

Richard G. Webster, Jr.
Vice President
Regulatory Policy & Strategy
PECO
2301 Market Street
S15
Philadelphia, PA 19103

Telephone 215.841.5777
Fax 215.841.6208
www.peco.com
dick.webster@peco-energy.com

November 7, 2018

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. 5, Supplement No. 76, Effective December 1, 2018, 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, 2018. 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, POL, AL, TLCL.

This adjustment to the NBT is the first 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 No. EL05-121-009. Credits received by PECO since July of this year, as well as over 90% of projected refunds expected over the upcoming six-month period, will be returned to customers via this adjustment. The NBT will continue to reflect RTEP credits that PJM will refund through 2025 as specified in the Settlement.

Per the Settlement, the PECO Zone will receive \$79.5M of total credits, including receipt of approximately \$56M of this amount by the end of June 2019. As discussed with the Commission this past October, PECO will retain \$5.5 million of the total credits over the NBT filing periods from December 1, 2018 through November 30, 2019. Retaining this credit permits recovery of overpaid RTEP costs previously absorbed by PECO from 2007 through 2010. As a result, PECO will refund approximately \$74M to customers through 2025.

Should the Commission need to initiate any related proceeding, 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.

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.

Rosemary Chiavetta, Secretary
November 7, 2018
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "RW" followed by a long horizontal flourish.

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

Attachment 1

PECO Energy Company

Electric Service Tariff

COMPANY OFFICE LOCATION

2301 Market Street

Philadelphia, Pennsylvania 19101

For List of Communities Served, See Page 4.

Issued November 7, 2018

Effective December 1, 2018

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

NOTICE

LIST OF CHANGES MADE BY THIS SUPPLEMENT

Non-Bypassable Transmission Charge (NBT) – 6th Revised Page No. 41

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. R-2010-2161575.

Rate R - Residence Service - 29th Revised Page No. 48

The Variable Distribution Service Charge is decreased to a change in the Non-Bypassable Transmission Charge (NBT).

Rate RH - Residential Heating Service – 29th Revised Page No. 49

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Rate GS - General Service – 30th Revised Page No. 53

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Rate SL-E Street Lighting Customer Owned Facilities – 14th Revised Page No. 62

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Rate TLCL - Traffic Lighting Constant Load Service – 16th Revised Page No. 64

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

TABLE OF CONTENTS

List of Communities Served.....	4
How to Use Loose-Leaf Tariff.....	5
Definition of Terms and Explanation of Abbreviations.....	6,7,8,9
RULES AND REGULATIONS:	
1. The Tariff.....	10
2. Service Limitations.....	10
3. Customer's Installation.....	11
4. Application for Service.....	12
5. Credit.....	13
6. Private-Property Construction.....	14 ¹ , 15
7. Extensions.....	16,17
8. Rights-of-Way.....	18
9. Introduction of Service.....	19
10. Company Equipment.....	19
11. Tariff and Contract Options.....	20
12. Service Continuity.....	21
13. Customer's Use of Service.....	22
14. Metering.....	22
15. Demand Determination.....	23 ¹
16. Meter Tests.....	24
17. Billing and Standard Payment Options.....	25
18. Payment Terms & Termination of Service.....	26 ¹ , 27
19. Unfulfilled Contracts.....	28
20. Cancellation by Customer.....	28
21. General.....	29 ²
22. Rules For Designation of Procurement Class.....	29 ²
23. EGS Switching.....	30 ¹
24. Load Data Exchange.....	30 ¹
STATE TAX ADJUSTMENT CLAUSE.....	31 ²
GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 1 AND 2.....	32 ^{1,2} , 33 ^{1,2}
GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 3.....	33A ^{1,2}
GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 3/4.....	34 ^{2,3}
RECONCILIATION.....	35 ² , 36 ³
NUCLEAR DECOMMISSIONING COST ADJUSTMENT CLAUSE (NDCA).....	37 ¹
PROVISIONS FOR RECOVERY OF UNIVERSAL SERVICE FUND CHARGE (USFC).....	38 ³
PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS.....	39 ³
TRANSMISSION SERVICE CHARGE.....	40 ⁶
NON-BYPASSABLE TRANSMISSION CHARGE (NBT).....	41 ⁶
SMART METER COST RECOVERY SURCHARGE.....	42 ⁸
PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT (TARC).....	43 ²
PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS PHASE III.....	44 ⁴
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC).....	45 ⁴ , 46 ¹ , 47 ¹
RATES:	
Rate R Residence Service.....	48 ^{2,9}
Rate R-H Residential Heating Service.....	49 ^{2,9}
Rate RS-2 Net Metering.....	50, 51 ² , 52 ¹
Rate GS General Service.....	53 ^{3,0} , 54
Rate PD Primary-Distribution Power.....	55 ^{2,0}
Rate HT High-Tension Power.....	56 ^{2,0}
Rate EP Electric Propulsion.....	57 ^{1,7}
Rate POL Private Outdoor Lighting.....	58 ⁴ , 59
Rate SL-S Street Lighting-Suburban Counties.....	60 ⁴ , 61
Rate SL-E Street Lighting Customer-Owned Facilities.....	62 ^{1,4} , 63
Rate TLCL Traffic Lighting Constant Load Service.....	64 ^{1,6}
Rate BLI Borderline Interchange Service.....	65 ¹
Rate AL Alley Lighting in City of Philadelphia.....	66 ³
RIDERS:	
Applicability Index of Riders.....	67
Capacity Reservation Rider.....	68, 69, 70
CAP Rider - Customer Assistance Program.....	71 ⁵ , 72 ⁵
Casualty Rider.....	73
Commercial/Industrial Direct Load Control Program Rider.....	74, 75 ¹
Construction Rider.....	76

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, 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= (\$0.00151) per kilowatthour
RH= (\$0.00151) per kilowatthour
Small C&I = (\$0.53) per billed kW
Large C&I = (\$0.38) per kW based on the PJM PLC
Street Lighting = \$.00009 per kilowatt hour

(D)
(D)
(D)
(D)
(D)

(D) Denotes Decrease

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) farm purpose uses by an individual employing the natural processes of growth for the production of grain, stock, dairy, poultry, garden truck, or other agricultural products.

