

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION



OFFICE OF CONSUMER ADVOCATE :
:
v. : Docket Nos. M-2018-3005860
:
PECO ENERGY COMPANY : C-2018-3006342
:

LIST OF PECO ENERGY COMPANY'S TESTIMONY & EXHIBITS

- **PECO Energy Co. Statement No. 1: Direct Testimony of Joseph A. Bisti**
 - **Exhibit No. JAB-1: Supplement No. 8 to Tariff Electric-Pa PUC No. 4, Effective January 1, 2011**
 - **Exhibit No. JAB-2: PECO Energy Company Default Service Program Request for Proposals For Full Requirements Products (2009)**
 - **Exhibit No. JAB-3: Schedule 12-C Appendix C to the Settlement (FERC Docket No. EL05-121-009)**
 - **Exhibit No. JAB-4: Calculation of PJM Bill Credits PECO will Receive Under the Settlement (FERC Docket No. EL05-121-009)**
 - **Exhibit No. JAB-5: PECO EGS Shopping Statistics (Excluding Unaccounted-For Energy 2003-2018)**
 - **Exhibit No. JAB-6: Calculation of Pre-2011 PJM Bill Credits Under the Settlement (FERC Docket No. EL05-121-009)**
 - **Exhibit No. JAB-7: Non-Bypassable Transmission Service Charge Semiannual Adjustment, PECO Energy Electric Tariff No. 5, Supplement No. 76, Effective December 1, 2018**
 - **Exhibit No. JAB-8: Post-2010 PJM Bill Adjustments, E-Factor Component, Supplement No. 76**
 - **Exhibit No. JAB-9: Non-Bypassable Transmission Service Charge Semiannual Adjustment, PECO Energy**

**Electric Tariff No. 6, Supplement No. 13,
Effective June 1, 2019**

- Exhibit No. JAB-10:** **Post-2010 PJM Bill Adjustments, E-Factor Component, Supplement No. 13**
- **PECO Energy Co. Statement No. 1-R:** **Rebuttal Testimony of Joseph A. Bisti**
 - Exhibit No. JAB-1R:** **Response of the OCA to Interrogatories of PECO Energy Company Set II, No. 6**
 - Exhibit No. JAB-2R:** **Settlement Agreement, FERC Docket No. ER97-3189-005**
 - Exhibit No. JAB-3R:** **Response of the OCA to Interrogatories of PECO Energy Company Set II, No. 4**
 - Exhibit No. JAB-4R:** **Pre-2011 RTEP Credit Amount**
 - Exhibit No. JAB-5R:** **PECO EGS Shopping Statistics (Excluding Unaccounted-For Energy and Disaggregated by NBT Rate Class)**
- **PECO Energy Co. Statement No. 1-RJ:** **Rejoinder Testimony of Joseph A. Bisti**
 - Exhibit No. JAB-1RJ:** **PECO Compliance Filing (FERC Docket No. ER97-3189-005)**
 - Exhibit No. JAB-2RJ:** **PECO FERC Form No. 1 December 31, 1994 (Excerpt)**
 - Exhibit No. JAB-3RJ:** **PECO FERC Form No. 1 December 31, 1992 (Excerpt)**
 - Exhibit No. JAB-4RJ:** **PECO FERC Form No. 1 December 31, 1993 (Excerpt)**

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PECO ENERGY COMPANY
STATEMENT NO. 1

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

OFFICE OF CONSUMER ADVOCATE

v.

PECO ENERGY COMPANY

DOCKET NOS. M-2018-3005860
C-2018-3006242

DIRECT TESTIMONY

WITNESS: JOSEPH A. BISTI

SUBJECT: CALCULATION OF PECO ENERGY
COMPANY'S NON-BYPASSABLE
TRANSMISSION CHARGE RATE
EFFECTIVE AS OF DECEMBER 1, 2018

DATED: JUNE 5, 2019

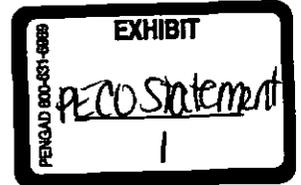


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**DIRECT TESTIMONY
OF
JOSEPH A. BISTI**

4

I. INTRODUCTION AND PURPOSE OF TESTIMONY

5 **1. Q. Please state your name and business address.**

6 A. My name is Joseph A. Bisti. My business address is PECO Energy Company,
7 2301 Market Street, Philadelphia, Pennsylvania 19103.

8 **2. Q. By whom are you employed and in what capacity?**

9 A. I am employed by PECO Energy Company ("PECO" or the "Company") as a
10 Principal Regulatory and Rates Specialist. In that capacity, I am responsible for
11 tariff administration, financial analysis, project management and regulatory affairs
12 relating to PECO's electric and gas operations. My duties include maintenance
13 and oversight of semi-annual adjustments to PECO's two retail transmission rates,
14 the Transmission Service Charge ("TSC") and the Non-Bypassable Transmission
15 Charge ("NBT").

16 **3. Q. Please describe your educational background.**

17 A. I earned a Bachelor of Science in Economics from The College of New Jersey in
18 2000, a Master of Science in Training and Organizational Development from
19 Saint Joseph's University in 2009, and a Graduate Certificate in Utility
20 Management from Willamette University in 2012. In 2015, I earned certification
21 as a Project Management Institute Professional in Business Analysis (PMI-PBA).

1 **4. Q. Please describe your professional experience.**

2 A. In February of 2019, I was promoted to my current position within PECO's
3 Regulatory Policy and Strategy department. Prior to that promotion, I was a
4 Senior Rate Administrator for over three years, during which I assumed oversight
5 responsibilities for the TSC and NBT as described above. In that position, my
6 responsibilities also included analyzing and applying PECO's tariffs to retail
7 customers, as well as coordination and preparation of PECO testimony and
8 comments in several proceedings before the Pennsylvania Public Utility
9 Commission ("Commission"). For approximately nine years prior to my role as a
10 Senior Rate Administrator, I was a Senior Analyst in PECO's Energy Acquisition
11 department. The Energy Acquisition department is responsible for PECO's
12 interaction with Electric Generation Suppliers ("EGSs") who furnish generation
13 and network transmission service to electric retail customers that choose to shop
14 with alternative suppliers. The Energy Acquisition department is also responsible
15 for fulfilling PECO's obligation as a Default Service Provider ("DSP") to serve
16 electric retail customers who need, or choose to obtain, default service.

17 **5. Q. Please state the purpose of your direct testimony and provide a brief**
18 **overview of what you will discuss in more detail later in this statement.**

19 A. My testimony responds to averments in the Complaint filed by the Office of
20 Consumer Advocate ("OCA") that PECO's semi-annual adjustment to its Non-
21 Bypassable Transmission Charge ("NBT") set forth in a tariff supplement filed on
22 November 7, 2018 may be unjust, unlawful or unreasonable. PECO's tariff

1 supplement became effective on December 1, 2018, pursuant to the authorization
2 granted by the Commission before the OCA filed its Complaint.

3 The focus of the OCA's Complaint is a portion of the total of \$83 million
4 of net billing adjustments that PJM Interconnection, L.L.C. ("PJM") has made
5 and will continue to make to Regional Transmission Expansion Plan ("RTEP")
6 charges it billed to PECO for transmission enhancements furnished from June 1,
7 2007 through January 1, 2016. These retrospective billing adjustments implement
8 the terms of a settlement ("Settlement") of a transmission rate proceeding that had
9 been in litigation before the Federal Energy Regulatory Commission ("FERC")
10 for nearly a decade. PJM began issuing the credits to its historical bills covered
11 by the Settlement in July 2018. Consequently, PECO's semi-annual NBT
12 adjustment filed on November 1, 2018 was PECO's first opportunity to include
13 any of the Settlement credits in its NBT rate.

14 In its November 2018 NBT filing, PECO stated its intent to reflect a credit
15 to customers of approximately \$77.5 million, which is all but \$5.5 million of the
16 prior-period Settlement credits PECO expects to receive. The remaining \$5.5
17 million is the portion of the total PJM net credit adjustments that relate to RTEP
18 charges PJM billed to PECO prior to January 1, 2011. That date is the effective
19 date on which PECO first implemented, with the Commission's prior approval
20 under Docket R-2010-2161575, its TSC. The TSC is an automatic adjustment
21 clause established under Section 1307(a) of the Public Utility Code to recover
22 PJM transmission charges (including, at that time, RTEP charges) from default
23 service customers outside of distribution base rates on a dollar-for-dollar basis,

1 subject to retrospective reconciliation. Subsequently, under Docket P-2014-
2 2409362, the Commission approved PECO's NBT to become effective June 1,
3 2015, to recover non-market-based transmission charges (including RTEP) that
4 PECO pays to PJM from all customers (i.e., both those customers who receive
5 generation service from EGSs and those who receive default service from PECO).
6 Like the TSC, the NBT is a fully-reconcilable Section 1307(a) automatic
7 adjustment clause.

8 As explained in Section III., below, prior to January 1, 2011, PECO did
9 not have in place any mechanism for the full and current recovery from its
10 customers of PJM transmission charges, including RTEP charges, on a
11 reconcilable basis. Moreover, PECO's base rates in effect prior to January 1,
12 2011 were established before PJM began to impose RTEP charges in 2007 and,
13 therefore, did not reflect any RTEP charges. As a result (and as explained in
14 detail in Section V.), the Company is properly flowing through the NBT all of the
15 retrospective PJM billing adjustments that pertain to periods when PECO
16 recovered PJM transmission charges (including RTEP) from customers (the \$77.5
17 million). PJM RTEP charges imposed prior to January 1, 2011 were not
18 recovered under the TSC or the NBT and were not subject to reconciliation.
19 Therefore, PECO is properly excluding PJM billing adjustments that relate to
20 PJM charges imposed prior to January 1, 2011 (the \$5.5 million) from its
21 calculation of NBT charges.

1 NBT rates for the period June 1, 2019 through November 30, 2019, which
2 continues to reflect all post-2010 PJM billing adjustments made under the
3 Settlement.

4 **8. Q. Please summarize the principal allegations set forth in the OCA's Complaint.**

5 A. The OCA's Complaint relies on two principal facts: (1) PECO will receive PJM
6 bill credits under the Settlement; and (2) the Company is retaining approximately
7 \$5.5 million of pre-2011 bill credits in calculating the semi-annual adjustments to
8 its NBT. Based on those facts, the OCA alleges that PECO's NBT may be
9 "unjust, unreasonable, and in violation of the Pennsylvania Public Utility Code,
10 66 Pa. C.S. Section 1301 *et seq.*"¹

11 From the limited facts stated in the Complaint, it appears that the OCA is
12 asserting that the Commission should require PECO to refund to customers all of
13 the prior-period bill adjustment credits (i.e., for periods both before and after
14 January 1, 2011) that PJM is furnishing to PECO pursuant to the Settlement. The
15 OCA's contention is not justified for the reasons discussed in detail in Sections
16 III. and V. below.

17 **III. HISTORY OF PECO'S RATEMAKING TREATMENT OF PJM'S**
18 **TRANSMISSION-RELATED COSTS**

19 **9. Q. Mr. Bisti, please describe RTEP charges that are imposed by PJM.**

20 A. As the FERC-approved Regional Transmission Organization, PJM coordinates
21 the flow of electricity on the transmission system and works cooperatively with

¹ Complaint, ¶ 4.G.

1 transmission owners within its footprint to ensure safe and reliable transmission
2 service. PJM's RTEP process identifies transmission system upgrades and
3 enhancements necessary to continue providing this level of transmission service
4 across its footprint. PJM RTEP charges, also known as "Transmission
5 Enhancement" charges, compensate the transmission owners responsible for
6 developing these projects. PJM allocates RTEP project costs across transmission
7 owner zones as described later in my testimony. PJM first began to impose RTEP
8 charges on PECO as the default service supplier and on other load serving entities
9 ("LSEs") in the PECO Zone on June 1, 2007.

10 **10. Q. Did PECO reflect RTEP charges in its base rates before January 1, 2011?**

11 **A.** No. PECO's base rates in effect at the time PJM initiated RTEP charges were
12 established in PECO's 1989 base rate case and were subsequently unbundled
13 effective January 1, 1999, in conjunction with PECO's Commission-approved
14 Restructuring Plan.² The 1989 base rates did not provide for the recovery of any
15 RTEP charges because PECO was not yet incurring those charges. PECO
16 therefore absorbed all RTEP charges without recovering those costs from
17 customers while the 1989 base rates were effective.

18 PECO did not file another distribution rate case until March 2010. In its
19 2010 case, PECO proposed to recover all PJM-related transmission costs imposed
20 on PECO (including RTEP) through a bypassable, reconcilable TSC established

² *Application of PECO Energy Co. for Approval of Its Restructuring Plan Under Section 2806 of the Public Utility Code et al.*, Docket Nos. R-00973953 and P-00971265 (Joint Petition for Settlement filed Apr. 29, 1998) ("Restructuring Plan"), p. 11. The Restructuring Plan was approved by the Commission in its Order and Opinion entered on May 14, 1998.

1 under Section 1307 of the Public Utility Code. The Commission approved
2 PECO's proposal, and the base rates and TSC approved by the Commission in the
3 2010 rate case became effective on January 1, 2011.³

4 **11. Q. What categories of costs were recovered from default service customers**
5 **through the TSC approved by the Commission in PECO's 2010 rate case?**

6 A. On January 1, 2011, PECO began to recover from default service customers,
7 through the TSC, all transmission-related charges imposed by PJM on PECO and
8 not paid by default service suppliers under the Supply Master Agreement
9 ("SMA") approved in PECO's first default service proceeding ("DSP I"). Those
10 charges included RTEP costs. See PECO Exhibit No. JAB-1. The sample PJM
11 bill appended to PECO's DSP I SMA that identifies PECO's responsibility for
12 RTEP charges is attached hereto as PECO Exhibit No. JAB-2.

13 **12. Q. Did the TSC include any RTEP costs incurred by PECO prior to January 1,**
14 **2011?**

15 A. No. The Company's TSC charge included a projection of the transmission-related
16 service costs that PECO would incur on an annual basis from and after January 1,
17 2011. The TSC also included a factor to reconcile revenues recovered under the
18 TSC with actual costs for reconciliation periods that ended on October 31 each

³ *Pa. P.U.C. v. PECO Energy Co. – Elec. Division*, Docket No. R-2010-2161575 (Opinion and Order entered Dec. 21, 2010) ("2010 Rate Case Order"), p. 9. On December 21, 2010, PECO filed Supplement No. 8 to PECO Electric Tariff No. 4, bearing an effective date of January 1, 2011, which included the TSC approved by the Commission in the 2010 Rate Case Order ("Compliance Filing"). A copy of the TSC Rider pages of the Compliance Filing are attached hereto as PECO Exhibit No. JAB-1.

1 year. See PECO Exhibit No. JAB-1. However, PECO prorated the first
2 reconciliation period to cover only January 1, 2011 through October 31, 2011.

3 **13. Q. Mr. Bisti, please describe how PECO recovered RTEP costs from customers**
4 **during PECO's subsequent default service programs.**

5 A. During its second default service program effective June 1, 2013 through May 31,
6 2015,⁴ PECO continued to have the responsibility for paying PJM charges under
7 the SMA, as previously described, and sought recovery of those charges through
8 the bypassable TSC.

9 On December 4, 2014, the Commission approved PECO's proposed third
10 default service program for the period June 1, 2015 through May 31, 2017 ("DSP
11 III"), as modified by a Joint Petition for Partial Settlement.⁵ In the DSP III Order
12 (p. 46), the Commission agreed that PECO, in its capacity as an electric
13 distribution company, should acquire certain non-market based transmission
14 services on behalf of all distribution customers (both shopping and non-shopping)
15 and recover the associated costs on a non-bypassable basis through a new NBT
16 rather than through the existing bypassable TSC. Consistent with the DSP III
17 Order, on June 1, 2015, PECO implemented the non-bypassable NBT to recover:
18 (1) Generation Deactivation/Reliability Must Run charges (PJM bill line 1930)

⁴ *Petition of PECO Energy Co. for Approval of its Default Serv. Program II*, Docket No. P-2012-2283641 (Opinion and Order entered Oct. 12, 2012), pp. 44, 56-60.

⁵ *Petition of PECO Energy Co. for Approval of its Default Serv. Program for the Period from June 1, 2015 through May 31, 2017*, Docket No. P-2014-2409362 (Order entered Dec. 4, 2014) ("DSP III Order").

1 imposed after December 4, 2014; (2) RTEP charges (PJM bill line 1108); and (3)
2 Expansion Cost Recovery charges (PJM bill line 1730).

3 **14. Q. Did PECO recover RTEP charges through its wholesale transmission rate**
4 **between June 1, 2007 and December 31, 2010?**

5 A. No. Network Integration Transmission Service (“NITS”) is the mechanism by
6 which PECO and other transmission owners recover their annual transmission
7 costs and revenue requirements from PJM network customers.⁶

8 For the period of January 1, 2007 through December 31, 2010, PECO
9 recovered its cost of providing network service in its transmission zone through a
10 stated rate. PECO’s stated FERC transmission rate was fixed at \$20,942 per
11 megawatt-year in 1998 based on a black box settlement approved by the FERC at
12 Docket No. ER97-3189-000. PJM RTEP costs did not exist at the time the 1998
13 settlement was approved.

14 **15. Q. Are the costs of RTEP projects in the PECO zone part of the Company’s**
15 **network service rate?**

16 A. No. Under Schedule 12 of its Open Access Transmission Tariff (“OATT”),
17 RTEP charges are allocated by PJM on behalf of transmission owners to LSEs in
18 the transmission zones that are assigned cost responsibility for the applicable
19 RTEP projects. The network service rate recovers PECO’s costs of service

⁶ Transmission owners set their rates using either a fixed/stated rate to recover their costs or a forward-looking formula-based rate, which is based on a projection of their transmission revenue requirement for the upcoming operating year.

1 related to its transmission facilities within its transmission zone. RTEP charges,
2 on the other hand, are imposed on LSEs to recover the costs of transmission
3 facilities owned by other transmission service providers outside the PECO zone.
4 Because RTEP charges to which the Settlement applies were, and still are,
5 assessed on LSEs, not transmission owners, RTEP charges were not, and could
6 not, be a part of PECO's network service rate.

