



VIA ELECTRONIC MAIL & OVERNIGHT MAIL

June 22, 2017

In the Matter of the Provision of Basic Generation Service
for Year Two of the Post-Transition Period

- and -

In the Matter of the Provision of Basic Generation Service
for the Period Beginning June 1, 2015

-and-

In the Matter of the Provision of Basic Generation Service
for the Period Beginning June 1, 2016

-and-

In the Matter of the Provision of Basic Generation Service
for the Period Beginning June 1, 2017

Docket Nos. EO03050394, ER14040370, ER15040482, ER16040337

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Compliance Tariff Filing Reflecting Changes to Schedule 12 Charges in PJM Open Access
Transmission Tariff Docket No. _____

Hon. Irene Kim Asbury, Secretary
Board of Public Utilities
44 South Clinton Avenue, 9th Fl
Post Office Box 350
Trenton, NJ 08625-0350

Dear Secretary Asbury:

Enclosed for filing on behalf of Jersey Central Power & Light Company (“JCP&L”), Public Service Electric and Gas Company (“PSE&G”) and Rockland Electric Company (“RECO”) (collectively, the “EDCs”) please find an original and 10 copies of tariff sheets and supporting exhibits proposed by each of the EDCs and revised to reflect changes to the PJM Open Access Transmission Tariff (“OATT”) made in response to: (i) the annual formula rate update filings made by PPL Electric Utilities Corporation (“PPL”) in Federal Energy Regulatory Commission (“FERC”) Docket No. ER09-1148, by Baltimore Gas and Electric Company in FERC Docket No. ER09-1100, and by Trans-Allegheny Interstate Line Company (“TrAILCo”) in FERC

Docket No. ER07-562, and (ii) the formula rate update filings made by the public utility affiliates of Pepco Holdings Inc. (“PHI”) in FERC Docket No. ER08-1423 and the respective utility affiliate compliance filings for formula rate updates made by Atlantic City Electric Company (“ACE”) in Docket No ER09-1156, Delmarva Power and Light (“Delmarva”) in Docket No. ER09-1158, and Potomac Electric Power Company (“PEPCO”) in Docket No. ER09-1159 (the filings referred to in (i) and (ii) above are collectively referred to as the “Filings”).

Background

In its Order dated October 22, 2003 (BPU Docket No. EO03050394), the New Jersey Board of Public Utilities (“Board”) authorized the EDCs to recover FERC-approved changes in firm transmission service-related charges. The Board has also authorized recovery of FERC-approved changes in firm transmission service-related charges in subsequent orders approving the Basic Generation Service (“BGS”) supply procurement process and the associated Supplier Master Agreements (“SMAs”). Furthermore, by subsequent Orders, the BPU has approved Section 15.9 of the Supplier Master Agreements (“SMA”) filed by the EDCs, which authorize the EDCs to increase or decrease the rates paid to suppliers for FERC-approved rates and changes to Firm Transmission Service once approved by the Board.

The Transmission Enhancement Charges (“TECs”) detailed in Schedule 12 of the PJM OATT were implemented to compensate transmission owners for the annual transmission revenue requirements for “Required Transmission Enhancements” (again, as defined in the PJM OATT) that are requested by PJM for reliability or economic purposes. TECs are recovered by PJM through an additional transmission charge in the transmission zones assigned cost responsibility for Required Transmission Enhancement projects.

In turn, the EDCs file with the Board to recover costs associated with TECs from BGS customer and to pay BGS suppliers for TEC charges assigned to them by PJM for the load they serve in the respective EDC service territories.¹

Request for Board Approval

The EDCs request Board approval to implement the attached, revised BGS-RSCP and BGS-CIEP tariff rates effective September 1, 2017. In support of this request, the EDCs have included pro-forma tariff sheets shown in Attachment 1. The proposed BGS tariff rates have been modified in accordance with the Board-approved methodology contained in each EDC's Company-Specific Addendum in the above-referenced BGS proceedings and in conformance with each EDC's Board-approved BGS tariff sheets. The attached pro-forma tariff sheets propose

¹ The EDCs pay suppliers subject to the conditions of the Board-approved Supplier Master Agreements.

an effective date of September 1, 2017 and will remain in effect until changed. The BGS-RSCP and BGS-CIEP rates included in the amended tariff sheets for each EDC are revised to reflect costs effective on June 1, 2017 for TECs resulting from all of the FERC-approved Filings. These rates are based on the FERC-approved (and PJM implemented) rates for transmission services, including recent cost reallocations implemented by PJM.

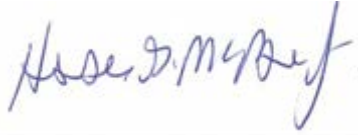
Attachment 2 shows the cost impact for the 2017/2018 period for each of the EDCs. These costs were allocated to the various transmission zones using the cost information from the formula rates for the projects covered by the Filings, as posted on the PJM website. The translation of the transmission zone rate impact to the BGS rates of each of the EDCs assuming implementation on September 1, 2017 is included as Attachment 3. Copies of the Filings and all formula rate updates are included as Attachment 4, and can also be found on the PJM website at <http://www.pjm.com/markets-and-operations/transmission-service/formula-rates.aspx>.

The EDCs also request that the BGS Suppliers be compensated for the changes to the OATT resulting from the implementation of the updates from formula rates effective June 1, 2017. Suppliers will be compensated subject to the terms and conditions of the applicable SMAs. Any differences between payments to BGS-RSCP and BGS-CIEP Suppliers and charges to customers will flow through BGS Reconciliation Charges. This treatment is consistent with the previously-approved mechanisms.

This filing satisfies the requirements of ¶¶ 15.9 (a)(i) and (ii) of the BGS-RSCP and BGS-CIEP SMAs, which mandate that BGS-RSCP and BGS-CIEP Suppliers be notified of rate increases for firm transmission service, and that the EDCs file for and obtain Board approval of an increase in retail rates commensurate with the FERC-implemented rate increase.

We thank the Board for all courtesies extended.

Respectfully submitted,



Attachments

cc: Thomas Walker, NJBPU
Stacy Peterson, NJBPU
Stefanie Brand, Division of Rate Counsel
Service List (Electronic)

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE
BPU Docket No.

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE
BPU Docket No.

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PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE
BPU Docket No.

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Attachment 1A
Public Service Electric and Gas Company Tariff Sheets

Attachment 1B
Jersey Central Power and Light Tariff Sheets

Attachment 1C
Rockland Electric Company Tariff Sheets

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 75

B.P.U.N.J. No. 15 ELECTRIC

Superseding

XXX Revised Sheet No. 75

**BASIC GENERATION SERVICE – RESIDENTIAL SMALL COMMERCIAL PRICING (BGS-RSCP)
ELECTRIC SUPPLY CHARGES**

APPLICABLE TO:

Default electric supply service for Rate Schedules RS, RHS, RLM, WH, WHS, HS, BPL, BPL-POF, PSAL, GLP and LPL-Secondary (less than 500 kilowatts).

BGS ENERGY CHARGES:

Applicable to Rate Schedules RS, RHS, RLM, WH, WHS, HS, BPL, BPL-POF and PSAL

Charges per kilowatthour:

Rate Schedule	For usage in each of the months of <u>October through May</u>		For usage in each of the months of <u>June through September</u>	
	<u>Charges</u>	<u>Charges Including SUT</u>	<u>Charges</u>	<u>Charges Including SUT</u>
RS – first 600 kWh	\$0.114351	\$0.122213	\$0.114405	\$0.122270
RS – in excess of 600 kWh	0.114351	0.122213	0.123523	0.132015
RHS – first 600 kWh	0.092470	0.098827	0.087574	0.093595
RHS – in excess of 600 kWh	0.092470	0.098827	0.099766	0.106625
RLM On-Peak	0.195380	0.208812	0.206818	0.221037
RLM Off-Peak	0.054364	0.058102	0.050600	0.054079
WH	0.054424	0.058166	0.051835	0.055399
WHS	0.054891	0.058665	0.051426	0.054962
HS	0.092454	0.098810	0.093333	0.099750
BPL	0.051712	0.055267	0.046936	0.050163
BPL-POF	0.051712	0.055267	0.046936	0.050163
PSAL	0.051712	0.055267	0.046936	0.050163

The above Basic Generation Service Energy Charges reflect costs for Energy, Generation Capacity, Transmission, and Ancillary Services (including PJM Interconnection, L.L.C. (PJM) Administrative Charges). The portion of these charges related to Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges may be changed from time to time on the effective date of such change to the PJM rate for these charges as approved by the Federal Energy Regulatory Commission (FERC).

Kilowatt threshold noted above is based upon the customer's Peak Load Share of the overall summer peak load assigned to Public Service by the Pennsylvania-New Jersey-Maryland Office of the Interconnection (PJM). See Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions of this Tariff.

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G
80 Park Plaza, Newark, New Jersey 07102
Filed pursuant to Order of Board of Public Utilities dated
in Docket No.

Effective:

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 79

B.P.U.N.J. No. 15 ELECTRIC

Superseding

XXX Revised Sheet No. 79

BASIC GENERATION SERVICE – RESIDENTIAL SMALL COMMERCIAL PRICING (BGS-RSCP)**ELECTRIC SUPPLY CHARGES**

(Continued)

BGS CAPACITY CHARGES:**Applicable to Rate Schedules GLP and LPL-Sec.****Charges per kilowatt of Generation Obligation:**

Charge applicable in the months of June through September\$ 5.7899

Charge including New Jersey Sales and Use Tax (SUT)\$ 6.1880

Charge applicable in the months of October through May.....\$ 5.7899

Charge including New Jersey Sales and Use Tax (SUT)\$ 6.1880

The above charges shall recover each customer's share of the overall summer peak load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions.

BGS TRANSMISSION CHARGES**Applicable to Rate Schedules GLP and LPL-Sec.****Charges per kilowatt of Transmission Obligation:**

Currently effective Annual Transmission Rate for

Network Integration Transmission Service for the

Public Service Transmission Zone as derived from the

FERC Electric Tariff of the PJM Interconnection, LLC\$ 91,224.18 per MW per year

PJM Reallocation.....\$ 988.08 per MW per year

PJM Seams Elimination Cost Assignment Charges\$ 0.00 per MW per month

PJM Reliability Must Run Charge.....\$ 0.00 per MW per month

PJM Transmission Enhancements

Trans-Allegheny Interstate Line Company\$ 102.26 per MW per month

Virginia Electric and Power Company\$ 82.20 per MW per month

Potomac-Appalachian Transmission Highline L.L.C.\$ 10.72 per MW per month

PPL Electric Utilities Corporation.....\$ 52.22 per MW per month

American Electric Power Service Corporation\$ 26.91 per MW per month

Atlantic City Electric Company.\$ 11.09 per MW per month

Delmarva Power and Light Company.....\$ 0.33 per MW per month

Potomac Electric Power Company.....\$ 3.24 per MW per month

Baltimore Gas and Electric Company.....\$ 6.91 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months.....\$ 7.9801

Charge including New Jersey Sales and Use Tax (SUT)\$ 8.5287

The above charges shall recover each customer's share of the overall summer peak transmission load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned transmission capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions. These charges will be changed from time to time on the effective date of such change to the PJM rate for charges for Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges as approved by Federal Energy Regulatory Commission (FERC).

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G

80 Park Plaza, Newark, New Jersey 07102

Filed pursuant to Order of Board of Public Utilities dated

in Docket No.

Effective:

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

XXX Revised Sheet No. 83

B.P.U.N.J. No. 15 ELECTRIC

Superseding

XXX Revised Sheet No. 83

**BASIC GENERATION SERVICE – COMMERCIAL AND INDUSTRIAL ENERGY PRICING (CIEP)
ELECTRIC SUPPLY CHARGES**

(Continued)

BGS TRANSMISSION CHARGES**Charges per kilowatt of Transmission Obligation:**

Currently effective Annual Transmission Rate for Network Integration Transmission Service for the Public Service Transmission Zone as derived from the FERC Electric Tariff of the PJM Interconnection, LLC	\$ 91,224.18 per MW per year
PJM Reallocation.....	\$ 988.08 per MW per year
PJM Seams Elimination Cost Assignment Charges	\$ 0.00 per MW per month
PJM Reliability Must Run Charge.....	\$ 0.00 per MW per month
PJM Transmission Enhancements	
Trans-Allegheny Interstate Line Company	\$102.26 per MW per month
Virginia Electric and Power Company	\$ 82.20 per MW per month
Potomac-Appalachian Transmission Highline L.L.C.	\$ 10.72 per MW per month
PPL Electric Utilities Corporation.....	\$ 52.22 per MW per month
American Electric Power Service Corporation	\$ 26.91 per MW per month
Atlantic City Electric Company.	\$ 11.09 per MW per month
Delmarva Power and Light Company.....	\$ 0.33 per MW per month
Potomac Electric Power Company.....	\$ 3.24 per MW per month
Baltimore Gas and Electric Company.....	\$ 6.91 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months.....	\$ 7.9801
Charge including New Jersey Sales and Use Tax (SUT)	\$ 8.5287

The above charges shall recover each customer's share of the overall summer peak transmission load assigned to the Public Service Transmission Zone by the PJM Interconnection, L.L.C. (PJM) as adjusted by PJM assigned transmission capacity related factors and shall be in accordance with Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions. These charges will be changed from time to time on the effective date of such charge to the PJM rate for charges for Network Integration Transmission Service, including the PJM Seams Elimination Cost Assignment Charges, the PJM Reliability Must Run Charge and PJM Transmission Enhancement Charges as approved by Federal Energy Regulatory Commission (FERC).

Kilowatt threshold noted above is based upon the customer's Peak Load Share of the overall summer peak load assigned to Public Service by the Pennsylvania-New Jersey-Maryland Office of the Interconnection (PJM). See Section 9.1, Measurement of Electric Service, of the Standard Terms and Conditions of this Tariff.

Date of Issue:

Issued by SCOTT S. JENNINGS, Vice President Finance – PSE&G
80 Park Plaza, Newark, New Jersey 07102
Filed pursuant to Order of Board of Public Utilities dated
in Docket No.

Effective:

JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 36
Superseding XX Rev. Sheet No. 36

Rider BGS-RSCP
Basic Generation Service – Residential Small Commercial Pricing
 (Applicable to Service Classifications RS, RT, RGT, GS, GST, OL, SVL, MVL, ISL and LED)

2) BGS Transmission Charge per KWH: As provided in the respective tariff for Service Classifications RS, RT, RGT, GS, GST, OL, SVL, MVL, ISL and LED. Effective January 1, 2013, a RMR surcharge of **\$0.000000** per KWH (includes Sales and Use Tax as provided in Rider SUT) will be added to the BGS Transmission Charge applicable to all KWH usage.

Effective September 1, 2016, an AEP-East2-TEC surcharge of **\$0.000105** per KWH (includes Sales and Use Tax as provided in Rider SUT), will be added to the BGS Transmission Charge applicable to all KWH usage except lighting under Service Classifications OL, SVL, MVL, ISL and LED.

Effective February 1, 2017, a PATH3-TEC surcharge of **\$0.000044** per KWH (includes Sales and Use Tax as provided in Rider SUT), a VEPCO3-TEC surcharge of **\$0.000335** per KWH (includes Sales and Use Tax as provided in Rider SUT), and a PSEG2-TEC surcharge of **\$0.001719** per KWH (includes Sales and Use Tax as provided in Rider SUT) will be added to the BGS Transmission Charge applicable to all KWH usage except lighting under Service Classifications OL, SVL, MVL, ISL and LED.

Effective September 1, 2017, a TRAILCO-TEC surcharge of **\$0.000461** per KWH (includes Sales and Use Tax as provided in Rider SUT), a Delmarva-TEC surcharge of **\$0.000001** per KWH (includes Sales and Use Tax as provided in Rider SUT), an ACE-TEC surcharge of **\$0.000084** per KWH (includes Sales and Use Tax as provided in Rider SUT), a PEPCO-TEC surcharge of **\$0.000015** per KWH (includes Sales and Use Tax as provided in Rider SUT), a PPL-TEC surcharge of **\$0.000211** per KWH (includes Sales and Use Tax as provided in Rider SUT), and a BG&E-TEC surcharge of **\$0.000031** per KWH (includes Sales and Use Tax as provided in Rider SUT) will be added to the BGS Transmission Charge applicable to all KWH usage except lighting under Service Classifications OL, SVL, MVL, ISL and LED.

3) BGS Reconciliation Charge per KWH: (\$0.001680) (includes Sales and Use Tax as provided in Rider SUT)

The above BGS Reconciliation Charge recovers the difference between the payments to BGS suppliers and the revenues from BGS customers for Basic Generation Service and is subject to quarterly true-up.

 Issued:

 Effective: **September 1, 2017**

Filed pursuant to Order of Board of Public Utilities

Docket No. dated

 Issued by James V. Fakult, President
 300 Madison Avenue, Morristown, NJ 07962-1911

BPU No. 12 ELECTRIC - PART III

XX Rev. Sheet No. 38
Superseding XX Rev. Sheet No. 38

Rider BGS-CIEP
Basic Generation Service – Commercial Industrial Energy Pricing
 (Applicable to Service Classifications GP and GT and
 Certain Customers under Service Classifications GS and GST)

3) BGS Transmission Charge per KWH: (Continued)

Effective September 1, 2016, the following TEC surcharge will be added to the BGS Transmission Charge applicable to all KWH usage, as follows (includes Sales and Use Tax as provided in Rider SUT):

	<u>AEP-East2-TEC</u>
GT – High Tension Service	\$0.000024
GT	\$0.000050
GP	\$0.000069
GS and GST	\$0.000105

Effective February 1, 2017, the following TEC surcharges will be added to the BGS Transmission Charge applicable to all KWH usage, as follows (includes Sales and Use Tax as provided in Rider SUT):

	<u>PATH3-TEC</u>	<u>VEPCO3-TEC</u>	<u>PSEG2-TEC</u>
GT – High Tension Service	\$0.000005	\$0.000043	\$0.000220
GT	\$0.000024	\$0.000178	\$0.000920
GP	\$0.000027	\$0.000208	\$0.001071
GS and GST	\$0.000044	\$0.000335	\$0.001719

Effective September 1, 2017, the following TEC surcharges will be added to the BGS Transmission Charge applicable to all KWH usage, as follows (includes Sales and Use Tax as provided in Rider SUT):

	<u>TRAILCO-TEC</u>	<u>Delmarva-TEC</u>	<u>ACE-TEC</u>
GS and GST	\$0.000461	\$0.000001	\$0.000084
GP	\$0.000283	\$0.000001	\$0.000052
GT	\$0.000251	\$0.000001	\$0.000046
GT – High Tension Service	\$0.000059	\$0.000000	\$0.000011

	<u>PEPCO-TEC</u>	<u>PPL-TEC</u>	<u>BG&E-TEC</u>
GS and GST	\$0.000015	\$0.000211	\$0.000031
GP	\$0.000009	\$0.000129	\$0.000019
GT	\$0.000007	\$0.000114	\$0.000017
GT – High Tension Service	\$0.000002	\$0.000027	\$0.000004

4) BGS Reconciliation Charge per KWH: (\$0.000234) (includes Sales and Use Tax as provided in Rider SUT)

The above BGS Reconciliation Charge recovers the difference between the payments to BGS suppliers and the revenues from BGS customers for Basic Generation Service and is subject to quarterly true-up.

Issued:

Effective: **September 1, 2017**

Filed pursuant to Order of Board of Public Utilities
Docket No. dated

Issued by James V. Fakult, President
 300 Madison Avenue, Morristown, NJ 07962-1911

Rockland Electric Company

Calculation of Transmission Surcharges reflecting proposed changes effective September 1, 2017

To reflect: RMR Costs

FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved AEP-East Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved BG&E Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PATH Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved PEPCO Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PSE&G Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved VEPCo Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337

(A) Transmission Surcharge rates by Transmission Project and Service Class (excluding SUT)

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00012	0.00007	0.00006	0.00006	0.00000	0.00008	0.00000	0.00004
BG&E- TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00005	0.00003	0.00002	0.00002	0.00000	0.00003	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00021	0.00013	0.00010	0.00013	0.00000	0.00014	0.00000	0.00008
PSE&G - TEC	(8)	0.00699	0.00413	0.00370	0.00361	0.00000	0.00483	0.00000	0.00255
TrAILCo - TEC	(9)	0.00041	0.00025	0.00020	0.00026	0.00000	0.00027	0.00000	0.00016
VEPCo - TEC	(10)	0.00035	0.00020	0.00018	0.00018	0.00000	0.00024	0.00000	0.00013
Total (\$/kWh and excl SUT)		\$0.00821	\$0.00486	\$0.00429	\$0.00430	\$0.00000	\$0.00564	\$0.00000	\$0.00300
Total (¢/kWh and excl SUT)		0.821 ¢	0.486 ¢	0.429 ¢	0.430 ¢	0.000 ¢	0.564 ¢	0.000 ¢	0.300 ¢

(B) Transmission Surcharge rates by Transmission Project and Service Class (including SUT)**6.875%**

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00013	0.00007	0.00006	0.00006	0.00000	0.00009	0.00000	0.00004
BG&E- TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00005	0.00003	0.00002	0.00002	0.00000	0.00003	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00022	0.00014	0.00011	0.00014	0.00000	0.00015	0.00000	0.00009
PSE&G - TEC	(8)	0.00747	0.00441	0.00395	0.00386	0.00000	0.00516	0.00000	0.00273
TrAILCo - TEC	(9)	0.00044	0.00027	0.00021	0.00028	0.00000	0.00029	0.00000	0.00017
VEPCo - TEC	(10)	0.00037	0.00021	0.00019	0.00019	0.00000	0.00026	0.00000	0.00014
Total (\$/kWh and incl SUT)		\$0.00876	\$0.00518	\$0.00457	\$0.00459	\$0.00000	\$0.00603	\$0.00000	\$0.00321
Total (¢/kWh and incl SUT)		0.876 ¢	0.518 ¢	0.457 ¢	0.459 ¢	0.000 ¢	0.603 ¢	0.000 ¢	0.321 ¢

Notes:

- (1) RMR rates based on allocations by transmission zone. For RECO, the estimated allocation is zero percent for calendar year 2017.
- (2) ACE-TEC rates calculated in Attachment 5 of the joint filing.
- (3) AEP-East-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (4) BG&E-TEC rates calculated in Attachment 5 of the joint filing.
- (5) Delmarva-TEC rates calculated in Attachment 5 of the joint filing.
- (6) PATH-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (7) PEPCO-TEC rates calculated in Attachment 5 of the joint filing.
- (8) PPL-TEC rates calculated in Attachment 5 of the joint filing.
- (9) PSE&G-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (10) TrAILCo-TEC rates calculated in Attachment 5 of the joint filing.
- (11) VEPCo-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL SERVICE (Continued)**

RATE – MONTHLY (Continued)

(3) Transmission Charge

- (a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

	<u>Summer Months*</u>	<u>Other Months</u>
First 250 kWh @	1.208 ¢ per kWh	1.208 ¢ per kWh
Over 250 kWh @	1.208 ¢ per kWh	1.208 ¢ per kWh

- (b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run and Transmission Enhancement Charges.

All kWh	0.876 ¢ per kWh	0.876 ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
Mahwah, New Jersey 07430

**SERVICE CLASSIFICATION NO. 2
GENERAL SERVICE (Continued)**

RATE – MONTHLY (Continued)

(3) Transmission Charges (Continued)

(b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run and Transmission Enhancement Charges.

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Secondary Voltage Service Only</u>		
All kWh@	0.518 ¢ per kWh	0.518 ¢ per kWh
<u>Primary Voltage Service Only</u>		
All kWh@	0.457 ¢ per kWh	0.457 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Surcharges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 96
 Superseding Leaf No. 96

**SERVICE CLASSIFICATION NO. 3
 RESIDENTIAL TIME-OF-DAY HEATING SERVICE (Continued)**

RATE – MONTHLY (Continued)

(3) Transmission Charge

(a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Peak</u>		
All kWh measured between 10:00 a.m. and 10:00 p.m., Monday through Friday @		
	0.810 ¢ per kWh	0.810 ¢ per kWh
<u>Off-Peak</u>		
All other kWh @		
	0.810 ¢ per kWh	0.810 ¢ per kWh

(b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run and Transmission Enhancement Charges.

All kWh @	0.459 ¢ per kWh	0.459 ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges, as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
 Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 109
 Superseding Leaf No. 109

**SERVICE CLASSIFICATION NO. 5
 RESIDENTIAL SPACE HEATING SERVICE (Continued)**

RATE - MONTHLY (Continued)

(3) Transmission Charge

(a) These charges apply to all customers taking Basic Generation Service from the Company. These charges are also applicable to customers located in the Company's Central and Western Divisions and obtaining Competitive Energy Supply. These charges are not applicable to customers located in the Company's Eastern Division and obtaining Competitive Energy Supply. The Company's Eastern, Central and Western Divisions are defined in General Information Section No. 1.

	<u>Summer Months*</u>	<u>Other Months</u>
First 250 kWh ... @	0.793 ¢ per kWh	0.793 ¢ per kWh
Next 450 kWh ... @	0.793 ¢ per kWh	0.793 ¢ per kWh
Over 700 kWh ... @	0.793 ¢ per kWh	0.793 ¢ per kWh

(b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run and Transmission Enhancement Charges.

All kWh ... @	0.603 ¢ per kWh	0.603 ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35, respectively, shall be assessed on all kWh delivered hereunder.

* Definition of Summer Billing Months - June through September

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
 Mahwah, New Jersey 07430

**SERVICE CLASSIFICATION NO. 7
 LARGE GENERAL TIME-OF-DAY SERVICE (Continued)**

RATE– MONTHLY (Continued)

(3) Transmission Charges (Continued)

(a) (Continued)

		<u>Primary</u>	<u>High Voltage Distribution</u>
<u>Demand Charge</u>			
Period I	All kW @	\$1.91 per kW	\$1.91 per kW
Period II	All kW @	0.50 per kW	0.50 per kW
Period III	All kW @	1.74 per kW	1.74 per kW
Period IV	All kW @	0.50 per kW	0.50 per kW

<u>Usage Charge</u>			
Period I	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period II	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period III	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period IV	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh

(b) Transmission Surcharge – This charge is applicable to all customers taking Basic Generation Service from the Company and includes surcharges related to Reliability Must Run and Transmission Enhancement Charges.

		<u>Primary</u>	<u>High Voltage Distribution</u>
All Periods	All kWh @	0.321 ¢ per kWh	0.321 ¢ per kWh

(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

The provisions of the Company's Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges as described in General Information Section Nos. 33, 34, and 35 respectively, shall be assessed on all kWh delivered hereunder.

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
 Mahwah, New Jersey 07430

DRAFT

Revised Leaf No. 127
Superseding Leaf No. 127

**SERVICE CLASSIFICATION NO. 7
LARGE GENERAL TIME-OF-DAY SERVICE (Continued)**

SPECIAL PROVISIONS

(A) Space Heating

Customers who take service under this classification for 10 kW or more of permanently installed space heating equipment may elect to have the electricity for this service billed separately. All monthly use shall be billed at a Distribution Charge of 3.289 ¢ per kWh during the billing months of October through May and 5.316 ¢ per kWh during the summer billing months and a Transmission Charge of 0.551 ¢ per kWh and a Transmission Surcharge of 0.321 ¢ per kWh during all billing months.

When this option is requested it shall apply for at least 12 months and shall be subject to a minimum charge of \$26.93 per year per kW of space heating capacity. This provision applies for both heating and cooling where the two services are combined by the manufacturer in a single self-contained unit.

All usage under this Special Provision shall also be subject to Parts (4), (5), and (6) of RATE – MONTHLY. This Special Provision is not available to those customers taking high voltage distribution service.

This special provision is closed to new customers effective August 1, 2014.

(B) Budget Billing Plan

Any condominium association or cooperative housing corporation who takes service hereunder and any other customer taking service under Special Provision B of this Service Classification may, upon request, be billed monthly in accordance with the budget billing plan provided for in General Information Section 8 of this tariff.

(Continued)

ISSUED:

EFFECTIVE:

ISSUED BY: Timothy Cawley, President
Mahwah, New Jersey 07430

Attachment 2A

Cost Allocation of 2017/2018 TrailCo Schedule 12 Charges

Attachment 2B

Cost Allocation of 2017/2018 BG&E Schedule 12 Charges

Attachment 2C

Cost Allocation of 2017/2018 PPL Schedule 12 Charges

Attachment 2D

Cost Allocation of 2017/2018 ACE Schedule 12 Charges

Attachment 2E

Cost Allocation of 2017/2018 Delmarva Schedule 12 Charges

Attachment 2F

Cost Allocation of 2017/2018 PEPCO Schedule 12 Charges

Attachment 2A PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
 Calculation of costs and monthly PJM charges for Allegheny TrAILCo Projects

Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	June 2017-May 2018 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
502 Junction-Mt Storm-Meadowbrook (>=500kV) - CWIP ¹	b0328.1; b0328.2; b0347.1; b0347.2; b0347.3; b0347.4	\$ 142,698,296.88	1.70%	3.78%	6.22%	0.25%	\$2,425,871	\$5,393,996	\$8,875,834	\$356,746	\$17,052,446
Wylie Ridge ²	b0218	\$ 2,884,641.73	11.83%	15.56%	0.00%	0.00%	\$341,253	\$448,850	\$0	\$0	\$790,103
Black Oak Meadowbrook 200	b0216	\$ 5,754,277.45	1.70%	3.78%	6.22%	0.25%	\$97,823	\$217,512	\$357,916	\$14,386	\$687,636
MVAR capacitor	b0559	\$ 794,379.64	1.70%	3.78%	6.22%	0.25%	\$13,504	\$30,028	\$49,410	\$1,986	\$94,928
Replace Kammer	b0495	\$ 4,802,279.44	1.70%	3.78%	6.22%	0.25%	\$81,639	\$181,526	\$298,702	\$12,006	\$573,872
765/500 kV TXfmr	b0343	\$ 635,524.86	1.85%	0.00%	0.00%	0.00%	\$11,757	\$0	\$0	\$0	\$11,757
Doubs TXfmr 2	b0344	\$ 582,767.79	1.86%	0.00%	0.00%	0.00%	\$10,839	\$0	\$0	\$0	\$10,839
Doubs TXfmr 3	b0345	\$ 717,765.46	1.85%	0.00%	0.00%	0.00%	\$13,279	\$0	\$0	\$0	\$13,279
Doubs TXfmr 4	b0345	\$ 717,765.46	1.85%	0.00%	0.00%	0.00%	\$13,279	\$0	\$0	\$0	\$13,279
New Osage 138KV Ckt	b0674-b1023.3	\$ 1,621,416.68	0.00%	0.00%	0.25%	0.01%	\$0	\$0	\$4,054	\$162	\$4,216
Cap at Grover 230	b0556	\$ 121,286.39	8.58%	18.16%	26.13%	0.97%	\$10,406	\$22,026	\$31,692	\$1,176	\$65,301
Upgrade transformer	b1153	\$ 3,743,231.50	3.74%	12.57%	20.52%	0.72%	\$139,997	\$470,524	\$768,111	\$26,951	\$1,405,583
500/230	b1153	\$ 3,743,231.50	3.74%	12.57%	20.52%	0.72%	\$139,997	\$470,524	\$768,111	\$26,951	\$1,405,583
Build a 300 MVAR	b1803	\$ 662,641.57	1.70%	3.78%	6.22%	0.25%	\$11,265	\$25,048	\$41,216	\$1,657	\$79,186
Switched Shunt at	b1803	\$ 662,641.57	1.70%	3.78%	6.22%	0.25%	\$11,265	\$25,048	\$41,216	\$1,657	\$79,186
Doubs 500kV	b1803	\$ 662,641.57	1.70%	3.78%	6.22%	0.25%	\$11,265	\$25,048	\$41,216	\$1,657	\$79,186
Install 500 MVAR svc at	b1800	\$ 5,875,239.81	1.70%	3.78%	6.22%	0.25%	\$99,879	\$222,084	\$365,440	\$14,688	\$702,091
Hunterstown 500kV Sub	b1800	\$ 5,875,239.81	1.70%	3.78%	6.22%	0.25%	\$99,879	\$222,084	\$365,440	\$14,688	\$702,091
Install a new 600 MVAR	b1804	\$ 8,162,156.68	1.70%	3.78%	6.22%	0.25%	\$138,757	\$308,530	\$507,686	\$20,405	\$975,378
SVC at Meadowbrook	b1804	\$ 8,162,156.68	1.70%	3.78%	6.22%	0.25%	\$138,757	\$308,530	\$507,686	\$20,405	\$975,378
500 kV	b1804	\$ 8,162,156.68	1.70%	3.78%	6.22%	0.25%	\$138,757	\$308,530	\$507,686	\$20,405	\$975,378
Build 250 MVAR svc at	b1801	\$ 4,701,915.58	6.47%	8.14%	8.18%	0.33%	\$304,214	\$382,736	\$384,617	\$15,516	\$1,087,083
Altoona 230kV	b1801	\$ 4,701,915.58	6.47%	8.14%	8.18%	0.33%	\$304,214	\$382,736	\$384,617	\$15,516	\$1,087,083
Convert Moshannon	b1964	\$ 1,087,213.05	0.00%	5.48%	0.00%	0.00%	\$0	\$59,579	\$0	\$0	\$59,579
sub to 4 breaker 230 kv	b1964	\$ 1,087,213.05	0.00%	5.48%	0.00%	0.00%	\$0	\$59,579	\$0	\$0	\$59,579
ring bus	b1964	\$ 1,087,213.05	0.00%	5.48%	0.00%	0.00%	\$0	\$59,579	\$0	\$0	\$59,579
Build a 100 MVAR Fast	b1802	\$ 3,524,047.39	6.47%	8.14%	8.18%	0.33%	\$228,006	\$286,857	\$288,267	\$11,629	\$814,760
Switched Shunt and	b1802	\$ 3,524,047.39	6.47%	8.14%	8.18%	0.33%	\$228,006	\$286,857	\$288,267	\$11,629	\$814,760
200 MVAR Switched	b1802	\$ 3,524,047.39	6.47%	8.14%	8.18%	0.33%	\$228,006	\$286,857	\$288,267	\$11,629	\$814,760
Shunt at Mansfield 345	b1802	\$ 3,524,047.39	6.47%	8.14%	8.18%	0.33%	\$228,006	\$286,857	\$288,267	\$11,629	\$814,760
kV	b1802	\$ 3,524,047.39	6.47%	8.14%	8.18%	0.33%	\$228,006	\$286,857	\$288,267	\$11,629	\$814,760
Install 100 MVAR	b0555	\$ 203,348.58	8.58%	18.16%	26.13%	0.97%	\$17,447	\$36,928	\$53,135	\$1,972	\$109,483
capacitor at Johnstown	b0555	\$ 203,348.58	8.58%	18.16%	26.13%	0.97%	\$17,447	\$36,928	\$53,135	\$1,972	\$109,483
230 kV substation	b0555	\$ 203,348.58	8.58%	18.16%	26.13%	0.97%	\$17,447	\$36,928	\$53,135	\$1,972	\$109,483
Install 300 MVAR	b0376	\$ -	1.70%	3.78%	6.22%	0.25%	\$0	\$0	\$0	\$0	\$0
capacitor at	b0376	\$ -	1.70%	3.78%	6.22%	0.25%	\$0	\$0	\$0	\$0	\$0
Conemaugh 500 kV	b0376	\$ -	1.70%	3.78%	6.22%	0.25%	\$0	\$0	\$0	\$0	\$0
substation	b0376	\$ -	1.70%	3.78%	6.22%	0.25%	\$0	\$0	\$0	\$0	\$0
							\$3,945,936	\$8,086,223	\$12,026,080	\$479,281	\$24,537,521

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017TX Peak Load per PJM website	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 1,002,173.35	9,800.3	\$ 102.26	\$ 7,015,213	\$ 5,010,867	\$ 12,026,080
JCP&L	\$ 673,851.94	5,954.8	\$ 113.16	\$ 4,716,964	\$ 3,369,260	\$ 8,086,223
ACE	\$ 328,828.04	2,673.4	\$ 123.00	\$ 2,301,796	\$ 1,644,140	\$ 3,945,936
RE	\$ 39,940.10	402.0	\$ 99.35	\$ 279,581	\$ 199,701	\$ 479,281
Total Impact on NJ Zones	\$ 2,044,793.43			\$ 14,313,554	\$ 10,223,967	\$ 24,537,521

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX

(14) Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0216 Install -100/+525 MVAR dynamic reactive device at Black Oak	As specified under the procedures detailed in Attachment H-18B, Section 1.b	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0218 Install third Wylie Ridge 500/345kV transformer	As specified under the procedures detailed in Attachment H-18B, Section 1.b	AEC (11.83%) / DPL (19.40%) / Dominion (13.81%) / JCPL (15.56%) / PECO (39.40%)
b0220 Upgrade coolers on Wylie Ridge 500/345 kV #7		AEC (11.83%) / DPL (19.40%) / Dominion (13.81%) / JCPL (15.56%) / PECO (39.40%)
b0229 Install fourth Bedington 500/138 kV		APS (50.98%) / BGE (13.42%) / DPL (2.03%) / Dominion (14.50%) / ME (1.43%) / PEPSCO (17.64%)
b0230 Install fourth Meadowbrook 500/138 kV	As specified under the procedures detailed in Attachment H-18B, Section 1.b	APS (79.16%) / BGE (3.61%) / DPL (0.86%) / Dominion (11.75%) / ME (0.67%) / PEPSCO (3.95%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0238 Reconductor Doubs – Dickerson and Doubs – Aqueduct 1200 MVA	As specified under the procedures detailed in Attachment H-18B, Section 1.b	BGE (16.66%) / Dominion (33.66%) / PEPCO (49.68%)
b0240 Open the Black Oak #3 500/138 kV transformer for the loss of Hatfield – Back Oak 500 kV line		APS (100%)
b0245 Replacement of the existing 954 ACSR conductor on the Bedington – Nipetown 138 kV line with high temperature/low sag conductor		APS (100%)
b0246 Rebuild of the Double Tollgate – Old Chapel 138 kV line with 954 ACSR conductor	As specified under the procedures detailed in Attachment H-18B, Section 1.b	APS (100%)
b0273 Open both North Shenandoah #3 transformer and Strasburg – Edinburgh 138 kV line for the loss of Mount Storm – Meadowbrook 572 500 kV		APS (100%)
b0322 Convert Lime Kiln substation to 230 kV operation		APS (100%)
b0323 Replace the North Shenandoah 138/115 kV transformer	As specified under the procedures detailed in Attachment H-18B, Section 1.b	APS (100%)

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† Cost allocations associated with Regional Facilities and Necessary Lower Voltage Facilities associated with the project

†† Cost allocations associated with below 500 kV elements of the project

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0328.2	Build new Meadow Brook – Loudoun 500 kV circuit (20 of 50 miles)	As specified under the procedures detailed in Attachment H-18B, Section 1.b AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0343	Replace Doubs 500/230 kV transformer #2	As specified under the procedures detailed in Attachment H-18B, Section 1.b AEC (1.85%) / BGE (21.49%) / DPL (3.91%) / Dominion (28.86%) / ME (2.97%) / PECO (5.73%) / PEPCO (35.19%)
b0344	Replace Doubs 500/230 kV transformer #3	As specified under the procedures detailed in Attachment H-18B, Section 1.b AEC (1.86%) / BGE (21.50%) / DPL (3.91%) / Dominion (28.82%) / ME (2.97%) / PECO (5.74%) / PEPCO (35.20%)
b0345	Replace Doubs 500/230 kV transformer #4	As specified under the procedures detailed in Attachment H-18B, Section 1.b AEC (1.85%) / BGE (21.49%) / DPL (3.90%) / Dominion (28.83%) / ME (2.98%) / PECO (5.75%) / PEPCO (35.20%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.1 Build new Mt. Storm – 502 Junction 500 kV circuit	As specified under the procedures detailed in Attachment H-18B, Section 1.b	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.2 Build new Mt. Storm – Meadow Brook 500 kV circuit	As specified under the procedures detailed in Attachment H-18B, Section 1.b	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.3	Build new 502 Junction 500 kV substation	As specified under the procedures detailed in Attachment H-18B, Section 1.b
AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)		
b0347.4	Upgrade Meadow Brook 500 kV substation	As specified under the procedures detailed in Attachment H-18B, Section 1.b
AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)		

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.5	Replace Harrison 500 kV breaker HL-3	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.6	Upgrade (per ABB inspection) breaker HL-6	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.7	Upgrade (per ABB inspection) breaker HL-7	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.8	Upgrade (per ABB inspection) breaker HL-8	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)
b0347.9	Upgrade (per ABB inspection) breaker HL-10		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.10	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-1		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.11	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-3	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.12	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-4	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.13	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-6	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.14	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-7	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.15	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-9	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.16	Upgrade (per ABB inspection) Harrison 500 kV breaker 'HL-3'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)
b0347.17	Replace Meadow Brook 138 kV breaker 'MD-10'		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.18	Replace Meadow Brook 138 kV breaker 'MD-11'		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.19	Replace Meadow Brook 138 kV breaker 'MD-12'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.20	Replace Meadow Brook 138 kV breaker 'MD-13'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.21	Replace Meadow Brook 138 kV breaker 'MD-14'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.22	Replace Meadow Brook 138 kV breaker 'MD-15'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.23	Replace Meadow Brook 138 kV breaker 'MD-16'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.24	Replace Meadow Brook 138 kV breaker 'MD-17'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.25	Replace Meadow Brook 138 kV breaker 'MD-18'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.26	Replace Meadow Brook 138 kV breaker 'MD-22#1 CAP'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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**East Coast Power, L.L.C.