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) farms operated principally to sell, prepare, or process products produced by others, or farms using air conditioning for climatic control in conjunction with growth processes (except those customers receiving such service as of August 2, 1969); (e) 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: \$8.45

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.92

VARIABLE DISTRIBUTION SERVICE CHARGE:

All kWhs \$0.06243 per kWh

(D)

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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

PAYMENT TERMS. Standard.

(D) Denotes Decrease

PECO Energy Company

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.

Wood, solar, wind, water, and biomass systems may be used to supply a portion of the heating requirements in conjunction with service provided hereunder. Any customer system of this type that produces electric energy may not be operated concurrently with service provided by the Company except under written agreement setting forth the conditions of such operation as provided by and in accordance with the provisions of the Auxiliary Service Rider.

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: \$8.45

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS: \$1.92

VARIABLE DISTRIBUTION SERVICE CHARGE:

SUMMER MONTHS. (June through September)

\$0.06243 per kWh for all kWh.

(D)

WINTER MONTHS. (October through May)

\$0.04431 per kWh for all kWh

(D)

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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, 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.

(D) Denotes Decrease

RATE-GS GENERAL SERVICE

AVAILABILITY.

Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, 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 and the service capacity exceeds 750 kVa for transformers located either inside or outside the building, 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 and 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:

- \$ 14.28 for single-phase service without demand measurement, or
- \$ 18.19 for single-phase service with demand measurement, or
- \$ 43.53 for polyphase service.

VARIABLE DISTRIBUTION SERVICE CHARGE:

- \$6.93 per kW of billed demand
- (\$0.0006) per kWh for all kWh

(D)

ENERGY EFFICIENCY CHARGE: \$0.00167 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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, 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.
- (b) 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. These customers will be identified according to the process listed in Tariff Rule 22.

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 \$8.31 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.

(D) Denotes Decrease

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: \$7.16 per Service Location (as defined below) *
VARIABLE DISTRIBUTION CHARGE: \$0.00862 per kWh
ENERGY SUPPLY CHARGE: Refer to the Generation Supply Adjustment Procurement Class 2.

(D)

* The service location charge includes an Energy Efficiency Program Surcharge of \$0.05 per location

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

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), 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 shall comprise each lighting installation and must be separately connected to a delivery point on the Company's secondary circuit.

DETERMINATION OF BILLING DEMAND.

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 wattages of all Service Locations in service shall constitute the billing demand for the month.

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 6 Service. 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. Ownership of Utilization Facilities.

a. Service Locations Supplied from Aerial Circuits: customer shall provide, own and maintain the Utilization Facilities comprising the brackets, hangers, luminaries, lamps, ballasts, 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 comprising the supporting pole or post, foundation with 90 degree pipe bend, brackets or hangers, luminaries, lamps, ballasts, transformers, individual controls, conductors and conduits from the lamp receptacles to sidewalk level, or in special cases, such as Federally and State financed limited access highways, to a delivery point designated by the Company on its secondary voltage circuit, and shall assume all costs of installing such utilization facilities.

Except as provided in Paragraph 4 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 delivery point and shall provide sufficient length of conductors for splicing at the designated delivery point or in the post base where sidewalk level access is provided.

c. Service to Group of Streetlights:

AERIAL SUPPLY

When the customer requests service to a group of streetlights supplied from aerial distribution facilities, the customer is responsible for providing the support poles or posts for the streetlights. 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 streetlight locations.

UNDERGROUND SUPPLY

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

2. 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.

(D) Denotes Decrease

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: \$3.62 PER LOCATION

VARIABLE DISTRIBUTION SERVICE CHARGE: \$0.01549 per kWh (as defined below)*

*The Variable Distribution charge includes an Energy Efficiency Program Surcharge of \$.00063 per kWh

(D)

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), 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.

Standard.

(D) Denotes Decrease

PECO Energy Company

Electric Service Tariff

COMPANY OFFICE LOCATION

**2301 Market Street
Philadelphia, Pennsylvania 19101**

For List of Communities Served, See Page 4.

Issued November 7, 2018

Effective December 1, 2018

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

NOTICE

Deleted: 5
Deleted: Fifth
Deleted: _
Deleted: Fourth

LIST OF CHANGES MADE BY THIS SUPPLEMENT

Non-Bypassable Transmission Charge (NBT) – 6th Revised Page No. 41

Reflects semiannual adjustment for Non-Bypassable Transmission Charge pursuant to Order at Docket No. R-2010-2161575

Deleted: 5

Rate R - Residence Service - 29th Revised Page No. 48

The Variable Distribution Service Charge is decreased to a change in the Non-Bypassable Transmission Charge (NBT).

Deleted: 4
Deleted: in

Rate RH - Residential Heating Service – 29th Revised Page No. 49

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Deleted: 4
Deleted: in

Rate GS - General Service – 30th Revised Page No. 53

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Deleted: 26
Deleted: in

Rate SL-E Street Lighting Customer Owned Facilities – 14th Revised Page No. 62

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Deleted: 1
Deleted: in

Rate TLCL - Traffic Lighting Constant Load Service – 16th Revised Page No. 64

The Variable Distribution Service Charge is decreased due to a change in the Non-Bypassable Transmission Charge (NBT).