7 **IV. CHANGES TO THE FERC-APPROVED REGIONAL TRANSMISSION**
8 **EXPANSION PLAN COST ALLOCATION METHODOLOGY**
9 **UNDER THE SETTLEMENT**

10 **16. Q. Mr. Bisti, you have explained that PJM began to bill PECO for RTEP**
11 **charges in 2007. Please describe the methodology for allocating RTEP costs**
12 **adopted by the FERC in its Order No. 494 in 2007.**

13 A. Order No. 494⁷ directed PJM to continue to allocate RTEP project costs for
14 facilities with capacities of less than 500 kW across the transmission zones within
15 PJM based on a net benefit analysis known as the "DFAX" method.⁸ For higher
16 voltage facilities, including Required Transmission Enhancements planned to
17 operate at or above 500 kV, FERC determined that all customers in PJM would
18 pay a "postage stamp" rate. A "postage stamp" rate is a uniform rate per unit of
19 load that all transmission service customers pay based on the aggregated costs of
20 all transmission facilities in the PJM region, irrespective of the "net benefit" any

⁷ *PJM Interconnection, L.L.C.*, Opinion No. 494, 119 FERC ¶ 61,308 (2007) ("FERC Order No. 494"), pp. 45-46.

⁸ DFAX represents the percentage of the power flowing from a generator to a load that is carried over a particular transmission facility. The DFAX method models system-wide power flows and determines what facilities an entity's actual power flows will impact.

1 individual transmission service customer may actually derive from such
2 facilities.⁹

3 **17. Q. Has the RTEP cost allocation methodology approved in FERC Order No. 494**
4 **changed?**

5 A. Yes. The entry of FERC Order No. 494 initiated more than a decade of litigation
6 in which certain transmission owners within PJM, including PECO, contested the
7 RTEP cost allocation methodology the FERC had adopted. That litigation was
8 resolved by the Settlement, which the FERC approved on May 31, 2018.¹⁰ The
9 Settlement implements a schedule of adjustments to PJM's prior-period billings
10 for RTEP charges. These retrospective billing adjustments are based on a hybrid
11 method of allocating costs for RTEP transmission enhancements that differs from
12 the method used to calculate the bills PJM originally issued to comply with FERC
13 Order No. 494. The total net bill credits that PECO is now receiving under the
14 Settlement are adjustments to RTEP charges PECO paid between June 1, 2007
15 and January 1, 2016.

16 **18. Q. What adjustments to PECO's prior PJM bills will be made under the**
17 **Settlement?**

18 A. Under the Settlement, PJM was charged with tracking and accumulating the
19 aggregate differences, plus interest, between the previous RTEP charges and the
20 revised allocations approved by FERC between January 1, 2016 and June 30,

⁹ FERC Order No. 494, pp. 8-9.

¹⁰ *PJM Interconnection, L.L.C.*, Order on Contested Settlement, 163 FERC ¶ 61,168 (2018).

1 2018, a period referred to as the “transitional period.” PJM published a summary
2 of the transitional period billing adjustments in each transmission zone on July 31,
3 2018.

4 For the “historical period,” from the initiation of RTEP charges in 2007 to
5 January 1, 2016, the total amounts that were reallocated and the corresponding
6 billing adjustments are based on a “black box” settlement. A new Schedule 12-C,
7 Appendix C (“Appendix C”), was added to the OATT to implement the
8 Settlement effective as of January 1, 2016 and continuing through December 31,
9 2025. Appendix C reflects the parties’ agreement to identify the total amounts
10 PJM would collect from, or credit to, LSEs in each responsible transmission zone
11 and does not specify any underlying billing determinants as the basis for the
12 agreed upon total. Appendix C, which is attached to my testimony as PECO
13 Exhibit No. JAB-3, provides that the Company’s monthly PJM billing
14 adjustments for this “historical period” are credits of \$634,062.44 and
15 \$265,733.81 for years 1 through 4 of the Settlement (2016-2019) and years 5
16 through 10 of the Settlement (2020-2025), respectively.

17 **19. Q. Have you prepared an exhibit showing the Company’s calculations of the**
18 **total amount of PJM bill credits PECO will receive under the Settlement?**

19 A. Yes. PECO Exhibit No. JAB-4 applies the terms of the Settlement to the most
20 recent data available from PJM. PECO will receive approximately \$83 million in
21 total net credit adjustments to prior-period bills (i.e., the total bill credits for the
22 “transition period” and the “historical period”). PJM began furnishing those bill

1 credits to PECO in July of 2018, and will continue to provide credits until
2 December 31, 2025. The sum of \$83 million is an upward revision of the
3 estimate of \$79.5 million set forth in PECO's November 7, 2018 NBT filing.

4 **20. Q. How did PECO determine the portion of the total Settlement amount that**
5 **relates to the 2007-2010 period?**

6 A. The Company used time-segmented "black box" RTEP reallocation amounts for
7 the PECO Zone provided by PJM during the settlement negotiations at FERC
8 Docket No. EL05-121-009 to determine the portion of RTEP charges paid by
9 PECO during the historical period. Based on the data provided by PJM, PECO
10 calculated that approximately 12.3% of the RTEP charges paid by PECO during
11 the historical period and reallocated under the Settlement relate to the 2007-2010
12 period. As shown on PECO Exhibit No. JAB-4, PECO's total black box PJM
13 credit amount for the "historical period" is \$49,567,831.44. Applying the 12.3%
14 factor along with the Company's default service load percentage for the pre-2011
15 period calculated in PECO Exhibit No. JAB-5 (91%) to PECO's total black box
16 PJM bill credit for the historical period results in a PJM billing adjustment of \$5.5
17 million for the pre-2011 period.¹¹ Additional details regarding this calculation are
18 provided in PECO Exhibit No. JAB-6.

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¹¹ Even though PECO's total PJM bill credits under the Settlement increased from approximately \$79 million to \$83 million, PECO did not increase the \$5.5 million portion that related to pre-2011 bill adjustments.

1 **V. THE NON-BYPASSABLE TRANSMISSION CHARGE RATES CALCULATED**
2 **IN PECO'S TARIFF SUPPLEMENTS REFLECT ALL ADJUSTMENTS TO**
3 **POST-2010 PJM BILLS AND ARE REASONABLE**

4 **21. Q. Please describe how PECO accounted for the PJM billing adjustments in its**
5 **semi-annual NBT rate calculations.**

6 A. PECO's customers paid reconcilable TSC or NBT charges that included PJM's
7 RTEP charges from and after January 1, 2011. Accordingly, under PECO's
8 approach, all of the PJM RTEP billing adjustments that relate to billing periods
9 from and after January 1, 2011 will flow through to PECO's distribution
10 customers via its NBT rate calculations. The approximately \$5.5 million of bill
11 credits that PECO did not include in its NBT calculations relate to transmission
12 service for the 2007-2010 period. During that period, neither the TSC nor NBT
13 were in effect, and PECO's base rates were not subject to any form of
14 retrospective, line-item reconciliation. Indeed, as I previously explained, the
15 revenue requirement for PECO's base rates in effect between June 1, 2007 and
16 December 31, 2010 did not include any RTEP charges. As such, no baseline
17 exists to conduct any such reconciliation, even if one were to be attempted.

18 **22. Q. Did PECO employ its approach of passing through all post-2010 PJM RTEP**
19 **bill credits to customers in its NBT rates effective December 1, 2018 through**
20 **May 31, 2019?**

21 A. Yes. In Supplement No. 76, PECO reduced the NBT costs by approximately \$49
22 million that would otherwise be recoverable to begin reflecting the PJM bill
23 credits for the post-2010 period, including credits that PECO began receiving in
24 July of 2018 as well as credits that PECO anticipated receiving by May 31, 2019.

1 PECO reflected approximately \$20.9 million in NBT overcollections from July
 2 2018 through October 2018 resulting from the actual PJM billing adjustments
 3 made during that period in the reconciliation factor (the “E-Factor”) for the NBT
 4 rates effective December 1, 2018. PECO also projected receipt of approximately
 5 \$28.4 million in additional PJM bill credits through May 31, 2019 and reflected
 6 those projected credits as an offset to projected recoverable NBT costs in the “C-
 7 Factor.”

8 Table 1 below provides a breakdown of the PJM bill credits passed through to
 9 customers by rate class under Supplement No. 76 and the accompanying
 10 supporting schedules, which are attached hereto as PECO Exhibit No. JAB-7.
 11 The Company’s workpapers for the E-Factor calculation under Supplement No.
 12 76 are attached hereto as Exhibit No. JAB-8.

13 **Table 1**

<u>Rate Class</u>	<u>Post-2010 Bill Credit Amount</u>	<u>Rate Component</u>	<u>PECO Exhibit Cross-Reference</u>
R, RH	\$9,587,409.75	E-Factor	PECO Exhibit No. JAB-8
	\$12,994,084.26	C-Factor	PECO Exhibit No. JAB-7, Attachment 2, p. 2.
GS	\$4,748,308.94	E-Factor	PECO Exhibit No. JAB-8
	\$6,440,295.14	C-Factor	PECO Exhibit No. JAB-7, Attachment 3, p. 2.
HT, PD, EP	\$6,568,512.20	E-Factor	PECO Exhibit No. JAB-8
	\$8,901,981.16	C-Factor	PECO Exhibit No. JAB-7, Attachment 4, p. 2.

SLE, SLS, POL, AL, TLCL	\$14,782.17	E-Factor	PECO Exhibit No. JAB-8
	\$20,041.37	C-Factor	PECO Exhibit No. JAB-7, Attachment 5, p. 2.
Total	\$49,275,414.99		

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Supplement No. 76 excludes approximately \$2.75 million in PJM billing

3

adjustments related to transmission service periods prior to January 1, 2011.

4

23. Q. Did the Company make another semi-annual adjustment to its NBT after the OCA filed its Complaint?

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6

A. Yes. On May 15, 2019, PECO filed its NBT semi-annual adjustment for the period June 1, 2019 through November 30, 2019 in its Supplement No. 13 to its Tariff Electric – Pa. P.U.C. No. 6 (“Supplement No. 13”), which bore an effective date of June 1, 2019 and was docketed at M-2019-3010032. On May 30, 2019, the Commission issued a Secretarial Letter approving PECO’s proposed NBT rates under Supplement No. 13 effective June 1, 2019.

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As shown in Table 2 below, in Supplement No. 13, PECO reduced the NBT costs by approximately \$13.9 million that would otherwise be recoverable to continue reflecting the PJM bill credits for the post-2010 period that PECO anticipated receiving by November 30, 2019. PECO reflected approximately \$17,000 in NBT overcollections from November 2018 through April 2019 resulting from the actual PJM billing adjustments made during that period E-

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Factor.¹² Details on the Company's E-Factor calculations for Supplement No. 13 are provided in PECO Exhibit No. JAB-10. PECO also offset the projected recoverable NBT costs in the C-Factor by approximately \$13.9 million to reflect additional PJM bill credits the Company expects to receive through November 30, 2019.¹³

Table 2

<u>Rate Class</u>	<u>Post-2010 Bill Credit Amount</u>	<u>Rate Component</u>	<u>PECO Exhibit Cross-Reference</u>
R, RH	\$7,918.18	E-Factor	PECO Exhibit No. JAB-10
	\$6,322,018.97	C-Factor	PECO Exhibit No. JAB-9, Attachment 2, p. 2.
GS	\$3,970.70	E-Factor	PECO Exhibit No. JAB-10
	\$3,165,767.68	C-Factor	PECO Exhibit No. JAB-9, Attachment 3, p. 2.
HT, PD, EP	\$5,520.83	E-Factor	PECO Exhibit No. JAB-10
	\$4,399,111.16	C-Factor	PECO Exhibit No. JAB-9, Attachment 4, p. 2.
SLE, SLS, POL, AL, TLCL	\$11.56	E-Factor	PECO Exhibit No. JAB-10
	\$9,282.02	C-Factor	PECO Exhibit No. JAB-9, Attachment 5, p. 2.
Total		\$13,913,601.10	

¹² This amount is substantially lower than the E-Factor amount recovered in Supplement No. 76 because PECO had previously projected receipt of the majority of these adjustments in Supplement No. 76.

¹³ This amount is substantially lower than the C-Factor amount recovered in Supplement No. 76 because the adjustments pertaining to the "transitional period" are scheduled to end in June of 2019. Only the black box adjustments pertaining to the "historical period" are scheduled to continue through 2025.

1 Supplement No. 13 excludes the balance of approximately \$2.75 million in PJM
2 billing adjustments related to transmission service periods prior to January 1,
3 2011.

4 **24. Q. Will the NBT continue to reflect RTEP billing adjustments that PJM will**
5 **make pursuant to the Settlement through 2025?**

6 A. Yes. All of the remaining PJM bill credits that PECO receives after November
7 30, 2019 will be passed through to customers as reductions to PECO's NBT-
8 recoverable costs in subsequent semi-annual adjustments to PECO's NBT rate.

9 **25. Q. Would it be either reasonable or equitable to require PECO to include pre-**
10 **2011 PJM billing adjustments made pursuant to the Settlement in its**
11 **calculation of NBT charges, as the OCA seems to be suggesting in its**
12 **Complaint?**

13 A. No. The 2018 Settlement before the FERC that required PJM to make
14 retrospective billing adjustments does not provide any valid basis for a single-
15 issue, line-item adjustment to PECO's pre-2011 base rates. Such an adjustment is
16 particularly inappropriate given that PECO's pre-2011 base rates did not reflect
17 any RTEP charges.

18 Closer examination of the substantive economic effect of the 2018 FERC
19 Settlement further establishes the lack of reasonable basis for such an adjustment.
20 If PJM had charged PECO correctly from the outset – that is, if PJM's bills from
21 June 2007 to December 31, 2010 had been in the correct amount – PECO would
22 have no cost-based justification to reduce its base rates during that period by \$5.5

1 million. The fact that PJM has retrospectively reduced the RTEP charges that
2 were imposed on and paid by PECO during that pre-2011 period does not provide
3 a reasonable basis for the OCA's position.

4 Similarly, if PJM had overcharged PECO \$5.5 million from June 2007 to
5 December 2010 but discovered its error in December 2010 and issued a \$5.5
6 million bill adjustment in that month, there would not have been a reasonable
7 basis to require PECO to reduce its base rates for that period by \$5.5 million.
8 Indeed, counsel advises that, if an attempt had been made at that time to force
9 PECO to reduce its base rates in an amount equal to such billing adjustment,
10 PECO could have, and would have, resisted that demand based on the legal
11 doctrine of Commission-made rates and the associated prohibitions against
12 retroactive and single-issue ratemaking. Again, the fact that the FERC did not
13 approve changes to the RTEP cost allocation methodology until more than a
14 decade after PJM began imposing those charges in the PECO zone does not
15 change this analysis.

16 VI. CONCLUSION

17 **26. Q. Please summarize your response to the principal allegations set forth in the**
18 **OCA's Complaint.**

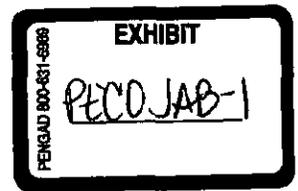
19 **A.** As discussed above, PJM first began to impose RTEP charges in the PECO Zone
20 on June 1, 2007. PECO's Commission-approved base rates in effect between
21 June 2007 and December 31, 2010 were based on a revenue requirement
22 established pre-RTEP that did not include any of the subsequent RTEP charges

1 paid by PECO. PECO also did not recover RTEP charges through its wholesale
2 stated transmission rate between June 1, 2007 and December 31, 2010. PJM
3 transmission-related costs, including RTEP charges, were recovered from
4 customers on a full, current and reconcilable basis through the TSC or NBT only
5 for periods from and after January 1, 2011. Accordingly, PECO's NBT has been
6 calculated to flow-through to customers all of the Settlement adjustments that
7 relate to RTEP charges PJM billed to PECO from and after January 1, 2011.
8 There is no valid basis to require PECO to refund PJM's adjustments to RTEP
9 charges that PECO paid before those charges became subject to recovery and
10 retrospective reconciliation upon the implementation of the TSC as of January 1,
11 2011.

12 **27. Q. Does this complete your direct testimony at this time?**

13 A. Yes, it does.

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 Director
 Rates and Regulatory Affairs

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PECO Energy Company
 2301 Market Street, 515
 Philadelphia, PA 19103

Mail To: 8699
 Philadelphia, PA 19101-8699

December 21, 2010

BY FED EX

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Post Office Box 3265
Harrisburg, PA 17105-3265

Re: Supplement No. 8 to Tariff Electric – Pa PUC No. 4
Issued December 21, 2010 - to become effective January 1, 2011

Compliance Filings:

- (1) General Base Rate Case for Electric Operations – Docket No. R-2010-2161575
- (2) Purchase of Receivables – Docket No. P-2009-2143607

Incorporated by reference are the following:

Docket No. R-009739531/P-000971265, M-2009-2123944, P-2008-2062739,
 P-00072260 and M-2010-2196682

Dear Secretary Chiavetta:

Pursuant to Commission Opinion and Order at Docket No. R-2010-2161575 entered December 21, 2010, PECO Energy Company ("PECO" or the "Company") is herewith filing eight copies of its Compliance Filing, Supplement No. 8 to Tariff Electric Pa. P.U.C. No. 4, bearing an effective date of January 1, 2011. This filing also is being made in compliance with the Commission Order at Docket No. P-2009-2143607 entered June 18, 2010, with regard to retail tariff changes necessary to implement PECO's Purchase of Receivables Program.

Supplement No. 8 also incorporates the following tariff provisions approved in prior proceedings, as follows:

1. Elimination of Competitive Transition Charges ("CTC") per the Company's Electric Restructuring Order (Docket No.'s R-009739531/P-000971265). A final CTC reconciliation is required on or before March 31, 2011;
2. Incorporation of the Company's Smart Meter tariff provisions contained in Tariff Electric No. 3, Supplement No. 105, approved October 27, 2010, effective January 1, 2011 (Docket No. M-2009-2123944);
3. Incorporation of the Company's Tariff provisions of Generation Supply Adjustment ("GSA") (Docket No. P-2008-2062739) and Alternative Energy Portfolio Standard ("AEPS") (Docket No. P-00072260) contained in Tariff Electric No. 4, Supplement No. 6 to become effective January 1, 2011.

PECO Energy Company

Electric Service Tariff

COMPANY OFFICE LOCATION

2301 Market Street
Philadelphia, Pennsylvania 19101

For List of Communities Served, See Page 4.

Issued December 21, 2010

Effective January 1, 2011

**ISSUED BY: D. P. O'Brien - President
PECO Energy Distribution Company
2301 MARKET STREET
PHILADELPHIA, PA. 19101**

NOTICE.