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.27	Replace Meadow Brook 138 kV breaker 'MD-4'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.28	Replace Meadow Brook 138 kV breaker 'MD-5'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.29	Replace Meadowbrook 138 kV breaker 'MD-6'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.30	Replace Meadowbrook 138 kV breaker 'MD-7'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.31	Replace Meadowbrook 138 kV breaker 'MD-8'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0347.32	Replace Meadowbrook 138 kV breaker 'MD-9'	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0347.33	Replace Meadow Brook 138kV breaker 'MD-1'	APS (100%)
b0347.34	Replace Meadow Brook 138kV breaker 'MD-2'	APS (100%)
b0348	Upgrade Stonewall – Inwood 138 kV with 954 ACSR conductor	APS (100%)
b0373	Convert Doubs – Monocacy 138 kV facilities to 230 kV operation	AEC (1.82%) / APS (76.84%) / DPL (2.64%) / JCPL (4.53%) / ME (9.15%) / Neptune* (0.42%) / PPL (4.60%)
b0393	Replace terminal equipment at Harrison 500 kV and Belmont 500 kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0406.1	Replace Mitchell 138 kV breaker “#4 bank”	APS (100%)
b0406.2	Replace Mitchell 138 kV breaker “#5 bank”	APS (100%)
b0406.3	Replace Mitchell 138 kV breaker “#2 transf”	APS (100%)
b0406.4	Replace Mitchell 138 kV breaker “#3 bank”	APS (100%)
b0406.5	Replace Mitchell 138 kV breaker “Charlerio #2”	APS (100%)
b0406.6	Replace Mitchell 138 kV breaker “Charlerio #1”	APS (100%)
b0406.7	Replace Mitchell 138 kV breaker “Shepler Hill Jct”	APS (100%)
b0406.8	Replace Mitchell 138 kV breaker “Union Jct”	APS (100%)
b0406.9	Replace Mitchell 138 kV breaker “#1-2 138 kV bus tie”	APS (100%)
b0407.1	Replace Marlowe 138 kV breaker “#1 transf”	APS (100%)
b0407.2	Replace Marlowe 138 kV breaker “MBO”	APS (100%)
b0407.3	Replace Marlowe 138 kV breaker “BMA”	APS (100%)
b0407.4	Replace Marlowe 138 kV breaker “BMR”	APS (100%)
b0407.5	Replace Marlowe 138 kV breaker “WC-1”	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0407.6	Replace Marlowe 138 kV breaker "R11"	APS (100%)
b0407.7	Replace Marlowe 138 kV breaker "W"	APS (100%)
b0407.8	Replace Marlowe 138 kV breaker "138 kV bus tie"	APS (100%)
b0408.1	Replace Trissler 138 kV breaker "Belmont 604"	APS (100%)
b0408.2	Replace Trissler 138 kV breaker "Edgelawn 90"	APS (100%)
b0409.1	Replace Weirton 138 kV breaker "Wylie Ridge 210"	APS (100%)
b0409.2	Replace Weirton 138 kV breaker "Wylie Ridge 216"	APS (100%)
b0410	Replace Glen Falls 138 kV breaker "McAlpin 30"	APS (100%)
b0417	Reconductor Mitchell – Shepler Hill Junction 138kV with 954 ACSR	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0418	Install a breaker failure auto-restoration scheme at Cabot 500 kV for the failure of the #6 breaker	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0419	Install a breaker failure auto-restoration scheme at Bedington 500 kV for the failure of the #1 and #2 breakers	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0420	Operating Procedure to open the Black Oak 500/138 kV transformer #3 for the loss of Hatfield – Ronco 500 kV and the Hatfield #3 Generation	APS (100%)
b0445	Upgrade substation equipment and reconductor the Tidd – Mahans Lane – Weirton 138kV circuit with 954 ACSR	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0460	Raise limiting structures on Albright – Bethelboro 138 kV to raise the rating to 175 MVA normal 214 MVA emergency	APS (100%)
b0491	Construct an Amos to Welton Spring to WV state line 765 kV circuit (APS equipment)	As specified under the procedures detailed in Attachment H-19B AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0492	Construct a Welton Spring to Kemptown 765 kV line (APS equipment)	As specified under the procedures detailed in Attachment H-19B AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0492.3	Replace Eastalco 230 kV breaker D-26	APS (100%)
b0492.4	Replace Eastalco 230 kV breaker D-28	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0492.5	Replace Eastalco 230 kV breaker D-31	APS (100%)
b0495	Replace existing Kammer 765/500 kV transformer with a new larger transformer	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0533	Reconductor the Powell Mountain – Sutton 138 kV line	APS (100%)
b0534	Install a 28.61 MVAR capacitor on Sutton 138 kV	APS (100%)
b0535	Install a 44 MVAR capacitor on Dutch Fork 138 kV	APS (100%)
b0536	Replace Doubs circuit breaker DJ1	APS (100%)
b0537	Replace Doubs circuit breaker DJ7	APS (100%)
b0538	Replace Doubs circuit breaker DJ10	APS (100%)
b0572.1	Reconductor Albright – Mettiki – Williams – Parsons – Loughs Lane 138 kV with 954 ACSR	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0572.2	Reconductor Albright – Mettiki – Williams – Parsons – Loughs Lane 138 kV with 954 ACSR	APS (100%)
b0573	Reconfigure circuits in Butler – Cabot 138 kV area	APS (100%)
b0577	Replace Fort Martin 500 kV breaker FL-1	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0584	Install 33 MVAR 138 kV capacitor at Necessity 138 kV	APS (100%)
b0585	Increase Cecil 138 kV capacitor size to 44 MVAR, replace five 138 kV breakers at Cecil due to increased short circuit fault duty as a result of the addition of the Prexy substation	APS (100%)
b0586	Increase Whiteley 138 kV capacitor size to 44 MVAR	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b0587	Reconductor AP portion of Tidd – Carnegie 138 kV and Carnegie – Weirton 138 kV with 954 ACSR		APS (100%)
b0588	Install a 40.8 MVAR 138 kV capacitor at Grassy Falls		APS (100%)
b0589	Replace five 138 kV breakers at Cecil		APS (100%)
b0590	Replace #1 and #2 breakers at Charleroi 138 kV		APS (100%)
b0591	Install a 25.2 MVAR capacitor at Seneca Caverns 138 kV		APS (100%)
b0673	Rebuild Elko – Carbon Center Junction using 230 kV construction		APS (100%)
b0674	Construct new Osage – Whiteley 138 kV circuit		APS (97.68%) / DL (0.96%) / PENELEC (1.09%) / ECP** (0.01%) / PSEG (0.25%) / RE (0.01%)
b0674.1	Replace the Osage 138 kV breaker ‘CollinsF126’		APS (100%)
b0675.1	Convert Monocacy - Walkersville 138 kV to 230 kV		AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.2	Convert Walkersville - Catocin 138 kV to 230 kV		AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0675.3	Convert Ringgold - Catoctin 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.4	Convert Catoctin - Carroll 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.5	Convert portion of Ringgold Substation from 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.6	Convert Catoctin Substation from 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.7	Convert portion of Carroll Substation from 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0675.8	Convert Monocacy Substation from 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0675.9	Convert Walkersville Substation from 138 kV to 230 kV	AEC (1.02%) / APS (81.96%) / DPL (0.85%) / JCPL (1.75%) / ME (6.37%) / NEPTUNE* (0.15%) / PECO (3.09%) / PPL (2.24%) / PSEG (2.42%) / RE (0.09%) / ECP** (0.06%)
b0676.1	Reconductor Doubs - Lime Kiln (#207) 230kV	AEC (0.64%) / APS (86.70%) / DPL (0.53%) / JCPL (1.93%) / ME (4.04%) / NEPTUNE* (0.18%) / PECO (1.93%) / PENELEC (0.93%) / PSEG (2.92%) / RE (0.12%) / ECP** (0.08%)
b0676.2	Reconductor Doubs - Lime Kiln (#231) 230kV	AEC (0.64%) / APS (86.70%) / DPL (0.53%) / JCPL (1.93%) / ME (4.04%) / NEPTUNE* (0.18%) / PECO (1.93%) / PENELEC (0.93%) / PSEG (2.92%) / RE (0.12%) / ECP** (0.08%)
b0677	Reconductor Double Toll Gate – Riverton with 954 ACSR	APS (100%)
b0678	Reconductor Glen Falls - Oak Mound 138kV with 954 ACSR	APS (100%)
b0679	Reconductor Grand Point – Letterkenny with 954 ACSR	APS (100%)
b0680	Reconductor Greene – Letterkenny with 954 ACSR	APS (100%)
b0681	Replace 600/5 CT's at Franklin 138 kV	APS (100%)
b0682	Replace 600/5 CT's at Whiteley 138 kV	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0684	Reconductor Guilford – South Chambersburg with 954 ACSR	APS (100%)
b0685	Replace Ringgold 230/138 kV #3 with larger transformer	APS (71.93%) / JCPL (4.17%) / ME (6.79%) / NEPTUNE* (0.38%) / PECO (4.05%) / PENELEC (5.88%) / ECP** (0.18%) / PSEG (6.37%) / RE (0.25%)
b0704	Install a third Cabot 500/138 kV transformer	APS (74.36%) / DL (2.73%) PENELEC (22.91%)
b0797	Advance n0321 (Replace Doubs Circuit Breaker DJ2)	APS(100%)
b0798	Advance n0322 (Replace Doubs Circuit Breaker DJ3)	APS(100%)
b0799	Advance n0323 (Replace Doubs Circuit Breaker DJ6)	APS(100%)
b0800	Advance n0327 (Replace Doubs Circuit Breaker DJ16)	APS(100%)
b0941	Replace Opequon 138 kV breaker 'BUSTIE'	APS(100%)
b0942	Replace Butler 138 kV breaker '#1 BANK'	APS(100%)
b0943	Replace Butler 138 kV breaker '#2 BANK'	APS(100%)
b0944	Replace Yukon 138 kV breaker 'Y-8'	APS(100%)
b0945	Replace Yukon 138 kV breaker 'Y-3'	APS(100%)

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Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b0946	Replace Yukon 138 kV breaker 'Y-1'		APS(100%)
b0947	Replace Yukon 138 kV breaker 'Y-5'		APS(100%)
b0948	Replace Yukon 138 kV breaker 'Y-2'		APS(100%)
b0949	Replace Yukon 138 kV breaker 'Y-19'		APS(100%)
b0950	Replace Yukon 138 kV breaker 'Y-4'		APS(100%)
b0951	Replace Yukon 138 kV breaker 'Y-9'		APS(100%)
b0952	Replace Yukon 138 kV breaker 'Y-11'		APS(100%)
b0953	Replace Yukon 138 kV breaker 'Y-13'		APS(100%)
b0954	Replace Charleroi 138 kV breaker '#1 XFMR BANK'		APS(100%)
b0955	Replace Yukon 138 kV breaker 'Y-7'		APS(100%)
b0956	Replace Pruntytown 138 kV breaker 'P-9'		APS(100%)
b0957	Replace Pruntytown 138 kV breaker 'P-12'		APS(100%)
b0958	Replace Pruntytown 138 kV breaker 'P-15'		APS(100%)

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Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0959	Replace Charleroi 138 kV breaker '#2 XFMR BANK'	APS(100%)
b0960	Replace Pruntytown 138 kV breaker 'P-2'	APS(100%)
b0961	Replace Pruntytown 138 kV breaker 'P-5'	APS(100%)
b0962	Replace Yukon 138 kV breaker 'Y-18'	APS(100%)
b0963	Replace Yukon 138 kV breaker 'Y-10'	APS(100%)
b0964	Replace Pruntytown 138 kV breaker 'P-11'	APS(100%)
b0965	Replace Springdale 138 kV breaker '138E'	APS(100%)
b0966	Replace Pruntytown 138 kV breaker 'P-8'	APS(100%)
b0967	Replace Pruntytown 138 kV breaker 'P-14'	APS(100%)
b0968	Replace Ringgold 138 kV breaker '#3 XFMR BANK'	APS(100%)
b0969	Replace Springdale 138 kV breaker '138C'	APS(100%)
b0970	Replace Rivesville 138 kV breaker '#8 XFMR BANK'	APS(100%)
b0971	Replace Springdale 138 kV breaker '138F'	APS(100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b0972	Replace Belmont 138 kV breaker 'B-16'		APS(100%)
b0973	Replace Springdale 138 kV breaker '138G'		APS(100%)
b0974	Replace Springdale 138 kV breaker '138V'		APS(100%)
b0975	Replace Armstrong 138 kV breaker 'BROOKVILLE'		APS(100%)
b0976	Replace Springdale 138 kV breaker '138P'		APS(100%)
b0977	Replace Belmont 138 kV breaker 'B-17'		APS(100%)
b0978	Replace Springdale 138 kV breaker '138U'		APS(100%)
b0979	Replace Springdale 138 kV breaker '138D'		APS(100%)
b0980	Replace Springdale 138 kV breaker '138R'		APS(100%)
b0981	Replace Yukon 138 kV breaker 'Y-12'		APS(100%)
b0982	Replace Yukon 138 kV breaker 'Y-17'		APS(100%)
b0983	Replace Yukon 138 kV breaker 'Y-14'		APS(100%)
b0984	Replace Rivesville 138 kV breaker '#10 XFMR BANK'		APS(100%)
b0985	Replace Belmont 138 kV breaker 'B-14'		APS(100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0986	Replace Armstrong 138 kV breaker 'RESERVE BUS'	APS(100%)
b0987	Replace Yukon 138 kV breaker 'Y-16'	APS(100%)
b0988	Replace Springdale 138 kV breaker '138T'	APS(100%)
b0989	Replace Edgelawn 138 kV breaker 'GOFF RUN #632'	APS(100%)
b0990	Change reclosing on Cabot 138 kV breaker 'C-9'	APS(100%)
b0991	Change reclosing on Belmont 138 kV breaker 'B-7'	APS(100%)
b0992	Change reclosing on Belmont 138 kV breaker 'B-12'	APS(100%)
b0993	Change reclosing on Belmont 138 kV breaker 'B-9'	APS(100%)
b0994	Change reclosing on Belmont 138 kV breaker 'B-19'	APS(100%)
b0995	Change reclosing on Belmont 138 kV breaker 'B-21'	APS(100%)
b0996	Change reclosing on Willow Island 138 kV breaker 'FAIRVIEW #84'	APS(100%)
b0997	Change reclosing on Cabot 138 kV breaker 'C-4'	APS(100%)
b0998	Change reclosing on Cabot 138 kV breaker 'C-1'	APS(100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0999	Replace Redbud 138 kV breaker 'BUS TIE'	APS(100%)
b1022.1	Reconfigure the Peters to Bethel Park 138 kV line and Elrama to Woodville 138 kV line to create a 138 kV path from Woodville to Peters and a 138 kV path from Elrama to Bethel Park	APS (96.98%) / DL (3.02%)
b1022.3	Add static capacitors at Smith 138 kV	APS (96.98%) / DL (3.02%)
b1022.4	Add static capacitors at North Fayette 138 kV	APS (96.98%) / DL (3.02%)
b1022.5	Add static capacitors at South Fayette 138 kV	APS (96.98%) / DL (3.02%)
b1022.6	Add static capacitors at Manifold 138 kV	APS (96.98%) / DL (3.02%)
b1022.7	Add static capacitors at Houston 138 kV	APS (96.98%) / DL (3.02%)
b1023.1	Install a 500/138 kV transformer at 502 Junction	APS (100%)
b1023.2	Construct a new Franklin - 502 Junction 138 kV line including a rebuild of the Whiteley - Franklin 138 kV line to double circuit	APS (100%)
b1023.3	Construct a new 502 Junction - Osage 138 kV line	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b1023.4	Construct Braddock 138 kV breaker station that connects the Charleroi - Gordon 138 kV line, Washington - Franklin 138 kV line and the Washington - Vanceville 138 kV line including a 66 MVAR capacitor		APS (100%)
b1027	Increase the size of the shunt capacitors at Enon 138 kV		APS (100%)
b1028	Raise three structures on the Osage - Collins Ferry 138 kV line to increase the line rating		APS (100%)
b1128	Reconductor the Edgewater – Vasco Tap; Edgewater – Loyalhanna 138 kV lines with 954 ACSR		APS (100%)
b1129	Reconductor the East Waynesboro – Ringgold 138 kV line with 954 ACSR		APS (100%)
b1131	Upgrade Double Tollgate – Meadowbrook MDT Terminal Equipment		APS (100%)
b1132	Upgrade Double Tollgate-Meadowbrook MBG terminal equipment		APS (100%)
b1133	Upgrade terminal equipment at Springdale		APS (100%)
b1135	Reconductor the Bartonville – Meadowbrook 138 kV line with high temperature conductor		APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1137	Reconductor the Eastgate – Luxor 138 kV; Eastgate – Sony 138 kV line with 954 ACSR	APS (78.59%) / PENELEC (14.08%) / ECP ** (0.23%) / PSEG (6.83%) / RE (0.27%)
b1138	Reconductor the King Farm – Sony 138 kV line with 954 ACSR	APS (100%)
b1139	Reconductor the Yukon – Waltz Mills 138 kV line with high temperature conductor	APS (100%)
b1140	Reconductor the Bracken Junction – Luxor 138 kV line with 954 ACSR	APS (100%)
b1141	Reconductor the Sewickley – Waltz Mills Tap 138 kV line with high temperature conductor	APS (100%)
b1142	Reconductor the Bartonsville – Stephenson 138 kV; Stonewall – Stephenson 138 kV line with 954 ACSR	APS (100%)
b1143	Reconductor the Youngwood – Yukon 138 kV line with high temperature conductor	APS (89.92%) / PENELEC (10.08%)
b1144	Reconductor the Bull Creek Junction – Cabot 138 kV line with high temperature conductor	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b1145	Reconductor the Lawson Junction – Cabot 138 kV line with high temperature conductor		APS (100%)
b1146	Replace Layton - Smithton #61 138 kV line structures to increase line rating		APS (100%)
b1147	Replace Smith – Yukon 138 kV line structures to increase line rating		APS (100%)
b1148	Reconductor the Loyalhanna – Luxor 138 kV line with 954 ACSR		APS (100%)
b1149	Reconductor the Luxor – Stony Springs Junction 138 kV line with 954 ACSR		APS (100%)
b1150	Upgrade terminal equipment at Social Hall		APS (100%)
b1151	Reconductor the Greenwood – Redbud 138 kV line with 954 ACSR		APS (100%)
b1152	Reconductor Grand Point – South Chambersburg		APS (100%)
b1159	Replace Peters 138 kV breaker ‘Bethel P OCB’		APS (100%)
b1160	Replace Peters 138 kV breaker ‘Cecil OCB’		APS (100%)
b1161	Replace Peters 138 kV breaker ‘Union JctOCB’		APS (100%)
b1162	Replace Double Toll Gate 138 kV breaker ‘DRB-2’		APS (100%)
b1163	Replace Double Toll Gate 138 kV breaker ‘DT 138 kV OCB’		APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1164	Replace Cecil 138 kV breaker 'Enlow OCB'	APS (100%)
b1165	Replace Cecil 138 kV breaker 'South Fayette'	APS (100%)
b1166	Replace Wylie Ridge 138 kV breaker 'W-9'	APS (100%)
b1167	Replace Reid 138 kV breaker 'RI-2'	APS (100%)
b1171.1	Install the second Black Oak 500/138 kV transformer, two 138 kV breaker, and related substation work	BGE (20.76%) / DPL (3.14%) / Dominion (39.55%) / ME (2.71%) / PECO (3.36%) / PEPCO (30.48%)
b1171.3	Install six 500 kV breakers and remove BOL1 500 kV breaker at Black Oak	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b1200	Reconductor Double Toll Gate – Greenwood 138 kV with 954 ACSR conductor	APS (100%)
b1221.1	Convert Carbon Center from 138 kV to a 230 kV ring bus	APS (100%)
b1221.2	Construct Bear Run 230 kV substation with 230/138 kV transformer	APS (100%)

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***Hudson Transmission Partners, LLC

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1221.3	Loop Carbon Center Junction – Williamette line into Bear Run	APS (100%)
b1221.4	Carbon Center – Carbon Center Junction & Carbon Center Junction – Bear Run conversion from 138 kV to 230 kV	APS (100%)
b1230	Reconductor Willow-Eureka & Eureka-St Mary 138 kV lines	APS (100%)
b1232	Reconductor Nipetown – Reid 138 kV with 1033 ACCR	AEC (1.40%) / APS (75.74%) / DPL (1.92%) / JCPL (2.92%) / ME (6.10%) / Neptune (0.27%) / PECO (4.40%) / PENELEC (3.26%) / PPL (3.99%)
b1233.1	Upgrade terminal equipment at Washington	APS (100%)
b1234	Replace structures between Ridgeway and Paper city	APS (100%)
b1235	Reconductor the Albright – Black Oak AFA 138 kV line with 795 ACSS/TW	APS (30.25%) / BGE (16.10%) / Dominion (30.51%) / PEPCO (23.14%)
b1237	Upgrade terminal equipment at Albright, replace bus and line side breaker disconnects and leads, replace breaker risers, upgrade RTU and line	APS (100%)
b1238	Install a 138 kV 44 MVAR capacitor at Edgelawn substation	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1239	Install a 138 kV 44 MVAR capacitor at Ridgeway substation	APS (100%)
b1240	Install a 138 kV 44 MVAR capacitor at Elko Substation	APS (100%)
b1241	Upgrade terminal equipment at Washington substation on the GE Plastics/DuPont terminal	APS (100%)
b1242	Replace structures between Collins Ferry and West Run	APS (100%)
b1243	Install a 138 kV capacitor at Potter Substation	APS (100%)
b1261	Replace Butler 138 kV breaker '1-2 BUS 138'	APS (100%)
b1383	Install 2nd 500/138 kV transformer at 502 Junction	APS (93.27%) / DL (5.39%) / PENELEC (1.34%)
b1384	Reconductor approximately 2.17 miles of Bedington – Shepherdstown 138 kV with 954 ACSR	APS (100%)
b1385	Reconductor Halfway – Paramount 138 kV with 1033 ACCR	APS (100%)
b1386	Reconductor Double Tollgate – Meadow Brook 138 kV ckt 2 with 1033 ACCR	APS (93.33%) / BGE (3.39%) / PEPCO (3.28%)
b1387	Reconductor Double Tollgate – Meadow Brook 138 kV	APS (93.33%) / BGE (3.39%) / PEPCO (3.28%)
b1388	Reconductor Feagans Mill – Millville 138 kV with 954 ACSR	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1389	Reconductor Bens Run – St. Mary’s 138 kV with 954 ACSR	AEP (12.40%) / APS (17.80%) / DL (69.80%)
b1390	Replace Bus Tie Breaker at Opequon	APS (100%)
b1391	Replace Line Trap at Gore	APS (100%)
b1392	Replace structure on Belmont – Trissler 138 kV line	APS (100%)
b1393	Replace structures Kingwood – Pruntytown 138 kV line	APS (100%)
b1395	Upgrade Terminal Equipment at Kittanning	APS (100%)
b1401	Change reclosing on Pruntytown 138 kV breaker ‘P-16’ to 1 shot at 15 seconds	APS (100%)
b1402	Change reclosing on Rivesville 138 kV breaker ‘Pruntytown #34’ to 1 shot at 15 seconds	APS (100%)
b1403	Change reclosing on Yukon 138 kV breaker ‘Y21 Shepler’ to 1 shot at 15 seconds	APS (100%)
b1404	Replace the Kiski Valley 138 kV breaker ‘Vandergrift’ with a 40 kA breaker	APS (100%)
b1405	Change reclosing on Armstrong 138 kV breaker ‘GARETTRJCT’ at 1 shot at 15 seconds	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1406	Change reclosing on Armstrong 138 kV breaker 'KITTANNING' to 1 shot at 15 seconds	APS (100%)
b1407	Change reclosing on Armstrong 138 kV breaker 'BURMA' to 1 shot at 15 seconds	APS (100%)
b1408	Replace the Weirton 138 kV breaker 'Tidd 224' with a 40 kA breaker	APS (100%)
b1409	Replace the Cabot 138 kV breaker 'C9 Kiski Valley' with a 40 kA breaker	APS (100%)
b1507.2	Terminal Equipment upgrade at Doubs substation	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1507.3	Mt. Storm – Doubs transmission line rebuild in Maryland – Total line mileage for APS is 2.71 miles	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b1510	Install 59.4 MVAR capacitor at Waverly	APS (100%)
b1672	Install a 230 kV breaker at Carbon Center	APS (100%)
b0539	Replace Doubs circuit breaker DJ11	APS (100%)
b0540	Replace Doubs circuit breaker DJ12	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0541	Replace Doubs circuit breaker DJ13	APS (100%)
b0542	Replace Doubs circuit breaker DJ20	APS (100%)
b0543	Replace Doubs circuit breaker DJ21	APS (100%)
b0544	Remove instantaneous reclose from Eastalco circuit breaker D-26	APS (100%)
b0545	Remove instantaneous reclose from Eastalco circuit breaker D-28	APS (100%)
b0559	Install 200 MVAR capacitor at Meadow Brook 500 kV substation	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0560	Install 250 MVAR capacitor at Kemptown 500 kV substation	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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** East Coast Power, L.L.C.

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1803	Build a 300 MVAR Switched Shunt at Doubs 500 kV and increase (~50 MVAR) in size the existing Switched Shunt at Doubs 500 kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b1804	Install a new 600 MVAR SVC at Meadowbrook 500kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b1816.1	Replace relaying at the Mt. Airy substation on the Carroll - Mt. Airy 230 kV line	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1816.2	Adjust the control settings of all existing capacitors at Mt Airy 34.5kV, Monocacy 138kV, Ringgold 138kV served by Potomac Edison's Eastern 230 kV network to ensure that all units will be on during the identified N-1-1 contingencies	
b1816.3	Replace existing unidirectional LTC controller on the No. 4, 230/138 kV transformer at Carroll substation with a bidirectional unit	
b1816.4	Isolate and bypass the 138 kV reactor at Germantown Substation	
b1816.6	Replace 336.4 ACSR conductor on the Catoctin - Carroll 138 kV line using 556.5 ACSR (26/7) or equivalent on existing structures (12.7 miles), 800 A wave traps at Carroll and Catoctin with 1200 A units, and 556.5 ACSR SCCIR (Sub-conductor) line risers and bus traps with 795 ACSR or equivalent	

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1822	Replace the 1200 A wave trap, line risers, breaker risers with 1600 A capacity terminal equipment at Reid 138 kV SS	APS (100%)
b1823	Replace the 800 A wave trap with a 1200 A wave trap at Millville 138 kV substation	APS (100%)
b1824	Reconductor Grant Point - Guilford 138kV line approximately 8 miles of 556 ACSR with 795 ACSR	APS (100%)
b1825	Replace the 800 Amp line trap at Butler 138 kV Sub on the Cabot East 138 kV line	APS (100%)
b1826	Change the CT ratio at Double Toll Gate 138 kV SS on MDT line	APS (100%)
b1827	Change the CT ratio at Double Toll Gate 138 kV SS on MBG line	APS (100%)
b1828.1	Reconductor the Bartonville – Stephenson 3.03 mile 138 kV line of 556 ACSR with 795 ACSR	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1828.2	Reconductor the Stonewall – Stephenson 2.08 mile 138 kV line of 556 ACSR with 795 ACSR	APS (100%)
b1829	Replace the existing 138 kV 556.5 ACSR substation conductor risers with 954 ACSR at the Redbud 138 kV substation, including but not limited to the line side disconnect leads	APS (100%)
b1830	Replace 1200 A wave trap and 1024 ACAR breaker risers at Halfway 138 kV substation, and replace 1024 ACAR breaker risers at Paramount 138 kV substation	APS (100%)
b1832	Replace the 1200 A line side and bus side disconnect switches with 1600 A switches, replace bus side, line side, and disconnect leads at Lime Kiln SS on the Doubs - Lime Kiln 1 (207) 230 kV line terminal	APS (100%)
b1833	Replace the 1200 A line side and bus side disconnect switches with 1600 A switches, replace bus side, line side, and disconnect leads at Lime Kiln SS on the Doubs - Lime Kiln 2 (231) 230 kV line terminal	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1835	Reconductor 14.3 miles of 556 ACSR with 795 ACSR from Old Chapel to Millville 138 kV and upgrade line risers at Old Chapel 138 kV and Millville 138 kV and replace 1200 A wave trap at Millville 138 kV	APS (37.68%) / Dominion (34.46%) / PEPCO (13.69%) / BGE (11.45%) / ME (2.01%) / PENELEC (0.53%) / DL (0.18%)
b1836	Replace 1200 A wave trap with 1600 A wave trap at Reid 138 kV SS	APS (100%)
b1837	Replace 750 CU breaker risers with 795 ACSR at Marlowe 138 kV and replace 1200 A wave traps with 1600 A wave traps at Marlowe 138 kV and Bedington 138 kV	APS (100%)
b1838	Replace the 1200 A Bedington 138 kV line air switch and the 1200 A 138 kV bus tie air switch at Nipetown 138 kV with 1600 A switches	APS (100%)
b1839	Install additional 33 MVAR capacitors at Grand Point 138 kV SS and Guildford 138 kV SS	APS (100%)

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Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b1840	Construct a 138 kV line between Buckhannon and Weston 138 kV substations		APS (100%)
b1902	Replace line trap at Stonewall on the Stephenson 138 kV line terminal		APS (100%)
b1941	Loop the Homer City-Handsome Lake 345 kV line into the Armstrong substation and install a 345/138 kV transformer at Armstrong		APS (67.86%) / PENELEC (32.14%)
b1942	Change the CT ratio at Millville to improve the Millville – Old Chapel 138 kV line ratings		APS (100%)
b1964	Convert Moshannon substation to a 4 breaker 230 kV ring bus		APS (41.06%) / DPL (6.68%) / JCPL (5.48%) / ME (10.70%) / Neptune* (0.53%) / PECO (15.53%) / PPL (20.02%)
b1965	Install a 44 MVAR 138 kV capacitor at Luxor substation		APS (100%)
b1986	Upgrade the AP portion of the Elrama – Mitchell 138 kV line by replace breaker risers on the Mitchell 138 kV bus on the Elrama terminal		APS (100%)
b1987	Reconductor the Osage-Collins Ferry 138 kV line with 795 ACSS. Upgrade terminal equipment at Osage and Collins Ferry		APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1988	Raise structures between Lake Lynn and West Run to eliminate the clearance de-rates on the West Run – Lake Lynn 138 kV line	APS (100%)
b1989	Raise structures between Collins Ferry and West Run to eliminate the clearance de-rates on the Collins Ferry - West Run 138 kV line	APS (100%)
b2095	Replace Weirt 138 kV breaker 'S-TORONTO226' with 63kA rated breaker	APS (100%)
b2096	Revise the reclosing of Weirt 138 kV breaker '2&5 XFMR'	APS (100%)
b2097	Replace Ridgeley 138 kV breaker '#2 XFMR OCB'	APS (100%)
b2098	Revise the reclosing of Ridgeley 138 kV breaker 'AR3' with 40kA rated breaker	APS (100%)
b2099	Revise the reclosing of Ridgeley 138 kV breaker 'RC1'	APS (100%)
b2100	Replace Ridgeley 138 kV breaker 'WC4' with 40kA rated breaker	APS (100%)
b2101	Replace Ridgeley 138 kV breaker '1 XFMR OCB' with 40kA rated breaker	APS (100%)
b2102	Replace Armstrong 138 kV breaker 'GARETTRJCT' with 40kA rated breaker	APS (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2103	Replace Armstrong 138 kV breaker 'BURMA' with 40kA rated breaker	APS (100%)
b2104	Replace Armstrong 138 kV breaker 'KITTING' with 40kA rated breaker	APS (100%)
b2105	Replace Armstrong 138 kV breaker 'KISSINGERJCT' with 40kA rated breaker	APS (100%)
b2106	Replace Wylie Ridge 345 kV breaker 'WK-1' with 63kA rated breaker	APS (100%)
b2107	Replace Wylie Ridge 345 kV breaker 'WK-2' with 63kA rated breaker	APS (100%)
b2108	Replace Wylie Ridge 345 kV breaker 'WK-3' with 63kA rated breaker	APS (100%)
b2109	Replace Wylie Ridge 345 kV breaker 'WK-4' with 63kA rated breaker	APS (100%)
b2110	Replace Wylie Ridge 345 kV breaker 'WK-6' with 63kA rated breaker	APS (100%)
b2111	Replace Wylie Ridge 138 kV breaker 'WK-7' with 63kA rated breaker	APS (100%)
b2112	Replace Wylie Ridge 345 kV breaker 'WK-5'	APS (100%)
b2113	Replace Weirton 138 kV breaker 'NO 6 XFMR' with 63kA rated breaker	APS (100%)
b2114	Replace Armstrong 138 kV breaker 'Bus-Tie' (Status On-Hold pending retirement)	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2124.1	Add a new 138 kV line exit	APS (100%)
b2124.2	Construct a 138 kV ring bus and install a 138/69 kV autotransformer	APS (100%)
b2124.3	Add new 138 kV line exit and install a 138/25 kV transformer	APS (100%)
b2124.4	Construct approximately 5.5 miles of 138 kV line	APS (100%)
b2124.5	Convert approximately 7.5 miles of 69 kV to 138 kV	APS (100%)
b2156	Install a 75 MVAR 230 kV capacitor at Shingletown Substation	APS (100%)
b2165	Replace 800A wave trap at Stonewall with a 1200 A wave trap	APS (100%)
b2166	Reconductor the Millville – Sleepy Hollow 138kV 4.25 miles of 556 ACSR with 795 ACSR, upgrade line risers at Sleepy Hollow, and change 1200 A CT tap at Millville to 800	APS (100%)
b2168	For Grassy Falls 138kV Capacitor bank adjust turn-on voltage to 1.0pu with a high limit of 1.04pu, For Crupperneck and Powell Mountain 138kV Capacitor Banks adjust turn-on voltage to 1.01pu with a high limit of 1.035pu	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2169	Replace/Raise structures on the Yukon-Smithton 138 kV line section to eliminate clearance de-rate	APS (100%)
b2170	Replace/Raise structures on the Smithton-Shepler Hill Jct 138 kV line section to eliminate clearance de-rate	APS (100%)
b2171	Replace/Raise structures on the Parsons-William 138 kV line section to eliminate clearance de-rate	APS (100%)
b2172	Replace/Raise structures on the Parsons - Loughs Lane 138 kV line section to eliminate clearance de-rate	APS (100%)

SCHEDULE 12 – APPENDIX A

(14) Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2117	Reconductor 0.33 miles of the Parkersburg - Belpre line and upgrade Parkersburg terminal equipment	APS (100%)
b2118	Add 44 MVAR Cap at New Martinsville	APS (100%)
b2120	Six-Wire Lake Lynn - Lardin 138 kV circuits	APS (100%)
b2142	Replace Weirton 138 kV breaker “Wylie Ridge 210” with 63 kA breaker	APS (100%)
b2143	Replace Weirton 138 kV breaker “Wylie Ridge 216” with 63 kA breaker	APS (100%)
b2174.8	Replace relays at Mitchell substation	APS (100%)
b2174.9	Replace primary relay at Piney Fork substation	APS (100%)
b2174.10	Perform relay setting changes at Bethel Park substation	APS (100%)
b2213	Armstrong Substation: Relocate 138 kV controls from the generating station building to new control building	APS (100%)
b2214	Albright Substation: Install a new control building in the switchyard and relocate controls and SCADA equipment from the generating station building the new control center	APS (100%)
b2215	Rivesville Switching Station: Relocate controls and SCADA equipment from the generating station building to new control building	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2216	Willow Island: Install a new 138 kV cross bus at Belmont Substation and reconnect and reconfigure the 138 kV lines to facilitate removal of the equipment at Willow Island switching station	APS (100%)
b2235	130 MVAR reactor at Monocacy 230 kV	APS (100%)
b2260	Install a 32.4 MVAR capacitor at Bartonville	APS (100%)
b2261	Install a 33 MVAR capacitor at Damascus	APS (100%)
b2267	Replace 1000 Cu substation conductor and 1200 amp wave trap at Marlowe	APS (100%)
b2268	Reconductor 6.8 miles of 138kV 336 ACSR with 336 ACSS from Double Toll Gate to Riverton	APS (100%)
b2299	Reconductor from Collins Ferry - West Run 138 kV with 556 ACSS	APS (100%)
b2300	Reconductor from Lake Lynn - West Run 138 kV	APS (100%)
b2341	Install 39.6 MVAR Capacitor at Shaffers Corner 138 kV Substation	APS (100%)
b2342	Construct a new 138 kV switching station (Shuman Hill substation), which is next the Mobley 138 kV substation and install a 31.7 MVAR capacitor	APS (100%)
b2343	Install a 31.7 MVAR capacitor at West Union 138 kV substation	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2362	Install a 250 MVAR SVC at Squab Hollow 230 kV	APS (100%)
b2362.1	Install a 230 kV breaker at Squab Hollow 230 kV substation	APS (100%)
b2363	Convert the Shingletown 230 kV bus into a 6 breaker ring bus	APS (100%)
b2364	Install a new 230/138 kV transformer at Squab Hollow 230 kV substation. Loop the Forest - Elko 230 kV line into Squab Hollow. Loop the Brookville - Elko 138 kV line into Squab Hollow	APS (100%)
b2412	Install a 44 MVAR 138 kV capacitor at the Hempfield 138 kV substation	APS (100%)
b2433.1	Install breaker and a half 138 kV substation (Waldo Run) with 4 breakers to accommodate service to MarkWest Sherwood Facility including metering which is cut into Glen Falls Lamberton 138 kV line	APS (100%)
b2433.2	Install a 70 MVAR SVC at the new WaldoRun 138 kV substation	APS (100%)
b2433.3	Install two 31.7 MVAR capacitors at the new WaldoRun 138 kV substation	APS (100%)
b2424	Replace the Weirton 138 kV breaker 'WYLIE RID210' with 63 kA breakers	APS (100%)
b2425	Replace the Weirton 138 kV breaker 'WYLIE RID216' with 63 kA breakers	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2426	Replace the Oak Grove 138 kV breaker 'OG1' with 63 kA breakers	APS (100%)
b2427	Replace the Oak Grove 138 kV breaker 'OG2' with 63 kA breakers	APS (100%)
b2428	Replace the Oak Grove 138 kV breaker 'OG3' with 63 kA breakers	APS (100%)
b2429	Replace the Oak Grove 138 kV breaker 'OG4' with 63 kA breakers	APS (100%)
b2430	Replace the Oak Grove 138 kV breaker 'OG5' with 63 kA breakers	APS (100%)
b2431	Replace the Oak Grove 138 kV breaker 'OG6' with 63 kA breakers	APS (100%)
b2432	Replace the Ridgeley 138 kV breaker 'RC1' with a 40 kA rated breaker	APS (100%)
b2440	Replace the Cabot 138kV breaker 'C9-KISKI VLY' with 63kA	APS (100%)
b2472	Replace the Ringgold 138 kV breaker 'RCM1' with 40kA breakers	APS (100%)
b2473	Replace the Ringgold 138 kV breaker '#4 XMFR' with 40kA breakers	APS (100%)
b2475	Construct a new line between Oak Mound 138 kV substation and Waldo Run 138 kV substation	APS (100%)
b2545.1	Construct a new 138 kV substation (Shuman Hill substation) connected to the Fairview –Willow Island (84) 138kV line	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2545.2	Install a ring bus station with five active positions and two 52.8 MVAR capacitors with 0.941 mH reactors	APS (100%)
b2545.3	Install a +90/-30 MVAR SVC protected by a 138 kV breaker	APS (100%)
b2545.4	Remove the 31.7 MVAR capacitor bank at Mobley 138 kV	APS (100%)
b2546	Install a 51.8 MVAR (rated) 138 kV capacitor at Nyswaner 138 kV substation	APS (100%)
b2547.1	Construct a new 138 kV six breaker ring bus Hillman substation	APS (100%)
b2547.2	Loop Smith- Imperial 138 kV line into the new Hillman substation	APS (100%)
b2547.3	Install +125/-75 MVAR SVC at Hillman substation	APS (100%)
b2547.4	Install two 31.7 MVAR 138 kV capacitors	APS (100%)
b2548	Eliminate clearance de-rate on Wylie Ridge – Smith 138 kV line and upgrade terminals at Smith 138 kV, new line ratings 294 MVA (Rate A)/350 MVA (Rate B)	APS (100%)
b2612.1	Relocate All Dam 6 138 kV line and the 138 kV line to AE units 1&2	APS (100%)
b2612.2	Install 138 kV, 3000A bus-tie breaker in the open bus-tie position next to the Shaffers corner 138 kV line	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2612.3	Install a 6-pole manual switch, foundation, control cable, and all associated facilities	APS (100%)
b2666	Yukon 138 kV Breaker Replacement	APS (100%)
b2666.1	Replace Yukon 138 kV breaker “Y-11(CHARL1)” with an 80 kA breaker	APS (100%)
b2666.2	Replace Yukon 138 kV breaker “Y-13(BETHEL)” with an 80 kA breaker	APS (100%)
b2666.3	Replace Yukon 138 kV breaker “Y-18(CHARL2)” with an 80 kA breaker	APS (100%)
b2666.4	Replace Yukon 138 kV breaker “Y-19(CHARL2)” with an 80 kA breaker	APS (100%)
b2666.5	Replace Yukon 138 kV breaker “Y-4(4B-2BUS)” with an 80 kA breaker	APS (100%)
b2666.6	Replace Yukon 138 kV breaker “Y-5(LAYTON)” with an 80 kA breaker	APS (100%)
b2666.7	Replace Yukon 138 kV breaker “Y-8(HUNTING)” with an 80 kA breaker	APS (100%)
b2666.8	Replace Yukon 138 kV breaker “Y-9(SPRINGD)” with an 80 kA breaker	APS (100%)
b2666.9	Replace Yukon 138 kV breaker “Y-10(CHRL-SP)” with an 80 kA breaker	APS (100%)
b2666.10	Replace Yukon 138 kV breaker “Y-12(1-1BUS)” with an 80 kA breaker	APS (100%)
b2666.11	Replace Yukon 138 kV breaker “Y-14(4-1BUS)” with an 80 kA breaker	APS (100%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2666.12	Replace Yukon 138 kV breaker “Y-2(1B-BETHE)” with an 80 kA breaker	APS (100%)
b2666.13	Replace Yukon 138 kV breaker “Y-21(SHEPJ)” with an 80 kA breaker	APS (100%)
b2666.14	Replace Yukon 138 kV breaker “Y-22(SHEPHJT)” with an 80 kA breaker	APS (100%)
b2672	Change CT Ratio at Seneca Caverns from 120/1 to 160/1 and adjust relay settings accordingly	APS (100%)
b2688.3	Carroll Substation: Replace the Germantown 138 kV wave trap, upgrade the bus conductor and adjust CT ratios	AEP (12.91%) / APS (19.04%) / ATSI (1.24%) / ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL (1.11%) / Dominion (44.85%) / EKPC (0.78%) / PEPCO (15.85%) / RECO (0.12%)
b2696	Upgrade 138 kV substation equipment at Butler, Shanor Manor and Krendale substations. New rating of line will be 353 MVA summer normal/422 MVA emergency	APS (100%)
b2700	Remove existing Black Oak SPS	APS (100%)
b2743.6	Reconfigure the Ringgold 230 kV substation to double bus double breaker scheme	AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd (2.16%) / Dayton (0.59%) / DEOK (1.02%) / DL (0.01%) / Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%)

Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company, all doing business as Allegheny Power (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2743.6.1	Replace the two Ringgold 230/138 kV transformers	AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd (2.16%) / Dayton (0.59%) / DEOK (1.02%) / DL (0.01%) / Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%)
b2743.7	Rebuild/Reconductor the Ringgold – Catoctin 138 kV circuit and upgrade terminal equipment on both ends	AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd (2.16%) / Dayton (0.59%) / DEOK (1.02%) / DL (0.01%) / Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%)
<i>b2763</i>	<i>Replace the breaker risers and wave trap at Bredinville 138 kV substation on the Cabrey Junction 138 kV terminal</i>	<i>APS (100%)</i>
<i>b2764</i>	<i>Upgrade Fairview 138 kV breaker risers and disconnect leads; Replace 500 CU breaker risers and 556 ACSR disconnect leads with 795 ACSR</i>	<i>APS (100%)</i>

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement <i>per PJM website</i>	PJM Upgrade ID <i>per PJM spreadsheet</i>	June 2017 - May 2018 Annual Revenue Requirement <i>per PJM website</i>	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹ <i>per PJM Open Access Transmission Tariff</i>	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
Install a second Conastone – Graceton 230 kV circuit	b0497	\$ 5,234,913	9.00%	9.64%	14.07%	0.52%	\$471,142	\$504,646	\$736,552	\$27,222	\$1,739,562
install new 500 kV transmission from Possum Point to Calvert Cliffs	b0512	\$ 1,224,312	1.70%	3.78%	6.22%	0.25%	\$20,813	\$46,279	\$76,152	\$3,061	\$146,305
Totals		\$ -					\$0	\$0	\$0	\$0	\$0
							\$491,955	\$550,925	\$812,704	\$30,282	\$1,885,867

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017TX Peak Load <i>per PJM website</i>	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 67,725.37	9,800.3	\$ 6.91	\$ 474,078	\$ 338,627	\$ 812,704
JCP&L	\$ 45,910.38	5,954.8	\$ 7.71	\$ 321,373	\$ 229,552	\$ 550,925
ACE	\$ 40,996.29	2,673.4	\$ 15.33	\$ 286,974	\$ 204,981	\$ 491,955
RE	\$ 2,523.53	402.0	\$ 6.28	\$ 17,665	\$ 12,618	\$ 30,282
Total Impact on NJ Zones	\$ 157,155.57			\$ 1,100,089	\$ 785,778	\$ 1,885,867

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX

(2) Baltimore Gas and Electric Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0152	Add (2) 230 kV Breakers at High Ridge and install two Northwest 230 kV 120 MVAR capacitors	BGE (100%)
b0244	Install a 4 th Waugh Chapel 500/230kV transformer, terminate the transformer in a new 500 kV bay and operate the existing in-service spare transformer on standby	BGE (85.56%) / ME (0.83%) / PEPSCO (13.61%)
b0298	Replace both Conastone 500/230 kV transformers with larger transformers	As specified in Attachment H-2A, Attachment 7, the Transmission Enhancement Charge Worksheet
b0298.1	Replace Conastone 230 kV breaker 500-3/2323	BGE (100%)
b0474	Add a fourth 230/115 kV transformer, two 230 kV circuit breakers and a 115 kV breaker at Waugh Chapel	BGE (100%)
b0475	Create two 230 kV ring buses at North West, add two 230/ 115 kV transformers at North West and create a new 115 kV station at North West	BGE (100%)
b0476	Rebuild High Ridge 230 kV substation to Breaker and Half configuration	BGE (100%)
b0477	Replace the Waugh Chapel 500/230 kV transformer #1 with three single phase transformers	BGE (90.56%) / ME (1.51%) / PECO (.92%) / PEPSCO (4.01%) / PPL (3.00%)
b0497	Install a second Conastone – Graceton 230 kV circuit	AEC (9.00%) / DPL (16.85%) / JCPL (9.64%) / ME (1.48%) / Neptune* (0.95%) / PECO (30.79%) / PPL (16.41%) / ECP** (0.29%) / PSEG (14.07%) / RE (0.52%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

Baltimore Gas and Electric Company (cont.)

	Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0497.1	Replace Conastone 230 kV breaker #4		BGE (100%)
b0497.2	Replace Conastone 230 kV breaker #7		BGE (100%)
b0500.2	Replace wavetrapp and raise operating temperature on Conastone – Otter Creek 230 kV line to 165 deg		AEC (6.27%) / DPL (8.65 %) / JCPL (14.54%) / ME (10.59%) / Neptune* (1.37%) / PECO (15.66%) / PPL (21.02%) / ECP** (0.57%) / PSEG (20.56%) / RE (0.77%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0729	Rebuild both Harford – Perryman 110615-A and 110616-A 115 kV circuits	BGE (100%)
b0749	Replace 230 kV breaker and associated CT’s at Riverside 230 kV on 2345 line; replace all dead-end structures at Brandon Shores, Hawkins Point, Sollers Point and Riverside; Install a second conductor per phase on the spans entering each station	BGE (100%)
b0795	Install a 115 kV breaker at Chesaco Park	BGE (100%)
b0796	Install 2, 115 kV breakers at Gwynnbrook	BGE (100%)
b0819	Remove line drop limitations at the substation terminations for Gwynnbrook – Mays Chapel 115 kV	BGE (100%)
b0820	Remove line drop limitations at the substation terminations and replace switch for Delight – Gwynnbrook 115 kV	BGE (100%)
b0821	Remove line drop limitations at the substation terminations for Northwest – Delight 115 kV	BGE (100%)
b0822	Remove line drop limitations at the substation terminations for Gwynnbrook – Sudbrook 115 kV	BGE (100%)
b0823	Remove line drop limitations at the substation terminations for Windy Edge – Texas 115 kV	BGE (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0824	Remove line drop limitations at the substation terminations for Granite – Harrisonville 115 kV	BGE (100%)
b0825	Remove line drop limitations at the substation terminations for Harrison – Dolefield 115 kV	BGE (100%)
b0826	Remove line drop limitations at the substation terminations for Riverside – East Point 115 kV	BGE (100%)
b0827	Install an SPS for one year to trip a Mays Chapel 115 kV breaker one line 110579 for line overloads 110509	BGE (100%)
b0828	Disable the HS throwover at Harrisonville for one year	BGE (100%)
b0870	Rebuild each line (0.2 miles each) to increase the normal rating to 968 MVA and the emergency rating to 1227 MVA	BGE (100%)
b0906	Increase contact parting time on Wagner 115 kV breaker 32-3/2	BGE (100%)
b0907	Increase contact parting time on Wagner 115 kV breaker 34-1/3	BGE (100%)
b1016	Rebuild Graceton - Bagley 230 kV as double circuit line using 1590 ACSR. Terminate new line at Graceton with a new circuit breaker.	APS (2.02%) / BGE (75.22%) / Dominion (16.1%) / PEPCO (6.6%)
b1055	Upgrade wire drops at Center 115kV on the Center - Westport 115 kV circuit	BGE (100%)

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-2.