Deleted: 2
Deleted: in

Deleted: Transmission Service Charge (TSC) – 6th Revised Page No. 40
Reflects semiannual adjustment for Transmission Service Charge pursuant to Order at Docket No. R-2010-2161575

Deleted: ¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
¶
Deleted: ¶
¶
¶

Deleted: 5
 Deleted: Fourth
 Deleted: --
 Deleted: Third

TABLE OF CONTENTS

List of Communities Served 4
 How to Use Loose-Leaf Tariff 5
 Definition of Terms and Explanation of Abbreviations 6, 7, 8, 9
RULES AND REGULATIONS
 1. The Tariff 10
 2. Service Limitations 10
 3. Customer's Installation 11
 4. Application for Service 12
 5. Credit 13
 6. Private-Property Construction 14¹, 15
 7. Extensions 16, 17
 8. Rights-of-Way 18
 9. Introduction of Service 19
 10. Company Equipment 19
 11. Tariff and Contract Options 20
 12. Service Continuity 21
 13. Customer's Use of Service 22
 14. Metering 22
 15. Demand Determination 23¹
 16. Meter Tests 24
 17. Billing and Standard Payment Options 25
 18. Payment Terms & Termination of Service 26¹, 27
 19. Unfulfilled Contracts 28
 20. Cancellation by Customer 28
 21. General 29²
 22. Rules For Designation of Procurement Class 29²
 23. EGS Switching 30¹
 24. Load Data Exchange 30¹
STATE TAX ADJUSTMENT CLAUSE
 GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 1 AND 2 32¹², 33¹²
 GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 3 33A¹²
 GENERATION SUPPLY ADJUSTMENT FOR PROCUREMENT CLASS 3/4 34²³
RECONCILIATION
 NUCLEAR DECOMMISSIONING COST ADJUSTMENT CLAUSE (NDCA) 37¹
 PROVISIONS FOR RECOVERY OF UNIVERSAL SERVICE FUND CHARGE (USFC) 38³
 PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS 39³
 TRANSMISSION SERVICE CHARGE 40⁶
 NON-BYPASSABLE TRANSMISSION CHARGE (NBT) 41⁷
 SMART METER COST RECOVERY SURCHARGE 42⁸
 PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT (TARC) 43²
 PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS PHASE III 44⁴
 DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC) 45⁴, 46¹, 47¹
RATES
 Rate R Residence Service 48⁹
 Rate R-H Residential Heating Service 49⁹
 Rate RS-2 Net Metering 50, 51², 52¹
 Rate GS General Service 53²⁰, 54
 Rate PD Primary-Distribution Power 55²⁰
 Rate HT High-Tension Power 56²⁰
 Rate EP Electric Propulsion 57¹⁷
 Rate POL Private Outdoor Lighting 58⁴, 59
 Rate SL-S Street Lighting-Suburban Counties 60⁴, 61
 Rate SL-E Street Lighting Customer-Owned Facilities 62⁴, 63
 Rate TLCL Traffic Lighting Constant Load Service 64⁴
 Rate BLI Borderline Interchange Service 65¹
 Rate AL Alley Lighting in City of Philadelphia 66⁹
RIDERS
 Applicability Index of Riders 67
 Capacity Reservation Rider 68, 69, 70
 CAP Rider - Customer Assistance Program 71⁵, 72⁵
 Casualty Rider 73
 Commercial/Industrial Direct Load Control Program Rider 74, 75¹
 Construction Rider 76

Deleted: 5
 Deleted: 8
 Deleted: 8
 Deleted: 29
 Deleted: 3
 Deleted: 5

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, 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 = (\$0.00151) per kilowatthour

RH = (\$0.00151) per kilowatthour

Small C&I = (\$0.53) per billed kW

Large C&I = (\$0.38) per kW based on the PJM PLC

Street Lighting = \$ 0.0009 per kilowatt hour

(D) Denotes Decrease

Issued November 7, 2018

Effective December 1, 2018

Deleted: 65
Deleted: Fifth
Deleted: .
Deleted: Fourth

Deleted: 316
Deleted: I
Deleted:
Deleted: 00
Deleted: 316
Deleted: I
Deleted: 85
Deleted: I
Deleted: 1
Deleted: 00
Deleted: I
Deleted: 65
Deleted: I
Deleted: I
Deleted: In
Deleted: May 17
Deleted:
Deleted: June

PECO Energy Company

RATE R RESIDENCE SERVICE

Deleted: 4
Deleted: Eighth
Deleted: __
Deleted: Seventh

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) farm purpose uses by an individual employing the natural processes of growth for the production of grain, stock, dairy, poultry, garden truck, or other agricultural products.

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) farms operated principally to sell, prepare, or process products produced by others, or farms using air conditioning for climatic control in conjunction with growth processes (except those customers receiving such service as of August 2, 1969); (e) 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 \$8.45

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS \$1.92

VARIABLE DISTRIBUTION SERVICE CHARGE

All kWhs \$0.06243 per kWh

(D)

Deleted: 710
Deleted: !

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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, PROVISION FOR THE TAX ACCOUNTING REPAIR CREDIT AND PROVISION FOR THE RECOVERY OF CONSUMER EDUCATION PLAN COSTS APPLY TO THIS RATE.

PAYMENT TERMS Standard

(D) Denotes Decrease

Deleted: !
Deleted: Increase
Deleted: October
Deleted: 1
Deleted:
Deleted: November

Issued November 7, 2018

Effective December 1, 2018

PECO Energy Company

RATE R H RESIDENTIAL HEATING SERVICE

Deleted: 4
Deleted: Eighth
Deleted: _
Deleted: Seventh

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.