Supplement No. 8 to
 Tariff Electric Pa. P.U.C. No. 4
 Sixth Revised Page No. 1
 Supersedes Fifth Revised Page No. 1

PECO Energy Company

LIST OF CHANGES MADE BY THIS SUPPLEMENT

[ALL CHANGES ARE PER DOCKET NO. R-2010-2161575 EXCEPT AS NOTED OTHERWISE]

Definition of Terms and Explanation of Abbreviations - 1st Revised Page No. 6, 1st Revised Page No. 6
 Revised definition of bad credit to clarify the circumstances under which the Company may require a security deposit. Revised definition of Service to specify rate availability for larger customers.
 The Tariff - 1st Revised Page No. 10
 Simplified reference to PECO website.
 Meter Location - 1st Revised Page No. 11
 Revised Rule 3.2- Meter Location to ensure that proper access to the Company's meters and equipment is provided.
 Credit -1st Revised Page No. 13
 Revised Rule 5.2 Prior Debts, Rule 5.3 Guarantee of Payment and Rule 5.4 Amount of Deposit to clarify the intent and application of the rule.
 Return of Deposit - 1st Revised Page No. 14
 Revised Rule 5.5 to provide additional details on when a deposit may be required.
 Line Extensions for Standard Service - 1st Revised Page No. 15
 Revised Rule 7.2 Line Extension definition.
 Customers Responsibility - 1st Revised Page No. 18
 Revised Rule 10.2 to clarify the customer's responsibility when an unsafe condition exists.
 Recovery for Property Damage - 1st Revised Page No. 19
 Added new Rule 10.11 Recovery of Property Damage which states the terms for recovery of costs of damaged Company equipment.
 Estimated Usage- 1st Revised Page No. 22
 Added Rule 14.9 - Approved at Docket M-2009-2123944 from Smart Meter Filing.
 Deleted reference to Rate HT, Consolidated Rules 14.6 and 14.8.
 Billing and Standard Payment Options - 1st Revised Page No. 24
 Approved at Docket No. P-2009-2143607 - Updated Rule 17.4 Payment Processing
 Deleted reference to Rate RT.
 Billing and Standard Payment Options - 1st Revised Page No. 25
 Approved at Docket No. P-2009-2143607. Updated Rule 18.1, Rule 18.2 and Rule 18.7.
 Deleted Reference to Rate RT.
 Designation of Procurement Class - 1st Revised Page No. 27
 Renumbered 22.1 and added effective date for clarity.
 State Tax Adjustment Clause - 1st Revised Page No. 30
 Reset STAS to zero.
 Provisions for Recovery of UNIVERSAL SERVICE FUND CHARGE (USFC) 1st Revised Page No. 38
 Approved at Docket No. M-2010-2186682. Revised USFC recovery mechanism.
 Provisions for Recovery of SUPPLEMENTAL UNIVERSAL SERVICE FUND COSTS 1st Revised Page No. 39
 Deleting Supplement USFC .
 Provision for the Recovery of Consumer Education Plan Costs 1st Revised Page No. 40
 Deleted Reference to Rate RT.
 Transmission Charges - 1st Revised Page 40A
 New charging mechanism for Transmission Charges.
 Smart Meter Cost Recovery Surcharge - 1st Revised Page 40B
 Approved at Docket No. M-2009-2123944 - new recovery mechanism for smart meter costs.
 Provisions for the Recovery of Energy Efficiency and Conservation Program Costs (EEPC) 1st Revised Page 40C
 Approved at Docket No. M-2009-2093215.
 Added details to EEPC charges for lighting rates.
 Rate R - Residence Service - 1st Revised Page No. 41
 Increased Fixed Distribution Charge and Variable Distribution Charge.
 Rate RT- Residence Time of Use Service- 1st Revised Page No. 42
 Rate deleted.
 Rate RH- Residential Heating Service - 1st Revised Page No. 43
 Increased Fixed Distribution Charge and Variable Distribution Charge.
 Rate RS-2 Net Metering - 1st Revised Page No. 44 and 1st Revised Page No. 45
 Deleted reference to Rate RT.
 Corrected maximum capacity limit - Approved at Docket L-00050174.
 Rate OP - Off Peak Service - 1st Revised Page No. 46
 Fixed Distribution Charge decreased and variable distribution charges increased.
 Rate GS- General Service - 1st Revised Page No. 47, 1st Revised Page No. 48, 1st Revised Page No. 49
 Increased Fixed Distribution Charges and change in Variable Distribution Charges. Also revised single meter, separate meter provisions and special provisions.
 Rate PD- Primary Distribution Power - 1st Revised Page No. 50
 Increased Fixed Distribution Charge and Variable Distribution Charge.
 Rate HT- High Tension Power - 1st Revised Page No. 51
 Increased Fixed Distribution Charge, Variable Distribution Charge and High Voltage Discount.
 Rate POL Private Outdoor Lighting - 1st Revised Page No. 52
 Distribution Charges increased.
 Rate SL-P Street Lighting in City of Philadelphia 1st Revised Page No. 54, 1st Revised Page No. 55 & 1st Revised Page No. 56
 Rate deleted.
 Rate SL-S 1st Revised Page No. 57
 Distribution Charges increased.

Supplement No. 8 to
 Tariff Electric Pa. P.U.C. No. 4
 First Revised Page No. 1A
 Superseding Original Page No. 1A

PECO Energy Company

LIST OF CHANGES MADE BY THIS SUPPLEMENT

Rate SL-E – 1st Revised Page No. 59

Added an additional Service Location Charge and added a Distribution Charge.

Rate TLCL – 1st Revised Page No. 61

Availability of Rate is expanded to include constant load devices.

Rate EP- 1st Revised Page No. 63

Increased Fixed Distribution Charge, Variable Distribution Charge and High Voltage discount.

Rate AL – 1st Revised Page No. 64

Modified availability of rate to eliminate Variable Distribution Charge and replace with a Service Location Charge.

Applicability Index of Riders – 1st Revised Page No. 65

Index Modified to reflect deleted riders.

Auxiliary Service Rider – 1st Revised Page No. 66, 1st Revised Page No. 67 1st Revised Page No. 68

Rate and billing section revised to reflect updated Power Pricing and changes to the variable distribution charge.

Customer Assistance Program (CAP) Rider – 1st Revised Page No. 69

Delete the Rate RT reference, increases the number of tiers, provides for percentage discount rates and provides maximum discount amounts.

Casualty Rider – 1st Revised Page No. 71

Deleted the word "ratchet".

Cooling Thermal Storage HT Rider 1st Revised Page 73

Rider deleted.

Night Service GS Rider – 1st Revised Page 80

Increased billing and metering charge and Off-Peak Charge.

Night Service HT Rider – 1st Revised Page 81

Increased billing and metering charge and Off-Peak Charge.

Night Service PD Rider – 1st Revised Page 82

Increased billing and metering charge and Off-Peak Charge.

Seasonal Capacity Charge Service Rider – 1st Revised Page 84

Rider deleted.

Temporary Service Rider- 1st Revised Page No. 85

Rate impact section revised.

Transformer Rental Rider – 1st Revised Page No. 86

Revised wording to reflect elimination of the rider as of January 1, 2012.

Voluntary Market Price Transition Deferral Rider- 1st Revised Page No. 87

Deleted Rate SL-P reference.

Wind Energy Service Rider – 1st Revised Page No. 88

Deleted Rate RT reference.

Transmission Charges – 1st Revised Page No. 89, 1st Revised Page No. 90 and 1st Revised Page No. 91

Transmission Charges deleted.

Supplement No. 8 to
 Tariff Electric PA. P.U.C. No. 4
 First Revised Page No. 40A
 Superseding Original Page No. 40A

PECO Energy Company

TRANSMISSION SERVICE CHARGE

(C)

Purpose: The purpose of this surcharge is to provide for full and current cost recovery of all transmission service related costs incurred under the PJM open access transmission tariff on behalf of the Company's default service load.

Applicability: The surcharge shall be assessed to all default service 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 surcharge shall be calculated on an annual basis using the formula below:

$TSC(n) = (C+E+I)S(n)$ where:

$TSC(n)$ = 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:

Charges assessed by PJM for network service within the PECO zone. Included in such charges are costs assigned to the load serving entities in the PECO zone under the Regional Transmission Expansion Plan as well as the base network service charge for the zone as well as any load serving entity charges assessed to PECO under the PJM OATT that are listed in PECO's Supply Master Agreement Exhibit D as the responsibility of the Buyer. Included in the cost to be recovered is a working capital (WC) component as defined below.

WC – cost for working capital associated with the purchase of transmission service from PJM at a rate of \$356 per mW. WC is a component of the 'C' factor

E – The estimated over or under recovery from the prior year. The reconciliation period shall be the 12 months ended October 31.

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 = RM, 1b = OP, 2 = small C&I, 3 = large C&I, 4 = street lighting

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

S – Estimated default service sales for residential class and the street lighting class in the application period. For the commercial and industrial class it shall be the estimated billed demand for the application period. The application period shall be the 12 month period starting the January 1 subsequent to the filing of the updated rate.

Filing Schedule: The estimated surcharge shall be filed December 1 prior to the start of the application period. The rate shall be effective on the first full billing cycle starting after January 1. The filing shall include a reconciliation for the 12 months ended October 31 prior to the filing date. The resultant over or under recovery shall be included in the Transmission service Charge commencing on January 1 following the reconciliation filing.

Current Transmission Service Rate:

Residential

R= \$0.0073 per kilowatthour

RH= \$0.0039 per kilowatthour

OP= \$0.0034 per kilowatthour

Small C&I = \$1.82 per billed kW

Large C&I = \$2.01 per billed kW

Street Lighting = \$0.0000 per kilowatt hour

(C) Indicates Change



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Exhibit C

PECO Energy Company
Default Service Program
Request for Proposals
For Full Requirements Products

_____, 2009

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

OPERATING AGREEMENT OF PJM INTERCONNECTION, L.L.C.:				
Charges:	Day-ahead	Balancing	Total	Reference
Reconciliation for Transmission Losses			Seller	Schedules 1-3.2.5 & 3.4.2 of PJM Operating Agreement
Reactive Services			Seller	Schedule 3.2.3B of PJM Operating Agreement
Emergency Energy			Seller	Schedule 1-3.2.6, 3.3.4, 3.5.1 & 4.3 of PJM Operating Agreement
FTR Auction			Seller	Schedule 1-7.3.8 of PJM Operating Agreement
Meter Correction			Seller	Schedule 1-3.6 of PJM Operating Agreement
Real-Time Economic Load Response Program			Seller	Sections describing PJM's Economic Load Response Programs in PJM Operating Agreement
Day-Ahead Economic Load Response Program			Seller	Sections describing PJM's Economic Load Response Programs in PJM Operating Agreement
Emergency Load Response Program			Seller	Sections describing PJM's Emergency Load Response Programs in PJM Operating Agreement
Percentage of Default Allocation (See Agreement § 4.11)			Seller	Section 15.2 of PJM Operating Agreement

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

OPERATING AGREEMENT OF PJM INTERCONNECTION, L.L.C.:				
Credits:	Day-ahead	Balancing	Total	Reference
Transmission Congestion - Hourly			Seller	Schedules 1-3.2.4, 3.4.1 & 5.2 of PJM Operating Agreement
Transmission Congestion - Annual			Buyer	Schedules 1-3.2.4, 3.4.1 & 5.2 of PJM Operating Agreement
Transmission Losses			Seller	Schedules 1-3.2.5 & 3.4.2 of PJM Operating Agreement
Reconciliation for Transmission Losses			Seller	Schedules 1-3.2.5 & 3.4.2 of PJM Operating Agreement
Regulation			Seller	Schedules 1-3.2.2, 3.2.2A, 3.2.2, & 3.3.2A of PJM Operating Agreement
Synchronized Reserve			Seller	Schedules 1-3.2.3A & 3.3.5 of PJM Operating Agreement
Operating Reserves	Seller	Seller	Seller	Schedules 1-3.2.3 & 3.3.3 of PJM Operating Agreement
Synchronous Condensing			Seller	Schedules 1-3.2.3 & 3.3.3 of PJM Operating Agreement
Reconciliation for Transmission Losses			Seller	Schedules 1-3.2.5 & 3.4.2 of PJM Operating Agreement
Reactive Services			Seller	Schedule 3.2.3B of PJM Operating Agreement
Emergency Energy			Seller	Schedule 1-3.2.6, 3.3.4, 3.5.1 & 4.3 of PJM Operating Agreement

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

OPERATING AGREEMENT OF PJM INTERCONNECTION, L.L.C.:				
Credits:	Day-ahead	Balancing	Total	Reference
FTR Auction			Seller	Schedule 1-7.3.8 of PJM Operating Agreement
Auction Revenue Rights			Seller	Schedule 1-7.4 of PJM Operating Agreement
Real-Time Economic Load Response Program			Buyer	Sections describing PJM's Economic Load Response Programs in PJM Operating Agreement
Day-Ahead Economic Load Response Program			Buyer	Sections describing PJM's Economic Load Response Programs in PJM Operating Agreement
Emergency Load Response Program			Buyer	Sections describing PJM's Emergency Load Response Programs in PJM Operating Agreement

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

PJM OPEN ACCESS TRANSMISSION TARIFF:		
Charges:	Total	Reference
PJM Scheduling, System Control and Dispatch Service	Seller	Schedules 1 and 9 of PJM OATT
Transmission Owner Scheduling, System Control and Dispatch Service	Seller	Schedule 1A of PJM OATT
Reactive Supply and Voltage Control from Generation Sources Service	Seller	Schedule 2 of PJM OATT
Black Start Service	Seller	Schedule 6A of PJM OATT
North American Electric Reliability Corporation (NERC)	Seller	Schedules 1 and 9 of PJM OATT
Reliability First Corporation (RFC)	Seller	Schedules 1 and 9 of PJM OATT
Network Integration Transmission Service	Buyer	Section 34, Attachments H-1 through H-15, Attachment H-A, and TOAs Section 5.4
Firm Point-to-Point Transmission Service	Seller	Section 13.7, Schedule 7, and TOAs Section 5.4
Non-Firm Point-to-Point Transmission Service	Seller	Sections 14.5 & 27A, Schedule 8 of PJM OATT
Reconciliation for PJM Scheduling, System Control and Dispatch Service	Seller	Schedules 1 and 9 of PJM OATT
Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service	Seller	Schedule 1A of PJM OATT
Energy Imbalance	Seller	Schedule 4 of PJM OATT
Expansion Cost Recovery	Buyer	Schedule 13 of PJM OATT
Transmission Enhancement Charges	Buyer	Schedule 12 of PJM OATT
Generation Deactivation	Seller	Part V of PJM OATT
Charges:	Total	Reference

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

RPM Auction	Seller	Attachment DD of PJM OATT
Locational Reliability	Seller	Attachment DD of PJM OATT
Non-Unit Specific Capacity Transaction	Seller	Attachment DD of PJM OATT
Demand Resource and ILR Compliance Penalty	Buyer	Attachment DD of PJM OATT
Capacity Resource Deficiency	Seller	Attachment DD of PJM OATT
Generation Resource Rating Test Failure	Seller	Attachment DD of PJM OATT
Qualifying Transmission Upgrade Compliance Penalty	Seller	Attachment DD of PJM OATT
Peak Season Maintenance Compliance Penalty	Seller	Attachment DD of PJM OATT

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

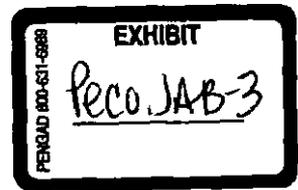
Credits:	Total	Reference
Transmission Owner Scheduling, System Control and Dispatch	Buyer	Schedule 1A of PJM OATT
Reactive Supply and Voltage Control from Generation Sources	Buyer	Schedule 2 of PJM OATT
Black Start Service	Seller	Schedule 6A of PJM OATT
Network Integration Transmission Service	Buyer	Section 34, Attachments H-1 through H-15, Attachment H-A, and TOAs Section 5.4
Firm Point-to-Point Transmission Service	Buyer	Section 13.7, Schedule 7, and TOAs Section 5.4
Non-Firm Point-to-Point Transmission Service	Buyer	Sections 14.5 & 27A, Schedule 8 of PJM OATT
Expansion Integration	Buyer	Schedule 13 of PJM OATT
Other Supporting Facilities	Buyer	Schedules 7 & 8 and Attachments F, F-1, H-5A, H-6A, H-8A and H-9 of PJM OATT
Energy Imbalance	Seller	Schedule 4 of PJM OATT
Expansion Cost Recovery	Buyer	Schedule 13 of PJM OATT
Transmission Enhancement Credits	Buyer	Schedule 12 of PJM OATT
Generation Deactivation	Seller	Part V of PJM OATT
RPM Auction	Seller	Attachment DD of PJM OATT
Interruptible Load for Reliability	Buyer	Attachment DD of PJM OATT
Capacity Transfer Rights	Seller	Attachment DD of PJM OATT
Incremental Capacity Transfer Rights	Seller	Attachment DD of PJM OATT
Non-Unit Specific Capacity Transaction	Seller	Attachment DD of PJM OATT
Demand Resource and ILR Compliance Penalty	Buyer	Attachment DD of PJM OATT

EXHIBIT D
SAMPLE PJM INVOICE (Continued)

FINAL BILLING STATEMENT ISSUED ON: MM/DD/YYYY

FOR PERIOD: MM/DD/YYYY TO MM/DD/YYYY

Credits:	Total	Reference
Generation Resource Rating Test Failure	Seller	Attachment DD of PJM OATT
Qualifying Transmission Upgrade Compliance Penalty	Seller	Attachment DD of PJM OATT
Peak Season Maintenance Compliance Penalty	Seller	Attachment DD of PJM OATT



