor** \$0.00023 per kWh

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement over the period 12/1/2019-5/31/2020: \$ (1,533.03)

**PECO - December 2019**  
**NBT**  
**E-Factor Calculation**

**NBT 4: Rates SLE, SLS, SLC\*, POL, AL, TLCL**

\*Rate SLC will be effective July 1, 2019 pursuant to the Order at Docket No. R-2018-3000164.

E-Factor Period	Actual NBT Costs <sup>(a)</sup> (1)	Actual Sales (kWh) (2)	C-Factor Rate (3)	C-Factor Revenue <sup>(b)</sup> (4)	NSPL AVE MW (5)	Working Capital \$0.00 per MW/mo (6) = (5) * \$0	Adjusted C-Factor Revenue (7) = (4) - (6)	C-Factor Over/(Under) Recovery (8) = (7) - (1)	E-Factor Rate (9)	E-Factor Revenue <sup>(b)</sup> (10)	Total Collected Revenue (11) = (10) + (7)	Over/(Under) Recovery (12) = (11) - (1)	Cumulative Over/(Under) Recovery (13)
Dec-18	\$ 784	14,483,787	\$ 0.00007	\$ 5,727	6	\$ -	\$ 5,727	\$ 4,944	\$ 0.00002	\$ 1,646	\$ 7,373	\$ 6,590	\$ 8,815
Jan-19	\$ 592	14,935,391	\$ 0.00007	\$ 974	6	\$ -	\$ 974	\$ 382	\$ 0.00002	\$ 280	\$ 1,254	\$ 662	\$ 9,477
Feb-19	\$ 595	14,893,317	\$ 0.00007	\$ 1,119	6	\$ -	\$ 1,119	\$ 524	\$ 0.00002	\$ 322	\$ 1,441	\$ 846	\$ 10,323
Mar-19	\$ 613	14,904,323	\$ 0.00007	\$ 1,134	6	\$ -	\$ 1,134	\$ 520	\$ 0.00002	\$ 326	\$ 1,460	\$ 846	\$ 11,169
Apr-19	\$ 624	15,067,267	\$ 0.00007	\$ 1,183	6	\$ -	\$ 1,183	\$ 559	\$ 0.00002	\$ 340	\$ 1,523	\$ 899	\$ 12,068
May-19	\$ 626	14,990,519	\$ 0.00007	\$ 1,140	6	\$ -	\$ 1,140	\$ 515	\$ 0.00002	\$ 328	\$ 1,468	\$ 842	\$ 12,910
Jun-19	\$ 608	14,755,120	\$ 0.00016	\$ 9,015	6	\$ -	\$ 9,015	\$ 8,407	\$ (0.00014)	\$ (7,771)	\$ 1,244	\$ 636	\$ 13,546
Jul-19	\$ 619	14,733,650	\$ 0.00016	\$ 1,290	6	\$ -	\$ 1,290	\$ 671	\$ (0.00014)	\$ (1,112)	\$ 178	\$ (441)	\$ 13,105
Aug-19	\$ 3,602	14,945,719	\$ 0.00016	\$ (4,808)	6	\$ -	\$ (4,808)	\$ (8,410)	\$ (0.00014)	\$ 4,145	\$ (663)	\$ (4,265)	\$ 8,840
Sep-19	\$ 3,607	13,045,725	\$ 0.00016	\$ 389	6	\$ -	\$ 389	\$ (3,218)	\$ (0.00014)	\$ (335)	\$ 54	\$ (3,553)	\$ 5,287
Oct-19	\$ 3,619	14,509,208	\$ 0.00016	\$ 1,944	6	\$ -	\$ 1,944	\$ (1,675)	\$ (0.00014)	\$ (1,676)	\$ 268	\$ (3,351)	\$ 1,936
Nov-19 (est)	\$ 3,603	14,496,657	\$ 0.00016	\$ 3,632	6	\$ -	\$ 3,632	\$ 30	\$ (0.00014)	\$ (3,131)	\$ 501	\$ (3,102)	\$ (1,166)
<b>Total Recovery E-Factor</b>											<b>\$ (1,166)</b>		

(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.

(b) C Factor and E Factor Revenues are allocated on a percentage basis.

PECO - December 2019  
NBT  
Interest Calculation

**NBT 4: Rates SLE, SLS, SLC\*, POL, AL, TLCL**

\*Rate SLC will be effective July 1, 2019 pursuant to the Order at Docket No. R-2018-3000164.

E-Factor Period	Actual Sales (kWh) (1)	C-Factor Over/(Under) Recovery (2)	Interest Rate (3)	Interest Time Factor (4)	Interest Owed/ (Interest Recouped) (5) = (2) * (3) * (4)	Interest Factor Rate (6)	Interest Factor Revenues <sup>(a)</sup> (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
Balance									
Dec-18	14,483,787	\$ 4,944	6%	9/12	\$ 222	\$ 0.00000	\$ 95	\$ 317	\$ (11)
Jan-19	14,935,391	\$ 382	6%	8/12	\$ 15	\$ 0.00000	\$ 16	\$ 31	\$ 306
Feb-19	14,693,317	\$ 524	6%	7/12	\$ 18	\$ 0.00000	\$ 19	\$ 37	\$ 337
Mar-19	14,904,323	\$ 520	6%	6/12	\$ 16	\$ 0.00000	\$ 19	\$ 34	\$ 374
Apr-19	15,067,267	\$ 559	6%	5/12	\$ 14	\$ 0.00000	\$ 20	\$ 34	\$ 409
May-19	14,990,519	\$ 515	6%	4/12	\$ 10	\$ 0.00000	\$ 19	\$ 29	\$ 442
Jun-19	14,755,120	\$ 8,407	6%	9/12	\$ 378	\$ (0.00000)	\$ (284)	\$ 95	\$ 566
Jul-19	14,733,650	\$ 671	6%	8/12	\$ 27	\$ (0.00000)	\$ (41)	\$ (14)	\$ 552
Aug-19	14,945,719	\$ (8,410)	6%	7/12	\$ (294)	\$ (0.00000)	\$ 151	\$ (143)	\$ 409
Sep-19	13,045,725	\$ (3,218)	6%	6/12	\$ (97)	\$ (0.00000)	\$ (12)	\$ (109)	\$ 300
Oct-19	14,509,208	\$ (1,675)	6%	5/12	\$ (42)	\$ (0.00000)	\$ (61)	\$ (103)	\$ 197
Nov-19 (est)	14,496,657	\$ 30	6%	4/12	\$ 1	\$ (0.00000)	\$ (114)	\$ (114)	\$ 84
								<b>Net Interest \$</b>	<b>84</b>

(a) Interest Revenues are allocated on a percentage basis.