Wood, solar, wind, water, and biomass systems may be used to supply a portion of the heating requirements in conjunction with service provided hereunder. Any customer system of this type that produces electric energy may not be operated concurrently with service provided by the Company except under written agreement setting forth the conditions of such operation as provided by and in accordance with the provisions of the Auxiliary Service Rider.

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 \$8.45

FIXED DISTRIBUTION SERVICE CHARGE FOR FORMER OFF-PEAK METERS \$1.92

VARIABLE DISTRIBUTION SERVICE CHARGE

SUMMER MONTHS (June through September)

\$0.06243 per kWh for all kWh

WINTER MONTHS (October through May)

\$0.04431 per kWh for all kWh

(D)

(D)

Deleted: 710
Deleted: I
Deleted: 898
Deleted: 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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, UNIVERSAL SERVICE FUND CHARGE, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, 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

(D) Denotes Decrease

Issued November 7, 2018

Effective December 1, 2018

Deleted: I
Deleted: In
Deleted: October
Deleted: 1
Deleted: .
Deleted: November

Deleted: 4
Deleted: Twenty-Ninth
Deleted: Eighth

PECO Energy Company

RATE-GS GENERAL SERVICE

AVAILABILITY.

Service through a single metering installation for offices, professional, commercial or industrial establishments, governmental agencies, 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 and the service capacity exceeds 750 kVa for transformers located either inside or outside the building, 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 and 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

- \$ 14.28 for single-phase service without demand measurement, or
- \$ 18.19 for single-phase service with demand measurement, or
- \$ 43.53 for polyphase service

VARIABLE DISTRIBUTION SERVICE CHARGE

~~\$6.93~~ per kW of billed demand
(\$0.0006) per kWh for all kWh

(D)

Deleted: 8
Deleted: 31
Deleted: (I)

ENERGY EFFICIENCY CHARGE \$0.00167 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), NUCLEAR DECOMMISSIONING COST ADJUSTMENT, NON-BYPASSABLE TRANSMISSION CHARGE, PROVISION FOR THE RECOVERY OF ENERGY EFFICIENCY AND CONSERVATION PROGRAM COSTS, SMART METER COST RECOVERY SURCHARGE, 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.
- (b) 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. These customers will be identified according to the process listed in Tariff Rule 22.

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 \$8.31 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.

Deleted: I
Deleted: Increase
Deleted: October
Deleted: 1
Deleted:
Deleted: November

(D) Denotes Decrease.

Issued November 7, 2018

Effective December 1, 2018

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: \$7.16 per Service Location (as defined below) *
VARIABLE DISTRIBUTION CHARGE: \$0.00862 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 \$0.05 per location

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

STATE TAX ADJUSTMENT CLAUSE, DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC), 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 shall comprise each lighting installation and must be separately connected to a delivery point on the Company's secondary circuit

DETERMINATION OF BILLING DEMAND

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 wattages of all Service Locations in service shall constitute the billing demand for the month.

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 6 Service. 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. Ownership of Utilization Facilities

a. Service Locations Supplied from Aerial Circuits customer shall provide, own and maintain the Utilization Facilities comprising the brackets, hangers, luminaires, lamps, ballasts, 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 comprising the supporting pole or post, foundation with 90 degree pipe bend, brackets or hangers, luminaires, lamps, ballasts, transformers, individual controls, conductors and conduits from the lamp receptacles to sidewalk level, or in special cases, such as Federally and State financed limited access highways, to a delivery point designated by the Company on its secondary voltage circuit, and shall assume all costs of installing such utilization facilities.

Except as provided in Paragraph 4 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 delivery point and shall provide sufficient length of conductors for splicing at the designated delivery point or in the post base where sidewalk level access is provided.

c. Service to Group of Streetlights

AERIAL SUPPLY

When the customer requests service to a group of streetlights supplied from aerial distribution facilities, the customer is responsible for providing the support poles or posts for the streetlights. 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 streetlight locations.

UNDERGROUND SUPPLY

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

2. 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.

(D) Denotes Decrease

Issued November 7, 2018

Effective December 1, 2018

Deleted: 4
Deleted: Thirt
Deleted: eenth
Deleted: ____
Deleted: Twelfth

Deleted: (I)
Deleted: 00918

Deleted: I
Deleted: Increase
Deleted: October
Deleted: 1
Deleted:
Deleted: November

PECO Energy Company

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: \$3.62 PER LOCATION

VARIABLE DISTRIBUTION SERVICE CHARGE: \$0.01549 per kWh (as defined below)*

*The Variable Distribution charge includes an Energy Efficiency Program Surcharge of \$ 0.0063 per kWh

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), 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

Standard

(D) Denotes Decrease

Issued November 7, 2018

Effective December 1, 2018

Deleted: 4
Deleted: Fifteenth
Deleted: .
Deleted: Fourteenth

Deleted: (I)
Deleted: 6
Deleted: 05

Deleted: I
Deleted: Increase
Deleted: October
Deleted: 1
Deleted:
Deleted:
Deleted: November

Attachment 2

PECO - Electric
December 2018 Non-Bypassable Transmission Charge (NBT)
Semi-Annual Rate Calculation

NBT 1: Rates R, RH

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 4,113,708	\$0.00061	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ 13,379,104	\$0.00197	p. 3 of 4
b. Interest	\$ 411,840	\$0.00006	p. 4 of 4
	<u>\$ 13,790,944</u>	\$0.00203	
(3) Net Recoverable (C - E)	\$ (9,677,236)	-\$0.00143	
(4) S = Projected Sales (kWh) for Computation Period	6,790,170,505		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) NBT = [(C+E+I)/S]/(1-T)	(\$0.00151)		