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Schedule 12-C Appendix C						
Transmission Enhancement Charge (TEC) Adjustments - Monthly						
Zone or MTF	Monthly TEC Adjustment Years 1-4 Without PATH	Monthly TEC Adjustment Years 1-4 PATH Only	Total Monthly TEC Adjustment Years 1 through 4	Monthly TEC Adjustment Years 5-10 Without Path	Monthly TEC Adjustment Years 5-10 Path Only	Total Monthly TEC Adjustment Years 5 through 10
AE	-\$24,860.09	\$47,899.66	\$23,039.57	-\$10,418.79	\$20,074.61	\$9,655.82
AEP	-\$2,444,812.18	-\$174,489.11	-\$2,619,301.30	-\$1,024,614.00	-\$73,127.90	-\$1,097,741.90
APS	\$954,922.88	\$52,440.01	\$1,007,362.89	\$400,205.53	\$21,977.46	\$422,182.99
ATSI	-\$1,093,902.38	-\$72,438.56	-\$1,166,340.94	-\$458,451.45	-\$30,358.80	-\$488,810.25
BGE	\$1,281,971.91	-\$2,640.98	\$1,279,330.93	\$537,270.87	-\$1,106.83	\$536,164.04
ComEd	-\$2,608,103.66	-\$221,693.57	-\$2,829,797.23	-\$1,093,049.01	-\$92,911.16	-\$1,185,960.17
ConEd	-\$70,904.37	-\$4,688.81	-\$75,593.18	-\$29,715.83	-\$1,965.07	-\$31,680.89
Dayton	-\$375,384.08	-\$34,767.87	-\$410,151.95	-\$157,322.42	-\$14,571.12	-\$171,893.54
Duke OH/KY	-\$302,715.79	-\$20,247.63	-\$322,963.42	-\$126,867.35	-\$8,485.73	-\$135,353.07
Duquesne	-\$318,588.72	-\$28,822.02	-\$347,410.74	-\$133,519.65	-\$12,079.23	-\$145,598.88
Delmarva DE	-\$157,754.97	\$37,622.55	-\$120,132.43	-\$66,114.67	\$15,767.50	-\$50,347.17
Delmarva MD	-\$97,639.85	\$22,956.13	-\$74,683.72	-\$40,920.59	\$9,620.85	-\$31,299.74
Delmarva VA	-\$13,369.07	\$3,188.35	-\$10,180.71	-\$5,602.94	\$1,336.23	-\$4,266.71
Dominion	\$2,548,417.01	-\$29,708.12	\$2,518,708.88	\$1,068,034.50	-\$12,450.59	\$1,055,583.90
EKPC	-\$88,156.35	-\$3,920.00	-\$92,076.35	-\$36,946.08	-\$1,642.86	-\$38,588.94
HTP	\$67,459.71	-\$392.30	\$67,067.41	\$28,272.18	-\$164.41	\$28,107.76
JCPL	\$684,836.11	\$113,570.16	\$798,406.27	\$287,012.91	\$47,596.94	\$334,609.85
MedEd	-\$290,626.73	\$14,498.19	-\$276,128.54	-\$121,800.86	\$6,076.15	-\$115,724.70
Neptune	\$63,553.63	\$10,067.97	\$73,621.60	\$26,635.15	\$4,219.46	\$30,854.61
PECO	-\$766,990.16	\$132,927.71	-\$634,062.44	-\$321,443.45	\$55,709.64	-\$265,733.81
Penelec	-\$224,425.28	-\$30,009.25	-\$254,434.53	-\$94,056.01	-\$12,576.79	-\$106,632.80
PEPCO DC	\$787,856.55	\$9,072.91	\$796,929.46	\$330,188.49	\$3,802.43	\$333,990.92
PEPCO MD	\$1,145,526.02	\$13,215.00	\$1,158,741.03	\$480,086.78	\$5,538.37	\$485,625.15
PEPCO SMECO	\$273,479.45	\$3,154.91	\$276,634.36	\$114,614.48	\$1,322.21	\$115,936.69
PPL PPLEU	-\$786,877.08	\$20,174.85	-\$766,702.23	-\$329,778.00	\$8,455.23	-\$321,322.78
PPL UGI	-\$40.31	\$0.00	-\$40.31	-\$16.89	\$0.00	-\$16.89
PSEG	\$1,713,725.35	\$135,477.48	\$1,849,202.83	\$718,217.54	\$56,778.24	\$774,995.77
Rockland	\$63,940.65	\$4,698.27	\$68,638.92	\$26,797.35	\$1,969.03	\$28,766.38
East Coast Power	\$79,461.78	\$2,854.08	\$82,315.86	\$33,302.21	\$1,196.14	\$34,498.35



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Calculation of PJM Bill Credits PECO Will Receive Under the Settlement

"Black Box" Settlement Credit

"Transitional" Credit

SOURCE:

FERC Docket No. EL05-121-009, Offer of Settlement
 June 15, 2016
 Appendix A, Attachment C

SOURCE:

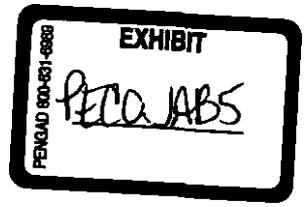
PJM, "Current Recovery Charge Transitional Period Summary"
 July 31, 2018

Schedule 12-C Appendix C						
Transmission Enhancement Charge (TEC) Adjustments - Monthly						
Zone or MTF	Monthly TEC Adjustment Years 1-4 Without PATH	Monthly TEC Adjustment Years 1-4 PATH Only	Total Monthly TEC Adjustment Years 1 through 4	Monthly TEC Adjustment Years 5-10 Without Path	Monthly TEC Adjustment Years 5-10 Path Only	Total Monthly TEC Adjustment Years 5 through 10
PECO	-\$766,990.16	\$132,927.71	-\$634,062.44	-\$321,443.45	\$55,709.64	-\$265,733.81
Total Monthly Adj Sum, Years 1-4	\$ (30,434,997.12)					
Total Monthly Adj Sum, Years 5-10	\$ (19,132,834.32)					
Total "Black Box" Settlement Credit	\$ (49,567,831.44)					

Total Transitional Period Aggregate Differences (January 2016 - June 2018)	\$ (31,707,893.11)
Total Transitional Period Interest (January 2016 - June 2018)	\$ (1,704,045.45)
Monthly Current Recovery Charge Transitional Period Charge - 1108A (July 2018 - June 2019)	\$ (2,784,328.21)

Total Transitional Period Aggregate Differences Plus Interest	\$ (33,411,938.56)
Total Transitional Credit	\$ (33,411,938.56)

Total "Black Box" Settlement Credit	\$ (49,567,831.44)
Total Transitional Credit	\$ (33,411,938.56)
Total Expected Credit:	\$ (82,979,770.00)



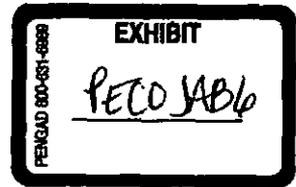
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PECO EGS Shopping Statistics (excluding Unaccounted-For Energy)

YEAR	EGS Usage	Default Usage	Total Usage	EGS %	Default %			
1/1/2003	3,460,077,974	35,884,666,922	39,344,744,897	8.8%	91.2%			
1/1/2004	4,874,098,226	35,354,593,032	40,228,691,258	12.1%	87.9%			
1/1/2005	2,256,160,787	39,191,835,282	41,447,996,070	5.4%	94.6%			
1/1/2006	828,990,063	39,587,707,105	40,416,697,168	2.1%	97.9%			
1/1/2007	648,355,773	40,858,680,659	41,507,036,431	1.6%	98.4%		378,207,534	23,834,230,384
1/1/2008	528,840,851	40,756,335,749	41,285,176,601	1.3%	98.7%		471,567,956	40,158,467,951
1/1/2009	414,295,060	39,560,600,153	39,974,895,213	1.0%	99.0%		459,712,965	40,923,663,367
1/1/2010	505,130,870	42,286,726,581	42,791,857,451	1.2%	98.8%		11,722,746,680	30,474,244,033
1/1/2011	22,940,362,490	18,661,761,485	41,602,123,975	55.1%	44.9%		13,032,235,135	135,390,605,735
1/1/2012	26,249,927,504	14,081,888,264	40,331,815,767	65.1%	34.9%			148,422,840,870
1/1/2013	27,606,595,915	13,105,583,049	40,712,178,964	67.8%	32.2%			
1/1/2014	27,982,223,924	12,428,028,611	40,410,252,535	69.2%	30.8%			
1/1/2015	28,198,011,260	12,711,369,252	40,909,380,511	68.9%	31.1%			
1/1/2016	28,489,999,682	12,397,313,914	40,887,313,595	69.7%	30.3%			
1/1/2017	28,082,858,392	11,927,276,247	40,010,134,639	70.2%	29.8%			
1/1/2018	11,258,228,414	5,057,736,610	16,315,965,024	69.0%	31.0%			
							8.8%	91.2%



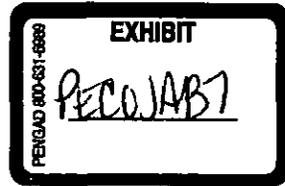
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Calculation of Pre-2011 PJM Bill Credits Under the Settlement

PJM Transmission Enhancement Zonal Cost Allocation using Prior Method (Source: PJM Data Provided During Settlement Negotiations at Docket No. EL05-121-009)				RTEP "Black Box" Settlement: Allocation Factor Development	
June - December 2007	\$	208,012.42			
January - May 2008	\$	526,829.62			
June - September 2008	\$	817,664.26			
October - December 2008	\$	646,431.10			
January - May 2009	\$	1,621,701.26			
June 2009	\$	428,639.74			
July - December 2009	\$	3,108,908.31			
January - May 2010	\$	3,032,901.90			
June 2010	\$	1,065,591.01	<u>2007-2010 Total</u>	<u>% of 2007-2015 Total</u>	
July - December 2010	\$	6,402,033.17	\$ 17,858,712.79	12.3%	
January - May 2011	\$	7,110,547.21			
June 2011	\$	1,492,843.91			
July - December 2011	\$	8,959,813.02			
January - April 2012	\$	6,103,190.94			
May 2012	\$	1,517,579.79			
June - 2012	\$	1,911,374.47			
June - December 2012	\$	11,475,732.98			
January - May 2013	\$	10,600,044.98			
June 2013	\$	2,015,829.61			
July - December 2013	\$	12,190,738.42			
January - May 2014	\$	12,007,357.98			
June 2014	\$	2,658,748.06			
July - December 2014	\$	16,065,782.06			
January 2015	\$	2,771,091.65	<u>2011-2015 Total:</u>		
Feb-Dec 2015	\$	30,482,008.15	\$ 127,362,683.24		
TOTAL	\$	145,221,396.03	\$ 145,221,396.03		
					From PECO Exhibit JAB-4:
					Total "Black Box" Settlement Credit \$ (49,567,831.44)
					2007-2010 PJM Transmission Enhancement Zonal Cost
					Allocation using Prior Method \$ (6,095,642.17)
					From PECO Exhibit JAB-5:
					PECO Default Service Usage % 91.2%
					RTEP Credit to be Retained by PECO \$ (5,560,415.64)



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An Exelon Company

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

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PECO
2301 Market Street
515
Philadelphia, PA 19103

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.

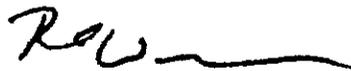
Per the Settlement, the PECO Zone will receive \$79.5M of total credits, including receipt of approximately \$56M of this amount by the end of June 2019. As discussed with the Commission this past October, PECO will retain \$5.5 million of the total credits over the NBT filing periods from December 1, 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,



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

PECO Energy Company

Supplement No. 76 to
Tariff Electric Pa. P.U.C. No. 5
Seventy-Sixth Revised Page No. 1
Supersedes Seventy-Fifth Revised Page No. 1**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).

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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:

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

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, TLC (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

PECO Energy Company

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

PECO Energy Company

Supersedes Twenty-Ninth Revised Page No. 53

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 NT

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.

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

(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

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 \$ 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

SUPPLEMENT NO. 78 to
ELECTRIC PA. P.U.C. NO. 5

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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

PECO Energy Company

Supplement No. 78 to
Tariff Electric Pa. P.U.C. No. 5
Seventy-Sixth Revised Page No. 1
Supersedes Seventy-Fifth Revised Page No. 1

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)

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

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PECO Energy Company

Supplement No. 78 to
 Tariff Electric Pa. P.U.C. No. 8
 Seventy-Fifth Revised Page No. 2
 Supersedes Seventy-Fourth Revised Page No. 2

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Supplement No. 76 to
 Tariff Electric Pa. P.U.C. No. 6
 Sixth Revised Page No. 41
 Supersedes Fifth Page No. 41

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:

$$NBT(n) = (C+E+I)/B(n) * 1/(1-T)$$
 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 8% 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 of each year.

Current Non-Bypassable Transmission Rate

R = \$0.001511 per kilowatthour

RH = \$0.001511 per kilowatthour

Small C&I = \$0.33 per billed kW

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

Street Lighting = \$0.0029 per kilowatt hour

(D) Denotes Decrease

Issued November 7, 2018

Effective December 1, 2018

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Supplement No. 7 to
 Tariff Electric Pa. P.U.C. No. 6
 Twenty-Ninth Revised Page No. 48
 Supersedes Twenty-Eighth Revised Page No. 48

PECO Energy Company

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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) 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, Fraternal Societies, 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, 1989); (e) electric furnaces or welding apparatus other than a transformer type limited input arc welder with an input not to exceed 37.172 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

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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), 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

(Q) Denotes Decimate

Issued November 7, 2018

Effective December 1, 2018

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Supplement No. 78 to
 Tariff Electric Pa. P.U.C. No. 6
 Twenty-Ninth Revised Page No. 49
 Supersedes Twenty-Eighth Revised Page No. 49

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

WINTER MONTHS (October through May)

\$0.04231 per kWh for all 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), 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

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Issued November 7, 2018

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 Tariff Electric Pa. P.U.C. No. 5
 Thirtieth Revised Page No. 53
 Supersedes Twenty-Ninth Revised Page No. 53

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

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ENERGY EFFICIENCY CHARGE \$0.00187 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 \$6.31 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.

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PECO Energy Company

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Tariff Electric Pa. P.U.C. No. 5
Fourteenth Revised Page No. 82
Supersedes Thirteenth Revised Page No. 82

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 services 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 \$14.0862 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 the 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

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 Sixteenth Revised Page No. 64
 Supersedes Fifteenth Revised Page No. 64

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 \$0.01543 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

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issued November 7, 2018

Effective December 1, 2018

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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) (1)	Projected Sales (kWh) (2)
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
over the period 12/1/18-5/13/19* \$ (12,994,084.26)

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

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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													\$ 2,612,988
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	1,575,927,973	\$ 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	\$ 3,369,169	3,737	\$ -	\$ 3,369,169	\$ (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)	\$ (408,523)	\$ 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	\$ 109,517	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	3,746	\$ -	\$ 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.

**PECO - December 2018
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 ^(a) (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
Balance									\$ 113,889
Dec-17	1,133,467,227	\$ 91,519	6%	9/12	\$ 4,118	\$ (0.00002)	\$ (21,624)	\$ (17,506)	\$ 96,383
Jan-18	1,575,927,973	\$ 1,745,362	6%	8/12	\$ 69,814	\$ (0.00002)	\$ (29,394)	\$ 40,420	\$ 136,803
Feb-18	1,212,575,533	\$ 562,575	6%	7/12	\$ 19,690	\$ (0.00002)	\$ (22,816)	\$ (2,925)	\$ 133,878
Mar-18	1,038,006,090	\$ (2,361)	6%	6/12	\$ (71)	\$ (0.00002)	\$ (19,342)	\$ (19,413)	\$ 114,465
Apr-18	991,600,624	\$ (160,715)	6%	5/12	\$ (4,018)	\$ (0.00002)	\$ (18,466)	\$ (22,484)	\$ 91,981
May-18	839,825,543	\$ (589,877)	6%	4/12	\$ (11,798)	\$ (0.00002)	\$ (15,628)	\$ (27,425)	\$ 64,556
Jun-18	1,014,619,014	\$ (156,175)	6%	9/12	\$ (7,028)	\$ (0.00001)	\$ (11,704)	\$ (18,731)	\$ 45,825
Jul-18	1,397,738,875	\$ 1,219,929	6%	8/12	\$ 48,797	\$ (0.00001)	\$ (16,772)	\$ 32,025	\$ 77,849
Aug-18	1,450,945,593	\$ 4,616,701	6%	7/12	\$ 161,585	\$ (0.00001)	\$ (17,415)	\$ 144,169	\$ 222,018
Sep-18	1,422,280,375	\$ 4,175,637	6%	6/12	\$ 125,269	\$ (0.00001)	\$ (17,075)	\$ 108,194	\$ 330,213
Oct-18	991,186,851	\$ 2,550,186	6%	5/12	\$ 63,755	\$ (0.00001)	\$ (11,896)	\$ 51,859	\$ 382,071
Nov-18 (est)	839,148,959	\$ 1,974,327	6%	4/12	\$ 39,487	\$ (0.00001)	\$ (9,717)	\$ 29,769	\$ 411,840
								Net Interest	\$ 411,840

(a) Interest 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)			
a. Over/(Under)	\$ 7,511,229	\$0.66	p. 3 of 4
b. Interest	\$ 216,970	\$0.02	p. 4 of 4
	<u>\$ 7,728,199</u>	<u>\$0.68</u>	
(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) (1)	Projected Sales (kW) (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) \$	<u>355,857</u>	<u>1,596,036</u>
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
E-Factor Calculation**

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kW) ^(b) (2)	C-Factor Rate (3)	C-Factor Revenue ^(c) (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 ^(c) (10)	Total Collected Revenue (11) = (10) + (7)	Over/(Under) Recovery (12) = (11) - (1)	Cumulative Over/(Under) Recovery (13)
Balance													\$ 4,384,196
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)	\$ 4,104,814
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	\$ (810,311)	\$ 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

(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 (cell reference error); Modified from \$2,590,611 to \$2,181,146

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

Total Recovery E-Factor \$ 7,511,229

**PECO - December 2018
NBT
Interest Calculation**

NBT 2: Rate GS

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									\$ 142,419
Dec-17	1,791,291	\$ 832,359	6%	9/12	\$ 37,456	\$ (0.01)	\$ (35,905)	\$ 1,551	\$ 143,970
Jan-18	2,044,817	\$ 378,487	6%	8/12	\$ 15,139	\$ (0.01)	\$ (29,045)	\$ (13,905)	\$ 130,065
Feb-18	1,956,242	\$ 318,117	6%	7/12	\$ 11,134	\$ (0.01)	\$ (28,182)	\$ (17,048)	\$ 113,017
Mar-18	1,850,464	\$ 187,977	6%	6/12	\$ 5,639	\$ (0.01)	\$ (26,296)	\$ (20,657)	\$ 92,360
Apr-18	1,876,864	\$ 216,541	6%	5/12	\$ 5,414	\$ (0.01)	\$ (26,704)	\$ (21,291)	\$ 71,069
May-18	1,914,650	\$ 267,662	6%	4/12	\$ 5,353	\$ (0.01)	\$ (26,963)	\$ (21,610)	\$ 49,459
Jun-18	1,986,924	\$ (41,800)	6%	9/12	\$ (1,872)	\$ (0.00)	\$ (7,635)	\$ (9,507)	\$ 39,951
Jul-18	2,050,527	\$ 528,090	6%	8/12	\$ 21,124	\$ (0.00)	\$ (10,327)	\$ 10,797	\$ 50,748
Aug-18	2,089,410	\$ 2,105,818	6%	7/12	\$ 73,704	\$ (0.00)	\$ (10,225)	\$ 63,478	\$ 114,226
Sep-18	2,181,146	\$ 2,017,004	6%	6/12	\$ 60,510	\$ (0.00)	\$ (10,622)	\$ 49,888	\$ 164,115
Oct-18	1,866,353	\$ 1,623,167	6%	5/12	\$ 40,579	\$ (0.00)	\$ (9,271)	\$ 31,308	\$ 195,423
Nov-18 (est)	1,655,212	\$ 1,513,284	6%	4/12	\$ 30,266	\$ (0.00)	\$ (8,719)	\$ 21,547	\$ 216,970
								Net Interest	\$ 216,970

(a) Interest Revenues are allocated on a percentage basis

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
		<u>\$ 8,138,423</u>	\$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)/S]/(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
E-Factor Calculation**