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1029	Upgrade wire sections at Wagner on both 110534 and 110535 115 kV circuits. Reconfigure Lipins Corner substation	BGE (100%)
b1030	Move the Hillen Rd substation from circuits 110507/110508 to circuits 110505/110506	BGE (100%)
b1031	Replace wire sections on Westport - Pumphrey 115 kV circuits #110521, 110524, 110525, and 110526	BGE (100%)
b1083	Upgrade wire sections of the Mays Chapel – Mt Washington circuits (110701 and 110703) to improve the rating to 260/300 SN/SE MVA	BGE (100%)
b1084	Extend circuit 110570 from Deer Park to Northwest, and retire the section of circuit 110560 from Deer Park to Deer Park tap and retire existing Deer Park Breaker	BGE (100%)
b1085	Upgrade substation wire conductors at Lipins Corner to improve the rating of Solley-Lipins Corner sections of circuits 110534 and 110535 to 275/311 MVA SN/SE	BGE (100%)
b1086	Build a new 115 kV switching station between Orchard St. and Monument St.	BGE (100%)
b1175	Apply SPS at Mt. Washington to delay load pick-up for one outage and for the other outage temporarily drop load	BGE (100%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1176	Transfer 6 MW of load from Mt. Washington – East Towson	BGE (100%)
b1251	Build a second Raphael – Bagley 230 kV	APS (4.42%) / BGE (66.95%) / ComEd (4.12%) / Dayton (0.49%) / Dominion (18.76%) / PENELEC (0.05%) / PEPCO (5.21%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1251.1	Re-build the existing Raphael – Bagley 230 kV	APS (4.42%) / BGE (66.95%) / ComEd (4.12%) / Dayton (0.49%) / Dominion (18.76%) / PENELEC (0.05%) / PEPCO (5.21%)
b1252	Upgrade terminal equipment (remove terminal limitation at Pumphrey Tap to bring the circuit to 790N/941E	BGE (100%)
b1253	Replace the existing Northeast 230/115 kV transformer #3 with 500 MVA	BGE (100%)
b1253.1	Replace the Northeast 230 kV breaker ‘2317/315’	BGE (100%)
b1253.2	Revise reclosing on Windy Edge 115 kV breaker ‘110515’	BGE (100%)
b1253.3	Revise reclosing on Windy Edge 115 kV breaker ‘110516’	BGE (100%)
b1253.4	Revise reclosing on Windy Edge 115 kV breaker ‘110517’	BGE (100%)
b1254	Build a new 500/230 kV substation (Emory Grove)	APS (4.07%) / BGE (53.19%) / ComEd (3.71%) / Dayton (0.50%) / Dominion (16.44%) / PENELEC (0.59%) / PEPCO (21.50%)
b1254.1	Bundle the Emory – North West 230 kV circuits	BGE (100%)
b1267	Rebuild existing Erdman 115 kV substation to a dual ring-bus configuration to enable termination of new circuits	BGE (100%)
b1267.1	Construct 115 kV double circuit underground line from existing Coldspring to Erdman substation	BGE (100%)
b1267.2	Replace Mays Chapel 115 kV breaker ‘110515A’	BGE (100%)
b1267.3	Replace Mays Chapel 115 kV breaker ‘110579C’	BGE (100%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1544	Advance the baseline upgrade B1252 to upgrade terminal equipment removing terminal limitation at Pumphrey Tap on BGE 230 kV circuit 2332-A	BGE (100%)
b1545	Upgrade terminal equipment at both Brandon Shores and Waugh Chapel removing terminal limitation on BGE 230 kV circuit 2343	BGE (100%)
b1546	Upgrade terminal equipment at Graceton removing terminal limitation on BGE portion of the 230 kV Graceton – Cooper circuit 2343	BGE (100%)
b1583	Replace Hazelwood 115 kV breaker '110602'	BGE (100%)
b1584	Replace Hazelwood 115 kV breaker '110604'	BGE (100%)
b1606.1	Moving the station supply connections of the Hazelwood 115/13kV station	BGE (100%)
b1606.2	Installing 115kV tie breakers at Melvale	BGE (100%)
b1785	Revise the reclosing for Pumphrey 115 kV breaker '110521 DR'	BGE (100%)
b1786	Revise the reclosing for Pumphrey 115 kV breaker '110526 DR'	BGE (100%)
b1789	Revise the reclosing for Pumphrey 115 kV breaker '110524DR'	BGE (100%)
b1806	Rebuild Wagner 115kV substation to 80kA	BGE (100%)

SCHEDULE 12 – APPENDIX A

(2) Baltimore Gas and Electric Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2219	Install a 115 kV tie breaker at Wagner to create a separation from line 110535 and transformer 110-2	BGE (100%)
b2220	Install four 115 kV breakers at Chestnut Hill	BGE (100%)
b2221	Install an SPS to trip approximately 19 MW load at Green St. and Concord	BGE (100%)
b2307	Install a 230/115kV transformer at Raphael Rd and construct approximately 3 miles of 115kV line from Raphael Rd. to Joppatowne. Construct a 115kV three breaker ring at Joppatowne	BGE (100%)
b2308	Build approximately 3 miles of 115kV underground line from Bestgate tap to Waugh Chapel. Create two breaker bay at Waugh Chapel to accommodate the new underground circuit	BGE (100%)
b2396	Build a new Camp Small 115 kV station and install 30 MVAR capacitor	BGE (100%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2396.1	Install a tie breaker at Mays Chapel 115 kV substation	BGE (100%)
b2567	Upgrade the Riverside 115kV substation strain bus conductors on circuits 115012 and 115011 with double bundled 1272 ACSR to achieve ratings of 491/577 MVA SN/SE on both transformer leads	BGE (100%)
b2568	Reconductor Northwest – Northwest #2 115kV 110574 substation tie circuit with 2167 ACSR to achieve ratings of 400/462 MVA SN/SE	BGE (100%)
b2752.6	Conastone 230 kV substation tie-in work (install a new circuit breaker at Conastone 230 kV and upgrade any required terminal equipment to terminate the new circuit)	AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd (2.16%) / Dayton (0.59%) / DEOK (1.02%) / DL (0.01%) / Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%)
b2752.7	Reconductor/Rebuild the two Conastone – Northwest 230 kV lines and upgrade terminal equipment on both ends	AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd (2.16%) / Dayton (0.59%) / DEOK (1.02%) / DL (0.01%) / Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%)

Baltimore Gas and Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2766.1	Upgrade substation equipment at Conastone 500 kV to increase facility rating to 2826 MVA normal and 3525 MVA emergency	<p>Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / ECP** (0.20%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%)</p> <p>DFAX Allocation: AEC (0.05%) / APS (11.16%) / BGE (22.34%) / Dayton (2.18%) / DEOK (4.19%) / DPL (0.20%) / ECP** (1.03%) / EKPC (1.94%) / JCPL (10.82%) / NEPTUNE* (1.14%) / HTP*** (1.10%) / POSEIDON**** (0.63%) / PENELEC (0.06%) / PEPECO (18.97%) / PSEG (23.26%) / RECO (0.93%)</p>

*Neptune Regional Transmission System, LLC

** East Coast Power, LLC

***Hudson Transmission Partners, LLC

****Poseidon Transmission 1, LLC

Attachment 2C PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
 Calculation of costs and monthly PJM charges for PPL Projects

Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	June 2017- May 2018 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
New 500 KV Susquehana-Roseland Line	b0487	\$ 94,007,965.00	1.70%	3.78%	6.22%	0.25%	\$1,598,135	\$3,553,501	\$5,847,295	\$235,020	\$11,233,952
Replace wave trap at Alburtus 500 kV Sub	b0171.2	\$ 10,646.00	1.70%	3.78%	6.22%	0.25%	\$181	\$402	\$662	\$27	\$1,272
Replace wavetrap at Hosensack 500KV Sub	b0172.1	\$ 7,634.00	1.70%	3.78%	6.22%	0.25%	\$130	\$289	\$475	\$19	\$912
Replace wavetraps at Juniata 500KV Sub	b0284.2	\$ 15,445.00	1.70%	3.78%	6.22%	0.25%	\$263	\$584	\$961	\$39	\$1,846
New S-R additions < 500kV ²	b0487.1	\$ 2,146,064.00	0.00%	0.00%	5.13%	0.19%	\$0	\$0	\$110,093	\$4,078	\$114,171
New substation and transformers Middletown	b0468	\$ 3,068,630.00	0.00%	4.55%	5.93%	0.22%	\$0	\$139,623	\$181,970	\$6,751	\$328,343
Totals							\$1,598,709	\$3,694,399	\$6,141,456	\$245,933	\$11,680,496

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017 Peak Load per PJM website	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 511,788.00	9,800.3	\$ 52.22	\$ 3,582,516	\$ 2,558,940	\$ 6,141,456
JCP&L	\$ 307,866.55	5,954.8	\$ 51.70	\$ 2,155,066	\$ 1,539,333	\$ 3,694,399
ACE	\$ 133,225.73	2,673.4	\$ 49.83	\$ 932,580	\$ 666,129	\$ 1,598,709
RE	\$ 20,494.39	402.0	\$ 50.98	\$ 143,461	\$ 102,472	\$ 245,933
Total Impact on NJ Zones	\$ 973,374.66			\$ 6,813,623	\$ 4,866,873	\$ 11,680,496

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX

(9) PPL Electric Utilities Corporation

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0074	Rebuild 12 miles of S. Akron – Berks 230 kV to double circuit, looping Met Ed’s S. Lebanon – S. Reading line into Berks; replacement of S. Reading 230 kV breaker 107252	PPL (100%)
b0171.2	Replace wavetrap at Hosensack 500kV substation to increase rating of Elroy - Hosensack 500 kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0172.1	Replace wave trap at Alburdis 500kV substation	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0284.2	Replace two wave traps at Juniata 500 kV – on the two Juniata – Airydale 500 kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0284.4	Changes at Juniata 500 kV substation	PPL (100%)
b0293.1	Replace wavetrap at the Martins Creek 230 kV bus	PPL (100%)
b0293.2	Raise the operating temperature of the 2-1590 ACSR to 140C for the Martins Creek – Portland 230 kV circuit	PPL (100%)
b0440	Spare Juniata 500/230 kV transformer	PPL (100%)
b0468	Build a new substation with two 150 MVA transformers between Dauphin and Hummelstown 230/69 kV substations by sectionalizing the Middletown Junction – New Lebanon 230 kV line	JCPL (4.55%) / Neptune* (0.37%) / PECO (1.79%) / PENELEC (0.33%) / PPL (86.63%) / ECP** (0.18%) / PSEG (5.93%) / RE (0.22%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0469	Install 130 MVAR capacitor at West Shore 230 kV line	PPL (100%)
b0487	Build new 500 kV transmission facilities from Susquehanna to Pennsylvania – New Jersey border at Bushkill	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0487.1	Install Lackawanna 500/230 kV transformer and upgrade 230 kV substation and switchyard	PENELEC (16.90%) / PPL (77.59%) / ECP** (0.19%) / PSEG (5.13%) / RE (0.19%)
b0500.1	Conastone – Otter Creek 230 kV – Reconductor approximately 17.2 miles of 795 kmil ACSR with new 795 kmil ACSS operated at 160 deg C	AEC (6.27%) / DPL (8.65%) / JCPL (14.54%) / ME (10.59%) / Neptune* (1.37%) / PECO (15.66%) / PPL (21.02%) / ECP** (0.57%) / PSEG (20.56%) / RE (0.77%)

*Neptune Regional Transmission System, LLC

**East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

The Annual Revenue Requirements associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-8G.

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0558	Install 250 MVAR capacitor at Juniata 500 kV substation	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0593	Eldred – Pine Grove 69 kV line Rebuild Part 2: 8 miles	PPL (100%)
b0595	Rebuild Lackawanna – Edella 69 kV line to double circuit	PPL (100%)
b0596	Reconductor and rebuild Stanton – Providence 69 kV #1 and #2 lines with 69 kV design; approximately 8 miles total	PPL (100%)
b0597	Reconductor Suburban – Providence 69 kV #1 and resectionalize the Suburban 69 kV lines	PPL (100%)
b0598	Reconductor Suburban Taps #1 and #2 for 69 kV line portions	PPL (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0600	Tripp Park Substation: 69 kV tap off Stanton – Providence 69 kV line #3 to new substation	PPL (100%)
b0601	Jessup Substation: New 138/69 kV tap off of Peckville – Jackson 138/69 kV line	PPL (100%)
b0604	Add 150 MVA, 230/138/69 transformer #6 to Harwood substation	PPL (100%)
b0605	Reconductor Stanton – Old Forge 69 kV line and resectionalize the Jenkins – Scranton 69 kV #1 and #2 lines	PPL (100%)
b0606	New 138 kV tap off Monroe – Jackson 138 kV #1 line to Bartonsville substation	PPL (100%)
b0607	New 138 kV taps off Monroe – Jackson 138 kV lines to Stroudsburg substation	PPL (100%)
b0608	New 138 kV tap off Siegfried – Jackson 138 kV #2 to transformer #2 at Gilbert substation	PPL (100%)
b0610	At South Farmersville substation, a new 69 kV tap off Nazareth – Quarry #2 to transformer #2	PPL (100%)
b0612	Rebuild Siegfried – North Bethlehem portion (6.7 miles) of Siegfried – Quarry 69 kV line	PPL (100%)
b0613	East Tannersville Substation: New 138 kV tap to new substation	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required	Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0614	Elroy substation expansion and new Elroy – Hatfield 138/69 kV double circuit lines (1.9 miles)		PPL (100%)
b0615	Reconductor and rebuild 12 miles of Seidersville – Quakerstown 138/69 kV and a new 75 MVA, 230/69 kV transformer #4		PPL (100%)
b0616	New Springfield 230/69 kV substation and transmission line connections		PPL (100%)
b0620	New 138 kV line and terminal at Monroe 230/138 substation		PPL (100%)
b0621	New 138 kV line and terminal at Siegfried 230/138 kV substation and add a second circuit to Siegfried – Jackson for 8.0 miles		PPL (100%)
b0622	138 kV yard upgrades and transmission line rearrangements at Jackson 138/69 kV substation		PPL (100%)
b0623	New West Shore – Whitehill Taps 138/69 kV double circuit line (1.3 miles)		PPL (100%)
b0624	Reconductor Cumberland – Wertzville 69 kV portion (3.7 miles) of Cumberland – West Shore 69 kV line		PPL (100%)
b0625	Reconductor Mt. Allen – Rossmoyne 69 kV portions (1.6 miles) of West Shore – Cumberland #3 and #4 lines		PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0627	Replace UG cable from Walnut substation to Center City Harrisburg substation for higher ampacity (0.25 miles)	PPL (100%)
b0629	Lincoln substation: 69 kV tap to convert to modified Twin A	PPL (100%)
b0630	W. Hempfield – Donegal 69 kV line: Reconductor / rebuild from Landisville Tap – Mt. Joy (2 miles)	PPL (100%)
b0631	W. Hempfield – Donegal 69 kV line: Reconductor / rebuild to double circuit from Mt. Joy – Donegal (2 miles)	PPL (100%)
b0632	Terminate new S. Manheim – Donegal 69 kV circuit into S. Manheim 69 kV #3	PPL (100%)
b0634	Rebuild S. Manheim – Fuller 69 kV portion (1.0 mile) of S. Manheim – West Hempfield 69 kV #3 line into a 69 kV double circuit	PPL (100%)
b0635	Reconductor Fuller Tap – Landisville 69 kV (4.1 miles) into a 69 kV double circuit	PPL (100%)
b0703	Berks substation modification on Berks – South Akron 230 kV line. Modification will isolate the line fault on the South Akron line and will allow Berks transformer #2 to be energized by the South Lebanon 230 kV circuit	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0705	New Derry – Millville 69 kV line	PPL (100%)
b0707	Construct Bohemia – Twin Lakes 69 kV line, install a 10.9 MVAR capacitor bank near Bohemia 69 kV substation	PPL (100%)
b0708	New 69 kV double circuit from Jackson – Lake Naomi Tap	PPL (100%)
b0709	Install new 69 kV double circuit from Carlisle – West Carlisle	PPL (100%)
b0710	Install a third 69 kV line from Reese’s Tap to Hershey substation	PPL (100%)
b0711	New 69 kV that taps West Shore – Cumberland 69 kV #1 to Whitehill 69 kV substation	PPL (100%)
b0712	Construct a new 69 kV line between Strassburg Tap and the Millwood – Engleside 69 kV #1 line	PPL (100%)
b0713	Construct a new 138 kV double circuit line between Dillersville Tap and the West Hempfield – Prince 138 kV line	PPL (100%)
b0714	Prepare Roseville Tap for 138 kV conversion	PPL (100%)
b0715	Transfer S. Akron – S. Manheim #1 and #2 lines from the S. Akron 69 kV Yard to the S. Akron 138 kV Yard; Install switches on S. Akron – S. Manheim 138 kV #1 and #2 lines	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0716	Add a second 69 kV line from Morgantown – Twin Valley	PPL (100%)
b0717	Rebuild existing Brunner Island – West Shore 230 kV line and add a second Brunner Island – West Shore 230 kV line	PPL (100%)
b0718	SPS scheme to drop 190 MVA of 69 kV radial load at West Shore and 56 MVA of 69 kV radial load at Cumberland	PPL (100%)
b0719	SPS scheme at Jenkins substation to open the Stanton #1 and Stanton #2 230 kV circuit breakers after the second contingency	PPL (100%)
b0791	Add a fourth 230/69 kV transformer at Stanton	PENELEC (9.55%) / PPL (90.45%)
b1074	Install motor operators on the Jenkins 230 kV ‘2W’ disconnect switch and build out Jenkins Bay 3 and have MOD ‘3W’ operated as normally open	PPL (100%)
b0881	Install motor operators on Susquehanna T21 - Susquehanna 230 kV line East CB at Susquehanna 230 kV switching station	PPL (100%)
b0908	Install motor operators at South Akron 230 kV	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0909	Convert Jenkins 230 kV yard into a 3-breaker ring bus	PPL (100%)
b0910	Install a second 230 kV line between Jenkins and Stanton	PPL (100%)
b0911	Install motor operators at Frackville 230 kV	PPL (100%)
b0912	Install 2, 10.8 MVAR capacitor banks at Scranton 69 kV	PPL (100%)
b0913	Extend Cando Tap to the Harwood-Jenkins #2 69 kV line	PPL (100%)
b0914	Build a 3rd 69 kV line from Harwood to Valmont Taps	PPL (100%)
b0915	Replace Walnut-Center City 69 kV cable	PPL (100%)
b0916	Reconductor Sunbury-Dalmatia 69 kV line	PPL (100%)
b1021	Install a new (#4) 138/69 kV transformer at Wescosville	PPL (100%)
b1196	Remove the Siegfried bus tie breaker and install a new breaker on the Martins Creek 230 kV line west bay to maintain two ties between the 230 kV buses	PPL (100%)
b1201	Rebuild the Hercules Tap to Double Circuit 69 kV	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1202 Mack-Macungie Double Tap, Single Feed Arrangement		PPL (100%)
b1203 Add the 2nd Circuit to the East Palmerton-Wagners-Lake Naomi 138/69 kV Tap		PPL (100%)
b1204 New Breinigsville 230-69 kV Substation		PPL (100%)
b1205 Siegfried-East Palmerton #1 69 kV Line- Install new 69 kV LSAB, Sectionalize, and Transfer Treichlers Substation		PPL (100%)
b1206 Siegfried-Quarry #1 & #2 69 kV Lines- Rebuild 3.3 mi from Quarry Substation to Macada Taps		PPL (100%)
b1209 Convert Neffsville Taps from 69 kV to 138 kV Operation		PPL (100%)
b1210 Convert Roseville Taps from 69 kV to 138 kV Operation (Part 1 – operate on the 69 kV system)		PPL (100%)
b1211 Convert Roseville Taps from 69 kV to 138 kV Operation (Part 2 – operate on the 138 kV system)		PPL (100%)
b1212 New 138 kV Taps to Flory Mill 138/69 kV Substation		PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1213	Convert East Petersburg Taps from 69 kV to 138 kV operation, install two 10.8 MVAR capacitor banks	PPL (100%)
b1214	Terminate South Manheim-Donegal #2 at South Manheim, Reduce South Manheim 69 kV Capacitor Bank, Resectionalize 69 kV	PPL (100%)
b1215	Reconductor and rebuild 16 miles of Peckville-Varden 69 kV line and 4 miles of Blooming Grove-Honesdale 69 kV line	PPL (100%)
b1216	Build approximately 2.5 miles of new 69 kV transmission line to provide a “double tap – single feed” connection to Kimbles 69/12 kV substation	PPL (100%)
b1217	Provide a “double tap – single feed” connection to Tafton 69/12 kV substation	PPL (100%)
b1524	Build a new Pocono 230/69 kV substation	PPL (100%)
b1524.1	Build approximately 14 miles new 230 kV South Pocono – North Pocono line	PPL (100%)
b1524.2	Install MOLSABs at Mt. Pocono substation	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1525	Build new West Pocono 230/69 kV Substation	PPL (100%)
b1525.1	Build approximately 14 miles new 230 kV Jenkins-West Pocono 230 kV Line	PPL (100%)
b1525.2	Install Jenkins 3E 230 kV circuit breaker	PPL (100%)
b1526	Install a new Honeybrook – Twin Valley 69/138 kV tie	PPL (100%)
b1527	Construct a new 230/69 kV North Lancaster substation. The sub will be supplied from the SAKR-BERK 230kV Line	PPL (100%)
b1527.1	Construct new 69/138 kV transmission from North Lancaster 230/69 kV sub to Brecknock and Honeybrook areas	PPL (100%)
b1528	Install Motor-Operated switches on the Wescosville-Trexlerstown #1 & #2 69 kV lines at East Texas Substation	PPL (100%)
b1529	Add a double breaker 230 kV bay 3 at Hosensack	PPL (100%)
b1530	Replace Lock Haven 69kV ring bus with standard breaker and half design	PPL (100%)
b1532	Install new 32.4 MVAR capacitor bank at Sunbury	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1533	Rebuild Lycoming-Lock Haven #1 and Lycoming-Lock Haven #2 69kV lines	PPL (100%)
b1534	Rebuild 1.4 miles of the Sunbury-Milton 69kV	PPL (100%)
b1601	Re-configure the Breinigsville 500 kV substation with addition two 500 kV circuit breakers	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPSCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)†
b1602	Re-configure the ElimSPORT 230 kV substation to breaker and half scheme and install 80 MVAR capacitor	PPL (100%)
b1740	Install a 90 MVAR cap bank on the Frackville 230 kV bus #207973	PPL (100%)
b1756	Install a 3rd West Shore 230/69 kV transformer	PPL (100%)
b1757	Install a 230 kV motor-operated air-break switch on the Clinton - ElimSPORT 230 kV line	PPL (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

PPL Electric Utilities Corporation (cont.)

Required	Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1758	Rebuild 1.65 miles of Columbia - Danville 69 kV line		PPL (100%)
b1759	Install a 69 kV 16.2 MVAR Cap at Milton substation		PPL (100%)
b1760	Install motor operated devices on the existing disconnect switches that are located on each side of all four 230 kV CBs at Stanton		PPL (100%)
b1761	Build a new Paupack - North 230 kV line (Approximately 21 miles)		PPL (100%)
b1762	Replace 3.7 miles of the existing 230 kV Blooming Grove - Peckville line by building 8.4 miles of new 230 kV circuit onto the Lackawanna - Hopatcong tower-line		PPL (100%)
b1763	Re-terminate the Peckville - Jackson and the Peckville - Varden 69 kV lines from Peckville into Lackawanna		PPL (100%)
b1764	Build a new 230-69 kV substations (Paupack)		PPL (100%)
b1765	Install a 16.2 MVAR capacitor bank at Bohemia 69-12 kV substation		PPL (100%)
b1766	Reconductor/rebuild 3.3 miles of the Siegfried - Quarry #1 and #2 lines		PPL (100%)
b1767	Install 6 motor-operated disconnect switches at Quarry substation		PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1788	Install a new 500 kV circuit breaker at Wescosville	PPL (100%)
b1890	Add a second 230/69 kV transformer at North Pocono (NE/Pocono Reliability Project)	PPL (100%)
b1891	Build a new 230/138 kV Yard at Lackawanna (138 kV conversion from Lackawanna to Jenkins)	PPL (100%)
b1892	Rebuild the Throop Taps for 138 kV operation (138 kV Conversion from Lackawanna to Jenkins)	PPL (100%)
b1893	Swap the Staton - Old Forge and Stanton - Brookside 69 kV circuits at Stanton (138 kV Conversion from Lackawanna to Jenkins)	PPL (100%)
b1894	Rebuild and re-conductor 2.5 miles of the Stanton - Avoca 69 kV line	PPL (100%)
b1895	Rebuild and re-conductor 4.9 miles of the Stanton - Providence #1 69 kV line	PPL (100%)
b1896	Install a second 230/138 kV transformer and expand the 138 kV yard at Monroe	PPL (100%)
b1897	Build a new 230/138 kV substation at Jenkins (138 kV Conversion from Lackawanna to Jenkins)	PPL (100%)
b1898	Install a 69 kV Tie Line between Richfield and Dalmatia substations	PPL (100%)
b2004	Replace the CTs and switch in South Akron Bay 4 to increase the rating	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2005	Replace the CTs and switch in SAKR Bay 3 to increase the rating of the Millwood-South Akron 230 kV Line and of the rating in Bay 3	PPL (100%)
b2006	Install North Lancaster 500/230 kV substation (below 500 kV portion)	AEC (1.10%) / ECP** (0.37%) / HTP (0.37%) / JCPL (9.61%) / ME (19.42%) / Neptune* (0.75%) / PECO (6.01%) / PPL (50.57%) / PSEG (11.35%) / RE (0.45%)
b2006.1	Install North Lancaster 500/230 kV substation (500 kV portion)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b2007	Install a 90 MVAR capacitor bank at the Frackville 230 kV Substation	PPL (100%)
b2158	Install 10.8 MVAR capacitor at West Carlisle 69/12 kV substation	PPL (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

SCHEDULE 12 – APPENDIX A

(9) PPL Electric Utilities Corporation

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1813.12	Replace the Blooming Grove 230 kV breaker 'Peckville'		PPL (100%)
b2223	Rebuild and reconductor 2.6 miles of the Sunbury - Dauphin 69 kV circuit		PPL (100%)
b2224	Add a 2nd 150 MVA 230/69 kV transformer at Springfield		PPL (100%)

PPL Electric Utilities Corporation (cont.)

<i>Required Transmission Enhancements</i>	<i>Annual Revenue Requirement</i>	<i>Responsible Customer(s)</i>
b2237	150 MVAR shunt reactor at Alburdis 500 kV	<p>Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)</p> <p>DFAX Allocation: PPL (100%)</p>
b2238	100 MVAR shunt reactor at Elimspport 230 kV	PPL (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2269	Rebuild approximately 23.7 miles of the Susquehanna - Jenkins 230kV circuit. This replaces a temporary SPS that is already planned to mitigate the violation until this solution is implemented	PPL (100%)
b2282	Rebuild the Siegfried-Frackville 230 kV line	PPL (100%)
b2406.1	Rebuild Stanton-Providence 69 kV 2&3 9.5 miles with 795 SCSR	PPL (100%)
b2406.2	Reconductor 7 miles of the Lackawanna - Providence 69 kV #1 and #2 with 795 ACSR	PPL (100%)
b2406.3	Rebuild SUB2 Tap 1 (Lackawanna - Scranton 1) 69 kV 1.5 miles 556 ACSR	PPL (100%)
b2406.4	Rebuild SUB2 Tap 2 (Lackawanna - Scranton 1) 69 kV 1.6 miles 556 ACSR	PPL (100%)
b2406.5	Create Providence - Scranton 69 kV #1 and #2, 3.5 miles with 795 ACSR	PPL (100%)
b2406.6	Rebuild Providence 69 kV switchyard	PPL (100%)
b2406.7	Install 2 - 10.8 MVAR capacitors at EYNO 69 kV	PPL (100%)
b2406.8	Rebuild Stanton 230 kV yard	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2446	Replace wave trap and protective relays at Montour	PPL (100%)
b2447	Replace wave trap and protective relays at Montour	PPL (100%)
b2448	Install a 2nd Sunbury 900MVA 500-230kV transformer and associated equipment	PPL (100%)
b2552.2	Reconductor the North Meshoppen - Oxbow – Lackawanna 230 kV circuit and upgrade terminal equipment (PPL portion)	PENELEC (100%)
b2574	Replace the Sunbury 230 kV ‘MONTOUR NORT’ breaker with a 63kA breaker	PPL (100%)
b2690	Reconductor two spans of the Graceton – Safe Harbor 230 kV transmission line. Includes termination point upgrades	PPL (100%)
b2691	Reconductor three spans limiting Brunner Island – Yorkana 230 kV line, add 2 breakers to Brunner Island switchyard, upgrade associated terminal equipment	PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2716	Add a 200 MVAR shunt reactor at Lackawanna 500 kV substation	<p>Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)</p> <p>DFAX Allocation: PPL (100%)</p>
b2754.1	<i>Install 7 miles of optical ground wire (OPGW) between Gilbert and Springfield 230 kV substations</i>	<i>PPL (100%)</i>
b2754.4	<i>Use ~ 40 route miles of existing fibers on PPL 230 kV system to establish direct fiber circuits</i>	<i>PPL (100%)</i>
b2754.5	<i>Upgrade relaying at Martins Creek 230 kV</i>	<i>PPL (100%)</i>
b2756	<i>Install 2% reactors at Martins Creek 230 kV</i>	<i>PPL (100%)</i>

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

Attachment 2D PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
 Calculation of costs and monthly PJM charges for ACE Projects

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement <i>per PJM website</i>	PJM Upgrade ID <i>per PJM spreadsheet</i>	June 2017 - May 2018 Annual Revenue Requirement <i>per PJM website</i>	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹ <i>per PJM Open Access Transmission Tariff</i>	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
Upgrade AE portion of Delco Tap	b0265	\$ 573,925	89.87%	9.48%	0.00%	0.00%	\$515,786	\$54,408	\$0	\$0	\$570,194
Replace Monroe 230/69 kV TXfms	b0276	\$ 877,862	91.28%	0.00%	8.29%	0.23%	\$801,312	\$0	\$72,775	\$2,019	\$876,106
Reconductor Union - Corson 138 kV	b0211	\$ 1,496,892	65.23%	25.87%	6.35%	0.00%	\$976,423	\$387,246	\$95,053	\$0	\$1,458,721
New 500/230 Kv Sub on Salem-East Windsor (>500 kV portion)	b0210.A	\$ 2,998,498	1.70%	3.78%	6.22%	0.25%	\$50,974	\$113,343	\$186,507	\$7,496	\$358,321
New 500/230kV Sub on Salem-East Windsor (< 500kV) portion ²	b0210.B	\$ 2,138,040	65.23%	25.87%	6.35%	0.00%	\$1,394,643	\$553,111	\$135,766	\$0	\$2,083,520
Reconductor the existing Mickleton - Goucestr 230 kV circuit (AE portion)	b1398.5	\$ 534,416	0.00%	12.82%	31.46%	1.25%	\$0	\$68,512	\$168,127	\$6,680	\$243,320
	b1398.5.3.1	\$ 1,690,931	0.00%	12.82%	31.46%	1.25%	\$0	\$216,777	\$531,967	\$21,137	\$769,881
Upgrade the Mill T2 138/69 kV Transformer	b1600	\$ 1,980,620	88.83%	4.74%	5.78%	0.23%	\$1,759,385	\$93,881	\$114,480	\$4,555	\$1,972,301
							\$5,498,524	\$1,487,279	\$1,304,674	\$41,888	\$8,332,364

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017TX Peak Load per PJM website	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 108,722.79	9,800.3	\$ 11.09	\$ 761,060	\$ 543,614	\$ 1,304,674
JCP&L	\$ 123,939.92	5,954.8	\$ 20.81	\$ 867,579	\$ 619,700	\$ 1,487,279
ACE	\$ 458,210.35	2,673.4	\$ 171.40	\$ 3,207,472	\$ 2,291,052	\$ 5,498,524
RE	\$ 3,490.63	402.0	\$ 8.68	\$ 24,434	\$ 17,453	\$ 41,888
Total Impact on NJ Zones	\$ 694,363.70			\$ 4,860,546	\$ 3,471,818	\$ 8,332,364

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX**(1) Atlantic City Electric Company**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0135	Build new Cumberland – Dennis 230 kV circuit which replaces existing Cumberland – Corson 138 kV	AEC (100%)
b0136	Install Dennis 230/138 kV transformer, Dennis 150 MVAR SVC and 50 MVAR capacitor	AEC (100%)
b0137	Build new Dennis – Corson 138 kV circuit	AEC (100%)
b0138	Install Cardiff 230/138 kV transformer and a 50 MVAR capacitor at Cardiff	AEC (100%)
b0139	Build new Cardiff – Lewis 138 kV circuit	AEC (100%)
b0140	Reconductor Laurel – Woodstown 69 kV	AEC (100%)
b0141	Reconductor Monroe – North Central 69 kV	AEC (100%)
b0265	Upgrade AE portion of Delco Tap – Mickleton 230 kV circuit	AEC (89.87%) / JCPL (9.48%) / Neptune* (0.65%)
b0276	Replace both Monroe 230/69 kV transformers	AEC (91.28%) / PSEG (8.29%) / RE (0.23%) / ECP** (0.20%)
b0276.1	Upgrade a strand bus at Monroe to increase the rating of transformer #2	AEC (100%)
b0277	Install a second Cumberland 230/138 kV transformer	AEC (100%)
b0281.1	Install 35 MVAR capacitor at Lake Ave 69 kV substation	AEC (100%)

Atlantic City Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0281.2	Install 15 MVAR capacitor at Shipbottom 69 kV substation	AEC (100%)
b0281.3	Install 8 MVAR capacitors on the AE distribution system	AEC (100%)
b0142	Reconductor Landis – Minotola 138 kV	AEC (100%)
b0143	Reconductor Beckett – Paulsboro 69 kV	AEC (100%)
b0210	Install a new 500/230kV substation in AEC area. The high side will be tapped on the Salem - East Windsor 500kV circuit and the low side will be tapped on the Churchtown - Cumberland 230kV circuit.	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0210.1	Orchard – Cumberland – Install second 230 kV line	AEC (65.23%) / JCPL (25.87%) / Neptune* (2.55%) / PSEG (6.35%)††
b0210.2	Install a new 500/230kV substation in AEC area, the high side will be tapped on the Salem - East Windsor 500kV circuit and the low side will be tapped on the Churchtown - Cumberland 230kV circuit.	AEC (65.23%) / JCPL (25.87%) / Neptune* (2.55%) / PSEG (6.35%)††

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

† Cost allocations associated with Regional Facilities and Necessary Lower Voltage Facilities associated with the project

†† Cost allocations associated with below 500 kV elements of the project

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-1.

Atlantic City Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0211	Reconductor Union - Corson 138kV circuit	AEC (65.23%) / JCPL (25.87%) / Neptune* (2.55%) / PSEG (6.35%)
b0212	Substation upgrades at Union and Corson 138kV	AEC (65.23%) / JCPL (25.87%) / Neptune* (2.55%) / PSEG (6.35%)
b0214	Install 50 MVAR capacitor at Cardiff 230kV substation	AEC (100%)
b0431	Monroe Upgrade New Freedom strand bus	AEC (100%)
b0576	Move the Monroe 230/69 kV to Mickleton	AEC (100%)
b0744	Upgrade a strand bus at Mill 138 kV	AEC (100%)
b0871	Install 35 MVAR capacitor at Motts Farm 69 kV	AEC (100%)
b1072	Modify the existing EMS load shedding scheme at Cedar to additionally sense the loss of both Cedar 230/69 kV transformers and shed load accordingly	AEC (100%)
b1127	Build a new Lincoln-Minitola 138 kV line	AEC (100%)
b1195.1	Upgrade the Corson sub T2 terminal	AEC (100%)
b1195.2	Upgrade the Corson sub T1 terminal	AEC (100%)

Atlantic City Electric Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1244	Install 10 MVAR capacitor at Peermont 69 kV substation	AEC (100%)
b1245	Rebuild the Newport-South Millville 69 kV line	AEC (100%)
b1250	Reconductor the Monroe – Glassboro 69 kV	AEC (100%)
b1250.1	Upgrade substation equipment at Glassboro	AEC (100%)
b1280	Sherman: Upgrade 138/69 kV transformers	AEC (100%)
b1396	Replace Lewis 138 kV breaker ‘L’	AEC (100%)
b1398.5	Reconductor the existing Mickleton – Goucestr 230 kV circuit (AE portion)	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1598	Reconductor Sherman Av – Carl’s Corner 69kV circuit	AEC (100%)
b1599	Replace terminal equipments at Central North 69 kV substation	AEC (100%)
b1600	Upgrade the Mill T2 138/69 kV transformer	AEC (88.83%) / JCPL (4.74%) / HTP (0.20%) / ECP** (0.22%) / PSEG (5.78%) / RE (0.23%)
b2157	Re-build 5.3 miles of the Corson - Tuckahoe 69 kV circuit	AEC (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-1.

Attachment 2E PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
 Calculation of costs and monthly PJM charges for Delmarva Projects

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	June 2017-May 2018 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
			per PJM Open Access Transmission Tariff								
Replace line trap-Keeney	b0272.1	\$ 25,760	1.70%	3.78%	6.22%	0.25%	\$438	\$974	\$1,602	\$64	\$3,078
Add two breakers-Keeney	b0751	\$ 598,259	1.70%	3.78%	6.22%	0.25%	\$10,170	\$22,614	\$37,212	\$1,496	\$71,492
Totals							\$10,608	\$23,588	\$38,814	\$1,560	\$74,570

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017TX Peak Load per PJM website	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 3,234.50	9,800.3	\$ 0.33	\$ 22,641	\$ 16,172	\$ 38,814
JCP&L	\$ 1,965.66	5,954.8	\$ 0.33	\$ 13,760	\$ 9,828	\$ 23,588
ACE	\$ 884.03	2,673.4	\$ 0.33	\$ 6,188	\$ 4,420	\$ 10,608
RE	\$ 130.00	402.0	\$ 0.32	\$ 910	\$ 650	\$ 1,560
Total Impact on NJ Zones	\$ 6,214.19			\$ 43,499	\$ 31,071	\$ 74,570

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX

(3) Delmarva Power & Light Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0144.1	Build new Red Lion – Milford – Indian River 230 kV circuit	DPL (100%)
b0144.2	Indian River Sub – 230 kV Terminal Position	DPL (100%)
b0144.3	Red Lion Sub – 230 kV Terminal Position	DPL (100%)
b0144.4	Milford Sub – (2) 230 kV Terminal Positions	DPL (100%)
b0144.5	Indian River – 138 kV Transmission Line to AT-20	DPL (100%)
b0144.6	Indian River – 138 & 69 kV Transmission Ckts. Undergrounding	DPL (100%)
b0144.7	Indian River – (2) 230 kV bus ties	DPL (100%)
b0148	Re-rate Glasgow – Mt. Pleasant 138 kV and North Seaford – South Harrington 138 kV	DPL (100%)
b0149	Complete structure work to increase rating of Cheswold – Jones REA 138 kV	DPL (100%)
b0221	Replace disconnect switch on Edgewood-N. Salisbury 69 kV	DPL (100%)
b0241.1	Keeny Sub – Replace overstressed breakers	DPL (100%)
b0241.2	Edgemoor Sub – Replace overstressed breakers	DPL (100%)
b0241.3	Red Lion Sub – Substation reconfigure to provide for second Red Lion 500/230 kV transformer	DPL (84.5%) / PECO (15.5%)
b0261	Replace 1200 Amp disconnect switch on the Red Lion – Reybold 138 kV circuit	DPL (100%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0262	Reconductor 0.5 miles of Christiana – Edgemoor 138 kV	DPL (100%)
b0263	Replace 1200 Amp wavetrapp at Indian River on the Indian River – Frankford 138 kV line	DPL (100%)
b0272.1	Replace line trap and disconnect switch at Keeney 500 kV substation – 5025 Line Terminal Upgrade	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0282	Install 46 MVAR capacitors on the DPL distribution system	DPL (100%)
b0291	Replace 1600A disconnect switch at Harmony 230 kV and for the Harmony – Edgemoor 230 kV circuit, increase the operating temperature of the conductor	DPL (100%)
b0295	Raise conductor temperature of North Seaford – Pine Street – Dupont Seaford	DPL (100%)

**Neptune Regional Transmission System, LLC*

***East Coast Power, LLC*

****Hudson Transmission Partners, LLC*

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0296	Rehoboth/Cedar Neck Tap (6733-2) upgrade	DPL (100%)
b0320	Create a new 230 kV station that splits the 2 nd Milford to Indian River 230 kV line, add a 230/69 kV transformer, and run a new 69 kV line down to Harbeson 69 kV	DPL (100%)
b0382	Cambridge Sub – Close through to Todd Substation	DPL (100%)
b0383	Wye Mills AT-1 and AT-2 138/69 kV Replacements	DPL (100%)
b0384	Replace Indian River AT-20 (400 MVA)	DPL (100%)
b0385	Oak Hall to New Church (13765) Upgrade	DPL (100%)
b0386	Cheswold/Kent (6768) Rebuild	DPL (100%)
b0387	N. Seaford – Add a 2 nd 138/69 kV autotransformer	DPL (100%)
b0388	Hallwood/Parksley (6790-2) Upgrade	DPL (100%)
b0389	Indian River AT-1 and AT-2 138/69 kV Replacements	DPL (100%)
b0390	Rehoboth/Lewes (6751-1 and 6751-2) Upgrade	DPL (100%)
b0391	Kent/New Meredith (6704-2) Upgrade	DPL (100%)
b0392	East New Market Sub – Establish a 69 kV Bus Arrangement	DPL (100%)
b0415	Increase the temperature ratings of the Edgemoor – Christiana – New Castle 138 kV by replacing six transmission poles	DPL (100%)

Delmarva Power & Light Company (cont.)

Required	Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0437	Spare Keeney 500/230 kV transformer		DPL (100%)
b0441	Additional spare Keeney 500/230 kV transformer		DPL (100%)
b0480	Rebuild Lank – Five Points 69 kV		DPL (100%)
b0481	Replace wave trap at Indian River 138 kV on the Omar – Indian River 138 kV circuit		DPL (100%)
b0482	Rebuild Millsboro – Zoar REA 69 kV		DPL (100%)
b0483	Replace Church 138/69 kV transformer and add two breakers		DPL (100%)
b0483.1	Build Oak Hall – Wattsville 138 kV line		DPL (100%)
b0483.2	Add 138/69 kV transformer at Wattsville		DPL (100%)
b0483.3	Establish 138 kV bus position at Oak Hall		DPL (100%)
b0484	Re-tension Worcester – Berlin 69 kV for 125°C		DPL (100%)
b0485	Re-tension Taylor – North Seaford 69 kV for 125°C		DPL (100%)
b0494.1	Install a 2 nd Red Lion 230/138 kV		DPL (100%)
b0494.2	Hares Corner – Relay Improvement		DPL (100%)
b0494.3	Reybold – Relay Improvement		DPL (100%)
b0494.4	New Castle – Relay Improvement		DPL (100%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512	MAPP Project – install new 500 kV transmission from Possum Point to Calvert Cliffs and install a DC line from Calvert Cliffs to Vienna and a DC line from Calvert Cliffs to Indian River	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0513	Rebuild the Ocean Bay – Maridel 69 kV line	DPL (100%)
b0527	Replace existing 12 MVAR capacitor at Bethany with a 30 MVAR capacitor	DPL (100%)
b0528	Replace existing 69/12 kV transformer at Bethany with a 138/12 kV transformer	DPL (100%)
b0529	Install an additional 8.4 MVAR capacitor at Grasonville 69 Kv	DPL (100%)
b0530	Replace existing 12 MVAR capacitor at Wye Mills with a 30 MVAR capacitor	DPL (100%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0531	Create a four breaker 138 kV ring bus at Wye Mills and add a second 138/69 kV transformer	DPL (100%)
b0566	Rebuild the Trappe Tap – Todd 69 kV line	DPL (100%)
b0567	Rebuild the Mt. Pleasant – Townsend 138 kV line	DPL (100%)
b0568	Install a third Indian River 230/138 kV transformer	DPL (100%)
b0725	Add a third Steele 230/138 kV transformer	DPL (100%)
b0732	Rebuild Vaugh – Wells 69 kV	DPL (100%)
b0733	Add a second 230/138 kV transformer at Harmony	DPL (97.06%) / PECO (2.94%)
b0734	Rebuild Church – Steele 138 kV	DPL (100%)
b0735	Rebuild Indian River – Omar – Bethany 138 kV	DPL (100%)
b0736	Rebuild Dupont Edgemoor – Edgemoor – Silverside 69 kV	DPL (69.46%) / PECO (17.25%) / ECP** (0.27%) / PSEG (12.53%) / RE (0.49%)
b0737	Build a new Indian River – Bishop 138 kV line	DPL (100%)
b0750	Convert 138 kV network path from Vienna – Loretto – Piney - Grove to 230 kV, add 230/138 kV transformer to Loretto 230 kV	DPL (100%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0751	Add two additional breakers at Keeney 500 kV	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0752	Replace two circuit breakers to bring the emergency rating up to 348 MVA	DPL (100%)
b0753	Add a second Loretto 230/138 kV transformer	DPL (100%)
b0754	Rebuild 10 miles of Glasgow to Mt. Pleasant 138 kV line to bring the normal rating to 298 MVA and the emergency rating to 333 MVA	DPL (100%)
b0792	Reconfigure Cecil Sub into 230 and 138 kV ring buses, add a 230/138 kV transformer, and operate the 34.5 kV bus normally open	DPL (100%)
b0873	Build 2nd Glasgow-Mt Pleasant 138 kV line	DPL (100%)
b0874	Reconfigure Brandywine substation	DPL (100%)

**Neptune Regional Transmission System, LLC*

***East Coast Power, LLC*

****Hudson Transmission Partners, LLC*

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0876	Install 50 MVAR SVC at 138th St 138 kV	DPL (100%)
b0877	Build a 2nd Vienna-Steele 230 kV line	DPL (100%)
b0879.1	Apply a special protection scheme (load drop at Stevensville and Grasonville)	DPL (100%)
b1246	Re-build the Townsend – Church 138 kV circuit	DPL (100%)
b1247	Re-build the Glasgow – Cecil 138 kV circuit	DPL (72.06%) / PECO (27.94%)
b1248	Install two 15 MVAR capacitor at Loretto 69 kV	DPL (100%)
b1249	Reconfigure the existing Sussex 69 kV capacitor	DPL (100%)
b1603	Upgrade 19 miles conductor of the Wattsville - Signepost - Stockton - Kenney 69 kV circuit	DPL (100%)
b1604	Replace CT at Reybold 138 kV substation	DPL (100%)
b1723	Replace strand bus and disconnect switch at Glasgow 138 kV substation	DPL (100%)
b1899.1	Install new variable reactors at Indian River and Nelson 138 kV	DPL (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

****Hudson Transmission Partners, LLC*

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-3.

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b1899.2	Install new variable reactors at Cedar Creek 230 kV		DPL (100%)
b1899.3	Install new variable reactors at New Castle 138 kV and Easton 69 kV		DPL (100%)

SCHEDULE 12 – APPENDIX A

(3) Delmarva Power & Light Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2288	Build a new 138kV line from Piney Grove - Wattsville	DPL (100%)
b2395	Reconductor the Harmony - Chapel St 138 kV circuit	DPL (100%)
b2569	Replace Terminal equipment at Silverside 69 kV substation	DPL (100%)
b2633.7	Implement high speed relaying utilizing OPGW on Red Lion – Hope Creek 500 kV line	Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
		DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)
b2633.10	Interconnect the new Silver Run 230 kV substation with existing Red Lion – Cartanza and Red Lion – Cedar Creek 230 kV lines	AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)

*Neptune Regional Transmission System, LLC

**East Coast Power, LLC

***Hudson Transmission Partners, LLC

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

	Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2695	Rebuild Worcester – Ocean Pine 69 kV ckt. 1 to 1400A capability summer emergency		DPL (100%)

Attachment 2F PJM Schedule 12 - Transmission Enhancement Charges for June 2017 to May 2018
 Calculation of costs and monthly PJM charges for PEPCO Projects

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	June 2017-May 2018 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share ¹	JCP&L Zone Share ¹	PSE&G Zone Share ¹	RE Zone Share ¹	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
Reconductor 23035 for Dickerson-Quince	b0367.1-2	\$ 3,134,708	1.78%	2.67%	3.81%	0.00%	\$55,798	\$83,697	\$119,432	\$0	\$258,927
Replace 230 1A breaker	b0512.7	\$ 298,286	1.70%	3.78%	6.22%	0.25%	\$5,071	\$11,275	\$18,553	\$746	\$35,645
Replace 230 1B breaker	b0512.8	\$ 298,286	1.70%	3.78%	6.22%	0.25%	\$5,071	\$11,275	\$18,553	\$746	\$35,645
Replace 230 2A breaker	b0512.9	\$ 298,286	1.70%	3.78%	6.22%	0.25%	\$5,071	\$11,275	\$18,553	\$746	\$35,645
Replace 230 3A breaker	b0512.12	\$ 301,090	1.70%	3.78%	6.22%	0.25%	\$5,119	\$11,381	\$18,728	\$753	\$35,980
Ritchie-Benning 230 lines	b0526	\$ 8,942,285	0.77%	1.39%	2.10%	0.08%	\$68,856	\$124,298	\$187,788	\$7,154	\$388,095
Totals							\$144,985	\$253,201	\$381,608	\$10,144	\$789,938

Notes on calculations >>>

= (a) * (b) = (a) * (c) = (a) * (d) = (a) * (e) = (f) + (g) + (h) + (i)

	(k)	(l)	(m)	(n)	(o)	(p)
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 17/18	2017TX Peak Load per PJM website	Rate in \$/MW-mo.	2017 Impact (7 months)	2018 Impact (5 months)	2017-2018 Impact (12 months)
PSE&G	\$ 31,800.69	9,800.3	\$ 3.24	\$ 222,605	\$ 159,003	\$ 381,608
JCP&L	\$ 21,100.11	5,954.8	\$ 3.54	\$ 147,701	\$ 105,501	\$ 253,201
ACE	\$ 12,082.04	2,673.4	\$ 4.52	\$ 84,574	\$ 60,410	\$ 144,985
RE	\$ 845.31	402.0	\$ 2.10	\$ 5,917	\$ 4,227	\$ 10,144
Total Impact on NJ Zones	\$ 65,828.15			\$ 460,797	\$ 329,141	\$ 789,938

Notes on calculations >>>

= (k) * (l) = (k) * 7 = (k) * 5 = (n) * (o)

Notes:

1) 2017 allocation share percentages are from PJM OATT

SCHEDULE 12 – APPENDIX**(10) Potomac Electric Power Company**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0146	Installation of (2) new 230 kV circuit breakers at Quince Orchard substation on circuits 23028 and 23029	PEPCO (100%)
b0219	Install two new 230 kV circuits between Palmers Corner and Blue Plains	PEPCO (100%)
b0228	Upgrade Burtonsville – Sandy Springs 230 kV circuit	PEPCO (100%)
b0238.1	Modify Dickerson Station H 230 kV	PEPCO (100%)
b0251	Install 100 MVAR of 230 kV capacitors at Bells Mill	PEPCO (100%)
b0252	Install 100 MVAR of 230 kV capacitors at Bells Mill	PEPCO (100%)
b0288	Brighton Substation – add 2 nd 1000 MVA 500/230 kV transformer, 2 500 kV circuit breakers and miscellaneous bus work	BGE (19.33%) / Dominion (17%) / PEPCO (63.67%)
b0319	Add a second 1000 MVA Bruches Hill 500/230 kV transformer	PEPCO (100%)
b0366	Install a 4 th Ritchie 230/69 kV transformer	PEPCO (100%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-9.