PECO - December 2018

NBT

C-Factor Calculation

NBT 1: Rates R, RH

C-Factor Month	Projected Transmission Costs ^(a)	Projected Sales (kWh)
Dec-18 (est)	665,946	1,230,111,833
Jan-19 (est)	673,710	1,437,191,726
Feb-19 (est)	669,828	1,281,040,446
Mar-19 (est)	689,238	1,106,639,516
Apr-19 (est)	697,002	910,578,727
May-19 (est)	717,985	824,608,257
Total	4,113,708	6,790,170,505

Estimated Recovery C-Factor \$0.00061 per kWh

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement of \$ (12,994,084.26) over the period 12/1/18-5/13/19

**PECO - December 2018
NBT
E-Factor Calculation**

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(b)	Actual Sales (kWh) ⁽²⁾	C-Factor Rate ⁽³⁾	C-Factor Revenue ^(b)	NSPL AVE MW ⁽⁵⁾	Working Capital \$0.00 per MWh/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)	Total Collected Revenue ^{(11) = (10) + (7)}	Over/(Under) Recovery ^{(12) = (11) - (1)}	Cumulative Over/(Under) Recovery ⁽¹³⁾
Balance													
Dec-17	\$ 3,675,182	1,133,467,227	0.00326	\$ 3,766,702	3,964	-	\$ 3,766,702	\$ 91,519	(0.00049)	\$ (562,497)	\$ 3,204,205	\$ (470,977)	\$ 2,142,010
Jan-18	\$ 3,374,819	1,573,927,973	0.00326	\$ 5,120,181	3,729	-	\$ 5,120,181	\$ 1,745,362	(0.00049)	\$ (764,617)	\$ 4,355,564	\$ 980,744	\$ 3,122,755
Feb-18	\$ 3,376,838	1,212,575,533	0.00326	\$ 3,939,413	3,733	-	\$ 3,939,413	\$ 562,575	(0.00049)	\$ (588,288)	\$ 3,351,125	\$ (25,713)	\$ 3,097,041
Mar-18	\$ 3,371,530	1,038,006,090	0.00326	\$ 3,389,169	3,737	-	\$ 3,389,169	\$ (2,361)	(0.00049)	\$ (503,132)	\$ 2,866,037	\$ (505,493)	\$ 2,591,549
Apr-18	\$ 3,377,270	991,600,624	0.00326	\$ 3,216,555	3,740	-	\$ 3,216,555	\$ (160,715)	(0.00049)	\$ (480,341)	\$ 2,736,214	\$ (641,056)	\$ 1,950,492
May-18	\$ 3,312,114	839,825,543	0.00326	\$ 2,722,237	3,741	-	\$ 2,722,237	\$ (589,877)	(0.00049)	\$ (406,523)	\$ 2,315,714	\$ (996,400)	\$ 954,092
Jun-18	\$ 3,332,286	1,014,619,014	0.00326	\$ 3,176,111	3,740	-	\$ 3,176,111	\$ (156,175)	(0.00028)	\$ (270,601)	\$ 2,905,509	\$ (426,777)	\$ 527,316
Jul-18	\$ 3,331,778	1,397,738,875	0.00326	\$ 4,551,707	3,740	-	\$ 4,551,707	\$ 1,219,929	(0.00028)	\$ (387,801)	\$ 4,163,906	\$ 832,128	\$ 1,359,444
Aug-18	\$ 1,099,517	1,450,945,593	0.00326	\$ 4,726,218	3,742	-	\$ 4,726,218	\$ 4,616,701	(0.00028)	\$ (402,669)	\$ 4,323,549	\$ 4,214,032	\$ 5,573,477
Sep-18	\$ 458,179	1,422,280,375	0.00326	\$ 4,633,816	3,744	-	\$ 4,633,816	\$ 4,175,637	(0.00028)	\$ (394,796)	\$ 4,239,020	\$ 3,780,841	\$ 9,354,318
Oct-18	\$ 678,179	991,186,851	0.00326	\$ 3,228,365	3,748	-	\$ 3,228,365	\$ 2,550,186	(0.00028)	\$ (275,053)	\$ 2,953,312	\$ 2,275,133	\$ 11,629,451
Nov-18 (est)	\$ 662,729	839,148,959	0.00326	\$ 2,637,056	3,742	-	\$ 2,637,056	\$ 1,974,327	(0.00028)	\$ (224,674)	\$ 2,412,381	\$ 1,749,653	\$ 13,379,104
													Total Recovery E-Factor \$ 13,379,104

(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.

Attachment 3

PECO - Electric
December 2018 Non-Bypassable Transmission Charge (NBT)
Semi-Annual Rate Calculation

NBT 2: Rate GS

		Amount	\$/kWh	
(1)	C = Projected Recoverable Transmission Costs	\$ 2,038,889	\$0.18	p. 2 of 4
(2)	E = Experienced & Estimated Net Over/(Under)	\$ 7,511,229	\$0.66	p. 3 of 4
	a. Over/(Under)	\$ <u>216,970</u>	\$0.02	p. 4 of 4
	b. Interest	\$ 7,728,199	\$0.68	
(3)	Net Recoverable (C - E)	\$ (5,689,310)	-\$0.50	
(4)	S = Projected Sales (kW) for Computation Period	11,448,430		
(5)	T = Pennsylvania gross receipts tax rate	5.90%		
(6)	NBT = [(C+E+I)/S]/(1-T)	(\$0.53)		

PECO - December 2018

NBT

C-Factor Calculation

NBT 2: Rate GS

C-Factor Month	Projected Transmission Costs ^(a)	Projected Sales (kW)
	(1)	(2)
Dec-18 (est)	\$ 330,065	2,127,284
Jan-19 (est)	\$ 333,913	2,139,622
Feb-19 (est)	\$ 331,989	2,010,562
Mar-19 (est)	\$ 341,609	1,878,495
Apr-19 (est)	\$ 345,457	1,696,431
May-19 (est)	\$ 355,857	1,596,036
Total	\$ 2,038,889	11,448,430