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a) (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													\$ 2,611,604
Dec-17	\$ 2,393,977	2,483,117	\$ 0.95	\$ 2,438,168	2,582	\$ -	\$ 2,438,168	\$ 44,191	\$ (0.17)	\$ (438,000)	\$ 2,000,168	\$ (393,809)	\$ 2,217,794
Jan-18	\$ 2,318,012	2,244,738	\$ 0.95	\$ 2,152,222	2,562	\$ -	\$ 2,152,222	\$ (165,790)	\$ (0.17)	\$ (386,632)	\$ 1,765,590	\$ (552,422)	\$ 1,665,373
Feb-18	\$ 2,316,504	2,649,856	\$ 0.95	\$ 2,510,884	2,561	\$ -	\$ 2,510,884	\$ 194,380	\$ (0.17)	\$ (451,063)	\$ 2,059,821	\$ (256,684)	\$ 1,408,689
Mar-18	\$ 2,312,181	2,434,209	\$ 0.95	\$ 2,343,686	2,563	\$ -	\$ 2,343,686	\$ 31,525	\$ (0.17)	\$ (421,027)	\$ 1,922,659	\$ (389,502)	\$ 1,019,187
Apr-18	\$ 2,315,846	2,555,401	\$ 0.95	\$ 2,429,607	2,564	\$ -	\$ 2,429,607	\$ 113,761	\$ (0.17)	\$ (436,462)	\$ 1,993,145	\$ (322,702)	\$ 696,485
May-18	\$ 2,270,076	2,542,035	\$ 0.95	\$ 2,450,185	2,564	\$ -	\$ 2,450,185	\$ 180,109	\$ (0.17)	\$ (440,159)	\$ 2,010,026	\$ (260,050)	\$ 436,434
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755
Aug-18	\$ 75,052	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 2,427,625	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 2,373,514	\$ 2,609,269
Sep-18	\$ 314,003	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 2,184,008	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 2,129,998	\$ 4,739,267
Oct-18	\$ 484,357	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 1,701,886	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 1,655,049	\$ 6,394,316
Nov-18 (est)	\$ 454,056	2,540,450	\$ 0.96	\$ 2,020,218	2,564	\$ -	\$ 2,020,218	\$ 1,566,162	\$ (0.02)	\$ (43,680)	\$ 1,976,538	\$ 1,522,482	\$ 7,916,798
													Total Recovery E-Factor \$ 7,916,798

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

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

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
	<u>\$ (1,929)</u>	-\$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) \$	<u>1,107</u>	<u>15,807,463</u>
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)	C-Factor Rate	C-Factor Revenue ^(b)	NSPL AVE MW	Working Capital \$0.00 per MW/mo	Adjusted C-Factor Revenue	C-Factor Over/(Under) Recovery	E-Factor Rate	E-Factor Revenue ^(b)	Total Collected Revenue	Over/(Under) Recovery	Cumulative Over/(Under) Recovery
	(1)	(2)	(3)	(4)	(5)	(6) = (5) * \$0	(7) = (4) - (6)	(8) = (7) - (1)	(9)	(10)	(11) = (10) + (7)	(12) = (11) - (1)	(13)
Balance													\$ 4,101
Dec-17	\$ 5,849	15,424,798	\$ 0.00042	\$ 5,787	6	\$ -	\$ 5,787	\$ 139	\$ (0.00005)	\$ (659)	\$ 5,128	\$ (521)	\$ 3,580
Jan-18	\$ 5,250	14,862,566	\$ 0.00042	\$ 4,952	6	\$ -	\$ 4,952	\$ (297)	\$ (0.00005)	\$ (564)	\$ 4,388	\$ (862)	\$ 2,718
Feb-18	\$ 5,239	14,393,798	\$ 0.00042	\$ (2,524)	6	\$ -	\$ (2,524)	\$ (7,763)	\$ (0.00005)	\$ 288	\$ (2,237)	\$ (7,475)	\$ (4,757)
Mar-18	\$ 5,215	14,761,820	\$ 0.00042	\$ (2,394)	6	\$ -	\$ (2,394)	\$ (7,608)	\$ (0.00005)	\$ 273	\$ (2,121)	\$ (7,336)	\$ (12,093)
Apr-18	\$ 5,214	10,068,025	\$ 0.00042	\$ (2,805)	6	\$ -	\$ (2,805)	\$ (8,019)	\$ (0.00005)	\$ 320	\$ (2,485)	\$ (7,699)	\$ (19,792)
May-18	\$ 5,108	15,914,360	\$ 0.00042	\$ (2,329)	6	\$ -	\$ (2,329)	\$ (7,437)	\$ (0.00005)	\$ 265	\$ (2,063)	\$ (7,172)	\$ (26,964)
Jun-18	\$ 5,142	15,798,854	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,692	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (21,135)
Sep-18	\$ 708	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 9,029	\$ (12,106)
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (5,761)
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	\$ (1,823)
Total Recovery E-Factor													\$ (1,823)

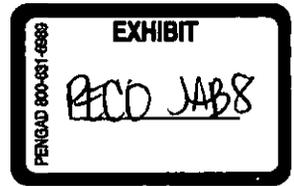
(a) Actual NBT Costs account for RTEP refunds per FERC # EL05-121-009 Settlement, beginning with PJM billing in August 2018.
 (b) C Factor and E Factor Revenues are allocated on a percentage basis.

**PECO - December 2018
NBT
Interest Calculation**

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

E-Factor Period	Actual Sales (kWh) (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								\$	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



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DEC 3 - 2019

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Post-2010 PJM Bill Adjustments, E-Factor Component, Supplement No. 76

Tariff Rate Class	Allocation of Monthly NSPL Average MW			
	Aug-18 (for July)	Sep-18 (for Aug)	Oct-18 (for Sept)	Nov-18 (est - for Oct)
GS	22.7%	22.7%	22.7%	22.7%
RH	5.6%	5.6%	5.6%	5.6%
SLE	0.0%	0.0%	0.0%	0.0%
R	40.2%	40.2%	40.2%	40.2%
PD	1.0%	1.0%	1.0%	1.0%
POL	0.0%	0.0%	0.0%	0.0%
OP	0.0%	0.0%	0.0%	0.0%
HT	29.2%	29.3%	29.2%	29.2%
SLS	0.0%	0.0%	0.0%	0.0%
TL	0.1%	0.1%	0.1%	0.1%
AL	0.0%	0.0%	0.0%	0.0%
EP	1.2%	1.2%	1.2%	1.2%

	Aug-18 (for July)	Sep-18 (for Aug)	Oct-18 (for Sept)	Nov-18 (est - for Oct)	Totals
RTEP "Transitional Period" Settlement (EL05-121-009)	\$ (2,784,328.21)	\$ (2,922,068.55)	\$ (2,884,503.01)	\$ (2,903,512.71)	\$ (11,494,412.48)
NBT 1 (R, RH)	\$ (1,275,761.71)	\$ (1,339,099.31)	\$ (1,322,735.00)	\$ (1,330,418.44)	\$ (5,268,014.46)
NBT 2 (GS)	\$ (632,311.51)	\$ (663,180.07)	\$ (654,038.25)	\$ (659,531.99)	\$ (2,609,061.83)
NBT 3 (HT, PD, EP)	\$ (874,286.55)	\$ (917,724.57)	\$ (905,692.37)	\$ (911,510.31)	\$ (3,609,213.81)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ (1,968.43)	\$ (2,064.60)	\$ (2,037.39)	\$ (2,051.96)	\$ (8,122.39)
Check	\$ (2,784,328.21)	\$ (2,922,068.55)	\$ (2,884,503.01)	\$ (2,903,512.71)	\$ (11,494,412.48)

	Aug-18 (for July)	Sep-18 (for Aug)	Oct-18 (for Sept)	Nov-18 (est - for Oct)	Totals
RTEP "Black Box" Settlement (EL05-121-009)	\$ (2,302,649.64)	\$ (2,385,194.42)	\$ (2,362,682.21)	\$ (2,374,074.31)	\$ (9,424,600.58)
NBT 1 (R, RH)	\$ (1,055,059.62)	\$ (1,093,065.46)	\$ (1,083,445.73)	\$ (1,087,824.49)	\$ (4,319,395.29)
NBT 2 (GS)	\$ (522,923.94)	\$ (541,333.44)	\$ (535,719.51)	\$ (539,270.23)	\$ (2,139,247.11)
NBT 3 (HT, PD, EP)	\$ (723,038.18)	\$ (749,110.26)	\$ (741,848.16)	\$ (745,301.79)	\$ (2,959,298.39)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ (1,627.90)	\$ (1,685.27)	\$ (1,668.82)	\$ (1,677.80)	\$ (6,659.79)
Check	\$ (2,302,649.64)	\$ (2,385,194.42)	\$ (2,362,682.21)	\$ (2,374,074.31)	\$ (9,424,600.58)

Total RTEP Credit by Group	Aug-18 (for July)	Sep-18 (for Aug)	Oct-18 (for Sept)	Nov-18 (est - for Oct)	Totals	Check
NBT 1 (R, RH)	\$ (2,330,821.33)	\$ (2,432,164.76)	\$ (2,406,180.73)	\$ (2,418,242.93)	\$ (9,587,409.75)	\$ (9,587,409.75)
NBT 2 (GS)	\$ (1,155,235.46)	\$ (1,204,513.51)	\$ (1,189,757.75)	\$ (1,198,802.22)	\$ (4,748,308.94)	\$ (4,748,308.94)
NBT 3 (HT, PD, EP)	\$ (1,597,324.74)	\$ (1,666,834.83)	\$ (1,647,540.53)	\$ (1,656,812.11)	\$ (6,568,512.20)	\$ (6,568,512.20)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ (3,596.33)	\$ (3,749.87)	\$ (3,706.21)	\$ (3,729.76)	\$ (14,782.17)	\$ (14,782.17)
					\$ (20,919,013.06)	

NET Update 11.2.18 (067)

Category	Scenario 11		Scenario 12		Scenario 13		Scenario 14		Scenario 15		Scenario 16		Scenario 17		Scenario 18		Scenario 19		Scenario 20		
	Actual	Forecast																			
Revenue	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796	1,101,796
Operating Expenses
Operating Income
Income Tax
Net Income
Depreciation
Amortization
Capital Expenditures
Working Capital
Other
Total

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

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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													\$ 2,612,988
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	1,575,927,973	\$ 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	\$ 3,369,169	3,737	\$ -	\$ 3,369,169	\$ (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	\$ 109,517	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.

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

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ 2,612,988	6/15/2018
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	1,575,927,973	\$ 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	\$ 3,369,169	3,737	\$ -	\$ 3,369,169	\$ (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	\$ 2,440,338	1,450,945,593	\$ 0.00326	\$ 4,726,218	3,742	\$ -	\$ 4,726,218	\$ 2,285,880	\$ (0.00028)	\$ (402,689)	\$ 4,323,549	\$ 1,883,211	\$ 3,242,655	
Sep-18	\$ 2,890,343	1,422,280,375	\$ 0.00326	\$ 4,633,816	3,744	\$ -	\$ 4,633,816	\$ 1,743,473	\$ (0.00028)	\$ (394,796)	\$ 4,239,020	\$ 1,348,676	\$ 4,591,332	
Oct-18	\$ 3,084,359	991,186,851	\$ 0.00326	\$ 3,228,365	3,748	\$ -	\$ 3,228,365	\$ 144,006	\$ (0.00028)	\$ (275,053)	\$ 2,953,312	\$ (131,048)	\$ 4,460,284	
Nov-18 (est)	\$ 3,080,972	839,148,959	\$ 0.00326	\$ 2,637,056	3,742	\$ -	\$ 2,637,056	\$ (443,916)	\$ (0.00028)	\$ (224,674)	\$ 2,412,381	\$ (668,590)	\$ 3,791,694	
Total Recovery E-Factor													\$ 3,791,694	

(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
E-Factor Calculation**

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kW) ^(b)	C-Factor Rate	C-Factor Revenue ^(c)	NSPL AVE MW	Working Capital \$0.00 per MW/mo	Adjusted C-Factor Revenue	C-Factor Over/(Under) Recovery	E-Factor Rate	E-Factor Revenue ^(c)	Total Collected Revenue	Over/(Under) Recovery	Cumulative Over/(Under) Recovery	Starting Balance (Last Updated)
	(1)	(2)	(3)	(4)	(5)	(6) = (5) * \$0	(7) = (4) - (6)	(8) = (7) - (1)	(9)	(10)	(11) = (10) + (7)	(12) = (11) - (1)	(13)	
Balance													\$ 4,384,196	6/15/2018
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)	\$ 4,104,814	
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	

(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 (cell reference error); Modified from \$2,590,611 to \$2,181,146
(c) C Factor and E Factor Revenues are allocated on a percentage basis.

Total Recovery E-Factor \$ 7,511,229

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

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kW) ^(b) (2)	C-Factor Rate (3)	C-Factor Revenue ^(c) (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 ^(c) (10)	Total Collected Revenue (11) = (10) + (7)	Over/(Under) Recovery (12) = (11) - (1)	Cumulative Over/(Under) Recovery (13)	Starting Balance (Last Updated)
Balance													\$ 4,384,196	6/15/2018
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)	\$ 4,104,814	
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	\$ 1,209,516	2,089,410	\$ 0.91	\$ 2,160,098	1,854	\$ -	\$ 2,160,098	\$ 950,582	\$ (0.11)	\$ (262,883)	\$ 1,897,215	\$ 687,699	\$ 1,938,119	
Sep-18	\$ 1,431,423	2,181,146	\$ 0.91	\$ 2,243,914	1,854	\$ -	\$ 2,243,914	\$ 812,490	\$ (0.11)	\$ (273,083)	\$ 1,970,830	\$ 539,407	\$ 2,477,526	
Oct-18	\$ 1,525,089	1,866,353	\$ 0.91	\$ 1,958,498	1,853	\$ -	\$ 1,958,498	\$ 433,409	\$ (0.11)	\$ (238,348)	\$ 1,720,150	\$ 195,061	\$ 2,672,586	
Nov-18 (est)	\$ 1,527,338	1,655,212	\$ 0.91	\$ 1,841,821	1,855	\$ -	\$ 1,841,821	\$ 314,482	\$ (0.11)	\$ (224,149)	\$ 1,617,672	\$ 90,333	\$ 2,762,920	

(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 (cell reference error); Modified from \$2,590,611 to \$2,181,146
(c) C Factor and E Factor Revenues are allocated on a percentage basis.

Total Recovery E-Factor \$ 2,762,920

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

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a) (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)	Starting Balance (Last Updated)	
Balance													\$ 2,611,604	6/15/2018	
Dec-17	\$ 2,393,977	2,483,117	\$ 0.95	\$ 2,438,168	2,582	\$ -	\$ 2,438,168	\$ 44,191	\$ (0.17)	\$ (438,000)	\$ 2,000,168	\$ (393,809)	\$ 2,217,794		
Jan-18	\$ 2,318,012	2,244,738	\$ 0.95	\$ 2,152,222	2,562	\$ -	\$ 2,152,222	\$ (165,790)	\$ (0.17)	\$ (388,632)	\$ 1,765,590	\$ (552,422)	\$ 1,665,373		
Feb-18	\$ 2,316,504	2,649,856	\$ 0.95	\$ 2,510,884	2,561	\$ -	\$ 2,510,884	\$ 194,380	\$ (0.17)	\$ (451,063)	\$ 2,059,821	\$ (256,684)	\$ 1,408,689		
Mar-18	\$ 2,312,161	2,434,209	\$ 0.95	\$ 2,343,686	2,563	\$ -	\$ 2,343,686	\$ 31,525	\$ (0.17)	\$ (421,027)	\$ 1,922,659	\$ (389,502)	\$ 1,019,187		
Apr-18	\$ 2,315,846	2,555,401	\$ 0.95	\$ 2,429,607	2,564	\$ -	\$ 2,429,607	\$ 113,761	\$ (0.17)	\$ (436,462)	\$ 1,993,145	\$ (322,702)	\$ 696,485		
May-18	\$ 2,270,076	2,542,035	\$ 0.95	\$ 2,450,185	2,564	\$ -	\$ 2,450,185	\$ 180,109	\$ (0.17)	\$ (440,159)	\$ 2,010,026	\$ (260,050)	\$ 436,434		
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940		
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755		
Aug-18	\$ 75,052	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 2,427,625	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 2,373,514	\$ 2,609,269		
Sep-18	\$ 314,003	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 2,184,008	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 2,129,998	\$ 4,739,267		
Oct-18	\$ 464,357	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 1,701,886	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 1,655,049	\$ 6,394,316		
Nov-18 (est)	\$ 454,056	2,540,450	\$ 0.96	\$ 2,020,218	2,564	\$ -	\$ 2,020,218	\$ 1,566,162	\$ (0.02)	\$ (43,680)	\$ 1,976,538	\$ 1,522,482	\$ 7,916,798		
													Total Recovery E-Factor	\$ 7,916,798	

(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
E-Factor Calculation**

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kW)	C-Factor Rate	C-Factor Revenue ^(b)	NSPL AVE MW	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	E-Factor Revenue ^(b)	Total Collected Revenue ^{(11) = (10) + (7)}	Over/(Under) Recovery ^{(12) = (11) - (1)}	Cumulative Over/(Under) Recovery ⁽¹³⁾	Starting Balance ^(Last Updated)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Balance													\$ 2,611,604	6/15/2018
Dec-17	\$ 2,393,977	2,483,117	\$ 0.95	\$ 2,438,168	2,582	\$ -	\$ 2,438,168	\$ 44,191	\$ (0.17)	\$ (438,000)	\$ 2,000,168	\$ (393,809)	\$ 2,217,794	
Jan-18	\$ 2,318,012	2,244,738	\$ 0.95	\$ 2,152,222	2,562	\$ -	\$ 2,152,222	\$ (165,790)	\$ (0.17)	\$ (386,632)	\$ 1,765,590	\$ (552,422)	\$ 1,665,373	
Feb-18	\$ 2,316,504	2,649,856	\$ 0.95	\$ 2,510,884	2,561	\$ -	\$ 2,510,884	\$ 194,380	\$ (0.17)	\$ (451,063)	\$ 2,059,821	\$ (256,684)	\$ 1,408,689	
Mar-18	\$ 2,312,161	2,434,209	\$ 0.95	\$ 2,343,686	2,563	\$ -	\$ 2,343,686	\$ 31,525	\$ (0.17)	\$ (421,027)	\$ 1,922,659	\$ (389,502)	\$ 1,019,187	
Apr-18	\$ 2,315,846	2,555,401	\$ 0.95	\$ 2,429,607	2,564	\$ -	\$ 2,429,607	\$ 113,761	\$ (0.17)	\$ (436,462)	\$ 1,993,145	\$ (322,702)	\$ 696,485	
May-18	\$ 2,270,076	2,542,035	\$ 0.95	\$ 2,450,185	2,564	\$ -	\$ 2,450,185	\$ 180,109	\$ (0.17)	\$ (440,159)	\$ 2,010,026	\$ (260,050)	\$ 436,434	
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940	
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755	
Aug-18	\$ 1,672,377	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 830,300	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 776,189	\$ 1,011,944	
Sep-18	\$ 1,980,838	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 517,174	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 463,163	\$ 1,475,107	
Oct-18	\$ 2,111,898	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 54,346	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 7,509	\$ 1,482,616	
Nov-18 (est)	\$ 2,110,868	2,540,450	\$ 0.96	\$ 2,020,218	2,564	\$ -	\$ 2,020,218	\$ (90,650)	\$ (0.02)	\$ (43,680)	\$ 1,976,538	\$ (134,330)	\$ 1,348,286	
Total Recovery E-Factor													\$ 1,348,286	