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0367.1	Reconductor circuit "23035" for Dickerson – Quince Orchard 230 kV	AEC (1.78%) / BGE (26.52%) / DPL (3.25%) / JCPL (2.67%) / ME (1.16%) / Neptune* (0.25%) / PECO (4.79%) / PEPCO (52.46%) / PPL (3.23%) / PSEG (3.81%) / ECP** (0.08%)
b0367.2	Reconductor circuit "23033" for Dickerson – Quince Orchard 230 kV	AEC (1.78%) / BGE (26.52%) / DPL (3.25%) / JCPL (2.67%) / ME (1.16%) / Neptune* (0.25%) / PECO (4.79%) / PEPCO (52.46%) / PPL (3.23%) / PSEG (3.81%) / ECP** (0.08%)
b0375	Install 0.5% reactor at Dickerson on the Pleasant View – Dickerson 230 kV circuit	AEC (1.02%) / BGE (25.42%) / DPL (2.97%) / ME (1.72%) / PECO (3.47%) / PEPCO (65.40%)
b0467.1	Reconductor the Dickerson – Pleasant View 230 kV circuit	AEC (1.75%) / APS (19.70%) / BGE (22.13%) / DPL (3.70%) / JCPL (0.71%) / ME (2.48%) / Neptune* (0.06%) / PECO (5.54%) / PEPCO (41.86%) / PPL (2.07%)
b0478	Reconductor the four circuits from Burches Hill to Palmers Corner	APS (1.68%) / BGE (1.83%) / PEPCO (96.49%)
b0496	Replace existing 500/230 kV transformer at Brighton	APS (5.67%) / BGE (29.68%) / Dominion (10.91%) / PEPCO (53.74%)
b0499	Install third Burches Hill 500/230 kV transformer	APS (3.54%) / BGE (7.31%) / PEPCO (89.15%)

*Neptune Regional Transmission System, LLC

**East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

The Annual Revenue Requirement associated with the Transmission Enhancement Charges are set forth and determined in Appendix A to Attachment H-9.

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
0512	MAPP Project – install new 500 kV transmission from Possum Point to Calvert Cliffs and install a DC line from Calvert Cliffs to Vienna and a DC line from Calvert Cliffs to Indian River	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.7	Advance n0772 (Replace Chalk Point 230 kV breaker (1A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.8 Advance n0773 (Replace Chalk Point 230 kV breaker (1B) with 80 kA breaker)		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.9 Advance n0774 (Replace Chalk Point 230 kV breaker (2A) with 80 kA breaker)		AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C.

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.10	Advance n0775 (Replace Chalk Point 230 kV breaker (2B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.11	Advance n0776 (Replace Chalk Point 230 kV breaker (2C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.12	Advance n0777 (Replace Chalk Point 230 kV breaker (3A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.13	Advance n0778 (Replace Chalk Point 230 kV breaker (3B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.14	Advance n0779 (Replace Chalk Point 230 kV breaker (3C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.15	Advance n0780 (Replace Chalk Point 230 kV breaker (4A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.16	Advance n0781 (Replace Chalk Point 230 kV breaker (4B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.17	Advance n0782 (Replace Chalk Point 230 kV breaker (5A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

** East Coast Power, L.L.C

*** Hudson Transmission Partners, LLC

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.18	Advance n0783 (Replace Chalk Point 230 kV breaker (5B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.19	Advance n0784 (Replace Chalk Point 230 kV breaker (6A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.20	Advance n0785 (Replace Chalk Point 230 kV breaker (6B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.21	Advance n0786 (Replace Chalk Point 230 kV breaker (7B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.22	Advance n0787 (Replace Chalk Point 230 kV breaker (8A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.23	Advance n0788 (Replace Chalk Point 230 kV breaker (8B) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.24	Advance n0789 (Replace Chalk Point 230 kV breaker (7A) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.25	Advance n0790 (Replace Chalk Point 230 Kv breaker (1C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.26	Advance n0791 (Replace Chalk Point 230 Kv breaker (4C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.27	Advance n0792 (Replace Chalk Point 230 Kv breaker (5C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0512.28	Advance n0793 (Replace Chalk Point 230 Kv breaker (6C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0512.29	Advance n0794 (Replace Chalk Point 230 Kv breaker (7C) with 80 kA breaker)	AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (4.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / DPL (2.62%) / Dominion (12.39%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) / ECP** (0.20%)
b0526	Build two Ritchie – Benning Station A 230 kV lines	AEC (0.77%) / BGE (16.76%) / DPL (1.22%) / JCPL (1.39%) / ME (0.59%) / Neptune* (0.13%) / PECO (2.10%) / PEPCO (74.86%) / PSEG (2.10%) / RE (0.08%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0561	Install 300 MVAR capacitor at Dickerson Station "D" 230 kV substation	AEC (8.58%) / APS (1.69%) / DPL (12.24%) / JCPL (18.16%) / ME (1.55%) / Neptune* (1.77%) / PECO (21.78%) / PPL (6.40%) / ECP** (0.73%) / PSEG (26.13%) / RE (0.97%)
b0562	Install 500 MVAR capacitor at Brighton 230 kV substation	AEC (8.58%) / APS (1.69%) / DPL (12.24%) / JCPL (18.16%) / ME (1.55%) / Neptune* (1.77%) / PECO (21.78%) / PPL (6.40%) / ECP** (0.73%) / PSEG (26.13%) / RE (0.97%)
b0637	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0638	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0639	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0640	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0641	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0642	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0643	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0644	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0645	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0646	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0647	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0648	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)
b0649	Replace 13 Oak Grove 230 kV breakers	PEPCO (100%)

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0701	Expand Benning 230 kV station, add a new 250 MVA 230/69 kV transformer at Benning Station 'A', new 115 kV Benning switching station	BGE (30.57%) / PEPCO (69.43%)
b0702	Add a second 50 MVAR 230 kV shunt reactor at the Benning 230 kV substation	PEPCO (100%)
b0720	Upgrade terminal equipment on both lines	PEPCO (100%)
b0721	Upgrade Oak Grove – Ritchie 23061 230 kV line	PEPCO (100%)
b0722	Upgrade Oak Grove – Ritchie 23058 230 kV line	PEPCO (100%)
b0723	Upgrade Oak Grove – Ritchie 23059 230 kV line	PEPCO (100%)
b0724	Upgrade Oak Grove – Ritchie 23060 230 kV line	PEPCO (100%)
b0730	Add slow oil circulation to the four Bells Mill Road – Bethesda 138 kV lines, add slow oil circulation to the two Buzzard Point – Southwest 138 kV lines; increasing the thermal ratings of these six lines allows for greater adjustment of the O Street phase shifters	PEPCO (100%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0731	Implement an SPS to automatically shed load on the 34 kV Bells Mill Road bus for this N-2 condition. The SPS will be in effect for 2013 and 2014 until a third Bells Mill 230/34 kV is placed in-service in 2015	PEPCO (100%)
b0746	Upgrade circuit for 3,000 amps using the ACCR	AEC (0.73%) / BGE (31.05%) / DPL (1.45%) / PECO (2.46%) / PEPCO (62.88%) / PPL (1.43%)
b0747	Upgrade terminal equipment on both lines: Quince Orchard - Bells Mill 230 kV (030) and (028)	PEPCO (100%)
b0802	Advance n0259 (Replace Dickerson Station H Circuit Breaker 412A)	PEPCO (100%)
b0803	Advance n0260 (Replace Dickerson Station H Circuit Breaker 42A)	PEPCO (100%)
b0804	Advance n0261 (Replace Dickerson Station H Circuit Breaker 42C)	PEPCO (100%)
b0805	Advance n0262 (Replace Dickerson Station H Circuit Breaker 43A)	PEPCO (100%)
b0806	Advance n0264 (Replace Dickerson Station H Circuit Breaker 44A)	PEPCO (100%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0809	Advance n0267 (Replace Dickerson Station H Circuit Breaker 45B)	PEPCO (100%)
b0810	Advance n0270 (Replace Dickerson Station H Circuit Breaker 47A)	PEPCO (100%)
b0811	Advance n0726 (Replace Dickerson Station H Circuit Breaker SPARE)	PEPCO (100%)
b0845	Replace Chalk Point 230 kV breaker (1A) with 80 kA breaker	PEPCO (100%)
b0846	Replace Chalk Point 230 kV breaker (1B) with 80 kA breaker	PEPCO (100%)
b0847	Replace Chalk Point 230 kV breaker (2A) with 80 kA breaker	PEPCO (100%)
b0848	Replace Chalk Point 230 kV breaker (2B) with 80 kA breaker	PEPCO (100%)
b0849	Replace Chalk Point 230 kV breaker (2C) with 80 kA breaker	PEPCO (100%)
b0850	Replace Chalk Point 230 kV breaker (3A) with 80 kA breaker	PEPCO (100%)
b0851	Replace Chalk Point 230 kV breaker (3B) with 80 kA breaker	PEPCO (100%)
b0852	Replace Chalk Point 230 kV breaker (3C) with 80 kA breaker	PEPCO (100%)
b0853	Replace Chalk Point 230 kV breaker (4A) with 80 kA breaker	PEPCO (100%)
b0854	Replace Chalk Point 230 kV breaker (4B) with 80 kA breaker	PEPCO (100%)
b0855	Replace Chalk Point 230 kV breaker (5A) with 80 kA breaker	PEPCO (100%)

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0856	Replace Chalk Point 230 kV breaker (5B) with 80 kA breaker	PEPCO (100%)
b0857	Replace Chalk Point 230 kV breaker (6A) with 80 kA breaker	PEPCO (100%)
b0858	Replace Chalk Point 230 kV breaker (6B) with 80 kA breaker	PEPCO (100%)
b0859	Replace Chalk Point 230 kV breaker (7B) with 80 kA breaker	PEPCO (100%)
b0860	Replace Chalk Point 230 kV breaker (8A) with 80 kA breaker	PEPCO (100%)
b0861	Replace Chalk Point 230 kV breaker (8B) with 80 kA breaker	PEPCO (100%)
b0862	Replace Chalk Point 230 kV breaker (7A) with 80 kA breaker	PEPCO (100%)
b0863	Replace Chalk Point 230 kV breaker (1C) with 80 kA breaker	PEPCO (100%)
b1104	Replace Burtonsville 230 kV breaker '1C'	PEPCO (100%)
b1105	Replace Burtonsville 230 kV breaker '2C'	PEPCO (100%)
b1106	Replace Burtonsville 230 kV breaker '3C'	PEPCO (100%)
b1107	Replace Burtonsville 230 kV breaker '4C'	PEPCO (100%)
b1125	Convert the 138 kV line from Buzzard 138 - Ritchie 851 to a 230 kV line and Remove 230/138 kV Transformer at Ritchie and install a spare 230/138 kV transformer at Buzzard Pt	APS (4.74%) / PEPCO (95.26%)
b1126	Upgrade the 230 kV line from Buzzard 016 – Ritchie 059	APS (4.74%) / PEPCO (95.26%)

Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1592 Reconductor the Oak Grove – Bowie 230 kV circuit and upgrade terminal equipments at Oak Grove and Bowie 230 kV substations		AEC (2.39%) / APS (3.82%) / BGE (65.72%) / DPL (4.43%) / JCPL (3.93%) / ME (2.16%) / Neptune* (0.39%) / HTP (0.10%) / PECO (8.35%) / PPL (2.83%) / ECP** (0.13%) / PSEG (5.53%) / RE (0.22%)
b1593 Reconductor the Bowie - Burtonsville 230 kV circuit and upgrade terminal equipments at Bowie and Burtonsville 230 kV substations		AEC (2.39%) / APS (3.82%) / BGE (65.72%) / DPL (4.43%) / JCPL (3.93%) / ME (2.16%) / Neptune* (0.39%) / HTP (0.10%) / PECO (8.35%) / PPL (2.83%) / ECP** (0.13%) / PSEG (5.53%) / RE (0.22%)
b1594 Reconductor the Oak Grove – Bowie 230 kV ‘23042’ circuit and upgrade terminal equipments at Oak Grove and Bowie 230 kV substations		AEC (2.38%) / APS (3.84%) / BGE (65.72%) / DPL (4.44%) / JCPL (3.93%) / ME (2.16%) / Neptune* (0.39%) / HTP (0.10%) / PECO (8.33%) / PPL (2.83%) / ECP** (0.13%) / PSEG (5.53%) / RE (0.22%)
b1595 Reconductor the Bowie – Burtonsville 230 kV ‘23042’ circuit and upgrade terminal equipments at Oak Grove and Burtonsville 230 kV substations		AEC (2.38%) / APS (3.84%) / BGE (65.72%) / DPL (4.44%) / JCPL (3.93%) / ME (2.16%) / Neptune* (0.39%) / HTP (0.10%) / PECO (8.33%) / PPL (2.83%) / ECP** (0.13%) / PSEG (5.53%) / RE (0.22%)
b1596 Reconductor the Dickerson station “H” – Quince Orchard 230 kV ‘23032’ circuit and upgrade terminal equipments at Dickerson station “H” and Quince Orchard 230 kV substations		AEC (0.80%) / BGE (33.68%) / DPL (2.09%) / PECO (3.07%) / PEPCO (60.36%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1597	Reconductor the Oak Grove - Aquasco 230 kV '23062' circuit and upgrade terminal equipments at Oak Grove and Aquasco 230 kV substations	AEC (1.44%) / BGE (48.60%) / DPL (2.52%) / PECO (5.00%) / PEPCO (42.44%)
b2008	Reconductor feeder 23032 and 23034 to high temp. conductor (10 miles)	BGE (33.05%) / DPL (1.38%) / PECO (1.35%) / PEPCO (64.22%) /
b2136	Reconductor the Morgantown - V3-017 230 kV '23086' circuit and replace terminal equipments at Morgantown	PEPCO (100%)
b2137	Reconductor the Morgantown - Talbert 230 kV '23085' circuit and replace terminal equipment at Morgantown	PEPCO (100%)
b2138	Replace terminal equipments at Hawkins 230 kV substation	PEPCO (100%)

Attachment 3A

Translation of 2017/2018 Schedule 12 Charges into Rates – JCP&L

Attachment 3B

Translation of 2017/2018 Schedule 12 Charges into Rates – PSE&G

Attachment 3C

Translation of 2017/2018 Schedule 12 Charges into Rates – RECO

Attachment 3A

Jersey Central Power & Light Company

Proposed TRAILCO Project Transmission Enhancement Charge (TRAILCO-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved TRAILCO Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly TRAILCO-TEC Costs Allocated to JCP&L Zone	\$	673,851.94	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
TRAILCO-Transmission Enhancement Rate (\$/MW-month)	\$	113.16	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017	
				TRAILCO-TEC Surcharge (\$/kWh)	TRAILCO-TEC Surcharge w/ SUT(\$/kWh)
Secondary (excluding lighting)	5168.8	7,018,887	16,271,860,972	\$ 0.000431	\$ 0.000461
Primary	351.1	476,771	1,795,983,393	\$ 0.000265	\$ 0.000283
Transmission @ 34.5 kV	287.0	389,727	1,660,930,099	\$ 0.000235	\$ 0.000251
Transmission @ 230 kV	14.0	19,011	347,539,556	\$ 0.000055	\$ 0.000059
Total	5820.9	7,904,396	20,076,314,020		

(1) Cost Allocation of TRAILCO Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months TRAILCO Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	TRAILCO-Transmission Enhancement Costs to RSCP Suppliers	\$ 6,712,809	= Line 3 x \$113.16 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 0.40	= Line 4 / Line 2

Attachment 3A

Jersey Central Power & Light Company

Proposed BG&E Project Transmission Enhancement Charge (BG&E-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved BG&E Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly BG&E-TEC Costs Allocated to JCP&L Zone	\$	45,910.38	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
BG&E-Transmission Enhancement Rate (\$/MW-month)	\$	7.71	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017	
				BG&E-TEC Surcharge (\$/kWh)	BG&E-TEC Surcharge w/ SUT(\$/kWh)
Secondary (excluding lighting)	5168.8	478,206	16,271,860,972	\$ 0.000029	\$ 0.000031
Primary	351.1	32,483	1,795,983,393	\$ 0.000018	\$ 0.000019
Transmission @ 34.5 kV	287.0	26,553	1,660,930,099	\$ 0.000016	\$ 0.000017
Transmission @ 230 kV	14.0	1,295	347,539,556	\$ 0.000004	\$ 0.000004
Total	5820.9	538,536	20,076,314,020		

(1) Cost Allocation of BG&E Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months BG&E Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	BG&E-Transmission Enhancement Costs to RSCP Suppliers	\$ 457,352	= Line 3 x \$7.71 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 0.03	= Line 4 / Line 2

Attachment 3A

Jersey Central Power & Light Company

Proposed PPL Project Transmission Enhancement Charge (PPL-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved PPL Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly PPL-TEC Costs Allocated to JCP&L Zone	\$	307,866.55	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
PPL-Transmission Enhancement Rate (\$/MW-month)	\$	51.70	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017			
				PPL-TEC Surcharge (\$/kWh)	PPL-TEC Surcharge w/ SUT(\$/kWh)		
Secondary (excluding lighting)	5168.8	3,206,759	16,271,860,972	\$	0.000197	\$	0.000211
Primary	351.1	217,825	1,795,983,393	\$	0.000121	\$	0.000129
Transmission @ 34.5 kV	287.0	178,057	1,660,930,099	\$	0.000107	\$	0.000114
Transmission @ 230 kV	14.0	8,686	347,539,556	\$	0.000025	\$	0.000027
Total	5820.9	3,611,326	20,076,314,020				

(1) Cost Allocation of PPL Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months PPL Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	PPL-Transmission Enhancement Costs to RSCP Suppliers	\$	3,066,919 = Line 3 x \$51.70 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$	0.18 = Line 4 / Line 2

Attachment 3A

Jersey Central Power & Light Company

Proposed ACE Project Transmission Enhancement Charge (ACE-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved ACE Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly ACE-TEC Costs Allocated to JCP&L Zone	\$	123,939.92	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
ACE-Transmission Enhancement Rate (\$/MW-month)	\$	20.81	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017	
				ACE-TEC Surcharge (\$/kWh)	ACE-TEC Surcharge w/ SUT(\$/kWh)
Secondary (excluding lighting)	5168.8	1,290,967	16,271,860,972	\$ 0.000079	\$ 0.000084
Primary	351.1	87,691	1,795,983,393	\$ 0.000049	\$ 0.000052
Transmission @ 34.5 kV	287.0	71,682	1,660,930,099	\$ 0.000043	\$ 0.000046
Transmission @ 230 kV	14.0	3,497	347,539,556	\$ 0.000010	\$ 0.000011
Total	5820.9	1,453,836	20,076,314,020		

(1) Cost Allocation of ACE Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months ACE Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	ACE-Transmission Enhancement Costs to RSCP Suppliers	\$ 1,234,670	= Line 3 x \$20.81 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 0.07	= Line 4 / Line 2

Attachment 3A

Jersey Central Power & Light Company

Proposed Delmarva Project Transmission Enhancement Charge (Delmarva-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved Delmarva Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly Delmarva-TEC Costs Allocated to JCP&L Zone	\$	1,965.66	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
Delmarva-Transmission Enhancement Rate (\$/MW-month)	\$	0.33	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017	
				Delmarva-TEC Surcharge (\$/kWh)	Delmarva-TEC Surcharge w/ SUT(\$/kWh)
Secondary (excluding lighting)	5168.8	20,474	16,271,860,972	\$ 0.000001	\$ 0.000001
Primary	351.1	1,391	1,795,983,393	\$ 0.000001	\$ 0.000001
Transmission @ 34.5 kV	287.0	1,137	1,660,930,099	\$ 0.000001	\$ 0.000001
Transmission @ 230 kV	14.0	55	347,539,556	\$ -	\$ -
Total	5820.9	23,058	20,076,314,020		

(1) Cost Allocation of Delmarva Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months Delmarva Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	Delmarva-Transmission Enhancement Costs to RSCP Suppliers	\$ 19,582	= Line 3 x \$0.33 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ -	= Line 4 / Line 2

Attachment 3A

Jersey Central Power & Light Company

Proposed PEPCO Project Transmission Enhancement Charge (PEPCO-TEC Surcharge) effective September 1, 2017

To reflect FERC-approved PEPCO Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2017 - May 2018

2017/2018 Average Monthly PEPCO-TEC Costs Allocated to JCP&L Zone	\$	21,100.11	(1)
2017 JCP&L Zone Transmission Peak Load (MW)		5954.8	
PEPCO-Transmission Enhancement Rate (\$/MW-month)	\$	3.54	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2017	
				PEPCO-TEC Surcharge (\$/kWh)	PEPCO-TEC Surcharge w/ SUT(\$/kWh)
Secondary (excluding lighting)	5168.8	219,780	16,271,860,972	\$ 0.000014	\$ 0.000015
Primary	351.1	14,929	1,795,983,393	\$ 0.000008	\$ 0.000009
Transmission @ 34.5 kV	287.0	12,203	1,660,930,099	\$ 0.000007	\$ 0.000007
Transmission @ 230 kV	14.0	595	347,539,556	\$ 0.000002	\$ 0.000002
Total	5820.9	247,508	20,076,314,020		

(1) Cost Allocation of PEPCO Project Schedule 12 Charges to JCP&L Zone for 2017/2018

(2) Based on 12 months PEPCO Project costs from June 2017 through May 2018

(3) September 2017 through August 2018

BGS-RSCP Supplier Payment Adjustment

Line No.

1	BGS-RSCP Eligible Sales June through May @ Customer	15,159,224	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node	16,830,967	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,943	MW
4	PEPCO-Transmission Enhancement Costs to RSCP Suppliers	\$ 210,196	= Line 3 x \$3.54 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 0.01	= Line 4 / Line 2

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for Allegheny TrAILCo Project

TEC Charges for June 2017 - May 2018 \$ 12,026,080.22
 PSE&G Zonal Transmission Load for Effective Yr. (MW) 9,800.3
 Term (Months) 12
 OATT rate \$ 102.26 /MW/month
 converted to \$/MW/yr = \$ 1,227.12 /MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy Charge								
in \$/MWh	\$ 0.391481	\$ 0.235176	\$ 0.411016	\$ -	\$ -	\$ 0.226099	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000391	0.000235	0.000411	0	0	0.000226	0	0
Current Energy Charge								
in \$/MWh	\$ 0.381468	\$ 0.202134	\$ 0.411356	\$ -	\$ -	\$ 0.225697	\$ -	\$ -
in \$/kWh - rounded to 6 places	\$ 0.000381	\$ 0.000202	\$ 0.000411	\$ -	\$ -	\$ 0.000226	\$ -	\$ -
Variance Energy Charge								
in \$/MWh	\$ 0.01001	\$ 0.03304	\$ (0.00034)	\$ -	\$ -	\$ 0.00040	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.00001	0.000033	0	0	0	0	0	0
% difference	2.62%	16.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Line #

1	Total BGS-RSCP eligible Trans Obl	6658.8 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 8,171,147	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.3176 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.32 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 8,233,006	unrounded	= (6) * (3)
8	Difference due to rounding	\$ 61,860	unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for BG&E - Initial Year

TEC Charges for June 2017 - May 2018 \$ 812,704.47
 PSE&G Zonal Transmission Load for Effective Yr. (MW) 9,800.3
 Term (Months) 12
 OATT rate \$ 6.91 /MW/month all values show w/o NJ SUT
 converted to \$/MW/yr = \$ 82.92 /MW/yr

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3,892.60	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy Charge in \$/MWh	\$ 0.026453	\$ 0.015892	\$ 0.027774	\$ -	\$ -	\$ 0.015278	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000026	0.000016	0.000028	0	0	0.000015	0	0
Current Energy Charge in \$/MWh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
in \$/kWh - rounded to 6 places	0	0	0	0	0	0	0	0
Variance Energy Charge in \$/MWh	\$ 0.02645	\$ 0.01589	\$ 0.02777	\$ -	\$ -	\$ 0.01528	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000026	0.000016	0.000028	0	0	0.000015	0	0
% difference	100.00%	100.00%	100.00%			100.00%		

Line #

1	Total BGS-RSCP eligible Trans Obl	6,658.80 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 552,148	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.0215 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.02 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 514,563	unrounded	= (6) * (3)
8	Difference due to rounding	\$ (37,585)	unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for PPL Projects

TEC Charges for June 2017 - May 2018 \$ 6,141,455.96
PSE&G Zonal Transmission Load for Effective Yr. (MW) 9,800.3
Term (Months) 12
OATT rate \$ 52.22 /MW/month
converted to \$/MW/yr = \$ 626.64 /MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3,892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy charge in \$/MWh	\$ 0.199913	\$ 0.120095	\$ 0.209889	\$ -	\$ -	\$ 0.115460	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.0002	0.00012	0.00021	0	0	0.000115	0	0
Current Energy Charge in \$/MWh	\$ 0.194560	\$ 0.103094	\$ 0.209804	\$ -	\$ -	\$ 0.115112	\$ -	\$ -
in \$/kWh - rounded to 6 places	\$ 0.000195	\$ 0.000103	\$ 0.000210	\$ -	\$ -	\$ 0.000115	\$ -	\$ -
Variance Energy Charge in \$/MWh	\$ 0.00535	\$ 0.01700	\$ 0.00009	\$ -	\$ -	\$ 0.00035	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000005	0.000017	0	0	0	0	0	0
% difference	2.56%	16.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Line #

1	Total BGS-RSCP eligible Trans Obl	6,658.8 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 4,172,670	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.1622 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.16 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 4,116,503	unrounded	= (6) * (3)
8	Difference due to rounding	\$ (56,167)	unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for ACE Projects

TEC Charges for June 2017 - May 2018 \$ 1,304,673.52
 PSE&G Zonal Transmission Load for Effective Yr. (MW) 9,800.3
 Term (Months) 12
 OATT rate \$ 11.09 /MW/month
 converted to \$/MW/yr = \$ 133.08 /MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3,892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy charge in \$/MWh	\$ 0.042456	\$ 0.025505	\$ 0.044574	\$ -	\$ -	\$ 0.024520	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000042	0.000026	0.000045	0	0	0.000025	0	0
Current Energy Charge in \$/MWh	\$ 0.040413	\$ 0.021414	\$ 0.043580	\$ -	\$ -	\$ 0.023911	\$ -	\$ -
in \$/kWh - rounded to 6 places	\$ 0.000040	\$ 0.000021	\$ 0.000044	\$ -	\$ -	\$ 0.000024	\$ -	\$ -
Variance Energy Charge in \$/MWh	\$ 0.00204	\$ 0.00409	\$ 0.00099	\$ -	\$ -	\$ 0.00061	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000002	0.000004	0.000001	0	0	0.000001	0	0
% difference	5.00%	19.05%	2.27%	0.00%	0.00%	4.17%	0.00%	0.00%

Line #

1	Total BGS-RSCP eligible Trans Obl	6,658.80 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 886,153	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.0344 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.03 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 771,844	unrounded	= (6) * (3)
8	Difference due to rounding	\$ (114,309)	unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for Delmarva Projects

TEC Charges for June 2017 - May 2018 \$ 38,813.98
PSE&G Zonal Transmission Load for Effective Yr.
(MW) 9,800.3
Term (Months) 12
OATT rate \$ 0.33 /MW/month all values show w/o NJ SUT
converted to \$/MW/yr = \$ 3.96 /MW/yr

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3,892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy charge in \$/MWh	\$ 0.001263	\$ 0.000759	\$ 0.001326	\$ -	\$ -	\$ 0.000730	\$ -	\$ -
in \$/kWh - rounded to 6 places	0.000001	0.000001	0.000001	0	0	0.000001	0	0
Current Energy Charge in \$/MWh	\$ 0.001203	\$ 0.000637	\$ 0.001297	\$ -	\$ -	\$ 0.000712	\$ -	\$ -
in \$/kWh - rounded to 6 places	\$ 0.000001	\$ 0.000001	\$ 0.000001	\$ -	\$ -	\$ 0.000001	\$ -	\$ -
Variance Energy Charge in \$/MWh	\$ 0.00006	\$ 0.00012	\$ 0.00003	\$ -	\$ -	\$ 0.00002	\$ -	\$ -
in \$/kWh - rounded to 6 places	0	0	0	0	0	0	0	0
% difference	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Line #

1	Total BGS-RSCP eligible Trans Obl	6,658.8 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 26,369	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.0010 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ - /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ -	unrounded	= (6) * (3)
8	Difference due to rounding	\$ (26,369)	unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2017 - May 2018
Calculation of costs and monthly PJM charges for PEPCO Projects

TEC Charges for June 2017 - May 2018 \$ 381,608.33
PSE&G Zonal Transmission Load for Effective Yr.
(MW) 9,800.3
Term (Months) 12
OATT rate \$ 3.24 /MW/month all values show w/o NJ SUT
converted to \$/MW/yr = \$ 38.88 /MW/yr

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3,892.6	25.5	73.1	0.0	0.0	2.8	0.0	0.0
Total Annual Energy - MWh	12,201,596	133,056	218,246	1,283	27	15,197	158,968	296,268
Energy Charge								
<i>in \$/MWh</i>	\$ 0.012404	\$ 0.007451	\$ 0.013023	\$ -	\$ -	\$ 0.007164	\$ -	\$ -
<i>in \$/kWh - rounded to 6 places</i>	0.000012	0.000007	0.000013	0	0	0.000007	0	0
Current Energy Charge								
<i>in \$/MWh</i>	\$ 0.012281	\$ 0.006507	\$ 0.013243	\$ -	\$ -	\$ 0.007266	\$ -	\$ -
<i>in \$/kWh - rounded to 6 places</i>	0.000012	0.000007	0.000013	0	0	0.000007	0	0
Variance Energy Charge								
<i>in \$/MWh</i>	\$ 0.00012	\$ 0.00094	\$ (0.00022)	\$ -	\$ -	\$ (0.00010)	\$ -	\$ -
<i>in \$/kWh - rounded to 6 places</i>	0	0.000001	0	0	0	0	0	0
<i>% difference</i>	0.00%	14.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Line #

1	Total BGS-RSCP eligible Trans Obl	6,658.8 MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligible energy @ cust	23,949,599 MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligible energy @ trans nodes	25,728,145 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 258,894	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	\$ 0.0101 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 0.01 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 257,281	unrounded	= (6) * (3)
8	Difference due to rounding	\$ (1,613)	unrounded	= (7) - (4)

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (TrAILCo) effective September 1, 2017

To reflect FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly TrAILCo-TEC Costs Allocated to RECO	\$	39,940	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	90.81	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$39,940 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 286,082	696,227,000	\$ 0.00041	\$ 0.00044
SC2 Secondary	124.6	28.32%	\$ 135,739	538,141,000	\$ 0.00025	\$ 0.00027
SC2 Primary	13.9	3.15%	\$ 15,119	77,417,000	\$ 0.00020	\$ 0.00021
SC3	0.1	0.01%	\$ 69	266,000	\$ 0.00026	\$ 0.00028
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 4,066	14,953,000	\$ 0.00027	\$ 0.00029
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 38,206	236,391,000	\$ 0.00016	\$ 0.00017
Total	439.8 (2)	100.00%	\$ 479,281	1,575,437,000		

(1) Attachment 2 - Cost Allocation of TrAILCo Schedule 12 Charges to RECO Zone for June 2017 to May 2018

(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment AdjustmentLine No.

1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 441,065.37	= Line 3 x \$90.81 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.37	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (BG&E) effective September 1, 2017

To reflect FERC-approved BG&E Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly BG&E-TEC Costs Allocated to RECO	\$	2,524	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	5.74	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$2,524 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 18,075	696,227,000	\$ 0.00003	\$ 0.00003
SC2 Secondary	124.6	28.32%	\$ 8,576	538,141,000	\$ 0.00002	\$ 0.00002
SC2 Primary	13.9	3.15%	\$ 955	77,417,000	\$ 0.00001	\$ 0.00001
SC3	0.1	0.01%	\$ 4	266,000	\$ 0.00002	\$ 0.00002
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 257	14,953,000	\$ 0.00002	\$ 0.00002
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 2,414	236,391,000	\$ 0.00001	\$ 0.00001
Total	439.8 (2)	100.00%	\$ 30,281	1,575,437,000		

(1) Attachment 2 - Cost Allocation of BG&E Schedule 12 Charges to RECO Zone for June 2017 to May 2018

(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment AdjustmentLine No.

1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 27,879.26	= Line 3 x \$5.74 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.02	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (PPL) effective September 1, 2017

To reflect FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly PPL-TEC Costs Allocated to RECO	\$	20,494	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	46.60	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$20,494 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 146,797	696,227,000	\$ 0.00021	\$ 0.00022
SC2 Secondary	124.6	28.32%	\$ 69,651	538,141,000	\$ 0.00013	\$ 0.00014
SC2 Primary	13.9	3.15%	\$ 7,758	77,417,000	\$ 0.00010	\$ 0.00011
SC3	0.1	0.01%	\$ 35	266,000	\$ 0.00013	\$ 0.00014
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 2,087	14,953,000	\$ 0.00014	\$ 0.00015
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 19,605	236,391,000	\$ 0.00008	\$ 0.00009
Total	439.8 (2)	100.00%	\$ 245,933	1,575,437,000		

(1) Attachment 2 - Cost Allocation of PPL Schedule 12 Charges to RECO Zone for June 2017 to May 2018

(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment AdjustmentLine No.

1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 226,336.82	= Line 3 x \$46.6 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.19	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (ACE) effective September 1, 2017
 To reflect FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly ACE-TEC Costs Allocated to RECO	\$	3,491	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	7.94	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$3,491 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 25,003	696,227,000	\$ 0.00004	\$ 0.00004
SC2 Secondary	124.6	28.32%	\$ 11,863	538,141,000	\$ 0.00002	\$ 0.00002
SC2 Primary	13.9	3.15%	\$ 1,321	77,417,000	\$ 0.00002	\$ 0.00002
SC3	0.1	0.01%	\$ 6	266,000	\$ 0.00002	\$ 0.00002
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 355	14,953,000	\$ 0.00002	\$ 0.00002
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 3,339	236,391,000	\$ 0.00001	\$ 0.00001
Total	439.8 (2)	100.00%	\$ 41,887	1,575,437,000		

(1) Attachment 2 - Cost Allocation of ACE Schedule 12 Charges to RECO Zone for June 2017 to May 2018
 (2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

<u>Line No.</u>			
1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 38,564.68	= Line 3 x \$7.94 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.03	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (Delmarva) effective September 1, 2017
To reflect FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly Delmarva-TEC Costs Allocated to RECO	\$	130	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	0.30	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$130 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 931	696,227,000	\$ -	\$ -
SC2 Secondary	124.6	28.32%	\$ 442	538,141,000	\$ -	\$ -
SC2 Primary	13.9	3.15%	\$ 49	77,417,000	\$ -	\$ -
SC3	0.1	0.01%	\$ -	266,000	\$ -	\$ -
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 13	14,953,000	\$ -	\$ -
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 124	236,391,000	\$ -	\$ -
Total	439.8 (2)	100.00%	\$ 1,559	1,575,437,000		

(1) Attachment 2 - Cost Allocation of Delmarva Schedule 12 Charges to RECO Zone for June 2017 to May 2018

(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment AdjustmentLine No.

1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 1,457.10	= Line 3 x \$0.3 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ -	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (PEPCO) effective September 1, 2017

To reflect FERC-approved PEPCO Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2017 to May 2018

2017/2018 Average Monthly PEPCO-TEC Costs Allocated to RECO	\$	845	(1)
2017 RECO Zone Transmission Peak Load (MW)		439.8	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	1.92	
SUT		6.875%	

	Col. 1	Col. 2	Col.3=Col.2 x \$845 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales June 2017- May2018 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	262.5	59.69%	\$ 6,055	696,227,000	\$ 0.00001	\$ 0.00001
SC2 Secondary	124.6	28.32%	\$ 2,873	538,141,000	\$ 0.00001	\$ 0.00001
SC2 Primary	13.9	3.15%	\$ 320	77,417,000	\$ -	\$ -
SC3	0.1	0.01%	\$ 1	266,000	\$ -	\$ -
SC4	0.0	0.00%	\$ -	6,467,000	\$ -	\$ -
SC5	3.7	0.85%	\$ 86	14,953,000	\$ 0.00001	\$ 0.00001
SC6	0.0	0.00%	\$ -	5,575,000	\$ -	\$ -
SC7	35.1	7.97%	\$ 809	236,391,000	\$ -	\$ -
Total	439.8 (2)	100.00%	\$ 10,144	1,575,437,000		

(1) Attachment 2 - Cost Allocation of PEPCO Schedule 12 Charges to RECO Zone for June 2017 to May 2018

(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment AdjustmentLine No.

1	BGS-RSCP Eligible Sales May - Apr @ cust (RECO Eastern Division)	1,287,617	MWH
2	BGS-RSCP Eligible Sales May - Apr @ trans node (RECO Eastern Division)	1,198,532	MWH
3	BGS-RSCP Eligible Transmission Obligation	405	MW
4	Transmission Enhancement Costs to RSCP Suppliers	\$ 9,325.47	= Line 3 x \$1.92 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 0.01	= Line 4/Line 2

Rockland Electric Company

Calculation of Transmission Surcharges reflecting proposed changes effective September 1, 2017

To reflect: RMR Costs

FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved AEP-East Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved BG&E Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PATH Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved PEPCO Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved PSE&G Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337
 FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT)
 FERC-approved VEPCo Project Schedule 12 Charges (Schedule 12 PJM OATT) - Filed May 12, 2017 in Case ER16040337

(A) Transmission Surcharge rates by Transmission Project and Service Class (excluding SUT)

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00012	0.00007	0.00006	0.00006	0.00000	0.00008	0.00000	0.00004
BG&E- TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00005	0.00003	0.00002	0.00002	0.00000	0.00003	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00021	0.00013	0.00010	0.00013	0.00000	0.00014	0.00000	0.00008
PSE&G - TEC	(8)	0.00699	0.00413	0.00370	0.00361	0.00000	0.00483	0.00000	0.00255
TrAILCo - TEC	(9)	0.00041	0.00025	0.00020	0.00026	0.00000	0.00027	0.00000	0.00016
VEPCo - TEC	(10)	0.00035	0.00020	0.00018	0.00018	0.00000	0.00024	0.00000	0.00013
Total (\$/kWh and excl SUT)		\$0.00821	\$0.00486	\$0.00429	\$0.00430	\$0.00000	\$0.00564	\$0.00000	\$0.00300
Total (¢/kWh and excl SUT)		0.821 ¢	0.486 ¢	0.429 ¢	0.430 ¢	0.000 ¢	0.564 ¢	0.000 ¢	0.300 ¢

(B) Transmission Surcharge rates by Transmission Project and Service Class (including SUT)**6.875%**

Transmission Project	Note	SC1	SC2 Sec	SC2 Pri	SC3	SC4	SC5	SC6	SC7
Reliability Must Run	(1)	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00013	0.00007	0.00006	0.00006	0.00000	0.00009	0.00000	0.00004
BG&E- TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00005	0.00003	0.00002	0.00002	0.00000	0.00003	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00022	0.00014	0.00011	0.00014	0.00000	0.00015	0.00000	0.00009
PSE&G - TEC	(8)	0.00747	0.00441	0.00395	0.00386	0.00000	0.00516	0.00000	0.00273
TrAILCo - TEC	(9)	0.00044	0.00027	0.00021	0.00028	0.00000	0.00029	0.00000	0.00017
VEPCo - TEC	(10)	0.00037	0.00021	0.00019	0.00019	0.00000	0.00026	0.00000	0.00014
Total (\$/kWh and incl SUT)		\$0.00876	\$0.00518	\$0.00457	\$0.00459	\$0.00000	\$0.00603	\$0.00000	\$0.00321
Total (¢/kWh and incl SUT)		0.876 ¢	0.518 ¢	0.457 ¢	0.459 ¢	0.000 ¢	0.603 ¢	0.000 ¢	0.321 ¢

Notes:

- (1) RMR rates based on allocations by transmission zone. For RECO, the estimated allocation is zero percent for calendar year 2017.
- (2) ACE-TEC rates calculated in Attachment 5 of the joint filing.
- (3) AEP-East-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (4) BG&E-TEC rates calculated in Attachment 5 of the joint filing.
- (5) Delmarva-TEC rates calculated in Attachment 5 of the joint filing.
- (6) PATH-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (7) PEPCO-TEC rates calculated in Attachment 5 of the joint filing.
- (8) PPL-TEC rates calculated in Attachment 5 of the joint filing.
- (9) PSE&G-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.
- (10) TrAILCo-TEC rates calculated in Attachment 5 of the joint filing.
- (11) VEPCo-TEC rates calculated in Attachment 5 of the joint filing - Filed May 12, 2017 in Case ER16040337.

Attachment 4A

TrailCo Formula Rate Update Compliance Filing

Attachment 4B

BG&E Formula Rate Update Compliance Filing

Attachment 4C

PPL Formula Rate Update Compliance Filing

Attachment 4D

ACE Formula Rate Update Compliance Filing

Attachment 4E

Delmarva Formula Rate Update Compliance Filing

Attachment 4F

PEPCO Formula Rate Update Compliance Filing

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May 15, 2017

By eFiling

Ms. Kimberly D. Bose, Secretary
 Federal Energy Regulatory Commission
 888 First Street, N.E.
 Washington, DC 20426

Re: Trans-Allegheny Interstate Line Company
 Electronic Informational Filing of 2017 Formula Rate Annual Update
 Docket Nos. ER07-562-000

Dear Secretary Bose:

Pursuant to the Commission's order dated May 31, 2007 in Docket No. ER07-562-000¹ and the uncontested settlement approved by the Commission in an order dated July 21, 2008 in Docket No. ER07-562-004,² Trans-Allegheny Interstate Line Company ("TrAILCo") hereby submits for informational purposes its 2017 Annual Update to recalculate its annual transmission revenue requirements ("Annual Update"). The Annual Update includes (i) a reconciliation of the annual transmission revenue requirements for the 2016 Rate Year³ (Attachment 1), (ii) the annual transmission revenue requirements for the 2017 Rate Year to become effective on June 1, 2017 (Attachment 2), and (iii) a detailed accounting of transfers between construction work in progress ("CWIP") and Plant in Service as required by the May 31 Order (Attachment 3).

¹ *Trans-Allegheny Interstate Line Co.*, 119 FERC ¶ 61,219 at P 59 (2007) ("May 31 Order").

² *Trans-Allegheny Interstate Line Co.*, 124 FERC ¶ 61,075 (2008).

³ The "Rate Year" begins on June 1 of a given calendar year and continues through May 31 of the subsequent calendar year.

TrAILCo's tariff on file with the Commission specifies that:

- b. On or before May 15 of each year, TrAILCo shall recalculate its Annual Transmission Revenue Requirements, producing the "Annual Update" for the upcoming Rate Year, and post such Annual Update on PJM's Internet website via link to the Transmission Services page or a similar successor page. The Annual Update, which shall show separately the transmission revenue requirement for each TrAILCo facility listed in Schedule 12 - Appendix as subject to these procedures, shall also be provided to FERC in an informational filing.
- c. If the date for making the Annual Update posting/filing should fall on a weekend or a holiday recognized by the FERC, then the posting/filing shall be due on the next business day.⁴

The Annual Update attached hereto and submitted to PJM Interconnection, L.L.C. for posting on its Internet website via link to the Transmission Services and Formula Rates pages includes a recalculation of TrAILCo's annual transmission revenue requirements. The Annual Update contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7) (2017). In addition, please note that TrAILCo has made no material changes in its accounting policies and practices from those in effect during the previous Rate Year and upon which the current rate is based.

Thank you for your attention to this informational filing. Please direct any questions to the undersigned.

Respectfully submitted,

/s/ Mike Naeve

Mike Naeve

*Attorney for
Trans-Allegheny Interstate Line Company*

Enclosures

⁴ PJM Interconnection, L.L.C., Open Access Transmission Tariff as filed with the Commission in Docket No. ER10-2710 on September 17, 2010 ("PJM Tariff"), Attachment H-18B, Sections 1(b), (c), as amended in Docket No. ER11-2801 (effective Sept. 17, 2010).