Estimated Recovery C-Factor \$0.18 per kW

(a) Projected costs account for estimated net refund
per FERC # EL05-121-009 Settlement of \$ (6,440,295.14)
over the period 12/1/18-5/13/19

PECO - December 2018
NBT

NBT 2: Rate GS

E-Factor Calculation

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kW) ^(b)	C-Factor Rate ⁽³⁾	C-Factor Revenue ^(c)	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 ^(e)	Total Collected Revenue ^{(10) = (10) + (7)}	Over/(Under) Recovery ^{(12) = (11) - (1)}	Cumulative Over/(Under) Recovery ⁽¹³⁾
Balance													
Dec-17	\$ 1,712,725	1,791,291	0.89	\$ 2,545,084	1,847	-	\$ 2,545,084	\$ 832,359	(0.39)	\$ (1,111,741)	\$ 1,433,343	\$ (279,382)	\$ 4,384,196
Jan-18	\$ 1,680,299	2,044,817	0.89	\$ 2,058,786	1,857	-	\$ 2,058,786	\$ 378,487	(0.39)	\$ (899,317)	\$ 1,159,469	\$ (520,830)	\$ 3,583,984
Feb-18	\$ 1,679,531	1,956,242	0.89	\$ 1,997,647	1,857	-	\$ 1,997,647	\$ 318,117	(0.39)	\$ (872,611)	\$ 1,125,037	\$ (554,494)	\$ 3,029,490
Mar-18	\$ 1,675,994	1,850,464	0.89	\$ 1,863,971	1,857	-	\$ 1,863,971	\$ 187,977	(0.39)	\$ (814,218)	\$ 1,049,753	\$ (626,241)	\$ 2,403,249
Apr-18	\$ 1,676,352	1,876,864	0.89	\$ 1,892,893	1,856	-	\$ 1,892,893	\$ 216,541	(0.39)	\$ (826,852)	\$ 1,066,041	\$ (610,311)	\$ 1,792,939
May-18	\$ 1,643,578	1,914,650	0.89	\$ 1,911,240	1,857	-	\$ 1,911,240	\$ 267,662	(0.39)	\$ (834,866)	\$ 1,076,374	\$ (567,205)	\$ 1,225,734
Jun-18	\$ 1,654,618	1,986,924	0.91	\$ 1,613,018	1,857	-	\$ 1,613,018	\$ (41,600)	(0.11)	\$ (196,304)	\$ 1,416,715	\$ (237,903)	\$ 987,831
Jul-18	\$ 1,653,524	2,050,527	0.91	\$ 2,181,615	1,856	-	\$ 2,181,615	\$ 528,090	(0.11)	\$ (265,502)	\$ 1,916,113	\$ 262,589	\$ 1,250,420
Aug-18	\$ 54,280	2,089,410	0.91	\$ 2,160,098	1,854	-	\$ 2,160,098	\$ 2,105,818	(0.11)	\$ (262,883)	\$ 1,897,215	\$ 1,842,935	\$ 3,093,354
Sep-18	\$ 226,910	2,181,146	0.91	\$ 2,243,914	1,854	-	\$ 2,243,914	\$ 2,017,004	(0.11)	\$ (273,083)	\$ 1,970,830	\$ 1,743,920	\$ 4,837,275
Oct-18	\$ 335,332	1,866,353	0.91	\$ 1,958,498	1,853	-	\$ 1,958,498	\$ 1,623,167	(0.11)	\$ (238,348)	\$ 1,720,150	\$ 1,384,818	\$ 6,222,093
Nov-18 (est)	\$ 328,536	1,655,212	0.91	\$ 1,841,821	1,855	-	\$ 1,841,821	\$ 1,513,284	(0.11)	\$ (224,149)	\$ 1,617,672	\$ 1,289,135	\$ 7,511,229
													Total Recovery E-Factor \$ 7,511,229

(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.
 (b) Correction made to September actual sales on 11-2-2018 (call reference error); Modified from \$2,590,611 to \$2,181,146
 (c) C Factor and E Factor Revenues are allocated on a percentage basis.

**PECO - December 2018
NBT
Interest Calculation**

NBT 2: Rate GS

E-Factor Period	Actual Sales (KW)	C-Factor Over/(Under) Recovery	Interest Rate	Interest Time Factor	Interest Owed/ (Interest Recouped)	Interest Factor Rate	Interest Factor Revenues ^(a)	Total Interest Owed/ (Interest Recouped)	Cumulative Interest Owed/ (Interest Recouped)
	(1)	(2)	(3)	(4)	(5) = (2) * (3) * (4)	(6)	(7)	(8) = (5) + (7)	(9)
Balance									
Dec-17	1,791,291	\$ 832,359	6%	9/12	\$ 37,456	\$ (0.01)	\$ (35,905)	\$ 1,551	\$ 142,419
Jan-18	2,044,817	\$ 378,487	6%	8/12	\$ 15,139	\$ (0.01)	\$ (29,045)	\$ (13,905)	\$ 143,970
Feb-18	1,956,242	\$ 318,117	6%	7/12	\$ 11,134	\$ (0.01)	\$ (28,182)	\$ (17,048)	\$ 130,065
Mar-18	1,850,464	\$ 187,977	6%	6/12	\$ 5,639	\$ (0.01)	\$ (26,296)	\$ (20,657)	\$ 113,017
Apr-18	1,876,864	\$ 216,541	6%	5/12	\$ 5,414	\$ (0.01)	\$ (26,704)	\$ (21,291)	\$ 92,360
May-18	1,914,650	\$ 267,662	6%	4/12	\$ 5,353	\$ (0.01)	\$ (26,963)	\$ (21,610)	\$ 71,069
Jun-18	1,986,924	\$ (41,600)	6%	9/12	\$ (1,872)	\$ (0.00)	\$ (7,635)	\$ (9,507)	\$ 49,459
Jul-18	2,050,527	\$ 528,090	6%	8/12	\$ 21,124	\$ (0.00)	\$ (10,327)	\$ 10,797	\$ 39,951
Aug-18	2,089,410	\$ 2,105,818	6%	7/12	\$ 73,704	\$ (0.00)	\$ (10,225)	\$ 63,478	\$ 50,748
Sep-18	2,181,146	\$ 2,017,004	6%	6/12	\$ 60,510	\$ (0.00)	\$ (10,622)	\$ 49,888	\$ 114,226
Oct-18	1,866,353	\$ 1,623,167	6%	5/12	\$ 40,579	\$ (0.00)	\$ (9,271)	\$ 31,308	\$ 164,115
Nov-18 (est)	1,655,212	\$ 1,513,284	6%	4/12	\$ 30,266	\$ (0.00)	\$ (8,719)	\$ 21,547	\$ 195,423
									\$ 216,970