(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
E-Factor Calculation**

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

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ 4,101	6/15/2018
Dec-17	\$ 5,649	15,424,796	\$ 0.00042	\$ 5,787	6	\$ -	\$ 5,787	\$ 139	\$ (0.00005)	\$ (659)	\$ 5,128	\$ (521)	\$ 3,580	
Jan-18	\$ 5,250	14,862,566	\$ 0.00042	\$ 4,952	6	\$ -	\$ 4,952	\$ (297)	\$ (0.00005)	\$ (564)	\$ 4,388	\$ (862)	\$ 2,718	
Feb-18	\$ 5,239	14,393,798	\$ 0.00042	\$ (2,524)	6	\$ -	\$ (2,524)	\$ (7,763)	\$ (0.00005)	\$ 288	\$ (2,237)	\$ (7,475)	\$ (4,757)	
Mar-18	\$ 5,215	14,761,820	\$ 0.00042	\$ (2,394)	6	\$ -	\$ (2,394)	\$ (7,608)	\$ (0.00005)	\$ 273	\$ (2,121)	\$ (7,336)	\$ (12,093)	
Apr-18	\$ 5,214	10,068,025	\$ 0.00042	\$ (2,805)	6	\$ -	\$ (2,805)	\$ (8,019)	\$ (0.00005)	\$ 320	\$ (2,485)	\$ (7,699)	\$ (19,792)	
May-18	\$ 5,108	15,914,380	\$ 0.00042	\$ (2,329)	6	\$ -	\$ (2,329)	\$ (7,437)	\$ (0.00005)	\$ 265	\$ (2,063)	\$ (7,172)	\$ (26,964)	
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)	
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)	
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,692	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (21,135)	
Sep-18	\$ 706	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 9,029	\$ (12,106)	
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (5,761)	
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	\$ (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
E-Factor Calculation**

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

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kWh)	C-Factor Rate	C-Factor Revenue ^(b)	NSPL AVE MW	Working Capital \$0.00 per MW/mo	Adjusted C-Factor Revenue	C-Factor Over/(Under) Recovery	E-Factor Rate	E-Factor Revenue ^(b)	Total Collected Revenue	Over/(Under) Recovery	Cumulative Over/(Under) Recovery	Starting Balance (Last Updated)
	(1)	(2)	(3)	(4)	(5)	(6) = (5) * \$0	(7) = (4) - (6)	(8) = (7) - (1)	(9)	(10)	(11) = (10) + (7)	(12) = (11) - (1)	(13)	
Balance													\$ 4,101	6/15/2018
Dec-17	\$ 5,649	15,424,796	\$ 0.00042	\$ 5,787	6	\$ -	\$ 5,787	\$ 139	\$ (0.00005)	\$ (659)	\$ 5,128	\$ (521)	\$ 3,580	
Jan-18	\$ 5,250	14,862,566	\$ 0.00042	\$ 4,952	6	\$ -	\$ 4,952	\$ (297)	\$ (0.00005)	\$ (564)	\$ 4,388	\$ (862)	\$ 2,718	
Feb-18	\$ 5,239	14,393,798	\$ 0.00042	\$ (2,524)	6	\$ -	\$ (2,524)	\$ (7,763)	\$ (0.00005)	\$ 288	\$ (2,237)	\$ (7,475)	\$ (4,757)	
Mar-18	\$ 5,215	14,761,820	\$ 0.00042	\$ (2,394)	6	\$ -	\$ (2,394)	\$ (7,608)	\$ (0.00005)	\$ 273	\$ (2,121)	\$ (7,336)	\$ (12,093)	
Apr-18	\$ 5,214	10,068,025	\$ 0.00042	\$ (2,805)	6	\$ -	\$ (2,805)	\$ (8,019)	\$ (0.00005)	\$ 320	\$ (2,485)	\$ (7,699)	\$ (19,792)	
May-18	\$ 5,108	15,914,380	\$ 0.00042	\$ (2,329)	6	\$ -	\$ (2,329)	\$ (7,437)	\$ (0.00005)	\$ 265	\$ (2,063)	\$ (7,172)	\$ (26,964)	
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)	
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)	
Aug-18	\$ 3,765	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,692	\$ 927	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 4,419	\$ (24,732)	
Sep-18	\$ 4,456	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 1,125	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 5,279	\$ (19,453)	
Oct-18	\$ 4,751	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ (514)	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 2,639	\$ (16,814)	
Nov-18 (est)	\$ 4,752	15,003,817	\$ 0.00035	\$ 2,844	6	\$ -	\$ 2,844	\$ (1,908)	\$ 0.00026	\$ 2,116	\$ 4,960	\$ 208	\$ (16,606)	
Total Recovery E-Factor													\$ (16,606)	

(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.

Non-Bypassable Transmission		Forecasted: Dec 18-\$	Forecasted: Jan 19-\$	Forecasted: Feb 19-\$	Forecasted: Mar 19-\$	Forecasted: Apr 19-\$	Forecasted: May 19-\$	Forecasted: Total	6 mo Average
Transm Enhancement (non-PECO zone RTEP)		\$ 4,330,891	\$ 4,330,891	\$ 4,330,891	\$ 4,330,891	\$ 4,330,891	\$ 4,359,737	\$ 26,014,190	\$ 4,335,698
Transm Enhancement (PECO zone RTEP)		\$ 1,865,562	\$ 1,865,562	\$ 1,865,562	\$ 1,865,562	\$ 1,865,562	\$ 1,865,562	\$ 11,193,371	\$ 1,865,562
RTEP "Transitional Period" Settlement (EL05-121-009)		\$ (2,869,082)	\$ (2,858,487)	\$ (2,863,785)	\$ (2,837,299)	\$ (2,826,705)	\$ (2,816,111)	\$ (17,071,468)	\$ (2,845,245)
RTEP "Black Box" Settlement (EL05-121-009)		\$ (2,353,441)	\$ (2,347,092)	\$ (2,350,266)	\$ (2,334,394)	\$ (2,328,045)	\$ (2,321,696)	\$ (14,034,934)	\$ (2,339,156)
PECO 2007-2010 RTEP "Black Box" Credit Retention (EL05-121-009)	\$ 5,500,000	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 2,750,000	\$ 458,333
Expansion Recovery Cost (Schedule 13) Payments ended in 2015.		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Generation Deactivation		\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 126,000	\$ 21,000
Total Cost		\$ 1,453,264	\$ 1,470,207	\$ 1,461,735	\$ 1,504,093	\$ 1,521,036	\$ 1,566,825	\$ 8,977,159	\$ 1,496,193
NBT Costs									
NBT 1	45.82%	\$ 665,946	\$ 673,710	\$ 669,828	\$ 689,238	\$ 697,002	\$ 717,985	\$ 4,113,708	\$ 685,618
NBT 2	22.71%	\$ 330,065	\$ 333,913	\$ 331,989	\$ 341,609	\$ 345,457	\$ 355,857	\$ 2,038,889	\$ 339,815
NBT 3	31.39%	\$ 456,226	\$ 461,545	\$ 458,885	\$ 472,183	\$ 477,502	\$ 491,877	\$ 2,818,217	\$ 469,703
NBT 4	0.07%	\$ 1,027	\$ 1,039	\$ 1,033	\$ 1,063	\$ 1,075	\$ 1,107	\$ 6,345	\$ 1,057
	100%								

NSPL Allocation supporting NBT Costs	
Actuals from 12/2017 Forward	NSPL Total
- NBT 1	18,713
- NBT 2	9,275
- NBT 3	12,820
- NBT 4	29
Total	40,838
- NBT 1 Share of Total	45.82%
- NBT 2 Share of Total	22.71%
- NBT 3 Share of Total	31.39%
- NBT 4 Share of Total	0.07%

Source for Projected Monthly Expense Outside PECO Zone:

PJM Transmission Cost Information Calculator as of 11/1/2018

<http://www.pjm.com/planning/rtep-upgrades-status/cost-allocation-view.aspx>

Projected Annual Expense to be recovered from PECO customers for PECO TO:

\$22,386,742

Generation Deactivation:

PECO assumes PJM will continue collecting for Dominion Generation resources Yorktown 1 and Yorktown 2 thru this period.

FERC # EL05-121-009 Settlement (relates to FERC Order 494)

Based on new PJM cost allocation method for RTEP facilities >=500kV and PJM recast of prior RTEP periods back to 2007

PECO expects "Transitional" refunds thru 6/30/2018 and "Black Box" refunds through 12/31/2025.

PECO is retaining \$5.5M of the "Black Box" refund over twelve months, from 12/2018 through 11/2019.



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DEC 3 - 2019

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU



An Exelon Company

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

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Fax 215 841.6208
www.peco.com
dick.webster@peco-energy.com

May 15, 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. 13.
Effective June 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 June 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.

Please note the addition of Rate SLC to the NBT Calculation for Street Lighting (Attachment 5), effective July 1, 2019 pursuant to PECO's 2018 electric distribution rate case at Docket No. R-2018-3000164.

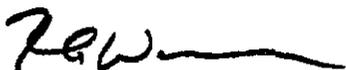
This adjustment to the NBT is the second to reflect the impact of approved Regional Transmission Expansion Plan ("RTEP") credits being refunded to the PECO Zone by PJM, pursuant to the Settlement Agreement under FERC Docket # EL05-121-009. The NBT will continue to reflect RTEP credits that PJM will refund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

As discussed with the Commission in October of 2018, PECO is retaining \$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. Note the Commission initiated a proceeding, see Docket No. M-2018-3005860, in response to several stakeholder interventions regarding the \$5.5 million credit. Similar to PECO's request when filing its prior NBT adjustment, 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
May 15, 2018
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.G.W.", with a long horizontal flourish extending to the right.

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

**Supplement No. 13 to
ELECTRIC PA P.U.C NO. 6**

PECO Energy Company

Electric Service Tariff

COMPANY OFFICE LOCATION

2301 Market Street

Philadelphia, Pennsylvania 19101

For List of Communities Served, See Page 4.

Issued May 15, 2019

Effective June 1, 2019

**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) - 2nd 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 - 3rd - Revised Page No. 49

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

Rate RH - Residential Heating Service - 3rd Revised Page No. 50

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

Rate GS - General Service - 3rd Revised Page No. 54

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

Rate SL-E Street Lighting Customer Owned Facilities - 2nd Revised Page No. 63

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

Rate SL-C Smart Lighting Control Lighting Customer Owned Facilities - 2nd Revised Page No. 65

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 - 2nd Revised Page No. 68

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

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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= \$.00083 per kilowatthour

RH= \$.00083 per kilowatthour

Small C&I = \$0.30 per billed kW

Large C&I = \$0.27 per kW based on the PJM PLC

Street Lighting = \$ 00002 per kilowatt hour

(I)

(I)

(I)

(I)

(D)

(D) Denotes Decrease

(I) Denotes Increase

PECO Energy Company

Supersedes Second Revised Page No 49

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 \$0.06475 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

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.

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)

\$0.06475 per kWh for all kWh.

(I)

WINTER MONTHS. (October through May)

\$0.04798 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

PECO Energy Company**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

- \$7.93 per kW of billed demand
- (\$0.0006) per kWh for all kWh

(1)

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.

(1) - Denotes Increase

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: \$6.68 per Service Location (as defined below) *
VARIABLE DISTRIBUTION CHARGE: \$0.01696 per kWh (D)

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.

(D) Denotes Decrease

Issued May 15, 2019

Effective June 1, 2019

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: \$5.66 per Service Location (as defined below)
 VARIABLE DISTRIBUTION CHARGE: \$0.03213 per kWh (D)

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.

(D) Denotes Decrease

PECO Energy CompanySupersedes First Revised Page No. 68**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 67 PER LOCATION

VARIABLE DISTRIBUTION SERVICE CHARGE: \$0.01625 per kWh (as defined below)*

*The Variable Distribution charge includes an Energy Efficiency Program Surcharge of \$0.00047 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), 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

Standard.

(D) Denotes Decrease

Supplement No. 13 to
ELECTRIC PA P.U.C NO. 6

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PECO Energy Company

Electric Service Tariff

COMPANY OFFICE LOCATION

**2301 Market Street
Philadelphia, Pennsylvania 19101**

For List of Communities Served, See Page 4.

Issued May 15, 2019

Effective June 1, 2019

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

NOTICE

PECO Energy Company

Supplement No. 13 to
 Tariff Electric Pa. P.U.C. No. 8
 Thirteenth Revised Page No. 2
 Supersedes Twelfth Revised Page No. 2

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PECO Energy Company

Supplement No. 13 to
 Tariff Electric Ps. P.U.C. No. 8
 Second Revised Page No. 43
 Supersedes First Revised Page No. 43

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-2014-2409382

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-2014-2409382

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 = \$ 00061 per kilowatthour (I)
 RH = \$ 00083 per kilowatthour (II)
 Small C&I = \$0.30 per billed kW (III)
 Large C&I = \$0.27 per kW based on the PJM PLC (II)
 Street Lighting = \$ 00002 per kilowatt hour (ID)

(I) Denotes Decrease

(II) Denotes Increase

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PECO Energy Company

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 half 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; (f) 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 \$0.06475 per 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

PAYMENT TERMS Standard

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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.

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)

\$0.06475 per kWh for all kWh

WINTER MONTHS (October through May)

\$0.04798 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-GR 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

- \$7.83 per kW of billed demand (i)
- (\$0.0008) per kWh for all kWh

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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PECO Energy Company

RATE SCHEDULE 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 \$6.66 per Service Location (as defined below)
 VARIABLE DISTRIBUTION CHARGE \$0.01896 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 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 = 341.1 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.

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PECO Energy Company

RATE SL-C SMART LIGHTING CONTROL LIGHTING CUSTOMER OWNED FACILITIES

AVAILABILITY

Any governments 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	\$5.66 per Service Location (as defined below)
VARIABLE DISTRIBUTION CHARGE	\$0.03213 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 = 341.1 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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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 \$3.67 PER LOCATION

VARIABLE DISTRIBUTION SERVICE CHARGE \$0.01625 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 - Electric
June 2019 Non-Bypassable Transmission Charge (NBT)
Semi-Annual Rate Calculation

NBT 1: Rates R, RH

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 10,254,345	\$0.00152	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ 4,846,300	\$0.00072	p. 3 of 4
b. Interest	\$ 134,729	\$0.00002	p. 4 of 4
	<u> </u>		
	\$ 4,981,029	\$0.00074	
(3) Net Recoverable (C - E)	\$ 5,273,316	\$0.00078	
(4) S = Projected Sales (kWh) for Computation Period	6,764,101,969		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) NBT = [(C+E+I)/S]/(1-T)	\$0.00083		

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

NBT 1: Rates R, RH

C-Factor Month	Projected Transmission Costs ^(a) (1)	Projected Sales (kWh) (2)
Jun-19 (est) \$	640,002	1,010,829,136
Jul-19 (est) \$	1,919,695	1,342,965,887
Aug-19 (est) \$	1,923,662	1,439,759,360
Sep-19 (est) \$	1,923,662	1,194,254,392
Oct-19 (est) \$	1,923,662	900,103,211
Nov-19 (est) \$	1,923,662	876,190,002
Total \$	10,254,345	6,764,101,969

Estimated Recovery C-Factor \$0.00152 per kWh

*(a) Projected costs account for estimated net refund
per FERC # EL05-121-009 Settlement
over the period 6/1/19-11/30/2019: \$ (6,322,018.97)*

**PECO - June 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 ^(a) (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
Balance								\$	64,556
Jun-18	1,014,619,014	\$ (156,175)	6%	9/12	\$ (7,028)	\$ (0.00001)	\$ (11,704)	\$ (18,731)	\$ 45,825
Jul-18	1,397,738,875	\$ 1,219,929	6%	8/12	\$ 48,797	\$ (0.00001)	\$ (16,772)	\$ 32,025	\$ 77,849
Aug-18	1,450,945,593	\$ 4,616,701	6%	7/12	\$ 161,585	\$ (0.00001)	\$ (17,415)	\$ 144,169	\$ 222,018
Sep-18	1,422,280,375	\$ 4,175,637	6%	6/12	\$ 125,269	\$ (0.00001)	\$ (17,075)	\$ 108,194	\$ 330,213
Oct-18	991,186,851	\$ 2,550,186	6%	5/12	\$ 63,755	\$ (0.00001)	\$ (11,896)	\$ 51,859	\$ 382,071
Nov-18	910,689,634	\$ 2,480,980	6%	4/12	\$ 49,620	\$ (0.00001)	\$ (10,925)	\$ 38,695	\$ 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 (est)	1,136,237,999	\$ (34,187)	6%	4/12	\$ (683)	\$ (0.00006)	\$ (44,053)	\$ (44,736)	\$ 134,729
								Net Interest \$	<u>134,729</u>

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

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

NBT 2: Rate GS

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 5,134,891	\$0.44	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ 1,764,262	\$0.15	p. 3 of 4
b. Interest	\$ 44,602	\$0.00	p. 4 of 4
	<u>\$ 1,808,864</u>	\$0.15	
(3) Net Recoverable (C - E)	\$ 3,326,027	\$0.28	
(4) S = Projected Sales (kW) for Computation Period	11,715,804		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) NBT = [(C+E+I)/S]/(1-T)	\$0.30		

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

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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													\$ 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	\$ 109,517	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	\$ 483,760	910,689,634	\$ 0.00326	\$ 2,964,740	3,751	\$ -	\$ 2,964,740	\$ 2,480,980	\$ (0.00028)	\$ (252,593)	\$ 2,712,147	\$ 2,228,387	\$ 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	\$ 408,565	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)	\$ (1,985,040)	\$ 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 (est)	\$ 474,192	1,136,237,999	\$ 0.00061	\$ 440,025	3,860	\$ -	\$ 440,025	\$ (34,167)	\$ (0.00197)	\$ (1,431,102)	\$ (991,077)	\$ (1,465,269)	\$ 4,846,300
Total Recovery E-Factor													\$ <u>4,846,300</u>

(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 - June 2019
NBT
C-Factor Calculation**

NBT 2: Rate GS

C-Factor Month	Projected Transmission Costs ^(a) (1)	Projected Sales (kW) (2)
Jun-19 (est) \$	320,483	1,973,174
Jul-19 (est) \$	961,292	2,104,066
Aug-19 (est) \$	963,279	2,185,446
Sep-19 (est) \$	963,279	1,991,673
Oct-19 (est) \$	963,279	1,769,697
Nov-19 (est) \$	963,279	1,691,748
Total \$	5,134,891	11,715,804

Estimated Recovery C-Factor \$0.44 per kW

*(a) Projected costs account for estimated net refund
per FERC # EL05-121-009 Settlement
over the period 6/1/19-11/30/2019: \$ (3,165,767.68)*

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

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a) (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													\$ 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	\$ 239,051	1,651,642	\$ 0.91	\$ 1,880,839	1,854	\$ -	\$ 1,880,839	\$ 1,641,788	\$ (0.11)	\$ (228,897)	\$ 1,651,942	\$ 1,412,891	\$ 7,634,984
Dec-18	\$ 251,761	1,803,223	\$ 0.18	\$ (177,067)	1,855	\$ -	\$ (177,067)	\$ (428,827)	\$ (0.66)	\$ 652,311	\$ 475,244	\$ 223,484	\$ 7,858,468
Jan-19	\$ 205,567	2,107,561	\$ 0.18	\$ 409,369	1,966	\$ -	\$ 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	1,966	\$ -	\$ 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	1,965	\$ -	\$ 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	1,966	\$ -	\$ 366,954	\$ 151,571	\$ (0.66)	\$ (1,351,853)	\$ (984,898)	\$ (1,200,282)	\$ 2,948,160
May-19 (est)	\$ 236,946	1,936,295	\$ 0.18	\$ 352,816	1,929	\$ -	\$ 352,816	\$ 115,870	\$ (0.66)	\$ (1,299,768)	\$ (946,952)	\$ (1,183,897)	\$ 1,764,262

(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.