ATTACHMENT 1

Reconciliation of 2016

Annual Transmission Revenue Requirements

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company			TrAILCo	
Formula Rate -- Appendix A	Notes	FERC Form 1 Page # or Instruction		
Shaded cells are input cells			2016 Reconciliation	

Allocators

Wages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21.b	0
2	Total Wages Expense		p354.28.b	0
3	Less A&G Wages Expense		p354.27.b	0
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	0
5	Wages & Salary Allocator		(Line 1 / Line 4), if line 2 = 0, then 100%	100.0000%
Plant Allocation Factors				
6	Electric Plant In Service	(Note B)	Attachment 5	1,869,418,014
7	Total Plant In Service		(Line 6)	1,869,418,014
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	168,454,669
9	Total Accumulated Depreciation		(Line 8)	168,454,669
10	Net Plant		(Line 7 - Line 9)	1,700,963,345
11	Transmission Gross Plant		(Line 15 + Line 21)	1,869,418,014
12	Gross Plant Allocator		(Line 11 / Line 7, if Line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant		(Line 11 - Line 29)	1,700,963,345
14	Net Plant Allocator		(Line 13 / Line 10, if line 10=0, enter 100%)	100.0000%

Plant Calculations

Transmission Plant				
15	Transmission Plant In Service	(Note B)	Attachment 5	1,794,410,244
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B)	Attachment 6	0
17	Total Transmission Plant		(Line 15 + Line 16)	1,794,410,244
18	General & Intangible		Attachment 5	75,007,770
19	Total General & Intangible		(Line 18)	75,007,770
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant		(Line 19 * Line 20)	75,007,770
22	Transmission Related Plant		(Line 17 + Line 21)	1,869,418,014
Accumulated Depreciation				
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	152,116,262
24	Accumulated General Depreciation		Attachment 5	7,483,964
25	Accumulated Intangible Amortization		Attachment 5	8,854,442
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	16,338,406
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation		(Line 26 * Line 27)	16,338,406
29	Total Transmission Related Accumulated Depreciation		(Line 23 + Line 28)	168,454,669
30	Total Transmission Related Net Property, Plant & Equipment		(Line 22 - Line 29)	1,700,963,345

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
31	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1	-283,045,574
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)	-283,045,574
33	Transmission Related CWIP (Current Year 13 Month weighted average balances)	(Note B)	p216.b.43 as shown on Attachment 6	138,637
34	Transmission Related Land Held for Future Use	(Note C)	Attachment 5	0
Transmission Related Pre-Commercial Costs Capitalized				
35	Unamortized Capitalized Pre-Commercial Costs		Attachment 5	0
Prepayments				
36	Transmission Related Prepayments	(Note A)	Attachment 5	715,900
Materials and Supplies				
37	Undistributed Stores Expense	(Note A)	Attachment 5	0
38	Wage & Salary Allocator		(Line 5)	100.0000%
39	Total Undistributed Stores Expense Allocated to Transmission		(Line 37 * Line 38)	0
40	Transmission Materials & Supplies		Attachment 5	0
41	Transmission Related Materials & Supplies		(Line 39 + Line 40)	0
Cash Working Capital				
42	Operation & Maintenance Expense		(Line 74)	1,896,609
43	1/8th Rule		1/8	12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)	237,076
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	-281,953,961
46	Rate Base		(Line 30 + Line 45)	1,419,009,385

O&M

Transmission O&M				
47	Transmission O&M		p321.112.b	7,272,539
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	564,795
49	Less Account 565		p321.96.b	0
50	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note M)	PJM Data	0
51	Plus Property Under Capital Leases		p200.4.c	0
52	Transmission O&M		(Lines 47 - 48 - 49 + 50 + 51)	6,707,744
A&G Expenses				
53	Total A&G		p323.197.b	-5,375,930
54	Less Property Insurance Account 924		p323.185.b	78,857
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	0
56	Less General Advertising Exp Account 930.1		p323.191.b	0
57	Less PBOP Adjustment		Attachment 5	0
58	Less EPRI Dues	(Note D)	p352 & 353	0
59	A&G Expenses		(Line 53) - Sum (Lines 54 to 58)	-5,454,787
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)	-5,454,787
Directly Assigned A&G				
62	Regulatory Commission Exp Account 928	(Note G)	Attachment 5	0
63	General Advertising Exp Account 930.1	(Note J)	Attachment 5	0
64	Subtotal - Accounts 928 and 930.1 - Transmission Related		(Line 62 + Line 63)	0
65	Property Insurance Account 924		p323.185.b	78,857
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	78,857
68	Net Plant Allocator		(Line 14)	100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)	78,857
Account 566 Miscellaneous Transmission Expense				
70	Amortization Expense on Pre-Commercial Cost	Account 566	Attachment 5	0
71	Pre-Commercial Expense	Account 566	Attachment 5	0
72	Miscellaneous Transmission Expense	Account 566	Attachment 5	564,795
73	Total Account 566		Sum (Lines 70 to 72)	564,795
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)	1,896,609

Depreciation & Amortization Expense

Depreciation Expense			
75	Transmission Depreciation Expense	Attachment 5	37,651,525
76	General Depreciation	Attachment 5	1,520,309
77	Intangible Amortization (Note A)	Attachment 5	2,014,881
78	Total	(Line 76 + Line 77)	3,535,190
79	Wage & Salary Allocator	(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization	(Line 78 * Line 79)	3,535,190
81	Total Transmission Depreciation & Amortization	(Lines 75 + 80)	41,186,715

Taxes Other than Income

82	Transmission Related Taxes Other than Income	Attachment 2	11,663,043
83	Total Taxes Other than Income	(Line 82)	11,663,043

Return / Capitalization Calculations

84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	927,684,324
86	Less Accumulated Other Comprehensive Income Account 219		p112.15.c	0
87	Less Preferred Stock		(Line 95)	0
88	Less Account 216.1		p112.12.c	0
89	Common Stock		(Line 85 - 86 - 87 - 88)	927,684,324
Capitalization				
90	Long Term Debt (Note N)			624,664,027
91	Less Unamortized Loss on Reacquired Debt		p111.81.c	0
92	Plus Unamortized Gain on Reacquired Debt		p113.61.c	0
93	Less ADIT associated with Gain or Loss		Attachment 1	0
94	Total Long Term Debt		(Line 90 - 91 + 92 - 93)	624,664,027
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	927,684,324
97	Total Capitalization		(Sum Lines 94 to 96)	1,552,348,351
98	Debt %	Total Long Term Debt (Note N)	(Line 94 /Line 97)	40.2399%
99	Preferred %	Preferred Stock (Note N)	(Line 95 /Line 97)	0.0000%
100	Common %	Common Stock (Note N)	(Line 96 /Line 97)	59.7601%
101	Debt Cost	Total Long Term Debt		0.0394
102	Preferred Cost	Preferred Stock	(Line 84 / Line 95)	0.0000
103	Common Cost	Common Stock (Note I)	The most recent FERC approved ROE	0.1170
104	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 98 * Line 101)	0.0159
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0699
107	Rate of Return on Rate Base (ROR)		(Sum Lines 104 to 106)	0.0858
108	Investment Return = Rate Base * Rate of Return		(Line 46 * Line 107)	121,713,838

Composite Income Taxes

Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	35.00%
110	SIT=State Income Tax Rate or Composite		7.71%
111	p	(percent of federal income tax deductible for state purp: Per State Tax Code	0.00%
112	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	40.01%
113	T / (1-T)		66.70%
114	Income Tax Component =	$CIT=(T/(1-T) * Investment Return * (1-(WCLTD/R)) =$ [Line 113 * Line 108 * (1- (Line 104 / Line 107))]	66,176,469
115	Total Income Taxes	(Line 114)	66,176,469

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,700,963,345
117	<u>Total Adjustment to Rate Base</u>	(Line 45)	<u>-281,953,961</u>
118	Rate Base	(Line 46)	1,419,009,385
119	Total Transmission O&M	(Line 74)	1,896,609
120	Total Transmission Depreciation & Amortization	(Line 81)	41,186,715
121	Taxes Other than Income	(Line 83)	11,663,043
122	Investment Return	(Line 108)	121,713,838
123	Income Taxes	(Line 115)	66,176,469

124 Gross Revenue Requirement (Sum Lines 119 to 123) 242,636,673

Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service	(Line 22)	1,869,418,014
126	<u>Excluded Transmission Facilities</u>	(Note L) Attachment 5	<u>0</u>
127	Included Transmission Facilities	(Line 125 - Line 126)	1,869,418,014
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	242,636,673
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	242,636,673

Revenue Credits			
131	Revenue Credits	Attachment 3	1,845,877

132 Net Revenue Requirement (Line 130 - Line 131) 240,790,796

Net Plant Carrying Charge			
133	Net Revenue Requirement	(Line 132)	240,790,796
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,642,432,619
135	FCR	(Line 133 / Line 134)	14.6606%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	12.3682%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	12.3682%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	0.9284%

Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	52,900,490
140	Increased Return and Taxes	Attachment 4	202,026,424
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	254,926,914
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,642,432,619
143	FCR with Incentive ROE	(Line 141 / Line 142)	15.5213%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	13.2289%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	13.2289%

146	Net Revenue Requirement	(Line 132)	240,790,796.42
147	Reconciliation amount	Attachment 6	0.00
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones	Attachment 7	8,572,071.36
149	<u>Facility Credits under Section 30.9 of the PJM OATT</u>	Attachment 5	<u>0.00</u>

150 Net Zonal Revenue Requirement (Line 146 + 147 + 148 + 149) 249,362,867.79

Network Zonal Service Rate			
151	1 CP Peak	(Note K) PJM Data	N/A
152	Rate (\$/MW-Year)	(Line 150 / 151)	N/A

153 Network Service Rate (\$/MW/Year) (Line 152) N/A

Notes

- A Electric portion only
- B For both the estimate and the reconciliation, Construction Work In Progress ("CWIP") and leases that are expensed as O&M (rather than amortized) are excluded.
For the Estimate Process:
Transmission plant in service will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
The transmission plant will agree to or be reconciled to the FERC Form 1 balance for the transmission plant.
New Transmission Plant expected to be placed in service in the current calendar year will be based on the average of 13 monthly investment costs and shown separately detailed by project on Attachment 6.
Accumulated depreciation will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
For the Reconciliation Process:
Transmission plant in service will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes
new transmission plant added to plant-in-service
Accumulated depreciation will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes
accumulated depreciation associated with current year transmission plant.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Includes Transmission portion only and (i) only land that has an estimated in-service date within 10 years may be included and (ii) a plan for the land's use is required to be included in the filing whenever the cost of the land is proposed to be included in rates.
- D Excludes all EPRI Annual Membership Dues
- E Excludes all Regulatory Commission Expenses
- F Includes Safety related advertising included in Account 930.1
- G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- H The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed.
- I ROE will be established in the Commission order accepting the settlement in Docket No. ER07-562 and no change in ROE will be made absent a Section 205 or Section 206 filing at FERC.
- J Education and outreach expenses relating to transmission, for example siting or billing
- K As provided for in Section 34.1 of the PJM OATT; the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
- L Amount of transmission plant excluded from rates per Attachment 5.
- M Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M on Line 47. If they are booked to Acct 565, they are included on Line 50. Copies of PJM invoices will be provided upon request.
- N The capital structure will remain 50% equity and 50% debt until construction of all of the segments of the TrAIL Project is completed and the entire TrAIL Project is placed in service. The first year that these projects are in service the formula will be run based on the 50/50 capital structure and on the actual year end capital structure. The two results will be weighted based on: the number of days the last project was in service and 365 day minus the numbers of days the last project was in service divided by 365 days. This can be illustrated using the following example:

Example:

Assume Last Project goes into service on day 260.
Hypothetical Capital Structure until the last project goes into service is 50/50.
Assume Year End actual capital structure is 60% equity and 40% debt.

Therefore: Weighted Equity = $[50\% \cdot 260 + 60\% \cdot (365 - 260)] / 365$

Trans-Allegheny Interstate Line Company
Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Line	Trans-Allegheny Interstate Company							
	B1	B2	B3	C	D	E	F	G
	<i>Beg of Year Total</i>	<i>End of Year Total</i>	<i>End of Year for Est. Average for Final Total</i>	<i>Retail Related</i>	<i>Only Transmission Related</i>	<i>Plant Related</i>	<i>Labor Related</i>	<i>Total ADIT</i>
1 ADIT-282 From Account Total Below	490,536,784	545,228,004	517,882,394		517,882,394	-	-	517,882,394
2 ADIT-283 From Account Total Below	98,550,204	101,839,033	100,194,619		98,962,487	-	-	98,962,487
3 ADIT-190 From Account Total Below	(335,972,025)	(334,216,000)	(335,094,013)		(333,799,307)	-	-	(333,799,307)
4 Subtotal					283,045,574	-	-	283,045,574
5 Wages & Salary Allocator							100.00000%	
6 Gross Plant Allocator						100.00000%		
7 ADIT					283,045,574	-	-	283,045,574

Enter Negative

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 93.
 Amount 0 < From Acct 283, below

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B1	B2	B3	C	D	E	F	G	JUSTIFICATION
	Trans-Allegheny Interstate Company								
ADIT-190	Beg of Year Balance	End of Year Balance	Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
	p234.18.b	p234.18.c							
Charitable Contribution Carryforward	10,755	10,899	10,827			10,827			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution State & Local RTA	-	249	125			125			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC Fed Norm-Incurred-CWIP	-	1,862,609	931,305			931,305			Taxable CIAC
FASB 109 Gross-Up	(463,554)	11,882,116	5,709,281			5,709,281			Recess of the tax portion (gross-up) for property items included in account 190
Federal NOL	225,521,300	225,521,300	225,521,300			225,521,300			Result of bonus depreciation
A&G Expenses-VA Norm	13,303	-	6,652			6,652			Accounting change relating to A&G expense
A&G Expenses-WV Norm	22,984	-	11,492			11,492			Accounting change relating to A&G expense
Merger Costs DMO Insurance	1,634	1,493	1,564		1,564				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs Liases	75,392	68,888	72,140		72,140				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Asset - LT PA	5,213,131	4,400,386	4,806,759			4,806,759			Result of bonus depreciation
NOL Deferred Tax Asset PA	-	-	-			-			Result of bonus depreciation
NOL Deferred Tax Asset WV	-	-	-			-			Result of bonus depreciation
Pension/OPER, Other Def Cr. Or Dr.	2,154,419	2,183,288	2,168,854			2,168,854			Pension related temporary difference associated with Service Company allocations
Accelerated Tax Dep-MD Norm	140,229	-	70,115			70,115			Additional tax depreciation over book
Accelerated Tax Depr-VA Norm	868,154	-	434,077			434,077			Additional tax depreciation over book
Purch Accl. LTD FMV Revaluation Adjustment	1,212,876	1,229,128	1,221,002		1,221,002				Reflects the adjustments and subsequent amortization of the regulatory asset associated with the adjusted debt balances resulting from the FE/AYE merger (Offset is PA - LT Regulatory Asset Amort below in 283)
State Income Tax Deductible	2,621,595	5,039,440	3,830,518			3,830,518			Temporary difference resulting from purchase accounting transactions
Unamortized Discount	414,056	-	207,028			207,028			Deductions related to state income taxes
Accelerated Tax Depn-WV Norm	3,859,919	-	1,929,960			1,929,960			Unamortized discounts on long-term debt
AFUDC Debt-MD Norm	25,607	-	12,804			12,804			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC Debt-WV Norm	18,000	-	9,000			9,000			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC EquityFAS 43 Fed-FT-Reversal-CWIP	3,859,115	-	1,929,558			1,929,558			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43 MD-FT-Reversal-CWIP	35,785	-	17,893			17,893			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43 PA-FT-Reversal-CWIP	115,983	-	57,992			57,992			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43 VA-FT-Reversal-CWIP	39,417	-	19,709			19,709			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43 WV-FT-Reversal-CWIP	302,990	-	151,495			151,495			Portion of AFUDC Equity that relates to property and booked to account 190
AMT Carryforward	42,492	-	21,246			21,246			Paid AMT tax which generates a credit
Cap Vertical Tree Trimming-VA-Norm	312	-	156			156			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cap Vertical Tree Trimming-WV Norm	190	-	95			95			Temporary difference that is capitalized for book purposes but deductible for tax purposes
CIAC Fed-Norm-Reversal-CWIP	4,679,258	4,631,520	4,655,389			4,655,389			Taxable CIAC
CIAC MD-Norm-Incurred-CWIP	-	21,252	10,626			10,626			Taxable CIAC
CIAC MD-Norm-Reversal-CWIP	54,464	50,842	52,653			52,653			Taxable CIAC
CIAC PA Norm-Incurred-CWIP	-	70,048	35,024			35,024			Taxable CIAC
CIAC PA Norm-Reversal-CWIP	81,387	167,099	124,243			124,243			Taxable CIAC
CIAC VA Norm	6,939	-	3,470			3,470			Taxable CIAC
CIAC VA Norm-Incurred-CWIP	-	20,232	10,116			10,116			Taxable CIAC
CIAC VA Norm-Reversal-CWIP	47,220	49,701	48,461			48,461			Taxable CIAC
CIAC WV Norm	19,971	-	9,986			9,986			Taxable CIAC
CIAC WV Norm-Incurred-CWIP	-	155,180	77,590			77,590			Taxable CIAC
CIAC WV Norm-Reversal-CWIP	362,967	381,380	372,174			372,174			Taxable CIAC
Cost of Removal-VA Norm	1,265	-	633			633			Temporary difference arising for removal of plant/property
NOL Deferred Tax Asset - LT WV	17,735,335	17,735,335	17,735,335			17,735,335			Result of bonus depreciation
Other Basis Differences VA Norm	17,750	-	8,875			8,875			Other property related temporary differences
Tax Interest Capitalized Fed-Norm	27,961,991	29,576,802	28,769,397			28,769,397			Actual amount of tax interest capitalized
Tax Interest Capitalized Fed-Norm-Incurred-CWIP	30,265,433	32,238,748	31,252,091			31,252,091			Actual amount of tax interest capitalized
Tax Interest Capitalized MD Norm	405,260	476,552	440,906			440,906			Actual amount of tax interest capitalized
Tax Interest Capitalized MD Norm-Incurred-CWIP	280,697	308,436	293,567			293,567			Actual amount of tax interest capitalized
Tax Interest Capitalized PA Norm	761,090	682,978	722,034			722,034			Actual amount of tax interest capitalized
Tax Interest Capitalized PA Norm-Incurred-CWIP	909,770	995,377	952,574			952,574			Actual amount of tax interest capitalized
Tax Interest Capitalized VA Norm	491,269	627,601	559,435			559,435			Actual amount of tax interest capitalized
Tax Interest Capitalized VA Norm-Incurred-CWIP	309,186	331,599	320,394			320,394			Actual amount of tax interest capitalized
Tax Interest Capitalized WV Norm	2,555,859	2,831,360	2,693,610			2,693,610			Actual amount of tax interest capitalized
Tax Interest Capitalized WV Norm-Incurred-CWIP	2,376,649	2,548,278	2,462,464			2,462,464			Actual amount of tax interest capitalized
Tax UoP Repair Exp-MD Norm	40,067	-	20,034			20,034			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Tax UoP Repair Exp-WV Norm	38,558	-	19,279			19,279			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	335,508,471	346,098,116	340,803,294	-	1,294,706	339,508,588	-	-	
Less FASB 109 included above	(463,554)	11,882,116	5,709,281	-	-	5,709,281	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	335,044,917	357,980,232	346,512,575	-	1,294,706	333,799,307	-	-	

Instructions for Account 190:

- ADIT items related only to Retail Related Operations are directly assigned to Column C.
- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADIT items related only to Transmission are directly assigned to Column E.
- ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
- ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C D E F G					JUSTIFICATION
	Trans-Allegheny Interstate Company								
ADIT-282	Beg of Year Balance	End of Year Balance	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
	274.9.b	275.9.k							
Property Related - ABFUDC	-	-	-	-	-	-	-	-	Allowance for borrowed funds used during construction (ABFUDC)
Accelerated Tax Depreciation	463,296,662	510,293,001	486,794,832	-	-	486,794,832	-	-	Additional tax depreciation over book
Property Related - Tax Depreciation	-	-	-	-	-	-	-	-	Tax depreciation
FASB 109 Fixed Asset Adjustment	-	-	-	-	-	-	-	-	Increase in AOFDC
FASB 109 Gross-Up	3,540,272	13,453,841	8,497,057	-	-	8,497,057	-	-	Reclass of the tax portion (gross-up) for property items included in account 282
Book Depreciation Expense	-	-	-	-	-	-	-	-	Book depreciation
Amortization Expense - Intangible Plant	-	-	-	-	-	-	-	-	Book depreciation / amortization
Bonus Depreciation	-	-	-	-	-	-	-	-	Tax depreciation
CIACS Taxable	-	-	-	-	-	-	-	-	Taxable CIAC
Tax Interest Capitalized	-	-	-	-	-	-	-	-	Actual amount of tax interest capitalized
Power Tax Adjustment	-	-	-	-	-	-	-	-	System adjustment to reclass balances to correct FERC accounts
A&G Expenses Capitalized	3,539,760	5,860,076	4,699,918	-	-	4,699,918	-	-	Accounting change relating to A&G expense
Estimated Property Regulatory Asset Adjustment	-	-	-	-	-	-	-	-	Property True-Up
Book Profit/Loss on Retirement	-	-	-	-	-	-	-	-	Result of gain or loss on asset retirements
Repair & Maintenance 481 a Adjustment	-	-	-	-	-	-	-	-	Portion of Repairs & Maintenance 481a Adjustment offset in Account 182
Repair & Maintenance Deduction	-	-	-	-	-	-	-	-	Portion of Repairs & Maintenance deduction offset in Account 182
Additional State Depreciation VA	2,926,723	3,272,806	3,099,765	-	-	3,099,765	-	-	Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	42,297,527	46,156,850	44,227,189	-	-	44,227,189	-	-	Temporary difference for additional state depreciation allowed for WV tax return
Additional State Depreciation MD	1,663,916	2,044,318	1,854,117	-	-	1,854,117	-	-	Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	6,837,309	7,055,017	6,946,163	-	-	6,946,163	-	-	Temporary difference for additional state depreciation allowed for PA tax return
AFUDC Equity Flow Through	-	-	-	-	-	-	-	-	Portion of AFUDC Equity that relates to property and booked to account 282
AFUDC Debt	3,408,893	4,217,661	3,813,277	-	-	3,813,277	-	-	Portion of AFUDC Debt that relates to property and booked to account 282
Cost of Removal	(2,654,486)	(2,596,487)	(2,625,487)	-	-	(2,625,487)	-	-	Temporary difference arising for removal of plant/property
MACRS/ACRS Property Retired Retail	-	-	-	-	-	-	-	-	Result of gain or loss on asset retirements
Capitalized Vertical Tree Trimming	37,702	88,162	62,932	-	-	62,932	-	-	Temporary difference that is capitalized for book purposes but deductible for tax purposes
Life Insurance - Capital Portion	-	-	-	-	-	-	-	-	Temporary difference from Life Insurance that is capitalized as property and booked to account 282 (instead of account 283)
Ordinary Gain/Loss - Reverse Books	-	-	-	-	-	-	-	-	Reversal of book gains and losses
Sale of Property - Book Gain or (Loss)	(50,657)	(73,032)	(61,845)	-	-	(61,845)	-	-	
Vegetation Management - Transmission	(27,318)	(162,689)	(95,004)	-	-	(95,004)	-	-	Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Other Basis Differences	(33,786,439)	(34,005,677)	(33,896,058)	-	-	(33,896,058)	-	-	Other property related temporary differences
TBS Property Adjustment	-	-	-	-	-	-	-	-	Adjustment to property in order to align Tax Basis Balance Sheet
T&D Repairs	3,047,192	3,077,998	3,062,595	-	-	3,062,595	-	-	Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	494,077,056	558,681,845	526,379,451	-	-	526,379,451	-	-	
Less FASB 109 included above	3,540,272	13,453,841	8,497,057	-	-	8,497,057	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	490,536,784	545,228,004	517,882,394	-	-	517,882,394	-	-	

Instructions for Account 282:

- ADIT items related only to Retail Related Operations are directly assigned to Column C.
- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADIT items related only to Transmission are directly assigned to Column E.
- ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
- ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Trans-Allegheny Interstate Line Company
Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	FERC Form No.1 page, line & Col	Amount	Allocator	Allocated Amount	
Plant Related		Gross Plant Allocator			
1.1	2015 State Property WV	p263.30(i)	4,204,121	100.0000%	\$ 4,204,121
1.2	2016 State Property WV	p263.31(i)	4,408,671	100.0000%	4,408,671
1.3	2016 State Property PA (PURTA)	p263.18(i)	27,000	100.0000%	27,000
1.4	Prior Years' State Property PA (PURTA)	p263.19(i)	6,544	100.0000%	6,544
1.5	2014 Local Property WV	p263.1.2(i)	(33)	100.0000%	(33)
1.6	2015 Local Property WV	p263.1.3(i)	14,833	100.0000%	14,833
1.7	2016 Local Property WV	p263.1.4(i)	8,096	100.0000%	8,096
1.8	2016 Local Property VA	p263.1.7(i)	1,576,407	100.0000%	1,576,407
1.9	2015 Local Property PA	p263.1.10(i)	(313)	100.0000%	-313
2.0	2016 Local Property PA	p263.1.11(i)	4,904	100.0000%	4,904
2.1	2015 Local Property MD	p263.1.15(i)	572,827	100.0000%	572,827
2.2	2016 Local Property MD	p263.1.16(i)	784,570	100.0000%	784,570
2.3	2015 Capital Stock Tax/Franchise PA	p263.15(i)	53,943	100.0000%	53,943
2.4	2016 Capital Stock Tax/Franchise PA	p263.16(i)	300	100.0000%	300
2.5	State Sales/Use Tax PA	p263.15(i)	1,173	100.0000%	1,173
4	Total Plant Related		11,663,043	100.0000%	11,663,043
Labor Related		Wages & Salary Allocator			
5	Accrued Federal FICA		0		0
6	Accrued Federal Unemployment		0		0
7	State Unemployment		0		0
8	Total Labor Related		0	100.0000%	-
Other Included		Gross Plant Allocator			
9			0		0
10			0		0
11			0		0
12	Total Other Included		0	100.0000%	0
13	Total Included (Lines 4 + 8 + 12)		11,663,043		11,663,043 Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.2(i)	17,275,880		
15	Corporate Net Income Tax MD	p263.7(i)	609,967		
16	Corporate Net Income Tax PA	p263.12(i)	2,917,643		
17	Corporate Net Income Tax VA	p263.23(i)	554,719		
18	Corporate Net Income Tax WV	p263.27(i)	2,415,988		
19	Subtotal, Excluded		23,774,197		
20	Total, Included and Excluded (Line 13 + Line 19)		35,437,240		
21	Total Other Taxes from p114.14.c		11,663,043		
22	Difference (Line 20 - Line 21)		23,774,197		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they shall not be included.
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they shall not be included.
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

Trans-Allegheny Interstate Line Company

Attachment 3 - Revenue Credit Workpaper

Amount FERC Form No.1
page, line & Col

Account 454 - Rent from Electric Property

1	Rent from Electric Property - Transmission Related (Note 3)		-	Page 300 Line: 19 Column: b
2	Total Rent Revenues	(Line 1)	-	

Account 456 - Other Electric Revenues (Note 1)

3	Schedule 1A		-	
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)		-	
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner		1,845,877	p328-330 Footnote Data Schedule Page: 328 Line: 1 Column: m
6	PJM Transitional Revenue Neutrality (Note 1)		-	
7	PJM Transitional Market Expansion (Note 1)		-	
8	Professional Services (Note 3)		-	
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)		-	
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)		-	
11	Gross Revenue Credits	(Sum Lines 2-10)	1,845,877	
12	Less line 14g		-	
13	Total Revenue Credits	(Line 11 - Line 12)	<u>1,845,877</u>	Input to Appendix A, Line 131

Revenue Adjustment to determine Revenue Credit

14a	Revenues associated with lines 14b-g are to be included in lines 2-10 and total of those revenues entered here		-	
14b	Costs associated with revenues in line 14a		-	
14c	Net Revenues (14a - 14b)		-	
14d	50% Share of Net Revenues (14c / 2)		-	
14e	Costs associated with revenues in line 14a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.		-	
14f	Net Revenue Credit (14d + 14e)		-	
14g	Line 14a less line 14f		-	
15	Amount offset in line 4 above		-	
16	Total Account 454 and 456		<u>1,845,877</u>	

17 Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 178 of Appendix A.

18 Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.

19 Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 14a - 14g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).

20 Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support. For example revenues associated with distribution facilities. In addition Revenues from Schedule 12 of the PJM OATT are not included in the total above to the extent they are credited under Schedule 12 of the PJM OATT.

Trans-Allegheny Interstate Line Company

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)	202,026,424	Input to Appendix A, Line 140
B	Difference between Base ROE and Incentive ROE		100	

Return Calculation

		Source Reference		
1	Rate Base		Appendix A, Line 46	1,419,009,385
2	Preferred Dividends	enter positive	Appendix A, Line 84	0
Common Stock				
3	Proprietary Capital		Appendix A, Line 85	927,684,324
4	Less Accumulated Other Comprehensive Income Account 219		Appendix A, Line 86	0
5	Less Preferred Stock		Appendix A, Line 87	0
6	Less Account 216.1		Appendix A, Line 88	0
7	Common Stock		Appendix A, Line 89	927,684,324
Capitalization				
8	Long Term Debt		Appendix A, Line 90	624,664,027
9	Less Unamortized Loss on Reacquired Debt		Appendix A, Line 91	0
10	Plus Unamortized Gain on Reacquired Debt		Appendix A, Line 92	0
11	Less ADIT associated with Gain or Loss		Appendix A, Line 93	0
12	Total Long Term Debt		Appendix A, Line 94	624,664,027
13	Preferred Stock		Appendix A, Line 95	0
14	Common Stock		Appendix A, Line 96	927,684,324
15	Total Capitalization		Appendix A, Line 97	1,552,348,351
16	Debt %	Total Long Term Debt	Appendix A, Line 98	40.2399%
17	Preferred %	Preferred Stock	Appendix A, Line 99	0.0000%
18	Common %	Common Stock	Appendix A, Line 100	59.7601%
19	Debt Cost	Total Long Term Debt	Appendix A, Line 101	0.0394
20	Preferred Cost	Preferred Stock	Appendix A, Line 102	0.0000
21	Common Cost	Common Stock	Appendix A, Line 102	12.70% 0.1270
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 16 * 19)	0.0159
23	Weighted Cost of Preferred	Preferred Stock	(Line 17 * 20)	0.0000
24	Weighted Cost of Common	Common Stock	(Line 18 * 21)	0.0759
25	Rate of Return on Rate Base (ROR)		(Sum Lines 22 to 24)	0.0917
26	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 25)	130,193,847

Composite Income Taxes

Income Tax Rates				
27	FIT=Federal Income Tax Rate		Appendix A, Line 109	35.00%
28	SIT=State Income Tax Rate or Composite		Appendix A, Line 110	7.71%
29	p = percent of federal income tax deductible for state purposes		Appendix A, Line 111	0.00%
30	T	$T=1 - \frac{FIT}{1 - SIT}$	Appendix A, Line 112	40.01%
31	T/(1-T)		Appendix A, Line 113	66.70%
32	Income Tax Component =	$CIT=(T/(1-T)) * Investment\ Return * (1-(WCLTD/R)) =$		71,832,578
33	Total Income Taxes		(Line 32)	71,832,578

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Plant in Service Worksheet

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions

Calculation of Transmission Plant In Service	Source	13 Month Balance for Reconciliation	EOY Balance for Estimate	Meadowbrook													
				Black Oak	Wylie Ridge	500 Junction - Fortional Line	Potter SS	CrappWhitby	Transformer	North Sherandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans	
December	p206 58 b	For 2015	1,687,396,690	46,829,901	17,965,667	1,074,261,339	2,024,007	24,534,011	8,206,718	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307	
January	company records	For 2016	1,699,332,662	46,814,248	17,965,667	1,074,270,565	2,024,007	24,534,011	8,206,718	80,682	7,723,538	6,496,239	39,632,254	5,149,271	4,686,053	5,700,307	
February	company records	For 2016	1,699,635,030	46,814,248	17,965,667	1,074,277,976	2,024,007	24,534,011	8,206,718	80,682	7,723,538	6,496,239	39,632,253	5,149,271	4,686,053	5,700,307	
March	company records	For 2016	1,700,113,220	46,814,248	17,965,667	1,074,272,169	2,024,007	24,534,011	8,206,718	80,682	7,723,538	6,496,239	39,632,674	5,149,271	4,686,053	5,700,307	
April	company records	For 2016	1,700,666,931	46,814,248	17,965,667	1,073,509,246	2,022,799	24,534,011	8,206,718	80,682	7,723,538	6,496,239	39,632,648	5,149,271	4,686,053	5,700,307	
May	company records	For 2016	1,762,440,068	46,814,248	17,965,667	1,073,491,990	2,022,799	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,529,165	5,149,271	4,686,053	5,700,307	
June	company records	For 2016	1,762,043,134	46,814,248	17,965,667	1,073,534,526	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
July	company records	For 2016	1,788,211,237	46,814,248	17,965,667	1,073,741,468	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
August	company records	For 2016	1,787,898,512	46,814,248	17,965,667	1,073,855,037	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
September	company records	For 2016	1,889,174,741	46,814,248	17,965,667	1,076,109,795	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
October	company records	For 2016	1,887,331,478	46,814,248	17,965,667	1,076,103,678	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
November	company records	For 2016	1,946,167,981	46,814,248	17,965,667	1,076,107,461	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
December	p207 58 a	For 2016	1,979,482,581	46,814,248	17,965,667	1,076,634,181	2,022,654	24,534,011	8,206,718	1,923,902	7,723,538	6,496,239	39,535,803	5,149,271	4,686,053	5,700,307	
15	Transmission Plant In Service		1,794,410,244	1,979,482,581	46,800,068	17,965,667	1,074,628,416	2,023,039	24,534,011	8,206,718	1,214,971	7,723,538	6,496,239	39,572,436	5,149,271	4,686,053	5,700,307

Totals																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubt SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh Seward	Luxor	Grandpoint & Gullford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,566,033	657,191	10,130,932	27,382,121	1,199,446	1,789,607	12,856,280	36,227,982	3,327,672	569,408	43,982,577	4,942,684	440,967
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,596,254	657,191	10,130,932	27,382,373	1,199,446	1,789,607	12,856,280	36,253,350	3,327,672	569,408	43,982,577	4,942,684	440,967
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,596,254	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,856,280	36,253,419	3,327,672	569,408	43,982,577	4,942,684	796,787
7,119,671	15,864,168	1,789,536	832,202	4,993,604	60,608,369	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,425	36,258,057	3,327,672	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,168	1,794,432	832,202	4,993,604	60,608,369	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,057	3,327,672	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,168	1,799,720	832,202	4,993,604	60,760,246	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,295	1,801,240	832,202	4,993,604	60,762,983	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,864,506	1,800,807	832,202	4,993,604	60,762,297	657,191	10,130,932	27,399,976	1,199,446	1,789,607	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,826,843	1,800,807	832,202	4,993,604	60,762,297	657,191	10,130,932	27,399,999	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,828,943	1,800,807	832,202	4,993,604	60,762,297	657,191	10,130,932	27,401,121	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,823,574	1,800,807	832,202	4,993,604	60,762,297	657,191	10,130,932	27,407,843	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,823,574	1,800,807	832,202	4,993,604	60,762,297	657,191	10,130,932	27,408,558	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,119,671	15,823,574	1,800,807	832,202	4,993,604	60,762,197	657,191	10,130,932	27,408,598	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,983,222	4,942,684	438,837
7,119,671	15,772,170	1,794,820	832,202	4,986,513	60,697,861	657,191	10,130,932	27,399,293	1,199,446	1,786,443	12,862,170	36,255,196	3,327,672	569,408	43,983,396	4,942,684	549,303

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nywaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Total	
6,049,310	54,800,390	9,550,913	891,283	1,525,229	544,933	18,603,072	31,300,019	1,759,727	1,342,814	878,262	20,995,363	2,304,576	29,391,313	20,704,718	1,138,659	917,779	-	-	-	-	-	-	-	1,687,396,680
6,050,735	54,807,878	9,550,913	891,283	1,525,229	503,730	18,649,245	31,308,118	1,760,239	7,417,432	1,369,869	891,015	20,488,691	2,304,948	38,565,330	20,915,820	1,133,705	923,342	2,258,136	-	-	-	-	-	1,699,332,662
6,057,325	54,779,710	9,550,913	891,283	1,525,229	501,089	18,671,609	31,321,096	1,760,254	7,635,441	1,368,881	891,014	20,563,479	2,304,720	38,062,811	21,045,831	1,135,094	924,188	2,291,706	-	-	-	-	-	1,699,635,030
6,061,940	54,829,822	9,550,913	891,283	1,525,229	501,092	18,677,744	31,320,151	1,760,270	7,682,786	1,368,881	891,014	20,671,674	2,304,731	38,083,151	21,152,056	1,135,027	938,256	2,356,035	-	-	-	-	-	1,700,113,220
6,064,115	54,869,166	9,550,913	891,283	1,525,229	501,112	18,676,131	31,315,419	1,754,181	7,692,827	1,368,881	891,014	20,702,138	2,292,766	38,325,421	21,244,768	1,135,027	934,952	2,748,489	-	-	-	-	-	1,700,695,911
6,068,040	54,861,655	9,550,913	891,283	1,525,229	504,403	18,691,011	31,315,648	1,754,181	7,695,109	1,368,881	891,014	20,702,811	2,294,787	38,325,912	21,288,083	1,135,027	935,646	2,739,353	604,537	42,848,629	36,949,549	-	-	1,782,440,068
6,069,613	54,862,917	9,675,056	891,283	1,525,229	504,192	18,695,094	31,315,718	1,754,181	7,702,169	1,368,881	891,014	20,646,460	2,294,787	38,280,873	22,062,954	1,135,027	936,165	2,801,378	617,418	41,608,374	37,799,694	-	-	1,782,043,154
7,245,672	54,905,579	9,675,056	891,283	1,525,229	504,192	18,585,681	31,315,699	1,754,181	7,706,208	1,368,881	891,014	21,254,960	2,294,787	38,269,869	21,985,754	1,135,027	936,401	2,857,932	621,876	44,530,224	38,525,989	-	-	1,788,211,237
7,390,441	54,933,097	9,675,056	891,283	1,525,229	504,192	18,671,183	31,318,254	1,754,181	7,711,743	1,368,881	891,014	21,265,334	2,298,540	38,313,180	22,013,377	1,135,027	936,501	2,813,779	623,026	44,621,299	37,762,692	-	-	1,787,688,512
7,415,168	54,941,201	9,675,056	891,283	1,525,229	504,192	18,698,773	31,318,296	1,754,212	7,716,256	1,368,881	891,014	21,287,285	2,298,540	38,247,214	22,011,485	1,135,027	936,501	97,456,746	623,667	46,196,295	37,776,392	-	-	1,898,174,741
7,415,186	54,941,713	9,675,056	891,283	1,525,229	504,198	18,697,573	31,318,256	1,754,242	7,718,763	1,368,881	891,014	21,288,077	2,298,540	38,239,079	22,013,432	1,135,027	936,501	98,512,775	624,352	46,292,915	37,784,944	-	-	1,887,331,478
7,427,275	54,941,713	9,675,056	891,283	1,525,229	504,198	18,698,062	31,318,256	1,754,242	7,720,730	1,368,881	891,014	21,300,470	2,298,540	38,276,402	22,015,180	1,135,027	936,504	100,362,019	626,742	46,269,227	37,862,238	56,810,795	-	1,946,187,981
7,433,261	54,903,725	9,675,056	891,283	1,525,229	504,198	18,706,360	31,318,266	1,754,245	7,723,591	1,368,881	891,014	21,303,500	2,298,540	38,292,874	22,023,148	1,135,027	936,604	100,992,366	61,755,999	46,339,694	37,865,951	73,968,297	-	1,973,492,951
6,673,276	54,852,950	9,617,759	891,283	1,525,229	506,594	18,670,731	31,315,627	1,756,026	7,653,747	1,366,877	890,033	20,926,168	2,278,369	37,592,481	21,575,124	1,135,210	932,998	32,170,826	1,624,423	27,591,835	23,266,418	10,029,158	1,794,410,244	1,807,370,780

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp.

			Link to Appendix A, line 15	Link to Appendix A, line 15
Calculation of Distribution Plant In Service				
	Source			
December	p206.75.b	For 2015	-	-
January	company records	For 2016	-	-
February	company records	For 2016	-	-
March	company records	For 2016	-	-
April	company records	For 2016	-	-
May	company records	For 2016	-	-
June	company records	For 2016	-	-
July	company records	For 2016	-	-
August	company records	For 2016	-	-
September	company records	For 2016	-	-
October	company records	For 2016	-	-
November	company records	For 2016	-	-
December	p207.75.g	For 2016	-	-
Distribution Plant In Service				
Calculation of Intangible Plant In Service				
	Source			
December	p204.5.b	For 2015	14,052,325	-
December	p205.5.g	For 2016	21,416,232	21,416,232
18 Intangible Plant In Service			17,734,979	21,416,232
Calculation of General Plant In Service				
	Source		Link to Appendix A, line 18	Link to Appendix A, line 18
December	p206.99.b	For 2015	57,266,501	-
December	p207.99.g	For 2016	57,280,481	57,280,481
18 General Plant In Service			57,273,481	57,280,481
Calculation of Production Plant In Service				
	Source		Link to Appendix A, line 18	Link to Appendix A, line 18
December	p204.46b	For 2015	-	-
January	company records	For 2016	-	-
February	company records	For 2016	-	-
March	company records	For 2016	-	-
April	company records	For 2016	-	-
May	company records	For 2016	-	-
June	company records	For 2016	-	-
July	company records	For 2016	-	-
August	company records	For 2016	-	-
September	company records	For 2016	-	-
October	company records	For 2016	-	-
November	company records	For 2016	-	-
December	p205.46.g	For 2016	-	-
Production Plant In Service				
6 Total Plant In Service	Sum of averages above		1,869,418,014	2,058,179,304
			Link to Appendix A, line 6	Link to Appendix A, line 6

Details																
13 Month Balance For Reconciliation																
Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jet Substation	Conesaugh-Seward	Luxer	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Humertstown	Johnstown	Buffalo Road
506,449	38,536	31,310	193,161	1,952,359	31,237	378,704	827,181	32,808	57,597	455,084	1,134,021	105,874	16,879	1,417,568	154,600	10,334
536,179	40,177	32,767	201,846	2,059,155	32,388	389,043	860,683	34,920	60,729	478,514	1,197,443	111,697	17,676	1,494,537	163,250	11,105
593,909	41,818	34,223	210,831	2,185,389	33,359	399,382	914,201	37,032	63,861	501,944	1,200,898	117,520	18,872	1,571,507	171,899	12,188
691,639	43,459	35,680	219,216	2,271,642	34,691	409,721	967,735	39,144	66,993	525,381	1,324,334	123,344	19,669	1,648,476	180,549	13,583
619,370	45,100	37,136	227,901	2,377,885	35,842	420,060	1,021,269	41,256	70,125	548,824	1,387,785	129,167	20,665	1,725,446	189,159	14,977
647,101	46,741	38,992	236,986	2,484,128	36,963	430,389	1,078,803	43,369	73,296	572,295	1,451,237	134,991	21,662	1,802,415	197,848	16,371
674,833	48,382	40,049	245,271	2,590,372	38,144	440,739	1,128,337	45,481	76,388	606,708	1,514,689	140,814	22,658	1,879,385	206,488	17,453
702,565	50,022	41,605	253,956	2,696,615	39,295	451,078	1,181,871	47,595	79,520	619,628	1,578,141	146,637	23,655	1,966,355	216,148	18,221
730,297	51,663	42,961	262,641	2,802,868	40,446	461,417	1,235,404	49,705	80,652	642,869	1,641,993	152,461	24,651	2,033,324	223,798	18,969
757,998	53,304	44,418	271,327	2,909,102	41,597	471,756	1,288,938	51,817	85,784	666,692	1,706,045	158,284	25,648	2,110,294	232,447	19,757
785,710	54,945	45,874	280,012	3,015,345	42,749	482,095	1,342,478	53,929	88,915	688,912	1,768,497	164,106	26,644	2,187,353	241,697	20,525
813,421	56,586	47,330	288,697	3,121,588	43,900	492,434	1,396,026	56,041	92,047	711,930	1,831,950	169,931	27,640	2,264,233	249,747	21,292
841,133	58,227	48,787	297,382	3,227,831	45,051	502,773	1,449,674	58,153	95,166	734,962	1,895,402	175,765	28,637	2,341,211	258,707	22,060
674,815	48,382	40,049	245,271	2,590,374	38,144	440,739	1,128,346	45,481	76,387	595,532	1,514,694	140,814	22,658	1,879,386	206,488	16,681

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mokey	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monacaoy SS	Mainsburg SS	Yeagerstown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Total		
130,875	1,211,587	205,448	20,503	57,903	4,059	204,359	342,313	17,013	80,879	12,554	6,462	42,840	26,946	181,571	53,262	3,194	803	-	-	-	-	-	-	132,411,556	
141,568	1,330,830	221,341	22,168	60,577	4,987	236,955	397,095	20,699	93,823	14,927	7,404	78,896	30,880	241,060	88,768	5,182	2,414	1,976	-	-	-	-	-	135,387,748	
152,188	1,450,055	237,234	23,727	63,254	5,886	269,810	451,886	24,397	108,984	17,322	8,348	114,918	35,013	308,135	124,871	7,187	4,031	9,387	-	-	-	-	-	138,700,517	
162,772	1,569,310	253,126	24,287	65,931	6,743	302,291	506,707	28,094	120,398	19,718	9,288	151,125	39,046	374,763	160,582	9,153	5,660	10,024	-	-	-	-	-	142,344,309	
173,383	1,688,639	269,019	25,847	69,608	7,620	334,976	572,531	31,796	133,852	22,113	10,230	187,463	43,043	441,621	196,766	11,140	7,299	14,490	-	-	-	-	-	144,526,403	
183,997	1,807,963	284,912	26,407	71,295	8,499	367,800	649,370	35,473	147,316	24,508	11,173	223,821	47,005	506,691	233,070	13,126	8,535	19,292	-	-	52,844	32,861	-	149,330,428	
194,615	1,927,344	300,805	29,966	73,962	9,382	400,767	726,210	39,160	160,789	26,904	12,116	260,175	44,220	575,721	270,089	15,112	10,573	24,140	-	-	157,005	98,275	-	152,536,071	
205,239	2,046,760	316,697	31,626	76,639	10,264	434,416	803,049	42,847	186,775	29,300	13,057	296,662	48,183	642,703	307,719	17,099	12,212	29,062	-	-	203,243	165,072	-	155,632,134	
215,873	2,166,199	332,595	33,086	80,209	11,147	473,299	879,891	46,504	197,813	31,695	13,999	327,915	52,124	709,712	380,986	19,085	14,064	33,968	-	-	273,196	192,640	-	158,719,856	
227,028	2,286,056	348,483	34,646	88,894	12,029	513,461	966,734	50,221	211,483	34,091	14,942	368,489	56,041	776,702	411,969	21,071	15,703	48,520	-	-	485,205	258,638	-	161,965,890	
240,095	2,405,323	364,376	36,205	91,578	12,911	553,645	1,033,578	53,908	225,059	36,486	15,884	412,798	59,959	843,628	442,750	23,037	17,342	299,398	-	-	599,275	324,756	-	165,220,189	
252,992	2,524,613	380,269	37,765	94,262	13,794	593,830	1,110,421	57,595	238,639	38,882	16,826	457,106	63,876	910,579	473,534	25,044	18,879	477,833	-	-	10,883	713,435	390,965	55,908	168,615,807
270,995	2,649,919	396,161	39,325	99,947	14,676	634,023	1,187,205	61,282	252,224	41,277	17,768	501,481	67,794	977,677	504,326	27,030	20,618	658,912	-	-	24,466	827,639	457,332	187,667	172,111,811
197,757	1,928,046	300,805	29,966	76,619	9,384	409,187	739,774	39,155	165,857	26,906	12,115	263,360	47,248	576,343	280,646	15,112	10,664	130,678	-	-	3,556	267,065	147,728	18,737	152,116,262

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp.

Calculation of Distribution Accumulated Deoreciation			Source		
December	Prior year FERC Form 1 p219.26.b	For 2015	-		
January	company records	For 2016	-		
February	company records	For 2016	-		
March	company records	For 2016	-		
April	company records	For 2016	-		
May	company records	For 2016	-		
June	company records	For 2016	-		
July	company records	For 2016	-		
August	company records	For 2016	-		
September	company records	For 2016	-		
October	company records	For 2016	-		
November	company records	For 2016	-		
December	p219.26.b	For 2016	-		
Distribution Accumulated Depreciation			-		
Calculation of Intangible Accumulated Deoreciation			Source		
December	Prior year FERC Form 1 p200.21.b	For 2015	7,830,329		
December	p200.21.b	For 2016	9,878,555		9,878,555
25	Accumulated Intangible Depreciation		8,854,442		9,878,555
			Link to Appendix A, line 25		Link to Appendix A, line 25
Calculation of General Accumulated Depreciation			Source		
December	Prior year FERC Form 1 p219.26b	For 2015	6,723,810		
December	p219.26.b	For 2016	8,244,119		8,244,119
24	Accumulated General Depreciation		7,483,964		8,244,119
			Link to Appendix A, line 24		Link to Appendix A, line 24
Calculation of Production Accumulated Deoreciation			Source		
December	Prior year FERC Form 1 p219.20.b-24.b	For 2015	-		
January	company records	For 2016	-		
February	company records	For 2016	-		
March	company records	For 2016	-		
April	company records	For 2016	-		
May	company records	For 2016	-		
June	company records	For 2016	-		
July	company records	For 2016	-		
August	company records	For 2016	-		
September	company records	For 2016	-		
October	company records	For 2016	-		
November	company records	For 2016	-		
December	p219.20.b thru 219.24.b	For 2016	-		
Production Accumulated Depreciation			-		
8	Total Accumulated Depreciation	Sum of averages above	168,454,669		190,234,455
			Link to Appendix A, line 8		Link to Appendix A, line 8

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Begin of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
40	Materials and Supplies					
	Transmission Materials & Supplies	p227.8				
37	Undistributed Stores Expense	p227.16				
	Allocated General Expenses					
51	Plus Property Under Capital Leases	0 p200.4.c				

Transmission / Non-transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Begin of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
34	Transmission Related Land Held for Future Use	Total Non-transmission Related Transmission Related				Enter Details Here

CWIP & Expensed Lease Worksheet

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Begin of year	CWIP in Form 1 Amount	Expensed Lease in Form 1 Amount	
6	Plant Allocation Factors					
	Electric Plant In Service	(Note B) Attachment 5	1,798,715,406			
15	Plant In Service					
	Transmission Plant In Service	(Note B) Attachment 5	1,487,394,580			
23	Accumulated Depreciation					
	Transmission Accumulated Depreciation	(Note B) Attachment 5	132,411,556			

Pre-Commercial Costs Capitalized

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			EBIT for Estimate and EBIT for Final	Amortization Amount (Over 4 Years)	Capitalized End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliation)
35	Unamortized Capitalized Pre-Commercial Costs		\$	\$	\$	\$

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
58	Allocated General & Common Expenses	(Note D) p352 & 353	0	0		Enter Details Here
	Less EPRI Dues					

Regulatory Expense Related to Transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Transmission Related	Non-transmission Related	Details
Directly Assigned ASG						
62	Regulatory Commission Exp Account 928	(Note G) p323.189.b				Link to Appendix A, line 62 Enter Details Here

Safety Related Advertising Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Safety Related	Non-safety Related	Details
Directly Assigned ASG						
66	General Advertising Exp Account 930.1	(Note F) p232.191.b				Link to Appendix A, line 66 Enter Details Here

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

MultiState Workpaper

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		State 1	State 2	State 3	State 4	State 5	Details
110	Income Tax Rates SIT-State Income Tax Rate or Composite (Note H)	MD 8.25% Composite 7.710%	WV 6.5%	PA 9.99%	VA 6.0%		

Education and Out Reach Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Education & Outreach	Other	Details
63	Directly Assigned ASG General Advertising Exp. Account 930.1 (Note J) p323 191 b				Enter Details Here

Excluded Plant Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Excluded Transmission Facilities	Description of the Facilities
126	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities (Note L) Step-Up Facilities Instructions: 1 Remove all investment below 69 KV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process 2 If unable to determine the investment below 69KV in a substation with investment of 69 KV and higher as well as below 69 KV, the following formula will be used: Example A. Total investment in substation 1,000,000 B. Identifiable investment in Transmission (provide workpapers) 500,000 C. Identifiable investment in Distribution (provide workpapers) 400,000 D. Amount to be excluded (A x (C / (B + C))) 444,444	Enter \$ Or Enter \$	General Description of the Facilities

Prepayments

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Beg of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Received	Details
36	Prepayments Prepaid Insurance	1,289,264	142,535	715,900	100%	715,900	
	Prepaid Pensions if not included in Prepayments		0	0	100%	0	
	Total Prepayments	1,289,264	142,535	715,900		715,900	

Detail of Account 566 Miscellaneous Transmission Expenses

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Details
70	Amortization Expense on Pre-Commercial Cost	\$ -	Summary of Pre-Commercial Expenses Total
71	Pre-Commercial Expense	\$ 564,795	
72	Miscellaneous Transmission Expense Total Account 566 Miscellaneous Transmission Expenses p.321 97 b	\$ 564,795	

(1) Labor & overhead amount includes costs allocated to preparation of the preliminary survey and investigation.
 (2) Miscellaneous amount includes rental of volunteer fire department facilities for open houses, Fed EX fees for various mailings from Legal, Procurement, Transmission & Finance, fees for various conference calls and PJM application fee.
 (3) Outside legal services includes the cost for research and preparation of the filing to determine incentive rate availability.
 (4) Other services other includes fees for website development, media relations services, campaign management, open houses and research services.
 (5) Outside services rates includes the advice of a rate consultant regarding rate design.
 (6) Advertising includes newspaper and other media announcements of public scoping meetings related to the proposed project.
 (7) Travel, lodging and meals are the direct expenses for Allegheny staff to attend the scoping meetings.