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

Net Interest \$ 216,970

Attachment 4

PECO - Electric
December 2018 Non-Bypassable Transmission Charge (NBT)
Semi-Annual Rate Calculation

NBT 3: Rates HT, PD, EP

		Amount	\$/kWh	
(1)	C = Projected Recoverable Transmission Costs	\$ 2,818,217	\$0.19	p. 2 of 4
(2)	E = Experienced & Estimated Net Over/(Under)			
	a. Over/(Under)	\$ 7,916,798	\$0.53	p. 3 of 4
	b. Interest	\$ 221,625	\$0.01	p. 4 of 4
		\$ 8,138,423	\$0.54	
(3)	Net Recoverable (C - E)	\$ (5,320,206)	-\$0.35	
(4)	S = Projected PLC Sales (KW) for Computation Period	15,073,392		
(5)	T = Pennsylvania gross receipts tax rate	5.90%		
(6)	NBT = [(C+E+I)/SJ]/(1-T)	(\$0.38)		

**PECO - December 2018
NBT
C-Factor Calculation**

NBT 3: Rates HT, PD, EP

C-Factor Month	Projected Transmission Costs ^(a) (1)	Projected PLC Sales (KW) (2)
Dec-18 (est)	\$ 456,226	2,512,232
Jan-19 (est)	\$ 461,545	2,512,232
Feb-19 (est)	\$ 458,885	2,512,232
Mar-19 (est)	\$ 472,183	2,512,232
Apr-19 (est)	\$ 477,502	2,512,232
May-19 (est)	\$ 491,877	2,512,232
Total	\$ 2,818,217	15,073,392

Estimated Recovery C-Factor \$0.19 per kW

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement of \$ (8,901,981.16) over the period 12/1/18-5/13/19

PECO - December 2018
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)
Balance									
Dec-17	2,483,117	\$ 44,191	6%	9/12	\$ 1,989	(0.01)	\$ (13,818)	\$ (11,830)	\$ 81,589
Jan-18	2,244,738	\$ (165,790)	6%	8/12	\$ (6,632)	(0.01)	\$ (12,198)	\$ (18,829)	\$ 69,760
Feb-18	2,649,856	\$ 194,380	6%	7/12	\$ 6,803	(0.01)	\$ (14,230)	\$ (7,427)	\$ 50,930
Mar-18	2,434,209	\$ 31,525	6%	6/12	\$ 946	(0.01)	\$ (13,283)	\$ (12,337)	\$ 43,503
Apr-18	2,555,401	\$ 113,761	6%	5/12	\$ 2,844	(0.01)	\$ (13,770)	\$ (10,926)	\$ 31,166
May-18	2,542,035	\$ 180,109	6%	4/12	\$ 3,602	(0.01)	\$ (13,886)	\$ (10,284)	\$ 20,240
Jun-18	2,185,507	\$ (262,830)	6%	9/12	\$ (1,827)	(0.00)	\$ (1,066)	\$ (12,894)	\$ 9,956
Jul-18	2,482,563	\$ 158,599	6%	8/12	\$ 6,344	(0.00)	\$ (1,289)	\$ 5,055	\$ (2,937)
Aug-18	2,593,177	\$ 2,427,625	6%	7/12	\$ 84,967	(0.00)	\$ (1,321)	\$ 83,646	\$ 2,118
Sep-18	2,590,611	\$ 2,184,008	6%	6/12	\$ 65,520	(0.00)	\$ (1,319)	\$ 64,201	\$ 85,763
Oct-18	2,240,870	\$ 1,701,886	6%	5/12	\$ 42,547	(0.00)	\$ (1,144)	\$ 41,404	\$ 149,965
Nov-18 (est)	2,540,450	\$ 1,566,162	6%	4/12	\$ 31,323	(0.00)	\$ (1,067)	\$ 30,257	\$ 191,368
									\$ 221,625

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

Net Interest \$ 221,625

Attachment 5

PECO - Electric
December 2018 Non-Bypassable Transmission Charge (NBT)
Semi-Annual Rate Calculation

NBT 4: Rates SLE, SLS, POL, AL, TLCL

		Amount	\$/kWh	
(1)	C = Projected Recoverable Transmission Costs	\$ 6,345	\$0.00007	p. 2 of 4
(2)	E = Experienced & Estimated Net Over/(Under)			
	a. Over/(Under)	\$ (1,823)	-\$0.00002	p. 3 of 4
	b. Interest	\$ (105)	\$0.00000	p. 4 of 4
		\$ (1,929)	-\$0.00002	
(3)	Net Recoverable (C - E)	\$ 8,273	\$0.00009	
(4)	S = Projected Sales (kWh) for Computation Period	94,419,479		
(5)	T = Pennsylvania gross receipts tax rate	5.90%		
(6)	TSC = [(C+E+I)/S]/(1-T)	\$0.00009		