Total Recovery E-Factor \$ 1,764,262

**PECO - June 2019
NBT
Interest Calculation**

NBT 2: Rate GS

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									\$ 49,459
Jun-18	1,986,924	\$ (41,600)	6%	9/12	\$ (1,872)	\$ (0.00)	\$ (7,635)	\$ (9,507)	\$ 39,951
Jul-18	2,050,527	\$ 528,090	6%	8/12	\$ 21,124	\$ (0.00)	\$ (10,327)	\$ 10,797	\$ 50,748
Aug-18	2,089,410	\$ 2,105,818	6%	7/12	\$ 73,704	\$ (0.00)	\$ (10,225)	\$ 63,478	\$ 114,226
Sep-18	2,181,146	\$ 2,017,004	6%	6/12	\$ 60,510	\$ (0.00)	\$ (10,622)	\$ 49,888	\$ 164,115
Oct-18	1,866,353	\$ 1,823,167	6%	5/12	\$ 40,579	\$ (0.00)	\$ (9,271)	\$ 31,308	\$ 195,423
Nov-18	1,651,642	\$ 1,641,788	6%	4/12	\$ 32,836	\$ (0.00)	\$ (8,903)	\$ 23,933	\$ 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	1,775,893	\$ 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 (est)	1,936,295	\$ 115,870	6%	4/12	\$ 2,317	\$ (0.02)	\$ (37,545)	\$ (35,228)	\$ 44,602
								Net Interest	\$ <u>44,602</u>

(a) Interest Revenues are allocated on a percentage basis

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

NBT 3: Rates HT, PD, EP

		Amount	\$/kWh	
(1)	C = Projected Recoverable Transmission Costs	\$ 7,135,380	\$0.46	p. 2 of 4
(2)	E = Experienced & Estimated Net Over/(Under)			
	a. Over/(Under)	\$ 3,128,599	\$0.20	p. 3 of 4
	b. Interest	<u>\$ 69,325</u>	\$0.00	p. 4 of 4
		\$ 3,197,924	\$0.21	
(3)	Net Recoverable (C - E)	\$ 3,937,456	\$0.25	
(4)	S = Projected PLC Sales (kW) for Computation Period	15,529,106		
(5)	T = Pennsylvania gross receipts tax rate	5.90%		
(6)	NBT = [(C+E+I)/S]/(1-T)	\$0.27		

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

NBT 3: Rates HT, PD, EP

C-Factor Month	Projected Transmission Costs ^(a) (1)	Projected PLC Sales (kW) (2)
Jun-19 (est) \$	445,339	2,588,184
Jul-19 (est) \$	1,335,800	2,588,184
Aug-19 (est) \$	1,338,560	2,588,184
Sep-19 (est) \$	1,338,560	2,588,184
Oct-19 (est) \$	1,338,560	2,588,184
Nov-19 (est) \$	1,338,560	2,588,184
Total \$	7,135,380	15,529,106

Estimated Recovery C-Factor \$0.46 per kW

*(a) Projected costs account for estimated net refund
per FERC # EL05-121-009 Settlement
over the period 6/1/19-11/30/2019: \$ (4,399,111.16)*

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

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a) (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													\$ 436,434
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755
Aug-18	\$ 75,052	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 2,427,625	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 2,373,514	\$ 2,609,269
Sep-18	\$ 314,003	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 2,184,008	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 2,129,998	\$ 4,739,267
Oct-18	\$ 464,357	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 1,701,886	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 1,655,049	\$ 6,394,316
Nov-18	\$ 330,935	2,175,513	\$ 0.96	\$ 2,107,105	2,566	\$ -	\$ 2,107,105	\$ 1,776,170	\$ (0.02)	\$ (45,558)	\$ 2,061,547	\$ 1,730,612	\$ 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)	\$ (1,235,607)	\$ 4,457,407
May-19 (est)	\$ 329,059	2,440,080	\$ 0.19	\$ 552,607	2,678	\$ -	\$ 552,607	\$ 223,548	\$ (0.53)	\$ (1,552,356)	\$ (999,749)	\$ (1,328,808)	\$ 3,128,599
Total Recovery E-Factor													\$ 3,128,599

(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 - June 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)
Balance									\$ 9,956
Jun-18	2,185,507	\$ (262,830)	6%	9/12	\$ (11,827)	\$ (0.00)	\$ (1,066)	\$ (12,894)	\$ (2,937)
Jul-18	2,482,563	\$ 158,599	6%	8/12	\$ 6,344	\$ (0.00)	\$ (1,289)	\$ 5,055	\$ 2,118
Aug-18	2,593,177	\$ 2,427,625	6%	7/12	\$ 84,967	\$ (0.00)	\$ (1,321)	\$ 83,646	\$ 85,763
Sep-18	2,590,611	\$ 2,184,008	6%	6/12	\$ 65,520	\$ (0.00)	\$ (1,319)	\$ 64,201	\$ 149,965
Oct-18	2,240,870	\$ 1,701,886	6%	5/12	\$ 42,547	\$ (0.00)	\$ (1,144)	\$ 41,404	\$ 191,368
Nov-18	2,175,513	\$ 1,776,170	6%	4/12	\$ 35,523	\$ (0.00)	\$ (1,112)	\$ 34,411	\$ 225,779
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 (est)	2,440,080	\$ 223,548	6%	4/12	\$ 4,471	\$ (0.01)	\$ (43,457)	\$ (38,986)	\$ 69,325
								Net Interest \$	<u>69,325</u>

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

PECO - Electric
June 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.*

	Amount	\$/kWh	
(1) C = Projected Recoverable Transmission Costs	\$ 15,055	\$0.00016	p. 2 of 4
(2) E = Experienced & Estimated Net Over/(Under)			
a. Over/(Under)	\$ 12,979	\$0.00014	p. 3 of 4
b. Interest	\$ 474	\$0.00000	p. 4 of 4
	<hr style="width: 100px; margin-left: 0;"/> \$ 13,453	\$0.00014	
(3) Net Recoverable (C - E)	\$ 1,603	\$0.00002	
(4) S = Projected Sales (kWh) for Computation Period	95,209,774		
(5) T = Pennsylvania gross receipts tax rate	5.90%		
(6) TSC = $[(C+E+I)/S]/(1-T)$	\$0.00002		

**PECO - June 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 ^(a) (1)	Sales (kWh) (2)
Jun-19 (est) \$	940	13,307,516
Jul-19 (est) \$	2,819	17,491,611
Aug-19 (est) \$	2,824	16,700,889
Sep-19 (est) \$	2,824	18,065,163
Oct-19 (est) \$	2,824	14,144,659
Nov-19 (est) \$	<u>2,824</u>	<u>15,499,935</u>
Total \$	15,055	95,209,774

Estimated Recovery C-Factor \$0.00016 per kWh

(a) Projected costs account for estimated net refund

per FERC # EL05-121 009 Settlement

over the period 6/1/19-11/30/2019: \$ (9,282.02)

**PECO - June 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 ^(a) (1)	Actual Sales (kWh) (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													\$ (28,964)
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,882	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (21,135)
Sep-18	\$ 706	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 8,029	\$ (12,106)
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (5,761)
Nov-18	\$ 744	15,170,848	\$ 0.00035	\$ 6,006	6	\$ -	\$ 5,006	\$ 4,261	\$ 0.00026	\$ 3,726	\$ 8,731	\$ 7,987	\$ 2,228
Dec-18	\$ 784	14,483,787	\$ 0.00007	\$ 5,727	6	\$ -	\$ 5,727	\$ 4,944	\$ 0.00002	\$ 1,546	\$ 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	14,693,317	\$ 0.00007	\$ 1,119	6	\$ -	\$ 1,119	\$ 524	\$ 0.00002	\$ 322	\$ 1,441	\$ 846	\$ 10,323
Mar-19	\$ 813	14,904,323	\$ 0.00007	\$ 1,134	6	\$ -	\$ 1,134	\$ 520	\$ 0.00002	\$ 326	\$ 1,460	\$ 846	\$ 11,169
Apr-19	\$ 824	15,087,267	\$ 0.00007	\$ 1,183	6	\$ -	\$ 1,183	\$ 559	\$ 0.00002	\$ 340	\$ 1,523	\$ 899	\$ 12,068
May-19 (est)	\$ 702	14,875,822	\$ 0.00007	\$ 1,252	6	\$ -	\$ 1,252	\$ 551	\$ 0.00002	\$ 380	\$ 1,612	\$ 911	\$ 12,979
												Total Recovery E-Factor	\$ 12,979

(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 - June 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 ^(a) (7)	Total Interest Owed/ (Interest Recouped) (8) = (5) + (7)	Cumulative Interest Owed/ (Interest Recouped) (9)
Balance									\$ (729)
Jun-18	15,798,664	\$ (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	15,170,848	\$ 4,261	6%	4/12	\$ 85	\$ 0.00001	\$ 104	\$ 189	\$ (11)
Dec-18	14,483,787	\$ 4,944	6%	9/12	\$ 222	\$ 0.00000	\$ 95	\$ 317	\$ 306
Jan-19	14,935,391	\$ 382	6%	8/12	\$ 15	\$ 0.00000	\$ 16	\$ 31	\$ 337
Feb-19	14,693,317	\$ 524	6%	7/12	\$ 18	\$ 0.00000	\$ 19	\$ 37	\$ 374
Mar-19	14,904,323	\$ 520	6%	6/12	\$ 16	\$ 0.00000	\$ 19	\$ 34	\$ 409
Apr-19	15,067,267	\$ 559	6%	5/12	\$ 14	\$ 0.00000	\$ 20	\$ 34	\$ 442
May-19 (est)	14,875,822	\$ 551	6%	4/12	\$ 11	\$ 0.00000	\$ 21	\$ 32	\$ 474
								Net Interest	\$ 474

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



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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Post-2010 PJM Bill Adjustments, E-Factor Component, Supplement No. 13

Tariff Rate Class	Allocation of Monthly NSPL Average MW					
	Dec-18 (for Nov)	Jan-19 (for Dec)	Feb-19 (for Jan)	March-19 (for Feb)	April-19 (for March)	May-19 (est - for April)
GS	22.7%	22.8%	22.8%	22.8%	22.8%	22.8%
RH	5.6%	5.8%	5.8%	5.8%	5.8%	5.7%
SLE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
R	40.3%	39.6%	39.6%	39.6%	39.6%	39.8%
PD	1.0%	1.0%	1.0%	1.0%	0.9%	1.0%
POL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HT	29.2%	29.6%	29.6%	29.6%	29.6%	29.5%
SLS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
TL	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
AL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
EP	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%

	Dec-18 (for Nov)	Jan-19 (for Dec)	Feb-19 (for Jan)	March-19 (for Feb)	April-19 (for March)	May-19 (est - for April)	Totals
RTEP "Transitional Period" Settlement (EL05-121-009)	\$ (2,869,081.64)	\$ (2,858,487.46)	\$ (2,867,308.82)	\$ (2,839,648.62)	\$ (2,828,584.54)	\$ (2,819,250.55)	\$ (17,082,361.63)
Projected (Supplement 76)	\$ (2,869,081.64)	\$ (2,858,487.46)	\$ (2,863,784.55)	\$ (2,837,299.10)	\$ (2,826,704.92)	\$ (2,816,110.74)	\$ (17,071,468.41)
Variance for E-Factor	\$ -	\$ -	\$ (3,524.27)	\$ (2,349.52)	\$ (1,879.62)	\$ (3,139.81)	\$ (10,893.22)
NBT 1 (R, RH)	\$ -	\$ -	\$ (1,599.50)	\$ (1,067.14)	\$ (854.09)	\$ (1,430.37)	\$ (4,951.10)
NBT 2 (GS)	\$ -	\$ -	\$ (803.84)	\$ (535.70)	\$ (428.54)	\$ (714.73)	\$ (2,482.81)
NBT 3 (HT, PD, EP)	\$ -	\$ -	\$ (1,118.61)	\$ (745.13)	\$ (595.75)	\$ (992.59)	\$ (3,452.08)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ -	\$ -	\$ (2.32)	\$ (1.55)	\$ (1.24)	\$ (2.12)	\$ (7.23)
Check	\$ -	\$ -	\$ (3,524.27)	\$ (2,349.52)	\$ (1,879.62)	\$ (3,139.81)	\$ (10,893.22)

	Dec-18 (for Nov)	Jan-19 (for Dec)	Feb-19 (for Jan)	March-19 (for Feb)	April-19 (for March)	May-19 (est - for April)	Totals
RTEP "Black Box" Settlement (EL05-121-009)	\$ (2,353,440.52)	\$ (2,347,091.66)	\$ (2,352,378.11)	\$ (2,335,801.95)	\$ (2,329,171.49)	\$ (2,323,577.84)	\$ (14,041,461.57)
Projected (Supplement 76)	\$ (2,353,440.52)	\$ (2,347,091.66)	\$ (2,350,266.09)	\$ (2,334,393.94)	\$ (2,328,045.08)	\$ (2,321,696.22)	\$ (14,034,933.51)
Variance for E-Factor	\$ -	\$ -	\$ (2,112.02)	\$ (1,408.01)	\$ (1,126.41)	\$ (1,881.62)	\$ (6,528.06)
NBT 1 (R, RH)	\$ -	\$ -	\$ (958.55)	\$ (639.51)	\$ (511.83)	\$ (857.19)	\$ (2,967.08)
NBT 2 (GS)	\$ -	\$ -	\$ (481.72)	\$ (321.03)	\$ (256.81)	\$ (428.32)	\$ (1,487.89)
NBT 3 (HT, PD, EP)	\$ -	\$ -	\$ (670.36)	\$ (446.54)	\$ (357.02)	\$ (594.84)	\$ (2,068.75)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ -	\$ -	\$ (1.39)	\$ (0.93)	\$ (0.74)	\$ (1.27)	\$ (4.33)
Check	\$ -	\$ -	\$ (2,112.02)	\$ (1,408.01)	\$ (1,126.41)	\$ (1,881.62)	\$ (6,528.06)

Total RTEP Credit by Group	Dec-18 (for Nov)	Jan-19 (for Dec)	Feb-19 (for Jan)	March-19 (for Feb)	April-19 (for March)	May-19 (est - for April)	Totals	Check
NBT 1 (R, RH)	\$ -	\$ -	\$ (2,558.05)	\$ (1,706.65)	\$ (1,365.92)	\$ (2,287.56)	\$ (7,918.18)	\$ (7,918.18)
NBT 2 (GS)	\$ -	\$ -	\$ (1,285.56)	\$ (856.73)	\$ (685.36)	\$ (1,143.06)	\$ (3,970.70)	\$ (3,970.70)
NBT 3 (HT, PD, EP)	\$ -	\$ -	\$ (1,788.98)	\$ (1,191.67)	\$ (952.76)	\$ (1,587.42)	\$ (5,520.83)	\$ (5,520.83)
NBT 4 (SLE, POL, SLS, TL, AL)	\$ -	\$ -	\$ (3.71)	\$ (2.48)	\$ (1.98)	\$ (3.38)	\$ (11.56)	\$ (11.56)
							\$ (17,421.28)	

NOI Update - 9/19/2011

Category	Item	Unit	Rate	Quantity	Value	Category	Item	Unit	Rate	Quantity	Value	Category	Item	Unit	Rate	Quantity	Value	Category	Item	Unit	Rate	Quantity	Value
General	1000	1000	1.00	1000	1000.00	1000	1000	1000	1.00	1000	1000.00	1000	1000	1000	1.00	1000	1000.00	1000	1000	1000	1.00	1000	1000.00
	2000	2000	2.00	2000	4000.00	2000	2000	2000	2.00	2000	4000.00	2000	2000	2000	2.00	2000	4000.00	2000	2000	2000	2.00	2000	4000.00
	3000	3000	3.00	3000	9000.00	3000	3000	3000	3.00	3000	9000.00	3000	3000	3000	3.00	3000	9000.00	3000	3000	3000	3.00	3000	9000.00
	4000	4000	4.00	4000	16000.00	4000	4000	4000	4.00	4000	16000.00	4000	4000	4000	4.00	4000	16000.00	4000	4000	4000	4.00	4000	16000.00
	5000	5000	5.00	5000	25000.00	5000	5000	5000	5.00	5000	25000.00	5000	5000	5000	5.00	5000	25000.00	5000	5000	5000	5.00	5000	25000.00
	6000	6000	6.00	6000	36000.00	6000	6000	6000	6.00	6000	36000.00	6000	6000	6000	6.00	6000	36000.00	6000	6000	6000	6.00	6000	36000.00
	7000	7000	7.00	7000	49000.00	7000	7000	7000	7.00	7000	49000.00	7000	7000	7000	7.00	7000	49000.00	7000	7000	7000	7.00	7000	49000.00
	8000	8000	8.00	8000	64000.00	8000	8000	8000	8.00	8000	64000.00	8000	8000	8000	8.00	8000	64000.00	8000	8000	8000	8.00	8000	64000.00
	9000	9000	9.00	9000	81000.00	9000	9000	9000	9.00	9000	81000.00	9000	9000	9000	9.00	9000	81000.00	9000	9000	9000	9.00	9000	81000.00
	10000	10000	10.00	10000	100000.00	10000	10000	10000	10.00	10000	100000.00	10000	10000	10000	10.00	10000	100000.00	10000	10000	10000	10.00	10000	100000.00
...