149 Net Revenue Requirement
 Facility Credits under Section 30.9 of the PJM OATT

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Depreciation Rates

			Survivor	Net Salvage	Accrual Rate (Annual)												
TRANSMISSION PLANT	Life	Curve	Percent	Percent		Black Oak	Wyle Ridge	50 Junction Terrestrial Line	Meadowbrook Transformer	North Shenandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer Transformers	Doubs Replacement Transformer #2	Doubs Replacement Transformer #3	Doubs Replacement Transformer #4	
350.2	70	- R4	0	1.43				2,455,647									
352	50	- R3	(10)	2.20		16,761		1,347,998									
	35	-		2.86													
353																	
	50	- R2	(5)	2.10		1,358,785	583,632	783,180	169,864	25,779	162,194	145,082	831,001	94,890	82,161	149,570	
	Note 1	- 80 R2 - 35-yr truncation		2.96													
	15	- S3	0	6.87													
354	65	- R4	(25)	1.92				7,297,656									
355	55	- R2.5	(20)	2.19				2,953,341									
356																	
	55	- R2.5	(40)	2.80				6,382,099									
	70	- R4	0	1.43													
357	55	- S3	(5)	1.91													
358	45	- R3	(5)	2.33													
	35	-		2.86													
Total Transmission Plant Depreciation						1,375,546	583,632	21,219,721	169,864	25,779	162,194	145,082	831,001	94,890	82,161	149,570	
Total Transmission Depreciation Expense (must tie to p338.7.f)						37,651,525											

Note 1: Depreciation rate is based on an 80 R2 survivor curve with a 35-year truncation.

Annual Depreciation Expense														
Cabot SS	Grandview Capacitor	Potter	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Double SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City	Altoona
				478						2,654				
152	281		14,882	2,506	1,255				124,069		3,450			
149,368	13,533	34,391	110,486	329,700	18,436	17,476	104,220	1,274,893		246,344	21,896	37,569		761,380
			96,495							8,427			36,100	
			348,117							384,969			200,524	
													43,254	
-														
149,520	13,814	34,391	569,979	332,684	19,691	17,476	104,220	1,274,893	124,069	642,394	25,345	37,569	279,676	761,380

Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor
						37,343	6,328		1,929		75,340			7,754	
69,881	11,958	923,643	103,796	11,727	140,020	1,287,868	184,385	18,717	30,104	10,607	276,562	920,290	44,268	152,770	28,724
						80,142			117						
						29,970									
69,881	11,958	923,643	103,796	11,727	140,020	1,435,323	190,713	18,717	32,150	10,607	351,902	920,290	44,268	160,524	28,724

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Total
	44,688											2,503,476
	14,802											1,654,851
												-
11,307	146,388	47,596	796,005	413,157	23,837	8,194	53,756	24,466	827,639	506,657	187,667	14,767,819
												-
												-
												-
	269,845						356,661					7,413,698
												3,885,409
	(10,633)						248,496					1,014,202
												6,412,069
												-
												-
												-
11,307	465,099	47,596	796,005	413,157	23,837	8,194	656,912	24,466	827,639	506,657	187,667	37,651,525

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

GENERAL PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
390	Structures & Improvements	50	R1	0	2.00	893,309
391	Office Furniture & Equipment	20	SQ	0	5.00	96,332
	Information Systems	10	SQ	0	10.00	372,853
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other	15	SQ	20	5.33	
	Autos	7	S3	20	11.43	
	Light Trucks	11.5	L4	20	6.96	1,805
	Medium Truck	11.5	L4	20	6.96	
	Trailers	18	L1	20	4.44	
	ATV	15	SQ	20	5.33	
393	Stores Equipment	20	SQ	0	5.00	
394	Tools, Shop & Garage Equipment	20	SQ	0	5.00	
396	Power Operated Equipment	18	L1	25	4.17	
397	Communication Equipment	15	SQ	0	6.67	216,711
398	Miscellaneous Equipment	15	SQ	0	6.67	
Total General Plant						1,520,309
Total General Plant Depreciation Expense (must tie to p336.10 b & c)						1,520,309
						62,303
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	2,014,881
Total Intangible Plant						2,014,881
Total Intangible Plant Amortization (must tie to p336.1 d & e)						2,014,881

These depreciation rates will not change absent the appropriate filing at FERC.

PBOP Expenses		
1	Total PBOP expenses	22,856,433
2	Amount relating to retired personnel	8,798,372
3	Amount allocated on FTEs	14,070,061
4	Number of FTEs for Allegheny	4,408
5	Cost per FTE	3,192
6	TALCo FTEs (labor not capitalized) current year	0,000
7	TALCo PBOP Expense for base year	-
8	TALCo PBOP Expense in Account 526 for current year	0
57	9. PBOP Adjustment for Appendix A, Line 57	-
Lines 1-5 cannot change absent approval or acceptance by FERC in a separate proceeding.		

Trans-Allegheny Interstate Line Company

Attachment 5a - Pre-Commercial Costs and CWIP

Step 1 Totals reported below are by project with the amounts to be expensed reported separately from those to be deferred and amortized (note, deferred costs related to 2006 include AFUDC).

For Forecasting purposes, Pre-Commercial expenses will be estimated. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Step 2 For each project, where CWIP is to be recovered in rate base, CWIP will be estimated and the totals reported below by project. For the Reconciliation, for each project where CWIP is to be recovered in rate base the CWIP will be itemized by project below. Additionally, the amount of AFUDC that would have been capitalized for projects where CWIP is included in rate base will be reported in the FERC Form No. 1.

For the Reconciliation, the total additions to plant in service for that year will be summarized by project to demonstrate no Pre-Commercial costs expensed were included in the additions to plant in service and AFUDC on projects where CWIP was recovered in rate base was included in the additions to plant in service. The Pre-commercial expenses are actual expenses incurred for the reconciliation year. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Column A	Column B	Column C	Column D	Column E	Column F	Column G
	Pre-Commercial Costs			CWIP		
Step 1 For Estimate:	Expensed (Estimated)	Deferred	Amount of Deferred Amortized in Year	Average of 13 Monthly Balances		
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-		
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-		
502 Junction - Territorial Line (CWIP)	-	-	-	-		
Total	-	-	-	-		
Step 3 For Reconciliation:	Pre-Commercial Costs			For Reconciliation Step 2		
	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year	CWIP	AFUDC in CWIP	AFUDC (if CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-	-	-
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	-	-	-
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-	-	-
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	-	-	-
502 Junction - Territorial Line (CWIP)	-	-	-	138,957	-	136,129,170
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	138,957	-	136,129,170
Total Additions to Plant in Service (sum of the above for each project)						136,129,170
Total Additions to Plant in Service reported on pages 204-207 of the Form No. 1						
Difference (must be zero)						

Notes: 1 Small projects may be combined into larger projects where rate treatment is consistent. Pre-Commercial costs benefiting multiple projects will be allocated to projects based on the estimated plant in service of each project.

Allocation of Pre-Commercial Costs	Plant in Service (Estimated 2/12/2008)	Allocation
Prexy - 502 Junction 138 kV (CWIP)	94,140,000	0.10734
Prexy - 502 Junction 500 kV (CWIP)	121,260,000	0.13827
502 Junction - Territorial Line (CWIP)	661,600,000	0.75439
Total	877,000,000	1.00000

2 Column D is the total CWIP balance including any AFUDC, Column E is the AFUDC if any in Column D, and Column F is the AFUDC that would have been in Column E if CWIP were not recovered in rate base.

5 June Year 2 Results of Step 3 go into effect

6 April Year 3 TO estimates all transmission Cap Adds and CWP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected to be in service in Year 3.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
							502 Junction - Territorial Line (monthly additions)		
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWP		
Dec (Prior Year CWP) 2016.5.43									
Jan 2017									
Feb									
Mar									
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
Total									

New Transmission Plant Additions for Year 3 (13 month average balance)

Month End Balances					
	(in service)	(in service)	502 Junction - Territorial Line (monthly additions)	CWP	CWP
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)

7 April Year 3 Reconciliation - TO calculates Reconciliation by populating the 13 monthly plant balances and beginning and end of year balances for the other rate base items and the 13 monthly averages for CWP in Reconciliation (adjusted to include any Reconciliation amount from prior year).

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
							502 Junction - Territorial Line (monthly additions)		
							CWP		
Dec (Prior Year CWP) 2016.5.43									
Jan 2016	Actual	-	-	-	-	-	139,318	-	-
	Actual	-	-	-	-	-	(685)	-	-
Feb	Actual	-	-	-	-	-	(1,053)	-	-
Mar	Actual	-	-	-	-	-	325	-	-
Apr	Actual	-	-	-	-	-	837	-	-
May	Actual	-	-	-	-	-	(1,767)	-	-
Jun	Actual	-	-	-	-	-	2,405	-	-
Jul	Actual	-	-	-	-	-	(952)	-	-
Aug	Actual	-	-	-	-	-	57	-	-
Sep	Actual	-	-	-	-	-	11	-	-
Oct	Actual	-	-	-	-	-	483	-	-
Nov	Actual	-	-	-	-	-	221	-	-
Dec	Actual	-	-	-	-	-	(444)	-	-
Total							138,957		

Month End Balances				
	Other Projects PIS (Monthly additions)		502 Junction - Territorial Line (monthly additions)	CWP
	-	-	-	139,318
	-	-	-	138,633
	-	-	-	137,580
	-	-	-	137,905
	-	-	-	138,743
	-	-	-	138,976
	-	-	-	139,581
	-	-	-	138,828
	-	-	-	138,686
	-	-	-	138,697
	-	-	-	139,180
	-	-	-	139,401
	-	-	-	138,957
	-	-	-	1,802,285
	-	-	-	138,637

Result of Formula for Reconciliation

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whitely	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ 249,362,867.79	289,503.26	948,616.36	753,051.20	606,815.98	682,921.85	5,034,965	831,337	969,904	1,021,051	235,966	6,048,087	3,024,349	148,301,898	3,392,460	2,199,954	235,694	115,451	690,626
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Gullford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
8,461,740	77,603	1,797,039	90,379	168,070	249,072	5,058,153	464,038	3,891,636	1,322,571	79,581	6,131,150	689,577	940,924	7,981,179	1,343,053	125,246	72,103	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Rtn Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nywanner	Shawlee	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
162,372	3,020,716	5,374,234	211,317	3,046,900	194,454	119,889	1,086,641	2,610,525	4,701,971	256,614	122,270	323,545	4,621,700	224,938	4,207,220	3,366,022	1,425,775	

8 April Year 3

Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Step 5 with interest to the result of Step 7 (this difference is also added to Step 7 in the subsequent year)

The Reconciliation in Step 8 249,362,868	The forecast in Prior Year 252,936,328		(3,573,460)	<Note: for the first rate year, divide this reconciliation amount by 12 and multiply by the number of months and fractional months the rate was in effect.			
Interest on Amount of Refunds or Surcharges Interest 35.1% for March Current Yr	0.2900%	1/12 of Step 9	Interest 35.1% for March Current Yr	Months	Interest	Surcharge (Refund) Owed	
Month	Yr						
Jun	Year 1		(297,788)	0.2900%	11.5	(9,931)	(307,720)
Jul	Year 1		(297,788)	0.2900%	10.5	(9,068)	(306,856)
Aug	Year 1		(297,788)	0.2900%	9.5	(8,204)	(305,992)
Sep	Year 1		(297,788)	0.2900%	8.5	(7,340)	(305,129)
Oct	Year 1		(297,788)	0.2900%	7.5	(6,477)	(304,265)
Nov	Year 1		(297,788)	0.2900%	6.5	(5,613)	(303,402)
Dec	Year 1		(297,788)	0.2900%	5.5	(4,750)	(302,538)
Jan	Year 2		(297,788)	0.2900%	4.5	(3,886)	(301,674)
Feb	Year 2		(297,788)	0.2900%	3.5	(3,023)	(300,811)
Mar	Year 2		(297,788)	0.2900%	2.5	(2,159)	(299,947)
Apr	Year 2		(297,788)	0.2900%	1.5	(1,295)	(299,084)
May	Year 2		(297,788)	0.2900%	0.5	(432)	(298,220)
Total			(3,573,460)				(3,635,638)
		Balance		Interest	Amort	Balance	
Jun	Year 2	(3,635,638)	0.2900%	(308,711)	(3,337,470)		
Jul	Year 2	(3,337,470)	0.2900%	(308,711)	(3,038,438)		
Aug	Year 2	(3,038,438)	0.2900%	(308,711)	(2,738,538)		
Sep	Year 2	(2,738,538)	0.2900%	(308,711)	(2,437,769)		
Oct	Year 2	(2,437,769)	0.2900%	(308,711)	(2,136,127)		
Nov	Year 2	(2,136,127)	0.2900%	(308,711)	(1,833,611)		
Dec	Year 2	(1,833,611)	0.2900%	(308,711)	(1,530,217)		
Jan	Year 3	(1,530,217)	0.2900%	(308,711)	(1,225,944)		
Feb	Year 3	(1,225,944)	0.2900%	(308,711)	(920,788)		
Mar	Year 3	(920,788)	0.2900%	(308,711)	(614,747)		
Apr	Year 3	(614,747)	0.2900%	(308,711)	(307,818)		
May	Year 3	(307,818)	0.2900%	(308,711)	(0)		
Total with interest					(3,704,534)		
The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest					(3,704,534)	Input to Appendix A, Line 143	
Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)					\$		
Revenue Requirement for Year 3					(3,704,534)		

Reconciliation Amount by Project

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whitely	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ (3,704,534)	(7,051)	(25,606)	(21,732)	(15,198)	(17,457)	(146,746)	(23,080)	(26,605)	(27,448)	(128,217)	(184,424)	(86,198)	(3,882,866)	(94,192)	(77,513)	(4,618)	(3,084)	(18,210)
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Gullford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
(213,321)	(24,696)	(44,984)	(2,420)	(4,423)	(6,882)	(278,757)	(12,332)	(86,971)	(31,859)	(1,998)	(162,694)	(18,323)	67,727	16,332	(33,043)	(3,333)	5,116	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Rtn Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nywanner	Shawlee	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
32,369	(1,165,733)	461,731	(32,680)	323,733	11,613	2,757	162,196	89,829	469,463	19,934	(116,003)	9,220	(757,380)	(102,215)	924,191	664,708	924,839	

9 May Year 3

Post results of Step 8 on PJM web site
\$ (3,704,534)

10 June Year 3

Results of Step 8 go into effect
\$ (3,704,534)

Trans-Allegheny Interstate Line Company
Attachment 7 - Transmission Enhancement Charge Worksheet

Revenue Requirement By Project

Fixed Charge Rate (FCR) If not a CIAC			
Formula Line			
A	137	FCR without Depreciation and Pre-Commercial Costs	12.3682%
B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial	13.2289%
C		Line B less Line A	0.8607%
FCR if a CIAC			
D	138	FCR without Depreciation, Return, nor Income Taxes	0.9284%

The FCR resulting from Formula in a given year is used for that year only.
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years

- 1
- 2
- 3
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- 11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
- 12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"
- 13 Input the allowed ROE
- 14 From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
- 15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7
- 16 Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.
- 17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.
- 18 Annual Depreciation Exp from Attachment 5
- 19 See Calculations for each item below
- 20 See Calculations for each item below

		PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4				PJM Upgrade ID: b0216				PJM Upgrade ID: b0216				
Details		500 Junction - Territorial Line (CWIP - Plant In Service)				Wylie Robco Transformer (Plant In Service)				Black Oak (SVC) Dynamic Reactive Device (Plant In Service)				
Schedule 12	(Yes or No)	Yes				Yes				Yes				
CIAC	(Yes or No)	No				No				No				
Allowed ROE		12.70%				11.70%				12.70%				
FCR without Incentive ROE		12.3682%				12.3682%				12.3682%				
FCR for This Project		13.2289%				12.3682%				13.2289%				
Investment		940,642,225				19,733,817				35,320,768				
Annual Depreciation Exp from Attachment 5		21,219,721				583,632				1,375,546				
			Pre-Commercial	Reconciliation			Reconciliation		Revenue		Reconciliation		Revenue	
Invest Yr	2011	Return	Depreciation	Exp	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
W/o Incentive ROE	2011	118,814,105.15	21,219,720.93	0.00	0.00	140,033,826.08	2,440,717.01	583,631.64	0.00	3,024,348.65	4,368,541.47	1,375,546.17	0.00	5,744,087.64
W/ Incentive ROE	2011	127,082,177.12	21,219,720.93	0.00	0.00	148,301,898.05	2,440,717.01	583,631.64	0.00	3,024,348.65	4,672,340.86	1,375,546.17	0.00	6,048,087.03

For Plant In Service
 *Pre-Commercial Exp is equal to the amount of pre-commercial expense on Attachment 5a for each project expensed in year and amortized in year.
 Revenue is equal to the "Return" ("Investment" times FCR) plus "Depreciation" plus "Pre-Commercial Exp" plus prior year "Reconciliation amount"
 *Reconciliation Amount" is created in the reconciliation in Attachment 6 and included in the forecasted revenue requirement.

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10 "Yes" if a project under PJM OATT Schedule 12,
 11 otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in
 the amount of the investment on line 29, Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above if "No" on line 12 and From line 7
 above if "Yes" on line 12
 15 If line 13 equals 12.7%, then line 4, if line 13 equals
 11.7% then line 3, and if line 12 is "Yes" then line 7
 16 Forecast - End of prior year net plant plus current year
 forecast of CWIP or Cap Adds.
 reconciliation - Average of 13 month prior year net plant
 17 balances plus prior year 13-mo CWIP balances.
 Annual Depreciation Exp from Attachment 5

18
 19 See Calculations for each item below
 20 See Calculations for each item below

PJM Upgrade ID: b0323				PJM Upgrade ID: b0230				PJM Upgrade ID: b0229				PJM Upgrade ID: b0559			
North Shawandah Transformer (Plant In Service)				Meadowbrook Transformer (Plant In Service)				Burlington Transformer (Plant In Service)				Meadowbrook Capacitor (Plant In Service)			
Yes				Yes				Yes				Yes			
No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	12.3682%				12.3682%				12.3682%				12.3682%		
	12.3682%				12.3682%				12.3682%				12.3682%		
	1,699,412				6,882,061				6,530,542				5,548,542		
	25,779				169,864				162,194				145,082		
Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
210,186.61	25,779.02	0.00	235,965.63	851,186.68	169,863.84	0.00	1,021,050.52	807,710.17	162,194.28	0.00	969,904.45	686,254.55	145,082.04	0.00	831,336.59
210,186.61	25,779.02	0.00	235,965.63	851,186.68	169,863.84	0.00	1,021,050.52	807,710.17	162,194.28	0.00	969,904.45	686,254.55	145,082.04	0.00	831,336.59

For Plant In Service
 Pre-Commercial Exp is equal to the amount of pre-comm
 Revenue is equal to the "Return" (Investment) times FCR
 Reconciliation Amount is created in the reconciliation in A

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10 "Yes" if a project under PJM OATT Schedule 12,
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 the amount of the investment on line 29. Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above if "No" on line 12 and From line 7
 above if "Yes" on line 12
 15 If line 13 equals 12.7%, then line 4, if line 13 equals
 11.7% then line 3, and if line 12 is "Yes" then line 7
 16 Forecast – End of prior year net plant plus current year
 forecast of CWIP or Cap Adds.
 reconciliation – Average of 13 month prior year net plant
 balances plus prior year 13-mo CWIP balances.
 17 Annual Depreciation Exp from Attachment 5
 18
 19 See Calculations for each item below
 20 See Calculations for each item below

PJM Upgrade ID: b0495				PJM Upgrade ID: b0343				PJM Upgrade ID: b0344				PJM Upgrade ID: b0345			
Kammer Transformers (Plant in Service)				Doubs Replace Transformer #2				Doubs Replace Transformer #3				Doubs Replace Transformer #4			
Yes				Yes				Yes				Yes			
No				No				No				No			
11.70%				11.70%				11.70%				11.70%			
12.3682%				12.3682%				12.3682%				12.3682%			
12.3682%				12.3682%				12.3682%				12.3682%			
33,990,116				4,592,678				4,241,967				4,879,298			
831,001				94,890				82,161				149,570			
Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
4,203,963.82	831,001.01	0.00	5,034,964.83	568,031.37	94,890.48	0.00	662,921.85	524,654.76	82,161.22	0.00	606,815.98	603,481.16	149,570.04	0.00	753,051.20
4,203,963.82	831,001.01	0.00	5,034,964.83	568,031.37	94,890.48	0.00	662,921.85	524,654.76	82,161.22	0.00	606,815.98	603,481.16	149,570.04	0.00	753,051.20

For Plant in Service
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 11 otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in
 the amount of the investment on line 29, Otherwise "No"
 13 No
 11.70%
 14 Input the allowed ROE
 From line 3 above if "No" on line 12 and From line 7
 above if "Yes" on line 12
 12.3682%
 15 If line 13 equals 12.7%, then line 4, if line 13 equals
 11.7% then line 3, and if line 12 is "Yes" then line 7
 12.3682%
 16 Forecast - End of prior year net plant plus current year
 forecast of CWIP or Cap Adds.
 reconciliation - Average of 13 month prior year net plant
 balances plus prior year 13-mo CWIP balances.
 17 6,440,897
 149,520

PJM Upgrade ID: b0704				PJM Upgrade ID: b1941				PJM Upgrade ID: b0563				PJM Upgrade ID: b0564			
Cabot SS - Install Autotransformer				Armstrong				Farmers Valley Capacitor				Harvey Run Capacitor			
Yes				Yes				Yes				Yes			
No				No				No				No			
11.70%				11.70%				11.70%				11.70%			
12.3682%				12.3682%				12.3682%				12.3682%			
12.3682%				12.3682%				12.3682%				12.3682%			
6,440,897				15,097,354				1,746,439				792,153			
149,520				332,684				19,691				17,476			
Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
799,096.36	149,520.00	0.00	948,616.36	1,867,270.42	332,683.70	0.00	2,199,954.12	216,002.95	19,690.68	0.00	235,693.63	97,975.02	17,476.20	0.00	115,451.22
799,096.36	149,520.00	0.00	948,616.36	1,867,270.42	332,683.70	0.00	2,199,954.12	216,002.95	19,690.68	0.00	235,693.63	97,975.02	17,476.20	0.00	115,451.22

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 17 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b1803				PJM Upgrade ID: b1243				PJM Upgrade ID: b0674, b1023, b1023.3				PJM Upgrade ID: b1804					
Doubt SS				Prater SS				Osage Whiskey				Meadowbrook SS					
Yes				Yes				Yes				Yes					
No				No				No				No					
11.70%				11.70%				11.70%				11.70%					
12.3682%				12.3682%				12.3682%				12.3682%					
12.3682%				12.3682%				12.3682%				12.3682%					
4,741,242				1,900,940				22,820,474				58,107,487					
104,220				34,391				569,979				1,274,893					
Reconciliation				Reconciliation				Reconciliation				Reconciliation					
Return	Depreciation	Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	amount	Revenue	Return	Depreciation	Amount	Revenue
586,406.02	104,220.36	0.00	690,626.38	235,112	34,391	0	0	269,503.26	2,822,481	569,979	0	0	3,392,460.20	7,196,847.42	1,274,892.74	0.00	8,461,740.16
586,406.02	104,220.36	0.00	690,626.38	235,112	34,391	0	0	269,503.26	2,822,481	569,979	0	0	3,392,460.20	7,196,847.42	1,274,892.74	0.00	8,461,740.16

18 **For Plant in Service**
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 forecast of CWIP or Cap Adds.
 reconciliation - Average of 13 month prior year net plant
 balances plus prior year 13-mo CWIP balances.
 17 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b1990				PJM Upgrade ID: b0674 & b1023.1				PJM Upgrade ID: b1153				PJM Upgrade ID: b1965			
Grandview Capacitor				502 Jct Substation				Conemaugh-Seward				Luxor			
Yes				Yes				Yes				Yes			
No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	12.3682%				12.3682%				12.3682%				12.3682%		
	12.3682%				12.3682%				12.3682%				12.3682%		
	619,047				9,690,194				26,270,947				1,153,965		
	13,814				124,069				642,394				25,345		
Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
76,564.88	13,813.68	0.00	90,378.56	1,198,502.04	124,069.08	0.00	1,322,571.12	3,249,242.01	642,393.55	0.00	3,891,635.56	142,724.69	25,345.20	0.00	168,069.89
76,564.88	13,813.68	0.00	90,378.56	1,198,502.04	124,069.08	0.00	1,322,571.12	3,249,242.01	642,393.55	0.00	3,891,635.56	142,724.69	25,345.20	0.00	168,069.89

18 **For Plant in Service**
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 17 Annual Depreciation Exp from Attachment 5

	PJM Upgrade ID: b1839				PJM Upgrade ID: b1941				PJM Upgrade ID: b1801				PJM Upgrade ID: b1967			
	Grandpoint & Guilford				Handsoma Lake-Homer City				Altoona				Blairsville			
11	Yes				Yes				Yes				Yes			
12	No				No				No				No			
13	11.70%				11.70%				11.70%				11.70%			
14	12.3682%				12.3682%				12.3682%				12.3682%			
15	12.3682%				12.3682%				12.3682%				12.3682%			
16	1,710,055				12,266,638				34,740,502				3,186,858			
17	37,549				279,878				761,380				69,881			
18	Reconciliation				Reconciliation				Reconciliation				Reconciliation			
19	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
20	211,503.00	37,568.75	0.00	249,071.75	1,517,161.74	279,877.76	0.00	1,797,039.50	4,296,773.05	761,380.14	0.00	5,058,153.19	394,156.76	69,881.04	0.00	464,037.80
	211,503.00	37,568.75	0.00	249,071.75	1,517,161.74	279,877.76	0.00	1,797,039.50	4,296,773.05	761,380.14	0.00	5,058,153.19	394,156.76	69,881.04	0.00	464,037.80

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 Annual Depreciation Exp from Attachment 5

18
 19 See Calculations for each item below
 20 See Calculations for each item below

PJM Upgrade ID: b1672				PJM Upgrade ID: b1800				PJM Upgrade ID: b1945				PJM Upgrade ID: b1770				PJM Upgrade ID: b1964			
Carbon Center				Hunterstown				Johnstown				Buffalo Road				Moshannon			
Yes				Yes				Yes				Yes				Yes			
No				No				No				No				No			
11.70%				11.70%				11.70%				11.70%				11.70%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
546,750				42,104,010				4,736,186				532,622				6,475,520			
11,958				923,643				103,796				11,727				140,020			
Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
67,623.13	11,957.52	0.00	79,580.65	5,207,506.11	923,643.43	0.00	6,131,149.54	585,780.74	103,796.38	0.00	689,577.12	65,875.75	11,726.85	0.00	77,602.60	800,904.91	140,019.51	0.00	940,924.42
67,623.13	11,957.52	0.00	79,580.65	5,207,506.11	923,643.43	0.00	6,131,149.54	585,780.74	103,796.38	0.00	689,577.12	65,875.75	11,726.85	0.00	77,602.60	800,904.91	140,019.51	0.00	940,924.42

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	PJM Upgrade ID: b2433.1, b2433.2, b2433.3				PJM Upgrade ID: b1609, b1769				PJM Upgrade ID: b2343				PJM Upgrade ID: b2342				PJM Upgrade ID: b1610				PJM Upgrade ID: b1840																																																																															
	Waldo Run				Four Mile Junction				West Union SS				Shuman Hill/Mobley				Yeasertown				Rider Sub																																																																															
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17	Annual Depreciation Exp from Attachment 5																																																																																																			
18	<table border="1"> <thead> <tr> <th colspan="2">Return</th> <th colspan="2">Depreciation</th> <th colspan="2">Reconciliation Amount</th> <th colspan="2">Revenue</th> <th colspan="2">Return</th> <th colspan="2">Depreciation</th> <th colspan="2">Reconciliation Amount</th> <th colspan="2">Revenue</th> <th colspan="2">Return</th> <th colspan="2">Depreciation</th> <th colspan="2">Reconciliation Amount</th> <th colspan="2">Revenue</th> <th colspan="2">Return</th> <th colspan="2">Depreciation</th> <th colspan="2">Reconciliation Amount</th> <th colspan="2">Revenue</th> </tr> </thead> <tbody> <tr> <td>6,545,855.45</td> <td>1,435,323.38</td> <td>0.00</td> <td>7,981,178.83</td> <td>1,152,339.13</td> <td>190,713.48</td> <td>0.00</td> <td>1,343,052.61</td> <td>106,529.29</td> <td>18,716.88</td> <td>0.00</td> <td>125,246.17</td> <td>179,166.90</td> <td>32,149.77</td> <td>0.00</td> <td>211,316.67</td> <td>138,535.84</td> <td>23,836.55</td> <td>0.00</td> <td>162,372.39</td> <td>3,555,616.41</td> <td>465,099.45</td> <td>0.00</td> <td>3,020,715.86</td> <td>6,545,855.45</td> <td>1,435,323.38</td> <td>0.00</td> <td>7,981,178.83</td> <td>1,152,339.13</td> <td>190,713.48</td> <td>0.00</td> <td>1,343,052.61</td> <td>106,529.29</td> <td>18,716.88</td> <td>0.00</td> <td>125,246.17</td> <td>179,166.90</td> <td>32,149.77</td> <td>0.00</td> <td>211,316.67</td> <td>138,535.84</td> <td>23,836.55</td> <td>0.00</td> <td>162,372.39</td> <td>3,555,616.41</td> <td>465,099.45</td> <td>0.00</td> <td>3,020,715.86</td> </tr> </tbody> </table>																				Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		6,545,855.45	1,435,323.38	0.00	7,981,178.83	1,152,339.13	190,713.48	0.00	1,343,052.61	106,529.29	18,716.88	0.00	125,246.17	179,166.90	32,149.77	0.00	211,316.67	138,535.84	23,836.55	0.00	162,372.39	3,555,616.41	465,099.45	0.00	3,020,715.86	6,545,855.45	1,435,323.38	0.00	7,981,178.83	1,152,339.13	190,713.48	0.00	1,343,052.61	106,529.29	18,716.88	0.00	125,246.17	179,166.90	32,149.77	0.00	211,316.67	138,535.84	23,836.55	0.00	162,372.39	3,555,616.41	465,099.45	0.00	3,020,715.86
Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue																																																																						
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 17 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b2235				PJM Upgrade ID: b2260				PJM Upgrade ID: b1802				PJM Upgrade ID: b0555				PJM Upgrade ID: b0556				PJM Upgrade ID: b1943			
Monocacy SS				Bartonville SS Capacitor				Mainsburg SS				Johnstown Sub Capacitor				Grover SS				Claysburg Ring Bus			
Yes				Yes				Yes				Yes				Yes				Yes			
No				No				No				No				No				No			
11.70%				11.70%				11.70%				11.70%				11.70%				11.70%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
37,016,137				497,210				21,294,478				1,339,971				872,918				7,487,889			
796,005				10,607				413,157				28,724				11,307				160,524			
Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
4,578,228.12	796,005.42	0.00	5,374,233.54	61,495.95	10,607.01	0.00	72,102.96	2,633,742.60	413,157.47	0.00	3,046,900.07	165,730.20	28,723.71	0.00	194,453.91	108,582.65	11,306.52	0.00	119,889.17	626,116.76	160,524.15	0.00	1,086,640.91
4,578,228.12	796,005.42	0.00	5,374,233.54	61,495.95	10,607.01	0.00	72,102.96	2,633,742.60	413,157.47	0.00	3,046,900.07	165,730.20	28,723.71	0.00	194,453.91	108,582.65	11,306.52	0.00	119,889.17	626,116.76	160,524.15	0.00	1,086,640.91

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-comm
 Revenue is equal to the "Return" ("Investment" times FCR
 "Reconciliation Amount" is created in the reconciliation in #

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10
11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"
13 Input the allowed ROE
14 From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7
16 Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.
reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.
17 Annual Depreciation Exp from Attachment 5

18
19 See Calculations for each item below
20 See Calculations for each item below

PJM Upgrade ID: b2364 & b2364.1				PJM Upgrade ID: b2362				PJM Upgrade ID: b2156				PJM Upgrade ID: b2546				PJM Upgrade ID: b1998			
Squab Hollow SS				Squab Hollow SVC				Shingletown Capacitor				Nyswaner				Shawville			
Yes				Yes				Yes				Yes				Yes			
No				No				No				No				No			
11.70%				11.70%				11.70%				11.70%				11.70%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
12.3682%				12.3682%				12.3682%				12.3682%				12.3682%			
18,261,544				30,575,853				1,716,871				922,334				2,231,121			
351,902				920,290				44,268				8,194				47,596			
		Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation	
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
2,258,623.45	351,901.80	0.00	2,610,525.25	3,781,681.14	920,290.23	0.00	4,701,971.37	212,346.02	44,268.44	0.00	256,614.46	114,076.02	8,194.39	0.00	122,270.41	275,949.38	47,595.97	0.00	323,545.35
2,258,623.45	351,901.80	0.00	2,610,525.25	3,781,681.14	920,290.23	0.00	4,701,971.37	212,346.02	44,268.44	0.00	256,614.46	114,076.02	8,194.39	0.00	122,270.41	275,949.38	47,595.97	0.00	323,545.35

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-comm
 Revenue is equal to the "Return" ("Investment" times FCR
 "Reconciliation Amount" is created in the reconciliation in /

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10 "Yes" if a project under PJM OATT Schedule 12,
 11 otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in
 the amount of the investment on line 29. Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above if "No" on line 12 and From line 7
 above if "Yes" on line 12
 15 If line 13 equals 12.7%, then line 4, if line 13 equals
 11.7% then line 3, and if line 12 is "Yes" then line 7
 16 Forecast - End of prior year net plant plus current year
 forecast of CWIP or Cap Adda.
 reconciliation - Average of 13 month prior year net plant
 17 balances plus prior year 13-mo CWIP balances.
 18 Annual Depreciation Exp from Attachment 5
 19 See Calculations for each item below
 20 See Calculations for each item below

PJM Upgrade ID: b2475	PJM Upgrade ID: b2547.1	PJM Upgrade ID: b2441	PJM Upgrade ID: b1991	PJM Upgrade ID: b2545		
Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill		
Yes	Yes	Yes	Yes	Yes		
No	No	No	No	No		
11.70%	11.70%	11.70%	11.70%	11.70%		
12.3682%	12.3682%	12.3682%	12.3682%	12.3682%		
12.3682%	12.3682%	12.3682%	12.3682%	12.3682%		
32,040,148	1,620,867	27,324,170	23,118,690	10,010,421		
658,912	24,466	827,639	506,657	187,667		
Reconciliati	Reconciliati	Reconciliati	Reconciliati	Reconciliati		
Return Depreciation on Amount Revenue	Return Depreciation on Amount Revenue	Return Depreciation on Amount Revenue	Return Depreciation on Amount Revenue	Return Depreciation on Amount Revenue	Total	Incentive Charged Revenue Credit
3,962,787.97 658,912.40 0.00 4,621,700.37	200,471.98 24,465.97 0.00 224,937.95	3,379,580.92 827,639.22 0.00 4,207,220.14	2,859,364.69 506,657.45 0.00 3,366,022.14	1,238,108.43 187,667.00 0.00 1,425,775.43	240,790,196.42	240,790,196.42
3,962,787.97 658,912.40 0.00 4,621,700.37	200,471.98 24,465.97 0.00 224,937.95	3,379,580.92 827,639.22 0.00 4,207,220.14	2,859,364.69 506,657.45 0.00 3,366,022.14	1,238,108.43 187,667.00 0.00 1,425,775.43	249,362,867.74	249,362,867.74

\$8,572,071.36
 Ax A Line 148

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-comm
 Revenue is equal to the "Return" ("Investment" times FC
 "Reconciliation Amount" is created in the reconciliation in A

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment 8, page 1, Table 1 and 2
Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up

TABLE 1: Summary Cost of Long Term Debt

CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2016

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Issue Date	Maturity Date	ORIGINAL ISSUANCE	Net Proceeds At Issuance	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* 2	Weighted Outstanding Rates	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (j) * (i)
Long Term Debt (12/31/2016										
First Mortgages Bonds:										
(1)	12/11/2014	6/2/2025	\$ 550,000,000	\$ 545,247,429	\$ 546,173,009	12	\$546,173,008.92	88.00%	3.95%	3.48%
(2)	10/16/2015	5/30/2025	\$ 75,000,000	\$ 74,437,647	\$ 74,506,331	12	\$ 74,506,331.01	12.004%	3.85%	0.46%
Total			\$ 625,000,000		\$ 620,679,340		\$ 620,679,340	100.000%		3.94%

t = time
The current portion of long term debt is included in the Net Amount Outstanding at t + N in these calculations.
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.
* 2 = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).
Interest (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2552%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.23%).
** This Total Weighted Average Debt Cost will be shown on Line 101 of formula rate Appendix A.

TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:

YEAR ENDED 12/31/2016

	(aa)	(bb)	(cc)	(dd) (Discount) Premium at Issuance	(ee) Issuance Expense	(ff) Loss/Gain on Rescoured Debt	(gg) Less: Related ADIT (Attachment 1)	(hh) Net Proceeds	(ii) Net Proceeds Ratio	(jj) Coupon Rate	(kk) Annual Interest	(ll) Effective Cost Rate (Yield to Maturity at Issuance, t = 0)
(1)	3.85%, Senior Unsecured No	12/11/2014	6/2/2025	\$ 550,000,000	\$ (418,000)		xxx	\$ 545,247,429	99.1359	0.03850	\$ 21,175,000	3.99%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	5/30/2025	75,000,000	69,353			\$ 74,437,647	99.2502	0.0376	\$ 2,820,000	3.85%
TOTALS			\$ 625,000,000	(418,000)	\$ 4,896,924	-	xxx	\$ 619,685,076			\$ 23,995,000	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation.
Effective Cost Rate of Individual Debenture (YTM at issuance): the IFO Cashflow C_t equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C_{1/2}, C_{3/4}, etc.).

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TRAILCo anticipates its financing will be a 7 year loan, where by TRAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TRAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TRAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	7,780,954
Origination Fees	15,125
Addition Origination Fees	
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing
Revolving Credit Commitment Fee	0.005	0.0050
		0.0037

After borrowing is at the midpoint (\$275,000)

2/9/2011	Q1	(95,000,000)	705,000,000	789,154,923	797,767.78		(95,797,768)	-	(797,768)
2/9/2011	Q1	115,000,000	820,000,000	693,357,156			115,000,000	-	-
2/14/2011	Q1	(140,000,000)	680,000,000	808,357,156	1,201,215.56		(141,201,216)	528,453	(672,763)
2/14/2011	Q1	140,000,000	820,000,000	667,684,393			140,000,000	-	-
2/16/2011	Q1		820,000,000	807,684,393		3,098.63	(3,099)	211,164	211,164
4/1/2011	Q2	-	820,000,000	807,892,458			97,777.78	(97,778)	4,659,577
4/14/2011	Q2	10,000,000	830,000,000	812,454,257			10,000,000	1,381,663	1,381,663
4/26/2011	Q2	(115,000,000)	715,000,000	823,835,920	949,900.00		(115,949,900)	1,293,164	343,264
4/26/2011	Q2	115,000,000	830,000,000	709,179,184			115,000,000	-	-
5/9/2011	Q2	(115,000,000)	715,000,000	824,179,184	941,620.00		(115,941,620)	1,401,603	459,983
5/9/2011	Q2	140,000,000	575,000,000	709,639,166	1,081,920.00		(141,081,920)	-	(1,081,920)
5/9/2011	Q2	(10,000,000)	565,000,000	568,557,246	22,375.00		(10,022,375)	-	(22,375)
5/9/2011	Q2	235,000,000	800,000,000	558,534,871			235,000,000	-	-
5/16/2011	Q2	(235,000,000)	565,000,000	793,534,871	145,034.17		(235,145,034)	726,363	581,329
5/16/2011	Q2	235,000,000	800,000,000	559,116,200			235,000,000	-	-
5/23/2011	Q2	(235,000,000)	565,000,000	794,116,200	144,805.69		(235,144,806)	726,895	582,089
5/23/2011	Q2	50,000,000	615,000,000	559,698,289			50,000,000	-	-
5/26/2011	Q2	(115,000,000)	500,000,000	609,698,289	307,912.50	233,657	(115,541,569)	239,118	(68,795)
6/23/2011	Q2	(50,000,000)	450,000,000	494,395,838	88,994.45		(50,088,994)	1,812,670	1,723,675
6/23/2011	Q2	20,000,000	470,000,000	446,119,513			20,000,000	-	-
7/6/2011	Q3		470,000,000	466,119,513			(171,736)	792,685	792,685
7/15/2011	Q3		470,000,000	466,740,462	9,000,000		(9,000,000)	549,369	(8,450,631)
7/25/2011	Q3	(20,000,000)	450,000,000	458,289,831	34,417.78		(20,034,418)	599,398	564,980
10/18/2011	Q4		450,000,000	438,854,811			(290,417)	4,902,813	4,902,813
1/17/2012	Q1		450,000,000	443,467,207	9,000,000		(9,000,000)	5,306,145	(3,693,855)
3/2/2012	Q1		450,000,000	439,773,352		3,070.00	(3,070)	2,594,240	2,594,240
7/15/2012	Q3		450,000,000	442,364,522			(9,000,000)	7,874,647	(1,125,153)
1/15/2013	Q1		450,000,000	441,239,369	9,000,000		(9,000,000)	10,740,283	1,740,283
7/15/2013	Q3		450,000,000	442,979,652	9,000,000		(9,000,000)	10,604,752	1,604,752
1/15/2014	Q1		450,000,000	444,584,404	9,000,000		(9,000,000)	10,821,705	1,821,705
7/15/2014	Q3		450,000,000	446,406,108	9,000,000		(9,000,000)	10,686,780	1,686,780
1/15/2015	Q1	(450,000,000)	-	448,092,888	9,000,000		(459,000,000)	10,907,105	1,907,105

Commitment fees for 4th quarter 2008

ATTACHMENT 2
Annual Transmission Revenue Requirements
For 2017 Rate Year

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company			TrAILCo	
Formula Rate -- Appendix A	Notes	FERC Form 1 Page # or Instruction		
Shaded cells are input cells			2017 Forecast	

Allocators

Wages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21.b	0
2	Total Wages Expense		p354.28.b	0
3	Less A&G Wages Expense		p354.27.b	0
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	0
5	Wages & Salary Allocator		(Line 1 / Line 4), if line 2 = 0, then 100%	100.0000%
Plant Allocation Factors				
6	Electric Plant In Service	(Note B)	Attachment 5	2,058,179,304
7	Total Plant In Service		(Line 6)	2,058,179,304
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	190,234,485
9	Total Accumulated Depreciation		(Line 8)	190,234,485
10	Net Plant		(Line 7 - Line 9)	1,867,944,820
11	Transmission Gross Plant		(Line 15 + Line 21)	2,058,179,304
12	Gross Plant Allocator		(Line 11 / Line 7, if Line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant		(Line 11 - Line 29)	1,867,944,820
14	Net Plant Allocator		(Line 13 / Line 10, if line 10=0, enter 100%)	100.0000%

Plant Calculations

Transmission Plant				
15	Transmission Plant In Service	(Note B)	Attachment 5	1,979,482,591
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B)	Attachment 6	67,035,549
17	Total Transmission Plant		(Line 15 + Line 16)	2,046,518,140
18	General & Intangible		Attachment 5	78,696,713
19	Total General & Intangible		(Line 18)	78,696,713
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant		(Line 19 * Line 20)	78,696,713
22	Transmission Related Plant		(Line 17 + Line 21)	2,125,214,853
Accumulated Depreciation				
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	172,111,811
24	Accumulated General Depreciation		Attachment 5	8,244,119
25	Accumulated Intangible Amortization		Attachment 5	9,878,555
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	18,122,674
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation		(Line 26 * Line 27)	18,122,674
29	Total Transmission Related Accumulated Depreciation		(Line 23 + Line 28)	190,234,485
30	Total Transmission Related Net Property, Plant & Equipment		(Line 22 - Line 29)	1,934,980,368

Adjustment To Rate Base

Accumulated Deferred Income Taxes			
31	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)
			-312,921,418
33	Transmission Related CWIP (Current Year 13 Month weighted average balances)	(Note B)	p216.b.43 as shown on Attachment 6
			0
34	Transmission Related Land Held for Future Use	(Note C)	Attachment 5
			0
Transmission Related Pre-Commercial Costs Capitalized			
35	Unamortized Capitalized Pre-Commercial Costs		Attachment 5
			0
Prepayments			
36	Transmission Related Prepayments	(Note A)	Attachment 5
			715,900
Materials and Supplies			
37	Undistributed Stores Expense	(Note A)	Attachment 5
38	Wage & Salary Allocator		(Line 5)
			100.0000%
39	Total Undistributed Stores Expense Allocated to Transmission		(Line 37 * Line 38)
			0
40	Transmission Materials & Supplies		Attachment 5
			0
41	Transmission Related Materials & Supplies		(Line 39 + Line 40)
			0
Cash Working Capital			
42	Operation & Maintenance Expense		(Line 74)
			1,896,609
43	1/8th Rule		1/8
			12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)
			237,076
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)
			-311,968,442
46	Rate Base		(Line 30 + Line 45)
			1,623,011,926

O&M

Transmission O&M			
47	Transmission O&M		p321.112.b
			7,272,539
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)
			564,795
49	Less Account 565		p321.96.b
			0
50	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note M)	PJM Data
			0
51	Plus Property Under Capital Leases		p200.4.c
			0
52	Transmission O&M		(Lines 47 - 48 - 49 + 50 + 51)
			6,707,744
A&G Expenses			
53	Total A&G		p323.197.b
			-5,375,930
54	Less Property Insurance Account 924		p323.185.b
			78,857
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b
			0
56	Less General Advertising Exp Account 930.1		p323.191.b
			0
57	Less PBOP Adjustment		Attachment 5
			0
58	Less EPRI Dues	(Note D)	p352 & 353
			0
59	A&G Expenses		(Line 53) - Sum (Lines 54 to 58)
			-5,454,787
60	Wage & Salary Allocator		(Line 5)
			100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)
			-5,454,787
Directly Assigned A&G			
62	Regulatory Commission Exp Account 928	(Note G)	Attachment 5
			0
63	General Advertising Exp Account 930.1	(Note J)	Attachment 5
			0
64	Subtotal - Accounts 928 and 930.1 - Transmission Related		(Line 62 + Line 63)
			0
65	Property Insurance Account 924		p323.185.b
			78,857
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5
			0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)
			78,857
68	Net Plant Allocator		(Line 14)
			100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)
			78,857
Account 566 Miscellaneous Transmission Expense			
70	Amortization Expense on Pre-Commercial Cost	Account 566	Attachment 5
			0
71	Pre-Commercial Expense	Account 566	Attachment 5
			0
72	Miscellaneous Transmission Expense	Account 566	Attachment 5
			564,795
73	Total Account 566		Sum (Lines 70 to 72)
			564,795
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)
			1,896,609

Depreciation & Amortization Expense

Depreciation Expense			
75	Transmission Depreciation Expense	Attachment 5	37,651,525
76	General Depreciation	Attachment 5	1,520,309
77	Intangible Amortization (Note A)	Attachment 5	2,014,881
78	Total	(Line 76 + Line 77)	3,535,190
79	Wage & Salary Allocator	(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization	(Line 78 * Line 79)	3,535,190
81	Total Transmission Depreciation & Amortization	(Lines 75 + 80)	41,186,715

Taxes Other than Income

82	Transmission Related Taxes Other than Income	Attachment 2	11,663,043
83	Total Taxes Other than Income	(Line 82)	11,663,043

Return / Capitalization Calculations

84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	927,684,324
86	Less Accumulated Other Comprehensive Income Account 219		p112.15.c	0
87	Less Preferred Stock		(Line 95)	0
88	Less Account 216.1		p112.12.c	0
89	Common Stock		(Line 85 - 86 - 87 - 88)	927,684,324
Capitalization				
90	Long Term Debt (Note N)			624,664,027
91	Less Unamortized Loss on Reacquired Debt		p111.81.c	0
92	Plus Unamortized Gain on Reacquired Debt		p113.61.c	0
93	Less ADIT associated with Gain or Loss		Attachment 1	0
94	Total Long Term Debt		(Line 90 - 91 + 92 - 93)	624,664,027
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	927,684,324
97	Total Capitalization		(Sum Lines 94 to 96)	1,552,348,351
98	Debt %	Total Long Term Debt (Note N)	(Line 94 /Line 97)	40.2399%
99	Preferred %	Preferred Stock (Note N)	(Line 95 /Line 97)	0.0000%
100	Common %	Common Stock (Note N)	(Line 96 /Line 97)	59.7601%
101	Debt Cost	Total Long Term Debt		0.0394
102	Preferred Cost	Preferred Stock	(Line 84 / Line 95)	0.0000
103	Common Cost	Common Stock (Note I)	The most recent FERC approved ROE	0.1170
104	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 98 * Line 101)	0.0159
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0699
107	Rate of Return on Rate Base (ROR)		(Sum Lines 104 to 106)	0.0858
108	Investment Return = Rate Base * Rate of Return		(Line 46 * Line 107)	139,211,912

Composite Income Taxes

Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	35.00%
110	SIT=State Income Tax Rate or Composite		7.71%
111	p	(percent of federal income tax deductible for state purp: Per State Tax Code	0.00%
112	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	40.01%
113	T/(1-T)		66.70%
114	Income Tax Component =	$CIT=(T/(1-T) * Investment Return * (1-(WCLTD/R))) =$ [Line 113 * Line 108 * (1- (Line 104 / Line 107))]	75,690,267
115	Total Income Taxes	(Line 114)	75,690,267

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,934,980,368
117	Total Adjustment to Rate Base	(Line 45)	-311,968,442
118	Rate Base	(Line 46)	1,623,011,926
119	Total Transmission O&M	(Line 74)	1,896,609
120	Total Transmission Depreciation & Amortization	(Line 81)	41,186,715
121	Taxes Other than Income	(Line 83)	11,663,043
122	Investment Return	(Line 108)	139,211,912
123	Income Taxes	(Line 115)	75,690,267

124 Gross Revenue Requirement (Sum Lines 119 to 123) 269,648,546

Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service	(Line 22)	2,125,214,853
126	Excluded Transmission Facilities	(Note L) Attachment 5	0
127	Included Transmission Facilities	(Line 125 - Line 126)	2,125,214,853
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	269,648,546
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	269,648,546

131	Revenue Credits	Attachment 3	1,845,877
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132 Net Revenue Requirement (Line 130 - Line 131) 267,802,669

Net Plant Carrying Charge			
133	Net Revenue Requirement	(Line 132)	267,802,669
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,874,406,329
135	FCR	(Line 133 / Line 134)	14.2873%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	12.2786%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	12.2786%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	0.8135%

Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	52,900,490
140	Increased Return and Taxes	Attachment 4	231,070,562
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	283,971,051
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,874,406,329
143	FCR with Incentive ROE	(Line 141 / Line 142)	15.1499%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	13.1412%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	13.1412%

146	Net Revenue Requirement	(Line 132)	267,802,668.53
147	Reconciliation amount	Attachment 6	-3,704,533.91
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones	Attachment 7	8,528,234.18
149	Facility Credits under Section 30.9 of the PJM OATT	Attachment 5	0.00

150 Net Zonal Revenue Requirement (Line 146 + 147 + 148 + 149) 272,626,368.81

Network Zonal Service Rate			
151	1 CP Peak	(Note K) PJM Data	N/A
152	Rate (\$/MW-Year)	(Line 150 / 151)	N/A

153 Network Service Rate (\$/MW/Year) (Line 152) N/A

Notes

- A Electric portion only
- B For both the estimate and the reconciliation, Construction Work In Progress ("CWIP") and leases that are expensed as O&M (rather than amortized) are excluded.
For the Estimate Process:
Transmission plant in service will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
The transmission plant will agree to or be reconciled to the FERC Form 1 balance for the transmission plant.
New Transmission Plant expected to be placed in service in the current calendar year will be based on the average of 13 monthly investment costs and shown separately detailed by project on Attachment 6.
Accumulated depreciation will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
For the Reconciliation Process:
Transmission plant in service will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes
new transmission plant added to plant-in-service
Accumulated depreciation will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes
accumulated depreciation associated with current year transmission plant.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Includes Transmission portion only and (i) only land that has an estimated in-service date within 10 years may be included and (ii) a plan for the land's use is required to be included in the filing whenever the cost of the land is proposed to be included in rates.
- D Excludes all EPRI Annual Membership Dues
- E Excludes all Regulatory Commission Expenses
- F Includes Safety related advertising included in Account 930.1
- G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- H The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed.
- I ROE will be established in the Commission order accepting the settlement in Docket No. ER07-562 and no change in ROE will be made absent a Section 205 or Section 206 filing at FERC.
- J Education and outreach expenses relating to transmission, for example siting or billing
- K As provided for in Section 34.1 of the PJM OATT; the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
- L Amount of transmission plant excluded from rates per Attachment 5.
- M Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M on Line 47. If they are booked to Acct 565, they are included on Line 50. Copies of PJM invoices will be provided upon request.
- N The capital structure will remain 50% equity and 50% debt until construction of all of the segments of the TrAIL Project is completed and the entire TrAIL Project is placed in service. The first year that these projects are in service the formula will be run based on the 50/50 capital structure and on the actual year end capital structure. The two results will be weighted based on: the number of days the last project was in service and 365 day minus the numbers of days the last project was in service divided by 365 days. This can be illustrated using the following example:

Example:

Assume Last Project goes into service on day 260.
Hypothetical Capital Structure until the last project goes into service is 50/50.
Assume Year End actual capital structure is 60% equity and 40% debt.