**PECO - December 2018
NBT**

C-Factor Calculation

NBT 4: Rates SLE, SLS, POL, AL, TLCL

C-Factor Month	Projected Transmission Costs ^(a) (1)	Projected Sales (kWh) (2)
Dec-18 (est)	\$ 1,027	14,883,737
Jan-19 (est)	\$ 1,039	15,934,079
Feb-19 (est)	\$ 1,033	15,909,045
Mar-19 (est)	\$ 1,063	15,882,144
Apr-19 (est)	\$ 1,075	16,003,012
May-19 (est)	\$ 1,107	15,807,463
Total	\$ 6,345	94,419,479

Estimated Recovery C-Factor \$0.00007 per kWh

(a) Projected costs account for estimated net refund per FERC # EL05-121-009 Settlement of \$ (20,041.37)

**PECO - December 2018
NBT
E-Factor Calculation**

NBT 4: Rates SLE, SLS, POL, AL, TLCL

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kWh) ⁽²⁾	C-Factor Rate ⁽³⁾	C-Factor Revenue ⁽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 ⁽¹⁰⁾	Total Collected Revenue ^{(11) = (10) + (7)}	Over/(Under) Recovery ^{(12) = (11) - (1)}	Cumulative Over/(Under) Recovery ⁽¹³⁾
Dec-17	\$ 5,649	15,424,796	\$ 0.00042	\$ 5,787	6	-	\$ 5,787	\$ 139	\$ (0.00005)	\$ (659)	\$ 5,128	\$ (521)	\$ 4,101
Jan-18	\$ 5,250	14,862,566	\$ 0.00042	\$ 4,952	6	-	\$ 4,952	\$ (297)	\$ (0.00005)	\$ (564)	\$ 4,388	\$ (862)	\$ 3,580
Feb-18	\$ 5,239	14,393,798	\$ 0.00042	\$ (2,524)	6	-	\$ (2,524)	\$ (7,763)	\$ (0.00005)	\$ 288	\$ (2,237)	\$ (7,475)	\$ 2,718
Mar-18	\$ 5,215	14,761,820	\$ 0.00042	\$ (2,394)	6	-	\$ (2,394)	\$ (7,608)	\$ (0.00005)	\$ 273	\$ (2,121)	\$ (7,336)	\$ (4,757)
Apr-18	\$ 5,214	10,068,025	\$ 0.00042	\$ (2,805)	6	-	\$ (2,805)	\$ (8,019)	\$ (0.00005)	\$ 320	\$ (2,485)	\$ (7,699)	\$ (12,093)
May-18	\$ 5,108	15,914,380	\$ 0.00042	\$ (2,329)	6	-	\$ (2,329)	\$ (7,437)	\$ (0.00005)	\$ 265	\$ (2,063)	\$ (7,172)	\$ (19,792)
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	-	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (26,964)
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	-	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (32,781)
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	-	\$ 4,692	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (29,151)
Sep-18	\$ 706	17,917,376	\$ 0.00035	\$ 5,581	6	-	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 9,029	\$ (21,135)
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	-	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (12,106)
Nov-18 (est)	\$ 1,022	15,003,817	\$ 0.00035	\$ 2,844	6	-	\$ 2,844	\$ 1,822	\$ 0.00026	\$ 2,116	\$ 4,960	\$ 3,938	\$ (5,761)
													\$ (1,823)
													Total Recovery E-Factor \$ (1,823)

(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 2018
NBT
Interest Calculation

NBT 4: Rates SLE, SLS, POL, AL, TLCL

E-Factor Period	Actual Sales (KWh)	C-Factor Over/(Under) Recovery	Interest Rate	Interest Time Factor	Interest Owed/ (Interest Recouped)	Interest Rate	Interest Factor	Interest Revenues ^(a)	Total Interest Owed/ (Interest Recouped)	Cumulative Interest Owed/ (Interest Recouped)
	(1)	(2)	(3)	(4)	(5) = (2) * (3) * (4)	(6)	(7)	(8) = (5) + (7)	(9)	
Balance										128
Dec-17	15,424,796	139	6%	9/12	6	0.00000	(21)	(15)	\$	113
Jan-18	14,862,566	(297)	6%	8/12	(12)	(0.00000)	(18)	(30)	\$	84
Feb-18	14,393,798	(7,763)	6%	7/12	(272)	(0.00000)	9	(263)	\$	(179)
Mar-18	14,761,820	(7,608)	6%	6/12	(228)	(0.00000)	9	(220)	\$	(399)
Apr-18	10,068,025	(8,019)	6%	5/12	(200)	(0.00000)	10	(190)	\$	(589)
May-18	15,914,380	(7,437)	6%	4/12	(149)	(0.00000)	8	(140)	\$	(729)
Jun-18	15,798,654	(5,529)	6%	9/12	(249)	0.00001	(8)	(257)	\$	(986)
Jul-18	16,216,415	(113)	6%	8/12	(5)	0.00001	104	100	\$	(886)
Aug-18	13,523,553	4,523	6%	7/12	158	0.00001	97	256	\$	(630)
Sep-18	17,917,376	4,875	6%	6/12	146	0.00001	116	262	\$	(368)
Oct-18	14,232,798	3,192	6%	5/12	80	0.00001	88	168	\$	(201)
Nov-18 (est)	15,003,817	1,822	6%	4/12	36	0.00001	59	95	\$	(105)
										Net Interest \$ (105)

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