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

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ 954,092	12/15/2018
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	\$ 109,517	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	\$ 483,760	910,689,634	\$ 0.00326	\$ 2,964,740	3,751	\$ -	\$ 2,964,740	\$ 2,480,980	\$ (0.00028)	\$ (252,593)	\$ 2,712,147	\$ 2,228,387	\$ 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 (est)	\$ 474,192	1,136,237,999	\$ 0.00061	\$ 440,025	3,860	\$ -	\$ 440,025	\$ (34,167)	\$ (0.00197)	\$ (1,431,102)	\$ (991,077)	\$ (1,465,269)	\$ 4,846,300	
Total Recovery E-Factor													\$ 4,846,300	

(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 - June 2019
NBT
E-Factor Calculation**

NBT 1: Rates R, RH

E-Factor Period	Actual NBT Costs ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ 954,092	12/16/2018
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	\$ 109,517	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	\$ 483,760	910,689,634	\$ 0.00326	\$ 2,964,740	3,751	\$ -	\$ 2,964,740	\$ 2,480,980	\$ (0.00028)	\$ (252,593)	\$ 2,712,147	\$ 2,228,387	\$ 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	\$ 413,054	1,313,879,327	\$ 0.00061	\$ 792,177	3,912	\$ -	\$ 792,177	\$ 379,123	\$ (0.00197)	\$ (2,576,416)	\$ (1,784,239)	\$ (2,197,293)	\$ 9,905,829	
Mar-19	\$ 423,640	1,137,162,861	\$ 0.00061	\$ 685,118	3,915	\$ -	\$ 685,118	\$ 281,478	\$ (0.00197)	\$ (2,228,225)	\$ (1,543,107)	\$ (1,966,747)	\$ 7,939,083	
Apr-19	\$ 430,628	887,424,700	\$ 0.00061	\$ 533,900	3,919	\$ -	\$ 533,900	\$ 103,273	\$ (0.00197)	\$ (1,736,416)	\$ (1,202,516)	\$ (1,633,144)	\$ 6,305,939	
May-19 (est)	\$ 476,480	1,136,237,999	\$ 0.00061	\$ 440,025	3,860	\$ -	\$ 440,025	\$ (36,455)	\$ (0.00197)	\$ (1,431,102)	\$ (991,077)	\$ (1,467,557)	\$ 4,838,382	
													Total Recovery E-Factor \$ 4,838,382	

(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 - June 2019
NBT
E-Factor Calculation**

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a) (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)	Starting Balance (Last Updated)
Balance													\$ 1,225,734	12/15/2018
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	\$ 239,051	1,651,642	\$ 0.91	\$ 1,880,839	1,854	\$ -	\$ 1,880,839	\$ 1,641,788	\$ (0.11)	\$ (228,897)	\$ 1,651,942	\$ 1,412,891	\$ 7,634,984	
Dec-18	\$ 251,761	1,803,223	\$ 0.18	\$ (177,067)	1,855	\$ -	\$ (177,067)	\$ (428,827)	\$ (0.66)	\$ 652,311	\$ 475,244	\$ 223,484	\$ 7,858,468	
Jan-19	\$ 205,567	2,107,561	\$ 0.18	\$ 409,369	1,966	\$ -	\$ 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	1,966	\$ -	\$ 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	1,965	\$ -	\$ 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	1,966	\$ -	\$ 366,954	\$ 151,571	\$ (0.66)	\$ (1,351,853)	\$ (984,898)	\$ (1,200,282)	\$ 2,948,160	
May-19 (est)	\$ 236,946	1,936,295	\$ 0.18	\$ 352,816	1,929	\$ -	\$ 352,816	\$ 115,870	\$ (0.66)	\$ (1,299,768)	\$ (946,952)	\$ (1,183,897)	\$ 1,764,262	

Total Recovery E-Factor \$ 1,764,262

(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 - June 2019
NBT
E-Factor Calculation**

NBT 2: Rate GS

E-Factor Period	Actual NBT Costs ^(a) (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)	Starting Balance (Last Updated)
Balance													\$ 1,225,734	12/15/2018
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	\$ 239,051	1,651,642	\$ 0.91	\$ 1,880,839	1,854	\$ -	\$ 1,880,839	\$ 1,641,788	\$ (0.11)	\$ (228,897)	\$ 1,651,942	\$ 1,412,891	\$ 7,634,984	
Dec-18	\$ 251,761	1,803,223	\$ 0.18	\$ (177,067)	1,855	\$ -	\$ (177,067)	\$ (428,827)	\$ (0.66)	\$ 652,311	\$ 475,244	\$ 223,484	\$ 7,858,468	
Jan-19	\$ 205,567	2,107,561	\$ 0.18	\$ 409,369	1,966	\$ -	\$ 409,369	\$ 203,802	\$ (0.66)	\$ (1,508,108)	\$ (1,098,739)	\$ (1,304,307)	\$ 6,554,161	
Feb-19	\$ 207,583	1,775,693	\$ 0.18	\$ 352,867	1,966	\$ -	\$ 352,867	\$ 145,284	\$ (0.66)	\$ (1,299,955)	\$ (947,088)	\$ (1,154,671)	\$ 5,399,491	
Mar-19	\$ 212,665	2,206,236	\$ 0.18	\$ 387,680	1,965	\$ -	\$ 387,680	\$ 175,015	\$ (0.66)	\$ (1,428,206)	\$ (1,040,526)	\$ (1,253,191)	\$ 4,146,300	
Apr-19	\$ 216,069	2,073,416	\$ 0.18	\$ 366,954	1,966	\$ -	\$ 366,954	\$ 150,885	\$ (0.66)	\$ (1,351,853)	\$ (984,898)	\$ (1,200,967)	\$ 2,945,332	
May-19 (est)	\$ 238,089	1,936,295	\$ 0.18	\$ 352,816	1,929	\$ -	\$ 352,816	\$ 114,727	\$ (0.66)	\$ (1,299,768)	\$ (946,952)	\$ (1,185,041)	\$ 1,760,292	
											Total Recovery E-Factor		\$ 1,760,292	

(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 - June 2019
NBT
E-Factor Calculation**

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kW)	C-Factor Rate	C-Factor Revenue ^(b)	NSPL AVE MW	Working Capital \$0.00 per MW/mo	Adjusted C-Factor Revenue	C-Factor Over/(Under) Recovery	E-Factor Rate	E-Factor Revenue ^(b)	Total Collected Revenue	Over/(Under) Recovery	Cumulative Over/(Under) Recovery	Starting Balance (Last Updated)
	(1)	(2)	(3)	(4)	(5)	(6) = (5) * \$0	(7) = (4) - (6)	(8) = (7) - (1)	(9)	(10)	(11) = (10) + (7)	(12) = (11) - (1)	(13)	
Balance													\$ 436,434	12/15/2018
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940	
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755	
Aug-18	\$ 75,052	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 2,427,625	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 2,373,514	\$ 2,609,269	
Sep-18	\$ 314,003	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 2,184,008	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 2,129,998	\$ 4,739,267	
Oct-18	\$ 464,357	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 1,701,886	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 1,655,049	\$ 6,394,316	
Nov-18	\$ 330,935	2,175,513	\$ 0.96	\$ 2,107,105	2,566	\$ -	\$ 2,107,105	\$ 1,776,170	\$ (0.02)	\$ (45,558)	\$ 2,061,547	\$ 1,730,612	\$ 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 (est)	\$ 329,059	2,440,080	\$ 0.19	\$ 552,607	2,678	\$ -	\$ 552,607	\$ 223,548	\$ (0.53)	\$ (1,552,356)	\$ (999,749)	\$ (1,328,808)	\$ 3,128,599	
													Total Recovery E-Factor \$ 3,128,599	

(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 - June 2019
NBT
E-Factor Calculation**

NBT 3: Rates PD, HT, EP

E-Factor Period	Actual NBT Costs ^(a)	Actual Sales (kW)	C-Factor Rate	C-Factor Revenue ^(b)	NSPL AVE MW	Working Capital \$0.00 per MW/mo	Adjusted C-Factor Revenue	C-Factor Over/(Under) Recovery	E-Factor Rate	E-Factor Revenue ^(b)	Total Collected Revenue	Over/(Under) Recovery	Cumulative Over/(Under) Recovery	Starting Balance (Last Updated)
	(1)	(2)	(3)	(4)	(5)	(6) = (5) * \$0	(7) = (4) - (6)	(8) = (7) - (1)	(9)	(10)	(11) = (10) + (7)	(12) = (11) - (1)	(13)	
Balance													\$ 436,434	12/15/2018
Jun-18	\$ 2,282,371	2,185,507	\$ 0.96	\$ 2,019,542	2,562	\$ -	\$ 2,019,542	\$ (262,830)	\$ (0.02)	\$ (43,665)	\$ 1,975,876	\$ (306,495)	\$ 129,940	
Jul-18	\$ 2,282,682	2,482,563	\$ 0.96	\$ 2,441,281	2,562	\$ -	\$ 2,441,281	\$ 158,599	\$ (0.02)	\$ (52,784)	\$ 2,388,497	\$ 105,815	\$ 235,755	
Aug-18	\$ 75,052	2,593,177	\$ 0.96	\$ 2,502,678	2,564	\$ -	\$ 2,502,678	\$ 2,427,625	\$ (0.02)	\$ (54,111)	\$ 2,448,566	\$ 2,373,514	\$ 2,609,269	
Sep-18	\$ 314,003	2,590,611	\$ 0.96	\$ 2,498,012	2,566	\$ -	\$ 2,498,012	\$ 2,184,008	\$ (0.02)	\$ (54,010)	\$ 2,444,001	\$ 2,129,998	\$ 4,739,267	
Oct-18	\$ 464,357	2,240,870	\$ 0.96	\$ 2,166,243	2,566	\$ -	\$ 2,166,243	\$ 1,701,886	\$ (0.02)	\$ (46,837)	\$ 2,119,406	\$ 1,655,049	\$ 6,394,316	
Nov-18	\$ 330,935	2,175,513	\$ 0.96	\$ 2,107,105	2,566	\$ -	\$ 2,107,105	\$ 1,776,170	\$ (0.02)	\$ (45,558)	\$ 2,061,547	\$ 1,730,612	\$ 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	\$ 288,870	2,302,036	\$ 0.19	\$ 416,077	2,736	\$ -	\$ 416,077	\$ 127,207	\$ (0.53)	\$ (1,168,824)	\$ (752,746)	\$ (1,041,617)	\$ 6,876,161	
Mar-19	\$ 295,807	2,252,714	\$ 0.19	\$ 491,568	2,734	\$ -	\$ 491,568	\$ 195,761	\$ (0.53)	\$ (1,380,888)	\$ (889,321)	\$ (1,185,128)	\$ 5,691,033	
Apr-19	\$ 300,373	2,738,028	\$ 0.19	\$ 518,025	2,734	\$ -	\$ 518,025	\$ 217,652	\$ (0.53)	\$ (1,455,212)	\$ (937,186)	\$ (1,237,560)	\$ 4,453,473	
May-19 (est)	\$ 330,646	2,440,080	\$ 0.19	\$ 552,607	2,678	\$ -	\$ 552,607	\$ 221,960	\$ (0.53)	\$ (1,552,356)	\$ (999,749)	\$ (1,330,395)	\$ 3,123,078	
													Total Recovery E-Factor \$ 3,123,078	

(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 - June 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 ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ (26,964)	12/15/2018
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)	
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)	
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,692	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (21,135)	
Sep-18	\$ 706	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 9,029	\$ (12,106)	
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (5,761)	
Nov-18	\$ 744	15,170,848	\$ 0.00035	\$ 5,006	6	\$ -	\$ 5,006	\$ 4,261	\$ 0.00026	\$ 3,726	\$ 8,731	\$ 7,987	\$ 2,226	
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	14,693,317	\$ 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 (est)	\$ 702	14,875,822	\$ 0.00007	\$ 1,252	6	\$ -	\$ 1,252	\$ 551	\$ 0.00002	\$ 360	\$ 1,612	\$ 911	\$ 12,979	
Total Recovery E-Factor													\$ 12,979	

(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 - June 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 ^(a) (1)	Actual Sales (kWh) (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)	Starting Balance (Last Updated)
Balance													\$ (26,964)	12/15/2018
Jun-18	\$ 5,142	15,798,654	\$ 0.00035	\$ (387)	6	\$ -	\$ (387)	\$ (5,529)	\$ 0.00026	\$ (288)	\$ (675)	\$ (5,817)	\$ (32,781)	
Jul-18	\$ 5,143	16,216,415	\$ 0.00035	\$ 5,030	6	\$ -	\$ 5,030	\$ (113)	\$ 0.00026	\$ 3,744	\$ 8,774	\$ 3,630	\$ (29,151)	
Aug-18	\$ 169	13,523,553	\$ 0.00035	\$ 4,692	6	\$ -	\$ 4,692	\$ 4,523	\$ 0.00026	\$ 3,492	\$ 8,185	\$ 8,016	\$ (21,135)	
Sep-18	\$ 706	17,917,376	\$ 0.00035	\$ 5,581	6	\$ -	\$ 5,581	\$ 4,875	\$ 0.00026	\$ 4,154	\$ 9,735	\$ 9,029	\$ (12,106)	
Oct-18	\$ 1,045	14,232,798	\$ 0.00035	\$ 4,237	6	\$ -	\$ 4,237	\$ 3,192	\$ 0.00026	\$ 3,153	\$ 7,390	\$ 6,345	\$ (5,761)	
Nov-18	\$ 744	15,170,848	\$ 0.00035	\$ 5,006	6	\$ -	\$ 5,006	\$ 4,261	\$ 0.00026	\$ 3,726	\$ 8,731	\$ 7,987	\$ 2,226	
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	\$ 599	14,693,317	\$ 0.00007	\$ 1,119	6	\$ -	\$ 1,119	\$ 520	\$ 0.00002	\$ 322	\$ 1,441	\$ 842	\$ 10,319	
Mar-19	\$ 616	14,904,323	\$ 0.00007	\$ 1,134	6	\$ -	\$ 1,134	\$ 518	\$ 0.00002	\$ 326	\$ 1,460	\$ 844	\$ 11,163	
Apr-19	\$ 626	15,067,267	\$ 0.00007	\$ 1,183	6	\$ -	\$ 1,183	\$ 557	\$ 0.00002	\$ 340	\$ 1,523	\$ 897	\$ 12,060	
May-19 (est)	\$ 705	14,875,822	\$ 0.00007	\$ 1,252	6	\$ -	\$ 1,252	\$ 547	\$ 0.00002	\$ 360	\$ 1,612	\$ 907	\$ 12,967	
Total Recovery E-Factor													\$ 12,967	

(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.

Non-Bypassable Transmission		Forecasted: Jun 19-\$	Forecasted: Jul 19-\$	Forecasted: Aug 19-\$	Forecasted: Sep 19-\$	Forecasted: Oct 19-\$	Forecasted: Nov 19-\$	Forecasted: Total	6 mo Average
Transm Enhancement (non-PECO zone RTEP)		\$ 4,089,361	\$ 4,089,361	\$ 4,089,361	\$ 4,089,361	\$ 4,089,361	\$ 4,089,361	\$ 24,536,164	\$ 4,089,361
Transm Enhancement (PECO zone RTEP)		\$ 1,962,281	\$ 1,962,281	\$ 1,962,281	\$ 1,962,281	\$ 1,962,281	\$ 1,962,281	\$ 11,773,687	\$ 1,962,281
RTEP "Transitional Period" Settlement (EL05-121-009)		\$ (2,807,610)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,807,610)	\$ (467,935)
RTEP "Black Box" Settlement (EL05-121-009)		\$ (2,316,602)	\$ (2,311,370)	\$ (2,302,650)	\$ (2,302,650)	\$ (2,302,650)	\$ (2,302,650)	\$ (13,838,570)	\$ (2,306,428)
PECO 2007-2010 RTEP "Black Box" Credit Retention (EL05-121-009)	\$ 5,500,000	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 458,333	\$ 2,750,000	\$ 458,333
Expansion Recovery Cost (Schedule 13) Payments ended in 2015.		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Generation Deactivation		\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 126,000	\$ 21,000
Total Cost		\$ 1,406,764	\$ 4,219,605	\$ 4,228,325	\$ 4,228,325	\$ 4,228,325	\$ 4,228,325	\$ 22,539,671	\$ 3,756,612
NBT Costs									
NBT 1	45.49%	\$ 640,002	\$ 1,919,695	\$ 1,923,662	\$ 1,923,662	\$ 1,923,662	\$ 1,923,662	\$ 10,254,345	\$ 1,709,058
NBT 2	22.78%	\$ 320,483	\$ 961,292	\$ 963,279	\$ 963,279	\$ 963,279	\$ 963,279	\$ 5,134,891	\$ 855,815
NBT 3	31.66%	\$ 445,339	\$ 1,335,800	\$ 1,338,560	\$ 1,338,560	\$ 1,338,560	\$ 1,338,560	\$ 7,135,380	\$ 1,189,230
NBT 4	0.07%	\$ 940	\$ 2,819	\$ 2,824	\$ 2,824	\$ 2,824	\$ 2,824	\$ 15,055	\$ 2,509
	100%								

NSPL Allocation supporting NBT Costs	
Actuals from 12/2017 Forward	NSPL Total
- NBT 1	19,407
- NBT 2	9,718
- NBT 3	13,505
- NBT 4	28
Total	42,659
- NBT 1 Share of Total	45.49%
- NBT 2 Share of Total	22.78%
- NBT 3 Share of Total	31.66%
- NBT 4 Share of Total	0.07%

Source for Projected Monthly Expense Outside PECO Zone:

PJM Transmission Cost Information Calculator as of 5/1/2019
<http://www.pjm.com/planning/rtep-upgrades-status/cost-allocation-view.aspx>

Projected Annual Expense to be recovered from PECO customers for PECO TO:

\$23,547,374

Generation Deactivation:

PECO assumes PJM will continue collecting for Dominion Generation resources Yorktown 1 and Yorktown 2 thru this period.

FERC # EL05-121-009 Settlement (relates to FERC Order 494)

Based on new PJM cost allocation method for RTEP facilities >=500kV and PJM recast of prior RTEP periods back to 2007

PECO expects "Transitional" refunds thru 6/30/2018 and "Black Box" refunds through 12/31/2025.

PECO is retaining \$5.5M of the "Black Box" refund over twelve months, from 12/2018 through 11/2019.