Therefore: Weighted Equity = $[50\% \cdot 260 + 60\% \cdot (365 - 260)] / 365$

Trans-Allegheny Interstate Line Company
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Line	Trans-Allegheny Interstate Company							
	B1 <i>Beg of Year Total</i>	B2 <i>End of Year Total</i>	B3 <i>End of Year Est. for Final Total</i>	C <i>Retail Related</i>	D <i>Only Transmission Related</i>	E <i>Plant Related</i>	F <i>Labor Related</i>	G <i>Total ADIT</i>
1	ADIT-282 From Account Total Below	490,536,784	545,228,004	545,228,004	545,228,004	-	-	545,228,004
2	ADIT-283 From Account Total Below	98,550,204	101,839,033	101,839,033	100,809,905	-	-	100,809,905
3	ADIT-190 From Account Total Below	(335,972,025)	(334,216,000)	(334,216,000)	(332,916,491)	-	-	(332,916,491)
4	Subtotal				312,921,418	-	-	312,921,418
5	Wages & Salary Allocator						100.0000%	
6	Gross Plant Allocator					100.0000%		
7	ADIT				312,921,418	-	-	312,921,418

Enter Negative

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 93.
 Amount 0 < From Acct 283, below

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B1	B2	B3	C	D	E	F	G	
	Trans-Allegheny Interstate Company								
ADIT-190	Beg of Year Balance p234.18.b	End of Year Balance p234.18.c	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Charitable Contribution Carryforward	10,755	10,899	10,899			10,899			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution State & Local RTA	-	249	249			249			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm-Incurred-CWIP	-	1,862,609	1,862,609			1,862,609			Taxable CIAC
FASB 109 Gross-Up	(463,554)	11,882,116	11,882,116			11,882,116			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	225,521,300	225,521,300	225,521,300			225,521,300			Result of bonus depreciation
A&G Expenses-VA Norm	13,363	-	-			-			Accounting change relating to A&G expense
A&G Expenses-WV Norm	22,984	-	-			-			Accounting change relating to A&G expense
Merger Costs D&O Insurance	1,634	1,493	1,493		1,493	-			Long term disability accrual
Merger Costs Licenses	75,392	68,888	68,888		68,888	-			Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Assat -LT PA	5,213,131	4,400,386	4,400,386			4,400,386			Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Assat PA	-	-	-			-			Result of bonus depreciation
NOL Deferred Tax Assat WV	-	-	-			-			Result of bonus depreciation
Pension/OP&B, Other Def Cr. Or Dr.	2,154,419	2,183,288	2,183,288			2,183,288			Result of bonus depreciation
Accelerated Tax Depr-MD Norm	140,229	-	-			-			Additional tax depreciation over book
Accelerated Tax Depr-VA Norm	868,154	-	-			-			Additional tax depreciation over book
Purch Acct-LTD FMV	1,212,876	1,229,128	1,229,128		1,229,128				Set-up of a reserve on transmission companies for the amount of merger expenses that have been overcollected and are owed to customers - timing difference between book and tax
Reevaluation Adjustment	-	-	-			-			Reflects the adjustments and subsequent amortization of the regulatory asset associated with the adjusted debt balances resulting from the FE/A&E merger (Offset is P&A -LT Regulatory Asset Amort below in 283)
State Income Tax Deductible	2,621,595	5,039,440	5,039,440			5,039,440			Temporary difference resulting from purchase accounting transactions
Unamortized Discount	414,056	-	-			-			Deductions related to state income taxes
Accelerated Tax Depr-WV Norm	3,859,919	-	-			-			Additional tax depreciation over book
AFUDC Debt-MD Norm	25,607	-	-			-			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC Debt-WV Norm	18,000	-	-			-			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC EquityFAS 43-Fed-FT-Reversal-CWIP	3,859,115	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43-MD-FT-Reversal-CWIP	35,785	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43-PA-FT-Reversal-CWIP	115,983	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43-VA-FT-Reversal-CWIP	39,417	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC EquityFAS 43-WV-FT-Reversal-CWIP	302,990	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 190
AMT Carryforward	42,492	-	-			-			Paid AMT tax which generates a credit
Cap Vertical Tree Trimming-VA-Norm	312	-	-			-			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cap Vertical Tree Trimming-WV-Norm	190	-	-			-			Temporary difference that is capitalized for book purposes but deductible for tax purposes
CIAC Fed Norm-Reversal-CWIP	4,679,258	4,631,520	4,631,520			4,631,520			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	-	21,252	21,252			21,252			Taxable CIAC
CIAC MD-Norm-Reversal-CWIP	54,464	50,842	50,842			50,842			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	-	70,048	70,048			70,048			Taxable CIAC
CIAC PA-Norm-Reversal-CWIP	81,387	167,099	167,099			167,099			Taxable CIAC
CIAC-VA-Norm	6,939	-	-			-			Taxable CIAC
CIAC VA-Norm-Incurred-CWIP	-	20,232	20,232			20,232			Taxable CIAC
CIAC VA-Norm-Reversal-CWIP	47,220	49,701	49,701			49,701			Taxable CIAC
CIAC-WV-Norm	19,971	-	-			-			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	-	155,180	155,180			155,180			Taxable CIAC
CIAC WV-Norm-Reversal-CWIP	362,967	381,380	381,380			381,380			Taxable CIAC
Cost of Removal-VA-Norm	1,265	-	-			-			Temporary difference arising for removal of plant/property
NOL Deferred Tax Assat -LT WV	17,735,335	17,735,335	17,735,335			17,735,335			Result of bonus depreciation
Other Basis Differences-VA-Norm	17,750	-	-			-			Other property related temporary differences
Tax Interest Capitalized-Fed-Norm	27,961,991	29,576,802	29,576,802			29,576,802			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	30,265,433	32,238,748	32,238,748			32,238,748			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	405,260	476,552	476,552			476,552			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	280,697	306,436	306,436			306,436			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	761,090	692,978	692,978			692,978			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	909,770	995,377	995,377			995,377			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	491,269	627,601	627,601			627,601			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	309,188	331,599	331,599			331,599			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	2,555,859	2,831,360	2,831,360			2,831,360			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	2,376,649	2,548,278	2,548,278			2,548,278			Actual amount of tax interest capitalized
Tax UoP Repair Exp-MD-Norm	40,067	-	-			-			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Tax UoP Repair Exp-WV-Norm	38,558	-	-			-			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	335,508,471	346,098,116	346,098,116		1,299,509	344,798,607		-	
Less FASB 109 included above	(463,554)	11,882,116	11,882,116		-	11,882,116		-	
Less FASB 106 included above	-	-	-		-	-		-	
Total	335,072,025	334,216,000	334,216,000		1,299,509	332,916,491		-	

Instructions for Account 190:

- ADIT items related only to Retail Related Operations are directly assigned to Column C.
- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADIT items related only to Transmission are directly assigned to Column E.
- ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
- ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C					F	G
				Trans-Allegheny Interstate Company						
ADIT- 282	Beg of Year Balance	End of Year Balance	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION	
	p274.9.b	p275.9.k								
Property Related - ABFUDC	-	-	-	-	-	-	-	-	Allowance for borrowed funds used during construction (ABFUDC)	
Accelerated Tax Depreciation	463,296,662	510,293,001	510,293,001	-	-	510,293,001	-	-	Additional tax depreciation over book	
Property Related - Tax Depreciation	-	-	-	-	-	-	-	-	Tax depreciation	
FASB 109 Fixed Asset Adjustment	-	-	-	-	-	-	-	-	Increase in ADFDC	
FASB 109 Cross-Up	3,540,272	13,453,841	13,453,841	-	-	13,453,841	-	-	Reclass of the tax portion (cross-up) for property items included in account 282	
Book Depreciation Expense	-	-	-	-	-	-	-	-	Book depreciation	
Amortization Expense - Intangible Plant	-	-	-	-	-	-	-	-	Book depreciation / amortization	
Bonus Depreciation	-	-	-	-	-	-	-	-	Tax depreciation	
CRCS Taxable	-	-	-	-	-	-	-	-	Taxable CIAC	
Tax Interest Capitalized	-	-	-	-	-	-	-	-	Actual amount of tax interest capitalized	
Power Tax Adjustment	-	-	-	-	-	-	-	-	System adjustment to reclass balances to correct FERC accounts	
A&G Expenses Capitalized	3,539,760	5,860,076	5,860,076	-	-	5,860,076	-	-	Accounting change relating to A&G expense	
Estimated Property Regulatory Asset Adjustment	-	-	-	-	-	-	-	-	Property True-Up	
Book Profit/Loss on Retirement	-	-	-	-	-	-	-	-	Result of gain or loss on asset retirements	
Repair & Maintenance 481 a Adjustment	-	-	-	-	-	-	-	-	Portion of Repairs & Maintenance 481a Adjustment offset in Account 182	
Repair & Maintenance Deduction	-	-	-	-	-	-	-	-	Portion of Repairs & Maintenance deduction offset in Account 182	
Additional State Depreciation VA	2,926,723	3,272,806	3,272,806	-	-	3,272,806	-	-	Temporary difference for additional state depreciation allowed for VA tax return	
Additional State Depreciation WV	42,297,527	46,156,850	46,156,850	-	-	46,156,850	-	-	Temporary difference for additional state depreciation allowed for WV tax return	
Additional State Depreciation MD	1,663,916	2,044,318	2,044,318	-	-	2,044,318	-	-	Temporary difference for additional state depreciation allowed for MD tax return	
Additional State Depreciation PA	6,837,309	7,055,017	7,055,017	-	-	7,055,017	-	-	Temporary difference for additional state depreciation allowed for PA tax return	
AFUDC Equity Flow Through	-	-	-	-	-	-	-	-	Portion of AFUDC Equity that relates to property and booked to account 282	
AFUDC Debt	3,408,893	4,217,661	4,217,661	-	-	4,217,661	-	-	Portion of AFUDC Debt that relates to property and booked to account 282	
Cost of Removal	(2,654,486)	(2,596,487)	(2,596,487)	-	-	(2,596,487)	-	-	Temporary difference arising for removal of plant/property	
MACRS/ACRS Property Retired Retail	-	-	-	-	-	-	-	-	Result of gain or loss on asset retirements	
Capitalized Vertical Tree Trimming	37,702	88,162	88,162	-	-	88,162	-	-	Temporary difference that is capitalized for book purposes but deductible for tax purposes	
Life Insurance - Capital Portion	-	-	-	-	-	-	-	-	Temporary difference from Life Insurance that is capitalized as property and booked to account 282 (instead of account 283)	
Ordinary Gain/Loss - Reverse Books	-	-	-	-	-	-	-	-	Reversal of book gains and losses	
Sale of Property - Book Gain or (Loss)	(50,657)	(73,032)	(73,032)	-	-	(73,032)	-	-	Sale of book gains and losses	
Vegetation Management - Transmission	(27,318)	(162,689)	(162,689)	-	-	(162,689)	-	-	Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules	
Other Basis Differences	(33,786,439)	(34,005,677)	(34,005,677)	-	-	(34,005,677)	-	-	Other property related temporary differences	
TBBS Property Adjustment	-	-	-	-	-	-	-	-	Adjustment to property in order to align Tax Basis Balance Sheet	
T&D Repairs	3,047,192	3,077,998	3,077,998	-	-	3,077,998	-	-	Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43	
Subtotal	494,077,056	558,681,845	558,681,845	-	-	558,681,845	-	-		
Less FASB 109 included above	3,540,272	13,453,841	13,453,841	-	-	13,453,841	-	-		
Less FASB 106 included above	-	-	-	-	-	-	-	-		
Total	490,536,784	545,228,004	545,228,004	-	-	545,228,004	-	-		

Instructions for Account 282:

- ADIT items related only to Retail Related Operations are directly assigned to Column C.
- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADIT items related only to Transmission are directly assigned to Column E.
- ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
- ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Trans-Allegheny Interstate Line Company
Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	FERC Form No.1 page, line & Col	Amount	Allocator	Allocated Amount	
Plant Related		Gross Plant Allocator			
1.1	2015 State Property WV	p263.30(i)	4,204,121	100.0000%	\$ 4,204,121
1.2	2016 State Property WV	p263.31(i)	4,408,671	100.0000%	4,408,671
1.3	2016 State Property PA (PURTA)	p263.18(i)	27,000	100.0000%	27,000
1.4	Prior Years' State Property PA (PURTA)	p263.19(i)	6,544	100.0000%	6,544
1.5	2014 Local Property WV	p263.1.2(i)	(33)	100.0000%	(33)
1.6	2015 Local Property WV	p263.1.3(i)	14,833	100.0000%	14,833
1.7	2016 Local Property WV	p263.1.4(i)	8,096	100.0000%	8,096
1.8	2016 Local Property VA	p263.1.7(i)	1,576,407	100.0000%	1,576,407
1.9	2015 Local Property PA	p263.1.10(i)	(313)	100.0000%	-313
2.0	2016 Local Property PA	p263.1.11(i)	4,904	100.0000%	4,904
2.1	2015 Local Property MD	p263.1.15(i)	572,827	100.0000%	572,827
2.2	2016 Local Property MD	p263.1.16(i)	784,570	100.0000%	784,570
2.3	2015 Capital Stock Tax/Franchise PA	p263.15(i)	53,943	100.0000%	53,943
2.4	2016 Capital Stock Tax/Franchise PA	p263.16(i)	300	100.0000%	300
2.5	State Sales/Use Tax PA	p263.15(i)	1,173	100.0000%	1,173
4	Total Plant Related		11,663,043	100.0000%	11,663,043
Labor Related		Wages & Salary Allocator			
5	Accrued Federal FICA		0		
6	Accrued Federal Unemployment		0		
7	State Unemployment		0		
8	Total Labor Related		0	100.0000%	-
Other Included		Gross Plant Allocator			
9			0		0
10			0		0
11			0		0
12	Total Other Included		0	100.0000%	0
13	Total Included (Lines 4 + 8 + 12)		11,663,043		11,663,043 Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.2(i)	17,275,880		
15	Corporate Net Income Tax MD	p263.7(i)	609,967		
16	Corporate Net Income Tax PA	p263.12(i)	2,917,643		
17	Corporate Net Income Tax VA	p263.23(i)	554,719		
18	Corporate Net Income Tax WV	p263.27(i)	2,415,988		
19	Subtotal, Excluded		23,774,197		
20	Total, Included and Excluded (Line 13 + Line 19)		35,437,240		
21	Total Other Taxes from p114.14.c		11,663,043		
22	Difference (Line 20 - Line 21)		23,774,197		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they shall not be included.
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they shall not be included.
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

Trans-Allegheny Interstate Line Company

Attachment 3 - Revenue Credit Workpaper

Amount FERC Form No.1
page, line & Col

Account 454 - Rent from Electric Property

1	Rent from Electric Property - Transmission Related (Note 3)		-	Page 300 Line: 19 Column: b
2	Total Rent Revenues	(Line 1)	-	

Account 456 - Other Electric Revenues (Note 1)

3	Schedule 1A		-	
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)		-	
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner		1,845,877	p328-330 Footnote Data Schedule Page: 328 Line: 1 Column: m
6	PJM Transitional Revenue Neutrality (Note 1)		-	
7	PJM Transitional Market Expansion (Note 1)		-	
8	Professional Services (Note 3)		-	
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)		-	
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)		-	
11	Gross Revenue Credits	(Sum Lines 2-10)	1,845,877	
12	Less line 14g		-	
13	Total Revenue Credits	(Line 11 - Line 12)	<u>1,845,877</u>	Input to Appendix A, Line 131

Revenue Adjustment to determine Revenue Credit

14a	Revenues associated with lines 14b-g are to be included in lines 2-10 and total of those revenues entered here		-	
14b	Costs associated with revenues in line 14a		-	
14c	Net Revenues (14a - 14b)		-	
14d	50% Share of Net Revenues (14c / 2)		-	
14e	Costs associated with revenues in line 14a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.		-	
14f	Net Revenue Credit (14d + 14e)		-	
14g	Line 14a less line 14f		-	
15	Amount offset in line 4 above		-	
16	Total Account 454 and 456		<u>1,845,877</u>	

17 Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 178 of Appendix A.

18 Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.

19 Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 14a - 14g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).

20 Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support. For example revenues associated with distribution facilities. In addition Revenues from Schedule 12 of the PJM OATT are not included in the total above to the extent they are credited under Schedule 12 of the PJM OATT.

Trans-Allegheny Interstate Line Company

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness			
	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)	231,070,562	Input to Appendix A, Line 140
B	Difference between Base ROE and Incentive ROE		100	

Return Calculation

		Source Reference		
1	Rate Base		Appendix A, Line 46	1,623,011,926
2	Preferred Dividends	enter positive	Appendix A, Line 84	0
	Common Stock			
3	Proprietary Capital		Appendix A, Line 85	927,684,324
4	Less Accumulated Other Comprehensive Income Account 219		Appendix A, Line 86	0
5	Less Preferred Stock		Appendix A, Line 87	0
6	Less Account 216.1		Appendix A, Line 88	0
7	Common Stock		Appendix A, Line 89	927,684,324
	Capitalization			
8	Long Term Debt		Appendix A, Line 90	624,664,027
9	Less Unamortized Loss on Reacquired Debt		Appendix A, Line 91	0
10	Plus Unamortized Gain on Reacquired Debt		Appendix A, Line 92	0
11	Less ADIT associated with Gain or Loss		Appendix A, Line 93	0
12	Total Long Term Debt		Appendix A, Line 94	624,664,027
13	Preferred Stock		Appendix A, Line 95	0
14	Common Stock		Appendix A, Line 96	927,684,324
15	Total Capitalization		Appendix A, Line 97	1,552,348,351
16	Debt %	Total Long Term Debt	Appendix A, Line 98	40.2399%
17	Preferred %	Preferred Stock	Appendix A, Line 99	0.0000%
18	Common %	Common Stock	Appendix A, Line 100	59.7601%
19	Debt Cost	Total Long Term Debt	Appendix A, Line 101	0.0394
20	Preferred Cost	Preferred Stock	Appendix A, Line 102	0.0000
21	Common Cost	Common Stock	Appendix A, Line 102	12.70% 0.1270
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 16 * 19)	0.0159
23	Weighted Cost of Preferred	Preferred Stock	(Line 17 * 20)	0.0000
24	Weighted Cost of Common	Common Stock	(Line 18 * 21)	0.0759
25	Rate of Return on Rate Base (ROR)		(Sum Lines 22 to 24)	0.0917
26	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 25)	148,911,042

Composite Income Taxes

	Income Tax Rates			
27	FIT=Federal Income Tax Rate		Appendix A, Line 109	35.00%
28	SIT=State Income Tax Rate or Composite		Appendix A, Line 110	7.71%
29	p = percent of federal income tax deductible for state purposes		Appendix A, Line 111	0.00%
30	T	$T=1 - \frac{FIT}{1 - FIT}$	Appendix A, Line 112	40.01%
31	T/(1-T)		Appendix A, Line 113	66.70%
32	Income Tax Component =	$CIT=(T/(1-T)) * Investment\ Return * (1-(WCLTD/R)) =$		82,159,520
33	Total Income Taxes		(Line 32)	82,159,520

Details																	
13 Month Plant Balance For reconciliation																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luzon	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,596,033	657,191	10,130,932	27,382,121	1,199,446	1,789,607	12,856,280	36,253,350	3,327,872	569,408	43,982,577	4,942,684	440,967
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,596,254	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,856,280	36,253,419	3,327,872	569,408	43,982,577	4,942,684	796,787
7,119,671	15,864,168	1,789,536	832,202	4,963,604	60,608,369	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,425	36,258,957	3,327,872	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,168	1,794,432	832,202	4,963,604	60,608,369	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,957	3,327,872	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,168	1,789,720	832,202	4,963,604	60,700,246	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	796,788
7,119,671	15,864,296	1,801,240	832,202	4,963,604	60,762,983	657,191	10,130,932	27,400,245	1,199,446	1,789,607	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,864,506	1,800,807	832,202	4,963,604	60,762,297	657,191	10,130,932	27,399,976	1,199,446	1,789,607	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,620,843	1,800,807	832,202	4,963,604	60,762,297	657,191	10,130,932	27,399,969	1,199,446	1,781,380	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,620,843	1,800,807	832,202	4,963,604	60,762,297	657,191	10,130,932	27,400,121	1,199,446	1,781,380	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,623,574	1,800,807	832,202	4,963,604	60,762,297	657,191	10,130,932	27,407,863	1,199,446	1,781,380	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,623,574	1,800,807	832,202	4,963,604	60,762,297	657,191	10,130,932	27,408,556	1,199,446	1,781,380	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,623,674	1,800,807	832,202	4,963,604	60,762,197	657,191	10,130,932	27,408,568	1,199,446	1,781,380	12,863,994	36,258,335	3,327,872	569,408	43,982,577	4,942,684	438,837
7,119,671	15,772,170	1,794,820	832,202	4,966,513	60,697,861	657,191	10,130,932	27,399,293	1,199,446	1,786,443	12,862,170	36,255,196	3,327,872	569,408	43,983,396	4,942,684	548,303

		Shuman		Bartonville			Squab Hollow SS		Squab Hollow SVC		Shinastown		Clayburg Ring		Johnstown SS			Grover Sub		Rider Sub		Shawville		Monocacy SS		Mainsburg SS		Yeagertown		Nyswaner		Oak Mound		Joffre SS		Erie South		Farmers Valley		Richwood Hill		Total						
Moshannon	Waldo Run	Four Mile Junction	West Union SS	Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shinastown	Clayburg Ring	Bus	Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley	Substation	Richwood Hill																								
6,649,310	54,800,390	9,550,913	891,283	1,525,229	544,803	18,603,072	31,300,019	1,759,727	7,375,661	1,342,314	878,262	20,598,363	2,304,576	29,391,313	20,704,718	1,138,659	917,779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6,056,735	54,807,678	9,550,913	891,283	1,525,229	503,730	18,649,245	31,308,118	1,760,239	7,417,432	1,368,889	891,015	20,498,691	2,304,948	29,395,330	20,915,820	1,133,705	923,342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6,057,325	54,779,710	9,550,913	891,283	1,525,229	501,089	18,671,609	31,321,096	1,760,254	7,535,441	1,368,881	891,014	20,563,479	2,304,720	29,362,811	21,045,831	1,135,094	924,198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6,061,940	54,809,862	9,550,913	891,283	1,525,229	501,092	18,677,744	31,320,151	1,760,270	7,652,786	1,368,881	891,014	20,671,674	2,304,731	29,083,191	21,152,665	1,135,027	926,256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
6,064,115	54,859,156	9,550,913	891,283	1,525,229	801,112	18,676,131	31,315,419	1,754,181	7,692,627	1,368,881	891,014	20,702,138	2,262,766	28,325,421	21,244,788	1,135,027	934,882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
6,069,040	54,861,656	9,550,913	891,283	1,525,229	504,403	18,691,011	31,315,648	1,754,181	7,995,109	1,368,881	891,014	20,702,811	2,264,787	28,325,912	21,288,063	1,135,027	935,646	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
6,069,613	54,882,917	9,675,056	891,283	1,525,229	504,192	18,695,064	31,315,718	1,754,181	7,702,169	1,368,881	891,014	20,646,400	2,264,787	28,280,873	22,062,954	1,135,027	936,165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
7,245,872	54,905,079	9,675,056	891,283	1,525,229	504,192	18,695,081	31,315,699	1,754,181	7,706,208	1,368,881	891,014	21,254,960	2,264,787	28,268,889	21,885,754	1,135,027	936,401	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
7,360,441	54,933,097	9,675,056	891,283	1,525,229	504,192	18,671,163	31,318,264	1,754,181	7,711,743	1,368,881	891,014	21,265,334	2,268,565	28,313,190	22,013,377	1,135,027	936,501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7,415,159	54,941,201	9,675,056	891,283	1,525,229	504,192	18,696,373	31,318,266	1,754,212	7,716,256	1,368,881	891,014	21,267,265	2,268,540	28,247,214	22,011,485	1,135,027	936,501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7,415,186	54,941,713	9,675,056	891,283	1,525,229	504,198	18,697,873	31,318,266	1,754,242	7,718,763	1,368,881	891,014	21,268,077	2,268,540	28,239,979	22,013,452	1,135,027	936,501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7,427,275	54,941,713	9,675,056	891,283	1,525,229	504,198	18,698,062	31,318,266	1,754,242	7,720,730	1,368,881	891,014	21,300,470	2,268,540	28,276,402	22,015,160	1,135,027	936,504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
7,433,681	54,863,726	9,675,056	891,283	1,526,229	504,198	18,706,350	31,318,268	1,754,245	7,723,981	1,368,881	891,014	21,303,620	2,268,540	28,292,674	22,023,148	1,135,027	936,604	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6,673,276	54,862,860	9,617,759	891,283	1,525,229	506,594	18,670,731	31,315,627	1,756,026	7,653,747	1,366,877	890,033	20,926,168	2,276,369	27,592,481	21,575,124	1,135,210	932,996	32,170,826	1,624,423	27,591,835	23,266,418	10,029,158	1,794,410,244.32																									

Trans-Allegheny Interstate Line

			Attachment 5 - Cost Supp	
			Link to Appendix A, line 15	Link to Appendix A, line 15
Calculation of Distribution Plant In Service				
	Source			
December	p206.75.b	For 2015	-	-
January	company records	For 2016	-	-
February	company records	For 2016	-	-
March	company records	For 2016	-	-
April	company records	For 2016	-	-
May	company records	For 2016	-	-
June	company records	For 2016	-	-
July	company records	For 2016	-	-
August	company records	For 2016	-	-
September	company records	For 2016	-	-
October	company records	For 2016	-	-
November	company records	For 2016	-	-
December	p207.75.g	For 2016	-	-
Distribution Plant In Service				
Calculation of Intangible Plant In Service				
	Source			
December	p204.5.b	For 2015	14,052,335	21,416,232
December	p205.5.g	For 2016	2,146,232	21,416,232
18	Intangible Plant In Service		17,734,279	21,416,232
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of General Plant In Service				
	Source			
December	p206.99.b	For 2015	57,266,501	-
December	p207.99.g	For 2016	57,269,481	57,269,481
18	General Plant In Service		57,273,481	57,269,481
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of Production Plant In Service				
	Source			
December	p204.46b	For 2015	-	-
January	company records	For 2016	-	-
February	company records	For 2016	-	-
March	company records	For 2016	-	-
April	company records	For 2016	-	-
May	company records	For 2016	-	-
June	company records	For 2016	-	-
July	company records	For 2016	-	-
August	company records	For 2016	-	-
September	company records	For 2016	-	-
October	company records	For 2016	-	-
November	company records	For 2016	-	-
December	p205.46.g	For 2016	-	-
Production Plant In Service				
6	Total Plant In Service	Sum of averages above	1,869,418,014	2,058,179,304
			Link to Appendix A, line 6	Link to Appendix A, line 6

Trans-Allegheny Interstate Line Company
 Attachment 5 - Cost Support

Accumulated Depreciation Worksheet																		
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions																		
			13 Month Balance for Reconciliation	EOY Balance for Estimate														
					Black Oak	Wylie Ridge	MD Junction - Territorial Line	Potter SS	Oaige Whiskey	Meadowbrook Transformer	North Shorandash	Bedington Transformers	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans	
Calculation of Transmission Accumulated Depreciation			Source															
December		Prior year FERC Form 1 p219.25.b	For 2015	132,411,556	10,791,595	(2,059,960)	103,209,217	104,901	1,428,548	1,239,725	(1,627,431)	1,111,899	875,156	5,166,603	509,147	403,054	740,224	
January		company records	For 2016	135,387,748	10,808,076	(2,011,335)	106,108,142	107,788	1,476,146	1,253,881	(1,627,317)	1,124,415	887,246	5,225,960	517,005	409,808	738,885	
February		company records	For 2016	138,700,517	11,020,719	(1,962,694)	107,173,011	110,635	1,523,544	1,268,036	(1,627,202)	1,138,931	899,336	5,305,316	524,962	416,662	771,152	
March		company records	For 2016	142,344,309	11,135,361	(1,914,058)	109,648,163	113,503	1,571,043	1,282,191	(1,627,088)	1,152,447	911,426	5,374,673	532,870	423,493	783,616	
April		company records	For 2016	144,528,403	11,200,003	(1,895,422)	110,649,533	116,369	1,618,541	1,295,347	(1,626,974)	1,165,993	923,916	5,444,030	540,778	430,351	795,951	
May		company records	For 2016	149,330,425	11,354,645	(1,816,798)	112,330,506	119,235	1,666,039	1,310,502	218,000	1,179,479	935,606	5,513,297	548,685	437,209	808,545	
June		company records	For 2016	149,288,071	11,479,288	(1,798,183)	114,177,126	122,163	1,713,537	1,324,467	221,467	1,192,996	947,697	5,582,479	556,500	444,667	821,639	
July		company records	For 2016	152,236,071	11,583,930	(1,719,514)	115,888,597	124,966	1,761,036	1,338,813	224,734	1,206,512	959,737	5,651,666	564,500	450,925	833,473	
August		company records	For 2016	158,719,559	11,708,572	(1,670,878)	117,598,905	127,851	1,808,534	1,352,968	229,101	1,220,028	971,877	5,720,854	572,408	457,783	845,937	
September		company records	For 2016	161,985,995	11,823,215	(1,626,242)	119,378,506	130,695	1,856,032	1,367,153	231,668	1,233,544	983,907	5,790,042	580,315	464,641	858,601	
October		company records	For 2016	162,228,183	11,837,857	(1,573,606)	121,072,275	133,561	1,903,531	1,381,279	234,835	1,247,060	996,057	5,859,229	588,223	471,499	870,866	
November		company records	For 2016	162,615,803	12,052,499	(1,524,970)	122,841,332	136,427	1,951,029	1,395,434	238,201	1,260,577	1,008,147	5,928,417	596,130	478,357	883,330	
December		p219.25.b	For 2016	172,111,811	12,167,141	(1,475,336)	124,627,317	139,292	1,998,927	1,409,989	241,668	1,274,093	1,020,236	5,997,624	604,038	482,515	895,294	
23		Transmission Accumulated Depreciation		152,116,263	172,111,811	11,479,300	(1,768,150)	114,124,828	122,099	1,713,537	1,324,657	(484,441)	1,192,996	947,697	5,582,321	556,593	444,086	821,009

Details																	
13 Month Balance For Reconciliation																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
584,014	508,449	38,536	31,310	193,161	1,952,939	31,237	378,704	807,181	32,808	57,597	455,084	1,134,021	100,874	16,679	1,417,568	154,600	10,334
598,474	536,179	40,177	32,787	201,848	2,058,198	32,388	389,243	880,883	34,820	60,729	478,914	1,197,483	111,887	17,876	1,484,537	163,250	11,109
608,934	565,909	41,818	34,223	215,011	2,165,309	33,039	399,382	914,201	37,032	63,901	501,944	1,200,888	117,620	18,872	1,571,507	171,899	12,188
621,294	591,639	43,489	35,680	219,216	2,271,642	34,691	409,721	987,735	39,144	66,993	525,381	1,324,334	123,344	19,669	1,648,476	180,549	13,583
633,864	618,379	45,100	37,136	227,901	3,377,888	35,864	420,990	1,021,269	41,298	70,125	548,824	1,337,785	129,187	20,855	1,725,446	189,199	14,977
646,314	647,101	46,741	38,592	238,586	2,484,128	36,993	430,399	1,074,803	43,369	73,256	572,206	1,451,237	134,991	21,862	1,802,415	197,849	16,371
659,714	674,833	48,282	40,649	248,211	2,590,372	38,144	440,739	1,128,387	45,481	76,388	595,738	1,514,889	140,814	22,858	1,878,386	206,466	17,453
671,234	702,865	50,022	41,505	253,656	2,698,615	39,295	451,678	1,181,871	47,593	79,520	619,638	1,578,141	146,637	23,855	1,966,355	216,148	18,211
683,694	730,287	51,663	42,961	262,641	2,802,858	40,446	461,417	1,235,404	49,705	82,652	642,869	1,641,593	152,461	24,851	2,033,324	223,798	18,989
696,164	757,898	53,304	44,418	271,357	2,909,106	41,597	471,756	1,288,068	51,817	85,764	666,892	1,705,945	159,284	25,848	2,110,294	232,447	19,757
708,614	785,710	54,846	45,874	280,012	3,016,345	42,749	482,095	1,342,478	53,929	88,915	688,912	1,768,497	164,108	26,844	2,187,263	241,097	20,525
721,074	813,421	56,388	47,330	288,697	3,121,588	43,900	492,434	1,398,028	56,041	92,047	711,930	1,831,950	169,931	27,840	2,264,233	249,747	21,296
733,534	841,133	58,227	48,787	297,382	3,227,831	45,051	502,773	1,449,574	58,153	95,165	734,982	1,886,402	175,795	28,837	2,341,211	258,367	22,060
658,774	674,815	48,382	40,049	245,271	2,590,374	38,144	440,739	1,128,346	45,481	76,387	595,532	1,514,694	140,814	22,658	1,879,386	206,498	16,681

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagerstown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Total	
130,975	1,211,587	205,448	20,608	57,903	4,009	204,359	342,313	17,013	80,879	12,554	6,462	42,840	20,946	181,571	53,262	3,194	903	-	-	-	-	-	152,411,558	
141,968	1,333,830	221,361	22,188	60,377	4,887	236,955	397,395	20,899	93,823	14,927	7,404	78,896	33,880	241,080	88,708	5,162	2,414	1,970	-	-	-	-	-	135,387,748
152,168	1,455,055	237,234	23,727	63,254	5,866	269,610	451,896	24,397	106,964	17,322	8,346	114,919	35,013	308,135	124,571	7,167	4,031	5,907	-	-	-	-	-	138,700,517
162,772	1,589,310	253,128	25,287	66,931	6,743	302,291	506,707	28,094	120,398	19,718	9,288	151,125	39,046	374,763	160,582	9,183	5,660	10,024	-	-	-	-	-	142,344,309
173,383	1,688,839	269,019	26,847	69,808	7,620	334,976	572,531	31,736	133,882	22,113	10,203	187,463	43,843	441,621	196,765	11,140	7,299	14,480	-	-	-	-	-	144,528,403
183,997	1,807,983	284,912	28,407	71,285	8,499	367,800	649,370	35,473	147,316	24,508	11,173	223,821	47,005	508,691	233,070	13,126	8,935	19,292	-	-	52,844	32,881	-	149,330,428
194,615	1,927,344	300,800	29,966	73,962	9,382	403,787	726,210	39,160	160,789	28,904	12,115	260,175	44,220	573,721	270,989	15,112	10,373	24,140	-	-	57,000	38,275	-	152,536,071
205,236	2,046,750	316,697	31,526	76,839	10,264	434,416	803,049	42,847	186,775	33,300	13,057	296,662	48,183	642,703	307,719	17,096	12,212	29,092	-	-	263,243	160,072	-	155,632,134
215,073	2,166,199	332,600	33,086	80,209	11,147	473,299	879,891	46,534	197,913	31,695	13,999	327,915	52,124	708,712	380,985	19,085	14,064	33,968	-	-	373,196	192,540	-	158,719,859
225,028	2,286,056	348,463	34,646	83,934	12,029	513,491	956,734	50,251	211,483	34,091	14,942	366,489	56,941	776,706	411,959	21,071	15,763	37,735	-	-	485,205	259,638	-	161,966,990
245,005	2,406,323	364,376	36,205	91,578	12,911	553,845	1,033,578	53,908	225,059	36,488	15,884	412,798	69,669	843,628	442,750	23,057	17,342	299,398	10,883	599,275	324,756	-	-	165,229,180
257,992	2,526,613	380,289	37,765	94,262	13,794	593,830	1,110,421	57,595	238,839	38,882	16,826	457,106	83,876	910,579	473,534	25,044	18,979	477,833	10,880	713,483	380,085	-	-	168,615,807
270,995	2,646,910	396,161	39,325	96,947	14,676	634,023	1,187,265	61,392	252,224	41,277	17,768	501,481	92,794	977,577	504,326	27,030	20,618	509,912	24,696	827,639	427,332	-	-	171,113,811
197,757	1,928,046	300,805	29,966	76,619	9,384	409,187	739,774	39,155	165,857	26,906	12,115	263,360	47,248	576,343	280,646	15,112	10,664	130,678	3,556	267,065	147,728	18,737	-	152,116,262

Trans-Allegheny Interstate Line

			Attachment 5 - Cost Supp	
			Link to Appendix A, line 23	Link to Appendix A, line 23
Calculation of Distribution Accumulated Depreciation				
December	Source	Prior year FERC Form 1 p219.26.b	For 2015	-
January	company records		For 2016	-
February	company records		For 2016	-
March	company records		For 2016	-
April	company records		For 2016	-
May	company records		For 2016	-
June	company records		For 2016	-
July	company records		For 2016	-
August	company records		For 2016	-
September	company records		For 2016	-
October	company records		For 2016	-
November	company records		For 2016	-
December	p219.26.b		For 2016	-
Distribution Accumulated Depreciation				-
Calculation of Intangible Accumulated Depreciation				
December	Source	Prior year FERC Form 1 p200.21.b	For 2015	7,830,329
December	p200.21b		For 2016	9,878,595
Accumulated Intangible Depreciation				<u>9,878,595</u>
			Link to Appendix A, line 25	Link to Appendix A, line 25
Calculation of General Accumulated Depreciation				
December	Source	Prior year FERC Form 1 p219.28b	For 2015	6,723,810
December	p219.28.b		For 2016	9,245,119
Accumulated General Depreciation				<u>7,453,964</u>
			Link to Appendix A, line 24	Link to Appendix A, line 24
Calculation of Production Accumulated Depreciation				
December	Source	Prior year FERC Form 1 p219.20.b-24.b	For 2015	-
January	company records		For 2016	-
February	company records		For 2016	-
March	company records		For 2016	-
April	company records		For 2016	-
May	company records		For 2016	-
June	company records		For 2016	-
July	company records		For 2016	-
August	company records		For 2016	-
September	company records		For 2016	-
October	company records		For 2016	-
November	company records		For 2016	-
December	p219.20.b thru 219.24.b		For 2016	-
Production Accumulated Depreciation				-
Total Accumulated Depreciation				<u>168,454,669</u>
Sum of averages above				<u>190,234,485</u>
			Link to Appendix A, line 8	Link to Appendix A, line 8

Trans-Allegheny Interstate Line Company
 Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non electric Portion	Details
				Begin of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
40	Materials and Supplies			-	-	-	
37	Transmission Materials & Supplies	p227.8		-	-	-	
	Undistributed Stores Expense	p227.16		-	-	-	
51	Allocated General Expenses	0		-	-	-	
	Plus Property Under Capital Leases	p200.4.c		-	-	-	

Transmission / Non-transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non electric Portion	Details
				Begin of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
34	Transmission Related Land Held for Future Use	Total Non-transmission Related Transmission Related		-	-	-	Enter Details Here

CWIP & Expensed Lease Worksheet

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non electric Portion	Details
				Begin of year	CWIP to Form 1 Amount	Expensed Lease to Form 1 Amount	
6	Plant Allocation Factors			-	-	-	
	Electric Plant in Service	(Note B) Attachment 5		1,758,715,406	-	-	
15	Plant in Service	(Note B) Attachment 5		1,687,396,580	-	-	
23	Transmission Plant in Service	(Note B) Attachment 5		-	-	-	
	Accumulated Depreciation			-	-	-	
	Transmission Accumulated Depreciation	(Note B) Attachment 5		132,611,056	-	-	

Pre-Commercial Costs Capitalized

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non electric Portion	Details
				Cost for Estimate and OCI for Year	Amortization Amount (Over 4 Years)	Capitalized End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliations)
35	Unamortized Capitalized Pre-Commercial Costs			\$ -	\$ -	\$ -	\$ -

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non electric Portion	Details
				Begin of year	EPRI Dues		
58	Allocated General & Common Expenses			-	-	-	
	Less EPRI Dues	(Note D) p352 & 353		0	0	0	Enter Details Here

Regulatory Expense Related to Transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non transmission Related	Details
				Form 1 Amount	Transmission Related	Non transmission Related	
62	Directly Assigned A&G			-	-	-	
	Regulatory Commission Exp Account 928	(Note G) p323.189.b		-	-	-	Link to Appendix A, line 62 Enter Details Here

Safety Related Advertising Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non safety Related	Details
				Form 1 Amount	Safety Related	Non safety Related	
66	Directly Assigned A&G			-	-	-	
	General Advertising Exp Account 920.1	(Note F) p323.191.b		-	-	-	Link to Appendix A, line 66 Enter Details Here

Trans-Allegheny Interstate Line Company
Attachment 5 - Cost Support

MultiState Workpaper

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		State 1	State 2	State 3	State 4	State 5	Details	
110	Income Tax Rates SIT - State Income Tax Rate or Composite (Note H)	MD 8.25%	WV 6.5%	PA 9.99%	VA 6.0%			
		Composite	Composite is calculated based on sales, payroll and property for each jurisdiction				7.756%	

Education and Out Reach Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Travel (Allow)	Education & Outreach	Other	Details
63	Directly Assigned A&O General Advertising Exp Account 930.1 (Note J) p223.191.b				Enter Details Here

Excluded Plant Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Excluded Transmission Facilities	Description of the Facilities
126	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities - Step-Up Facilities (Note L)		General Description of the Facilities
	Instructions: 1 Remove all investment below 69 KV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process. 2 If unable to determine the investment below 69KV in a substation with investment of 69 KV and higher as well as below 69 KV, the following formula will be used: Example A Total investment in substation 1,000,000 B Identifiable investment in Transmission (provide workpapers) 500,000 C Identifiable investment in Distribution (provide workpapers) 400,000 D Amount to be excluded (A x (C / (B + C))) 444,444	Enter \$ 0 Enter \$	
			Address lines if necessary

Prepayments

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Begin of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Debited	Details
36	Prepayments Prepaid Insurance (Note M)	1,289,264	142,535	715,900	100%	715,900	
	Prepaid Pensions if not included in Prepayments	0	0	0	100%	0	
	Total Prepayments	1,289,264	142,535	715,900		715,900	

Detail of Account 566 Miscellaneous Transmission Expenses

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Details
70	Amortization Expense on Pre-Commercial Cost	\$ -	
71	Pre-Commercial Expense	-	
72	Miscellaneous Transmission Expense	564,795	
	Total Account 566 Miscellaneous Transmission Expenses p.321.97.b	\$ 564,795	
			Summary of Pre-Commercial Expenses
			Cost Element Name Total
			Labor & Overhead (1) -
			Miscellaneous (2) -
			Outside Services Legal (3) -
			Outside Services Other (4) -
			Outside Services Rates (5) -
			Advertising (6) -
			Travel, Lodging and Meals (7) -
			Total -
			(1) Labor & overhead amount includes costs allocated to preparation of the preliminary survey and investigation.
			(2) Miscellaneous amount includes rental of volunteer fire department facilities for open houses, Fed EX fees for various mailings from Legal, Procurement, Transmission & Finance, fees for various conference calls and PJM application fee.
			(3) Outside legal services includes the cost for research and preparation of the filing to determine incentive rate availability.
			(4) Other services other includes fees for website development, media relations services, campaign management, open houses and research services.
			(5) Outside services rates includes the advice of in-state consultant regarding rate design.
			(6) Advertising includes newspaper and other media announcements of public scoping meetings related to the proposed project.
			(7) Travel, lodging and meals are the direct expenses for Allegheny staff to attend the scoping meetings.
149	Net Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT		

Trans-Allegheny Interstate Line Company
Attachment 5 - Cost Support

Depreciation Rates

	Life	Curve	Survivor		Accrual												
			Percent	Percent	Rate (Annual)	Percent	Back Cab	Wyle Ridge	50 Junction- Tartarus Line	Meadowbrook Transformer	North Shewardish	Bedington Transformer	Meadowbrook Capacitor	Kammer Transformers	Doubs Replacement Transformer #2	Doubs Replacement Transformer #3	Doubs Replacement Transformer #4
TRANSMISSION PLANT																	
350.2	70	-	R4	0	1.43												
352	50	-	R3	(10)	2.20	16,761		2,455,647									
	35	-			2.95			1,347,998									
353																	
	50	-	R2	(5)	2.10	1,358,785	583,632	783,180	169,864	25,779	162,194	145,082	831,001	94,890	82,161	148,570	
	Note: 1	-	80 R2 - 35-yr truncation		2.96												
	15	-	S3	0	6.67												
354	65	-	R4	(25)	1.92			7,297,466									
355	55	-	R2.5	(20)	2.16			2,953,341									
356																	
	55	-	R2.5	(40)	2.80			6,392,099									
	70	-	R4	0	1.43												
357	55	-	S3	(5)	1.91												
358	45	-	R3	(5)	2.33												
	35	-			2.86												
Total Transmission Plant Depreciation																	
Total Transmission Depreciation Expense (must tie to p206.7.f)																	37,651,525

Note 1: Depreciation rate is based on an 80 R2 survivor curve with a 35-year truncation.

Annual Depreciation Expense													
Cabot SS	Grandview Capacitor	Peter	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City
152	281		14,882	478 2,500	1,255				124,069	2,654	3,450		
149,368	13,533	34,391	110,486	329,700	18,436	17,476	104,220	1,274,893		246,344	21,896	37,569	
			96,495							8,427			36,100
			348,117							384,969			200,524
149,520	13,814	34,391	569,979	332,684	19,691	17,476	104,220	1,274,893	124,069	642,394	25,345	37,569	279,878

Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Woolley	Baronville	Squab Hollow SS	Squab Hollow SVC	Shinglestown	Claysburg Ring Bus	Johnstown SS Capacitor
							37,343	6,328		1,929		75,340				7,754
761,380	69,881	11,958	923,643	103,796	11,727	140,020	1,287,868	184,385	18,717	30,104	10,607	276,562	920,290	44,268	152,770	28,724
							80,142				117					
							29,970									
761,380	69,881	11,958	923,643	103,796	11,727	140,020	1,435,323	190,713	18,717	32,150	10,607	351,902	920,290	44,268	160,524	28,724

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Total
	44,698											2,503,476
	14,802											1,654,851
												-
11,307	146,388	47,596	796,005	413,157	23,837	8,194	53,756	24,466	627,639	506,657	187,667	14,767,819
												-
												-
												-
	269,845						356,661					7,413,698
	(10,633)						248,496					3,885,408
												1,014,202
												6,412,069
												-
												-
												-
11,307	465,099	47,596	796,005	413,157	23,837	8,194	658,912	24,466	627,639	506,657	187,667	37,651,525

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

GENERAL PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
390	Structures & Improvements	50	R1	0	2.00	893,109
391	Office Furniture & Equipment	20	SQ	0	5.00	96,332
	Information Systems	10	SQ	0	10.00	312,353
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other	15	SQ	20	5.33	
	Autos	7	S3	20	11.43	
	Light Trucks	11.5	L4	20	6.96	1,805
	Medium Truck	11.5	L4	20	6.96	
	Trailers	18	L1	20	4.44	
	ATV	15	SQ	20	5.33	
393	Stores Equipment	20	SQ	0	5.00	
394	Tools, Shop & Garage Equipment	20	SQ	0	5.00	
396	Power Operated Equipment	18	L1	25	4.17	
397	Communication Equipment	15	SQ	0	6.67	216,711
398	Miscellaneous Equipment	15	SQ	0	6.67	
Total General Plant						1,620,309
Total General Plant Depreciation Expense (must tie to p336.10 b & c)						1,520,309
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	2,014,881
Total Intangible Plant						2,014,881
Total Intangible Plant Amortization (must tie to p336.1 d & e)						2,014,881

These depreciation rates will not change absent the appropriate filing at FERC.

PBOP Expenses

1	Total PBOP expenses	22,856,433
2	Amount relating to retired personnel	8,786,372
3	Amount allocated on FTEs	14,070,061
4	Number of FTEs for Allegheny	4,408
5	Cost per FTE	3,192
6	TRAILCo FTEs (labor not capitalized) current year	0,000
7	TRAILCo PBOP Expense for base year	-
8	TRAILCo PBOP Expense in Account 926 for current year	0
57	PBOP Adjustment for Appendix A, Line 57	-

Lines 1-5 cannot change absent approval or acceptance by FERC in a separate proceeding.

Trans-Allegheny Interstate Line Company

Attachment 5a - Pre-Commercial Costs and CWIP

Step 1 Totals reported below are by project with the amounts to be expensed reported separately from those to be deferred and amortized (note, deferred costs related to 2006 include AFUDC).

For Forecasting purposes, Pre-Commercial expenses will be estimated. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Step 2 For each project, where CWIP is to be recovered in rate base, CWIP will be estimated and the totals reported below by project. For the Reconciliation, for each project where CWIP is to be recovered in rate base the CWIP will be itemized by project below. Additionally, the amount of AFUDC that would have been capitalized for projects where CWIP is included in rate base will be reported in the FERC Form No. 1.

For the Reconciliation, the total additions to plant in service for that year will be summarized by project to demonstrate no Pre-Commercial costs expensed were included in the additions to plant in service and AFUDC on projects where CWIP was recovered in rate base was included in the additions to plant in service. The Pre-commercial expenses are actual expenses incurred for the reconciliation year. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Column A	Column B	Column C	Column D	Column E	Column F	Column G
	Pre-Commercial Costs			CWIP		
Step 1 For Estimate:	Expensed (Estimated)	Deferred	Amount of Deferred Amortized in Year	Average of 13 Monthly Balances		
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-		
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-		
502 Junction - Territorial Line (CWIP)	-	-	-	-		
Total	-	-	-	-		
Step 3 For Reconciliation:	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year	For Reconciliation Step 2 CWIP	AFUDC in CWIP	AFUDC (if CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-	-	-
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	-	-	-
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-	-	-
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	-	-	-
502 Junction - Territorial Line (CWIP)	-	-	-	138,957	-	136,129,170
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...	-	-	-	-	-	-
Total	-	-	-	138,957	-	136,129,170
Total Additions to Plant in Service (sum of the above for each project)						136,129,170
Total Additions to Plant in Service reported on pages 204-207 of the Form No. 1						136,129,170
Difference (must be zero)						

Notes: 1 Small projects may be combined into larger projects where rate treatment is consistent. Pre-Commercial costs benefiting multiple projects will be allocated to projects based on the estimated plant in service of each project.

Allocation of Pre-Commercial Costs	Plant in Service (Estimated 2/12/2008)	Allocation
Prexy - 502 Junction 138 kV (CWIP)	94,140,000	0.10734
Prexy - 502 Junction 500 Kv (CWIP)	121,260,000	0.13827
502 Junction - Territorial Line (CWIP)	661,600,000	0.75439
Total	877,000,000	1.00000

2 Column D is the total CWIP balance including any AFUDC, Column E is the AFUDC if any in Column D, and Column F is the AFUDC that would have been in Column E if CWIP were not recovered in rate base.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)		(H)	(I)
	Mainsburg (In service)	Yeagertown (In service)	Nyawaner (In service)	Farmers Valley Substation (In service)	Farmers Valley (In service)	Doubs SS (In service)	Handsome Lake - Homer City (In service)	North Shenandoah (In service)		
Dec (Prior Year CWP) p216.43										
Jan 2016	Actual	(160,964)	(116,872)	917,779	-	-	-	-	-	-
Feb	Actual	211,102	(4,954)	5,563	-	-	-	-	-	-
Mar	Actual	130,011	1,389	846	-	-	-	-	-	-
Apr	Budget	162,721	(67)	14,068	-	8,571	30,726	7,145	-	-
May	Budget	270,130	-	-	35,128,747	-	-	-	-	1,843,220
Jun	Budget	10,975	-	-	-	-	-	-	-	-
Jul	Budget	10,975	-	-	-	-	-	-	-	-
Aug	Budget	10,975	-	-	-	-	-	-	-	-
Sep	Budget	286,369	-	-	-	-	-	-	-	-
Oct	Budget	47,507	-	-	-	-	-	-	-	-
Nov	Budget	16,594	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-	-
Total		1,102,619	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	1,843,220

Other Projects PIS (Monthly additions)	Month End Balances									
	Mainsburg (In service)	Yeagertown (In service)	Nyawaner (In service)	Farmers Valley Substation (In service)	Farmers Valley (In service)	Doubs SS (In service)	Handsome Lake - Homer City (In service)	North Shenandoah (In service)		
	(160,964)	(116,872)	917,779	-	-	-	-	-	-	-
	50,138	(121,826)	923,342	-	-	-	-	-	-	-
	180,149	(120,437)	924,188	-	-	-	-	-	-	-
	286,373	(120,504)	938,256	-	-	-	-	-	-	-
	449,094	(120,504)	938,256	-	8,571	30,726	7,145	-	-	-
	719,224	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	730,199	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	-
	741,174	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	752,149	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	1,038,518	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	1,086,025	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	1,102,619	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	1,102,619	(120,504)	938,256	35,128,747	8,571	30,726	7,145	-	-	1,843,220
	8,077,322	(1,564,174)	12,147,865	281,029,976	85,709	307,260	71,451	14,745,761		

3 April Year 2 TO add Cap Adds and CWP to plant in service in Formula (Appendix A, Lines 16 and 33) 40,728.46 1,342,579.08 908.13 301,078.99 28,235.68 88,228.36 (40,265.36)

4 May Year 2 Post results of Step 3 on PIM web site

Wyle Ridge (Monthly additions)	Black Oak (Monthly additions)	North Shenandoah (Monthly additions)	Meadowbrook Transformer (Monthly additions)	Bedington Transformer (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Kammer Transformers (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #4 (Monthly additions)	Cabot SS (Monthly Additions)	Hunterstown	Farmers Valley	Harvey Run	Doubs SS	Potter SS (Monthly Additions)	Osage Whiskey (Monthly Additions)	Meadowbrook SS	502 Junction - Tamarae Line additions (Monthly)
\$ 3,107,497	6,225,965.48	359,646.19	1,047,527.46	995,567.78	853,599.53	5,176,521	679,761	621,476	774,015	973,316	6,288,087	240,149	118,426	708,192	276,305	3,483,319	8,667,513	152,047,380
502 Junction Substation	Walton Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Albion SVC	Luzer	Grandpoint & Gullford	Moshannon	Carbon Center	Shawville	Oak Mound	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Greer SS Capacitor
\$ 1,353,302.60	7,965,425.08	3,975,529.66	475,933.65	1,374,926.15	707,251.61	131,149	92,713	5,327,047	172,337	255,710	875,594	81,508	314,652	5,352,283	242,840	101,425	-	117,229
Richwood Hill	Handsome Lake - Homer City	West Union	Rider Sub (West Millford)	Erie South	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub capacitor	Claysburg Ring Bus	Jeffe Sub	Squib Hollow SS	Squib Hollow SVC	Shingtown Capacitor	Nyawaner	Armstrong	Farmers Valley Substation		
\$ 533,659.39	1,840,432.31	128,461.57	4,145,203.22	3,315,729.00	4,928,839.94	67,168	2,734,621	183,251	930,184	323,537	2,523,874	4,249,119	237,385	234,169	2,274,724	2,724,833		
Total Revenue Requirement																		
\$ 252,936,327.88																		

7 April Year 3

Reconciliation - TO calculates Reconciliation by populating the 13 monthly plant balances and beginning and end of year balances for the other rate base items and the 13 monthly averages for CWP in Reconciliation (adjusted to include any Reconciliation amount from prior year).

Dec (Prior Year CWP) p2763.43

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	(In service)	(In service)	(In service)	(In service)	(In service)	Line (monthly additions)	CWP	CWP	CWP
Actual	-	-	-	-	-	-	139,318	-	-
Jan 2016 Actual	-	-	-	-	-	-	(685)	-	-
Feb Actual	-	-	-	-	-	-	(1,053)	-	-
Mar Actual	-	-	-	-	-	-	325	-	-
Apr Actual	-	-	-	-	-	-	837	-	-
May Actual	-	-	-	-	-	-	(1,767)	-	-
Jun Actual	-	-	-	-	-	-	2,605	-	-
Jul Actual	-	-	-	-	-	-	(952)	-	-
Aug Actual	-	-	-	-	-	-	57	-	-
Sep Actual	-	-	-	-	-	-	11	-	-
Oct Actual	-	-	-	-	-	-	483	-	-
Nov Actual	-	-	-	-	-	-	221	-	-
Dec Actual	-	-	-	-	-	-	(444)	-	-
Total	-	-	-	-	-	-	138,957	-	-

Month End Balances			
(Monthly additions)	0	0	0
(In service)	(In service)	(In service)	CWP
-	-	-	139,318
-	-	-	138,633
-	-	-	137,580
-	-	-	137,905
-	-	-	138,743
-	-	-	136,976
-	-	-	139,581
-	-	-	138,628
-	-	-	138,686
-	-	-	138,697
-	-	-	139,180
-	-	-	139,401
-	-	-	138,957
-	-	-	1,802,285
-	-	-	138,637

Result of Formula for Reconciliation

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bodington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Orange-Whiskey	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ 249,362,867.79	269,503.26	948,616.36	753,051.20	606,815.98	662,921.85	5,034,965	831,337	969,904	1,021,051	235,966	6,048,087	3,024,349	148,301,898	3,392,460	2,199,954	235,694	115,451	690,626
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Lucor Capacitor	Grand Point & Gulford SS	Altoona	Blairville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
8,461,740	77,603	1,797,039	90,379	168,070	249,072	5,058,153	464,038	3,891,636	1,322,571	79,581	6,131,150	689,577	940,924	7,981,179	1,343,053	125,246	72,103	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Clayburg King Bus	Squab Hollow SS	Squab Hollow SVC	Shinglestown Capacitor	Nyawahar	Shawville	Oak Mound	Joffre SS	Eric South	Farmers Valley Substation	Richwood Hill	
162,372	3,020,716	5,374,234	211,317	3,046,900	194,454	119,889	1,086,641	2,610,525	4,701,971	256,614	122,270	323,545	4,621,700	224,938	4,207,220	3,366,022	1,425,775	

8 April Year 3

Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Step 5 with interest to the result of Step 7 (this difference is also added to Step 7 in the subsequent year)

The Reconciliation in Step 8		The forecast in Prior Year		-		(3,573,460)		-Note: for the first rate year, divide this reconciliation amount by 12 and multiply by the number of months and fractional months the rate was in effect.	
299,362,888		252,936,328							
Interest on Amount of Refunds or Surcharges		0.2900%							
Interest 35.1% for March Current Yr		1/12 of Step 9		Interest 35.1% for March Current Yr		Months		Interest	
Month	Yr								Surcharge (Refund) Owed
Jun	Year 1	(297,788)	0.2900%	11.5	(9,931)				(307,720)
Jul	Year 1	(297,788)	0.2900%	10.5	(9,068)				(306,856)
Aug	Year 1	(297,788)	0.2900%	9.5	(8,204)				(305,992)
Sep	Year 1	(297,788)	0.2900%	8.5	(7,340)				(305,129)
Oct	Year 1	(297,788)	0.2900%	7.5	(6,477)				(304,265)
Nov	Year 1	(297,788)	0.2900%	6.5	(5,613)				(303,402)
Dec	Year 1	(297,788)	0.2900%	5.5	(4,750)				(302,538)
Jan	Year 2	(297,788)	0.2900%	4.5	(3,886)				(301,674)
Feb	Year 2	(297,788)	0.2900%	3.5	(3,023)				(300,811)
Mar	Year 2	(297,788)	0.2900%	2.5	(2,159)				(299,947)
Apr	Year 2	(297,788)	0.2900%	1.5	(1,295)				(299,084)
May	Year 2	(297,788)	0.2900%	0.5	(432)				(298,220)
Total		(3,573,460)							(3,635,638)
		Balance		Interest		Amort		Balance	
Jun	Year 2	(3,635,638)	0.2900%	(308,711)	(3,337,470)				
Jul	Year 2	(3,337,470)	0.2900%	(308,711)	(3,038,438)				
Aug	Year 2	(3,038,438)	0.2900%	(308,711)	(2,738,538)				
Sep	Year 2	(2,738,538)	0.2900%	(308,711)	(2,437,769)				
Oct	Year 2	(2,437,769)	0.2900%	(308,711)	(2,136,127)				
Nov	Year 2	(2,136,127)	0.2900%	(308,711)	(1,833,611)				
Dec	Year 2	(1,833,611)	0.2900%	(308,711)	(1,530,217)				
Jan	Year 3	(1,530,217)	0.2900%	(308,711)	(1,225,944)				
Feb	Year 3	(1,225,944)	0.2900%	(308,711)	(920,788)				
Mar	Year 3	(920,788)	0.2900%	(308,711)	(614,747)				
Apr	Year 3	(614,747)	0.2900%	(308,711)	(307,818)				
May	Year 3	(307,818)	0.2900%	(308,711)	(0)				
Total with interest					(3,704,534)				
The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest				(3,704,534)		Input to Appendix A, Line 147			
Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)				\$ 276,330,903					
Revenue Requirement for Year 3				272,626,369					

Reconciliation Amount by Project																		
Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedding Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage-Wheley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ (3,704,534)	(7,051)	(25,606)	(21,732)	(15,198)	(17,457)	(146,748)	(23,080)	(26,605)	(27,448)	(128,217)	(184,424)	(86,198)	(3,882,866)	(94,192)	(77,513)	(4,618)	(3,084)	(18,210)
Meadowbrook SS	Bullfinch Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Albion	Blairville	Conemaugh Transformer	502 Junction - Substation	Calron Center	Hunkerdown	Johnston	Moshannon	Wilds Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
(213,321)	(24,696)	(44,984)	(2,420)	(4,423)	(6,882)	(278,757)	(12,332)	(86,971)	(31,859)	(1,998)	(162,694)	(18,323)	67,727	16,332	(33,043)	(3,333)	5,116	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnston Sub Capacitor	Grover SS	Clayburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nysawar	Shaville	Oak Mound	Joffre SS	Eric South	Farmers Valley Substation	Richwood Hill	
32,369	(1,165,733)	461,731	(32,680)	323,733	11,613	2,757	162,196	89,829	469,463	19,934	(116,003)	9,220	(757,380)	(102,215)	924,191	664,708	924,839	

9 May Year 3

Post results of Step 8 on PJM web site
\$ 272,626,369

10 June Year 3

Results of Step 8 go into effect
\$ 272,626,369

Trans-Allegheny Interstate Line Company
Attachment 7 - Transmission Enhancement Charge Worksheet

Revenue Requirement By Project

Fixed Charge Rate (FCR) if not a CIAC		
	Formula Line	
A	137	FCR without Depreciation and Pre-Commercial Costs
B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial
C		Low B less Line A
FCR if a CIAC		
D	138	FCR without Depreciation, Omitting the Incentive Taxes

The FCR resulting from Formula is a chosen year is used for that year only.
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years

	PJM Upgrade ID: 46328.1, 46328.2, 46347.1, 46347.2, 46347.3, 46347.4				PJM Upgrade ID: 46218				PJM Upgrade ID: 46216							
10	850 Junction - Huntington Line (7500' - Plant in Service)				Wallo Ridge Transmission (Plant in Service)				Black Fork (50%) Dynamic Reuse (Plant in Service)							
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes"				"Yes"							
12	Schedule 12 (Yes or No)				Yes				Yes							
13	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"				No				No							
14	Input the allowed ROE				12.00%				12.00%							
15	From line 3, adjust if "No" on line 12 and From line 7 above if "Yes" on line 13				12.2786%				12.2786%							
16	If line 15 equals 12.7%, then line 4. If line 15 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				13.1429%				13.1429%							
17	Forecast - End of prior year net plant plus current year forecast of CWP or Cap Add, reconciliation - Average of 15 month prior year net plant balances plus prior year 15-mo CWP balances.				Investment: 651,957,174				Investment: 19,442,001				Investment: 34,724,033			
18	Annual Depreciation Exclusion Adjustment: 21,319,130				630,638				1,322,544							
19	Reconciliation Amount				Reconciliation Amount				Reconciliation Amount				Reconciliation Amount			
20	See Calculations for each item below				See Calculations for each item below				See Calculations for each item below				See Calculations for each item below			

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial expense on Attachment 6a for each project expensed in year and amortized in year.
 Revenues is equal to the "Revenues" (minus FCR) less "Reconciliation" less "Pre-Commercial Exp" plus prior year "Reconciliation amount".
 "Reconciliation Amount" is created in the reconciliation in Attachment 6 and included in the forecasted revenue requirement.

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PJM Upgrade ID: 16221				PJM Upgrade ID: 16220				PJM Upgrade ID: 16222			
North Chesapeake Transformer (Plant in Service)				Middlebrook Transformer (Plant in Service)				Baltimore Transformer (Plant in Service)			
Yes				Yes				Yes			
11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"				11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"				11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"			
12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"			
13 Input the allowed ROE				13 Input the allowed ROE				13 Input the allowed ROE			
14 From line 3 above, if "No" on line 12 and from line 7 above, if "Yes" on line 12				14 From line 3 above, if "No" on line 12 and from line 7 above, if "Yes" on line 12				14 From line 3 above, if "No" on line 12 and from line 7 above, if "Yes" on line 12			
15 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				15 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				15 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7			
16 Forecast - Cost of prior year net plant plus current year forecast of CWP or Cap Add.				16 Forecast - Cost of prior year net plant plus current year forecast of CWP or Cap Add.				16 Forecast - Cost of prior year net plant plus current year forecast of CWP or Cap Add.			
17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.				17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.				17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.			
Annual Depreciation Exp from Attachment 9				Annual Depreciation Exp from Attachment 9				Annual Depreciation Exp from Attachment 9			
Reconciliation				Reconciliation				Reconciliation			
Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue	Return	Depreciation	Amount	Revenue
206,547.26	32,779.02	173,768.24	164,129.14	634,595.28	165,863.84	468,731.44	477,309.05	799,802.52	162,194.28	637,608.24	625,102.77
206,547.26	32,779.02	173,768.24	164,129.14	634,595.28	165,863.84	468,731.44	477,309.05	799,802.52	162,194.28	637,608.24	625,102.77

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of one-comm
 Revenue is equal to the "Return" treatment times FCR. I
 "Reconciliation Amount" is created in the reconciliation in AEs

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	PJM Upgrade ID: 10559				PJM Upgrade ID: 10495				PJM Upgrade ID: 10343				PJM Upgrade ID: 10544			
	Mastheadrock Capacity (Plant in Service)				Karnar Transformer (Plant in Service)				Double Replace Transformer #2				Double Replace Transformer #3			
	Yes				No				Yes				No			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"			
12	Input the allowed ROE				Input the allowed ROE				Input the allowed ROE				Input the allowed ROE			
13	From line 3, above if "No" on line 12 and From line 7, above if "Yes" on line 12. If line 13 equals 12.2%, then line 4, if line 13 equals 11.3%, then line 5, and if line 12 is "Yes" then line 7				From line 3, above if "No" on line 12 and From line 7, above if "Yes" on line 12. If line 13 equals 12.2%, then line 4, if line 13 equals 11.3%, then line 5, and if line 12 is "Yes" then line 7				From line 3, above if "No" on line 12 and From line 7, above if "Yes" on line 12. If line 13 equals 12.2%, then line 4, if line 13 equals 11.3%, then line 5, and if line 12 is "Yes" then line 7				From line 3, above if "No" on line 12 and From line 7, above if "Yes" on line 12. If line 13 equals 12.2%, then line 4, if line 13 equals 11.3%, then line 5, and if line 12 is "Yes" then line 7			
14	Forecast - End of prior year net plant cost current year forecast of CWP or Cap Ex.				Forecast - End of prior year net plant cost current year forecast of CWP or Cap Ex.				Forecast - End of prior year net plant cost current year forecast of CWP or Cap Ex.				Forecast - End of prior year net plant cost current year forecast of CWP or Cap Ex.			
15	Reconciliation - Average of 13 month prior year net plant balances plus prior year 13mo CWP balances.				Reconciliation - Average of 13 month prior year net plant balances plus prior year 13mo CWP balances.				Reconciliation - Average of 13 month prior year net plant balances plus prior year 13mo CWP balances.				Reconciliation - Average of 13 month prior year net plant balances plus prior year 13mo CWP balances.			
16	Annual Depreciated Cap Exm Adjustment 5				Annual Depreciated Cap Exm Adjustment 5				Annual Depreciated Cap Exm Adjustment 5				Annual Depreciated Cap Exm Adjustment 5			
17	Reconciliation Amount				Reconciliation Amount				Reconciliation Amount				Reconciliation Amount			
18	Return	Depreciation	Reconciliation Amount	Reconciliation	Return	Depreciation	Reconciliation Amount	Reconciliation	Return	Depreciation	Reconciliation Amount	Reconciliation	Return	Depreciation	Reconciliation Amount	Reconciliation
19	822,377.14	145,882.04	21,079.54	794,274.64	4,118,026.45	811,081.01	144,746.026	4,882,279.44	558,591.44	94,899.48	117,457.248	438,524.86	576,844.22	82,141.22	115,148.193	542,747.19
20	822,377.14	145,882.04	21,079.54	794,274.64	4,118,026.45	811,081.01	144,746.026	4,882,279.44	558,591.44	94,899.48	117,457.248	438,524.86	576,844.22	82,141.22	115,148.193	542,747.19

For Plant in Service
 Pre-Commercial Ex is equal to the amount of pre-comme
 Revenue is equal to the "Total" Investment times FCR
 Reconciliation Amount is created in the reconciliation P.Ats

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10 "Yes" if a project under PJM OATT Schedule 12,
 11 otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in the
 13 amount of the investment on line 20. Otherwise "No"
 14 Input the allowed ROE
 15 From line 3 above if "No" on line 12 and From line 7 above
 16 if "Yes" on line 12
 17 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%,
 18 then line 3, and if line 12 is "Yes" then line 7
 19 Forecast - End of prior year net asset plus current year
 20 forecast of CWP or Cap. Add.
 Reconciliation - Average of 15 month prior year net plant
 balances plus prior year 15-mo CWP balances.
 Annual Depreciation Calc from Attachment 5

PJM Upgrade ID: 16745	PJM Upgrade ID: 16794	PJM Upgrade ID: 17341	PJM Upgrade ID: 16763																																																																
Deuba Replace Transformer #4	Calder SS - Install Autotransformer	Amersfoort	Farmers Valley Capacitor																																																																
Yes	Yes	Yes	Yes																																																																
No	No	No	No																																																																
11.70%	11.70%	11.70%	11.70%																																																																
12.2786%	12.2786%	12.2786%	12.2786%																																																																
12.2786%	12.2786%	12.2786%	12.2786%																																																																
4,804,513	6,388,137	14,762,441	1,742,380																																																																
149,670	149,670	333,684	19,491																																																																
<table border="1"> <thead> <tr> <th colspan="4">Reconciliation</th> </tr> <tr> <th>Return</th> <th>Depreciation</th> <th>Amount</th> <th>Revenue</th> </tr> </thead> <tbody> <tr> <td>589,427.72</td> <td>149,570.04</td> <td>21,122.31</td> <td>717,365.46</td> </tr> <tr> <td>589,427.72</td> <td>149,570.04</td> <td>21,122.31</td> <td>717,365.46</td> </tr> </tbody> </table>	Reconciliation				Return	Depreciation	Amount	Revenue	589,427.72	149,570.04	21,122.31	717,365.46	589,427.72	149,570.04	21,122.31	717,365.46	<table border="1"> <thead> <tr> <th colspan="4">Reconciliation</th> </tr> <tr> <th>Return</th> <th>Depreciation</th> <th>Amount</th> <th>Revenue</th> </tr> </thead> <tbody> <tr> <td>784,129.21</td> <td>149,520.00</td> <td>25,426.80</td> <td>958,445.81</td> </tr> <tr> <td>784,129.21</td> <td>149,520.00</td> <td>25,426.80</td> <td>958,445.81</td> </tr> </tbody> </table>	Reconciliation				Return	Depreciation	Amount	Revenue	784,129.21	149,520.00	25,426.80	958,445.81	784,129.21	149,520.00	25,426.80	958,445.81	<table border="1"> <thead> <tr> <th colspan="4">Reconciliation</th> </tr> <tr> <th>Return</th> <th>Depreciation</th> <th>Amount</th> <th>Revenue</th> </tr> </thead> <tbody> <tr> <td>1,815,070.06</td> <td>333,463.70</td> <td>171,512.80</td> <td>2,077,946.46</td> </tr> <tr> <td>1,815,070.06</td> <td>333,463.70</td> <td>171,512.80</td> <td>2,077,946.46</td> </tr> </tbody> </table>	Reconciliation				Return	Depreciation	Amount	Revenue	1,815,070.06	333,463.70	171,512.80	2,077,946.46	1,815,070.06	333,463.70	171,512.80	2,077,946.46	<table border="1"> <thead> <tr> <th colspan="4">Reconciliation</th> </tr> <tr> <th>Return</th> <th>Depreciation</th> <th>Amount</th> <th>Revenue</th> </tr> </thead> <tbody> <tr> <td>211,964.67</td> <td>19,490.68</td> <td>16,618.32</td> <td>228,037.00</td> </tr> <tr> <td>211,964.67</td> <td>19,490.68</td> <td>16,618.32</td> <td>228,037.00</td> </tr> </tbody> </table>	Reconciliation				Return	Depreciation	Amount	Revenue	211,964.67	19,490.68	16,618.32	228,037.00	211,964.67	19,490.68	16,618.32	228,037.00
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For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial
 expense less equal to the "Recovery" investment times FCR 1
 "Reconciliation Amount" is created in the reconciliation in AS

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PJM Upgrade ID: 40564	PJM Upgrade ID: 41803	PJM Upgrade ID: 41243	PJM Upgrade ID: 40274, 40223, 40223.3																																																						
Henry Run Capacitor	Arden 55	Arden 55	Orange Meadows																																																						
Yes	Yes	Yes	Yes																																																						
11.70%	11.70%	11.70%	11.70%																																																						
12.2766%	12.2766%	12.2766%	12.2766%																																																						
12.2766%	12.2766%	12.2766%	12.2766%																																																						
763,415	4,696,222	1,881,262	22,535,454																																																						
12.47%	100.22%	14.30%	949,979																																																						
<table border="1"> <thead> <tr> <th>Return</th> <th>Depreciation</th> <th>Reconciliation Amount</th> <th>Reversal</th> </tr> </thead> <tbody> <tr> <td>6,102.49</td> <td>17,426.20</td> <td>(1,083,547)</td> <td>110,545.14</td> </tr> <tr> <td>6,102.49</td> <td>17,426.20</td> <td>(1,083,547)</td> <td>110,545.14</td> </tr> </tbody> </table>	Return	Depreciation	Reconciliation Amount	Reversal	6,102.49	17,426.20	(1,083,547)	110,545.14	6,102.49	17,426.20	(1,083,547)	110,545.14	<table border="1"> <thead> <tr> <th>Return</th> <th>Depreciation</th> <th>Reconciliation Amount</th> <th>Reversal</th> </tr> </thead> <tbody> <tr> <td>376,631.04</td> <td>304,222.36</td> <td>718,209.83</td> <td>662,641.52</td> </tr> <tr> <td>376,631.04</td> <td>304,222.36</td> <td>718,209.83</td> <td>662,641.52</td> </tr> </tbody> </table>	Return	Depreciation	Reconciliation Amount	Reversal	376,631.04	304,222.36	718,209.83	662,641.52	376,631.04	304,222.36	718,209.83	662,641.52	<table border="1"> <thead> <tr> <th>Return</th> <th>Depreciation</th> <th>Pre-Commercial Exp</th> <th>Reconciliation Amount</th> <th>Reversal</th> </tr> </thead> <tbody> <tr> <td>221,230</td> <td>24,391</td> <td>0</td> <td>(7,621)</td> <td>268,178.64</td> </tr> <tr> <td>221,230</td> <td>24,391</td> <td>0</td> <td>(7,621)</td> <td>268,178.64</td> </tr> </tbody> </table>	Return	Depreciation	Pre-Commercial Exp	Reconciliation Amount	Reversal	221,230	24,391	0	(7,621)	268,178.64	221,230	24,391	0	(7,621)	268,178.64	<table border="1"> <thead> <tr> <th>Return</th> <th>Depreciation</th> <th>Pre-Commercial Exp</th> <th>Reconciliation amount</th> <th>Reversal</th> </tr> </thead> <tbody> <tr> <td>2,767,045</td> <td>549,979</td> <td>0</td> <td>(64,102)</td> <td>3,281,823.36</td> </tr> <tr> <td>2,767,045</td> <td>549,979</td> <td>0</td> <td>(64,102)</td> <td>3,281,823.36</td> </tr> </tbody> </table>	Return	Depreciation	Pre-Commercial Exp	Reconciliation amount	Reversal	2,767,045	549,979	0	(64,102)	3,281,823.36	2,767,045	549,979	0	(64,102)	3,281,823.36
Return	Depreciation	Reconciliation Amount	Reversal																																																						
6,102.49	17,426.20	(1,083,547)	110,545.14																																																						
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2,767,045	549,979	0	(64,102)	3,281,823.36																																																					

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial
 Reversal is equal to the "Reversal" Treatment Item F(2).
 "Reconciliation Amount" is created in the reconciliation in ARI

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 11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 25. Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above "No" on line 12 and From line 7 above if "Yes" for line 12. 7%
 15 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 5. and if line 12 is "Yes" then line 7
 16 Forecast - End of prior year net plant cost current year forecast of CWP or Cap Assets.
 17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.
 18 Annual Depreciated Cap Ex Investment 3

	PJM Upgrade ID: h1800, h1804				PJM Upgrade ID: h1890				PJM Upgrade ID: h2433.1, h2433.2, h2433.3				PJM Upgrade ID: h1155			
	Manufacture OS				Hydrocarbon				Water Run OS				Compress			
11	Yes				Yes				Yes				Yes			
12	No				No				No				No			
13	11.30%				11.30%				11.30%				11.30%			
14	12.2766%				12.2766%				12.2766%				12.2766%			
15	12.2766%				12.2766%				12.2766%				12.2766%			
16	57,828,871				41,652,010				51,968,815				25,962,296			
17	2,374,499				602,460				1,425,323				445,198			
18	Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount			
19	Return	Depreciation	Revenue	Reconciliation	Return	Depreciation	Revenue	Reconciliation	Return	Depreciation	Revenue	Reconciliation	Return	Depreciation	Revenue	Reconciliation
20	7,100,585	1,274,893	(213,121)	8,162,357	5,114,200	922,443	(162,694)	5,953,949	4,599,577	1,425,323	16,132	7,811,232	3,187,809	442,364	(86,070)	3,742,103
21	7,100,585	1,274,893	(213,121)	8,162,357	5,114,200	922,443	(162,694)	5,953,949	4,599,577	1,425,323	16,132	7,811,232	3,187,809	442,364	(86,070)	3,742,103

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-comm
 Revenue is equal to the "Revenue" Investment from FCR
 Reconciliation Amount is created in the reconciliation in Abs

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 11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 25. Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above "No" on line 12 and From line 7 above if "Yes" for line 12. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7
 15 If line 13 equals 12.2%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7
 16 Forecast - End of prior year net plant cost current year forecast of CWP or Cap Assets
 17 reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.
 Annual Depreciation Cap Asset Adjustment 5

	PJM Upgrade ID: 61987				PJM Upgrade ID: 61989, 61789				PJM Upgrade ID: 61945				PJM Upgrade ID: 61610			
	Baltimore 65				Ft. Mill 67				Kennesaw 65 plant sites				Washburn			
11	Yes				Yes				Yes				Yes			
12	No				No				No				No			
13	11.30%				11.30%				11.30%				11.30%			
14	12.286%				12.286%				12.286%				12.286%			
15	12.286%				12.286%				12.286%				12.286%			
16	12.286%				12.286%				12.286%				12.286%			
17	3,151,917				9,276,894				4,684,288				1,107,997			
	46,689				176,712				303,296				23,837			
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	381,012	69,881	(12,132)	448,561	1,139,320	191,713	(31,628)	1,269,992	375,166	83,796	(18,329)	466,633	136,647	23,837	(2,349)	162,221
20	381,012	69,881	(12,132)	448,561	1,139,320	191,713	(31,628)	1,269,992	375,166	83,796	(18,329)	466,633	136,647	23,837	(2,349)	162,221

For Plant in Service
 Pre-Commercial EIR is equal to the amount of pre-concrete
 Revenue is equal to the "Recovery" Investment* times FCR*
 Reconciliation Amount is created in the reconciliation in Abs

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 11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
 12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
 15 If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 13 is "Yes" then line 7
 16 Forecast - End of prior year net debt plus current year forecast of OWP or Cap Add.
 17 reconciliation - Average of 15 month prior year net plant balances plus prior year 15-mo OWP balances.
 Annual Depreciation Exclusion Amounts 5

PJM Upgrade ID: 01090				PJM Upgrade ID: 01091				PJM Upgrade ID: 01095				PJM Upgrade ID: 01039											
Cranberry Capacitor				Altoona VVO				Luzon				Grant Point & Gufford											
Yes				Yes				Yes				Yes											
No				No				No				No											
11.70%				11.70%				11.70%				11.70%											
12.2786%				12.2786%				12.2786%				12.2786%											
12.2786%				12.2786%				12.2786%				12.2786%											
632,140				34,302,933				1,141,293				1,685,214											
13,894				302,389				26,345				31,549											
Return		Depreciation		Reconciliation amount		Revenue		Return		Depreciation		Reconciliation amount		Revenue		Return		Depreciation		Reconciliation amount		Revenue	
75.30	13.814	0.428	88,056.17	4,292,292	761,388	278,727	4,708,815.58	140.15	25.345	14.428	567,822.03	207,044	37,549	6,882	237,738.12	75.30	13.814	0.428	88,056.17	4,292,292	761,388	278,727	4,708,815.58

18 For Plant in Service
 19 "Pre-Commercial End" is equal to the amount of pre-commercial
 20 Reconciliation is equal to the "Reconciliation Amount" times FCR.
 21 "Reconciliation Amount" is created in the reconciliation in A5.

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	PJM Upgrade ID: 61964				PJM Upgrade ID: 61972				PJM Upgrade ID: 61998				PJM Upgrade ID: 61999, 62002				PJM Upgrade ID: 62042			
	Methuener				Canton Center				Brewster				Northwood				Whisper Hill Sub			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"																			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 23. Otherwise "No"																			
13	input the allowed ROE																			
14	From line 3 above if "No" on line 12 and from line 7 above if "Yes" on line 12																			
15	If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 5, and if line 13 is "Yes" then line 7																			
16	Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Add.																			
17	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.																			
	140,020				540,771				2,200,746				0				1,429,350			
	140,020				11,865				4,036				0				33,150			
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	879,446	148,020	43,227	1,067,271.65	44,309	11,958	61,968	76,359.12	270,225	41,506	9,220	327,036.82	0	0	0	0.00	175,173	33,150	(32,480)	174,843.15
20	879,446	148,020	43,227	1,067,271.65	44,309	11,958	61,968	76,359.12	270,225	41,506	9,220	327,036.82	0	0	0	0.00	175,173	33,150	(32,480)	174,843.15

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-commercial
 Revenue is equal to the "Return" Treatment times FCR.
 Reconciliation Amount is created in the reconciliation in AIs

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	PJM Upgrade ID: 61779				PJM Upgrade ID: 62748				PJM Upgrade ID: 66556				PJM Upgrade ID: 61021.1				PJM Upgrade ID: 61941			
	Buffett Street				Pleasantville Cigarator				Glover St Cigarator				800 Junction Substation				Washington Lane, Hermit City			
11	*Yes* if a project under PJM OATT Schedule 12, otherwise "No"																			
12	*Yes* if the customer has paid a lump sum payment in the amount of the investment on the 25. Otherwise "No"																			
13	input the allowed ROE																			
14	From line 3 above if "No" on line 12 and from line 7 above if "Yes" on line 12																			
15	If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 5, and if line 13 is "Yes" then line 7																			
16	Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Add.																			
17	Reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.																			
	Annual Depreciation per Attachment 5																			
	Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount			
	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue
18	51.174	11.727	(24,490)	38,254.64	0	0	0	0.00	107,223	11,307	2,707	127,266.31	1,182,255	134,669	81,650	1,274,414.99	1,499,277	279,678	644,694	1,274,151.02
19	51.174	11.727	(24,490)	38,254.64	0	0	0	0.00	107,223	11,307	2,707	127,266.31	1,182,255	134,669	81,650	1,274,414.99	1,499,277	279,678	644,694	1,274,151.02
20	See Calculations for each item below																			

For Plant In Service
 Pre-Commercial Ex is equal to the amount of pre-commercial
 Revenue is equal to the "Return" *Pre-commercial Ex* times FCR 1
 Reconciliation Amount is created in the reconciliation in A5

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	PJM Upgrade ID: h2343				PJM Upgrade ID: h1948				PJM Upgrade ID: h2255				PJM Upgrade ID: h2266			
	Westwood				Bridle Gap (New 66kV)				Monocacy 65				Baltimore 65 Capacitor			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				No				No				No			
13	Input the allowed ROE				11.30%				11.30%				11.30%			
14	From line 5 above if "No" on line 12 and From line 7 above if "Yes" on line 13				12.2786%				12.2786%				12.2786%			
15	If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				12.2786%				12.2786%				12.2786%			
16	Forecast - End of prior year net debt plus current year forecast of OWP or Cap Add.				18,790,190				37,331,440				495,514			
17	reconciliation - Average of 15 month prior year net plant balances plus prior year 15-mo OWP balances.				462,899				379,625				10,607			
18	Annual Depreciation Exclusion Adjustment 5															
19	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
20	104,409	18,717	0,333	119,902.18	2,588,158	446,009	(1,145,722)	1,887,524.51	4,581,794	796,025	481,201	5,861,519.62	40,156	10,607	5,116	25,829.45
	109,490	18,717	(1,333)	119,902.18	2,738,158	446,009	(1,145,722)	1,887,524.51	4,581,794	796,025	481,201	5,861,519.62	40,156	10,607	5,116	25,829.45

For Plant in Service
 The Commercial End is equal to the amount of pre-commercial
 Revenue is equal to the "Netant" Investment times FCR.
 Reconciliation Amount is created in the reconciliation in AEs.

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	PJM Upgrade ID: 41882 & 41888				PJM Upgrade ID: 42555				PJM Upgrade ID: 42543				PJM Upgrade ID: 42376				PJM Upgrade ID: 42364 & 42364.1			
	Marathon US				Johnson & Johnson				Cherokee Area Bus				Crowsmouth Capacity				Sigsbee Hub US			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"																			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 12. Otherwise "No"																			
13	input the allowed ROE																			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12																			
15	If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 5, and if line 12 is "Yes" then line 7																			
16	Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Add.																			
17	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.																			
	22,699,277				1,337,464				7,476,953				0				18,074,213			
	413,153				28,734				148,524				0				351,495			
	Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount			
18	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue	Return	Depreciation	Revenue	Revenue
19	2,787,157	413,157	328,733	3,524,041.39	143,011	28,724	114,113	203,148.58	918,062	148,524	142,106	1,242,786.11	0	0	0	0.00	2,219,243	351,492	89,829	2,660,994.26
20	2,787,157	413,157	328,733	3,524,041.39	143,011	28,724	114,113	203,148.58	918,062	148,524	142,106	1,242,786.11	0	0	0	0.00	2,219,243	351,492	89,829	2,660,994.26

For Plant In Service
 *Pre-Commercial Exe" is equal to the amount of pre-commercial
 Revenue is equal to the "Return" / "Investment" times FCR. 1
 *Reconciliation Amount" is created in the reconciliation in AIs

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	PJM Upgrade ID: b2542 & b2532.1				PJM Upgrade ID: b2556				PJM Upgrade ID: b2546				PJM Upgrade ID: b2545				PJM Upgrade ID: b2541				PJM Upgrade ID: b2547, b2547.1, b2547.2			
	Squibb Harbor WFO				Wingover/Lepreux				Newcastle				Riverswood Hill				Erie South				Lafayette			
11	Yes				Yes				Yes				Yes				Yes				Yes			
12	No				No				No				No				No				No			
13	11.30%				11.30%				11.30%				11.30%				11.30%				11.30%			
14	12.2786%				12.2786%				12.2786%				12.2786%				12.2786%				12.2786%			
15	12.2786%				12.2786%				12.2786%				12.2786%				12.2786%				12.2786%			
16	30,130,901				1,640,965				955,989				90,894,383				45,635,688				48,796,203			
17	900,299				46,266				6,594				107,643				871,639				74,446			
18	Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation			
19	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue
20	1,049,649	922,260	669,443	5,589,423.13	207,876	44,268	19,014	272,879.24	112,470	8,164	116,003	4,641.92	11,160,572	187,647	624,639	12,273,077.33	5,003,115	877,619	824,190	7,361,946.45	6,991,498	24,446	1,022,250	5,913,246.44

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-concrete
 Revenue is equal to the "Recovery" Investment times FCR
 Reconciliation Amount is created in the reconciliation in AEs

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	PJM Upgrade ID: 62475				PJM Upgrade ID: 61991				PJM Upgrade ID: 62261				PJM Upgrade ID: 62664				PJM Upgrade ID: 61041																							
	Capex Amount								Farmers Valley Substation								Damascus Substation								Warren Substation								Joffe Substation #1041							
10	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"																																							
11	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"																																							
12	Input the allowed ROE																																							
13	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12																																							
14	If line 13 equals 12.7%, then line 4. If line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7																																							
15	Forecast - End of prior year net plant plus current year forecast of CWP or Cap Add																																							
16	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances																																							
17	Annual Depreciation Capex from line above 5																																							
18	Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount				Reconciliation amount				Total	Income Charge	Revenue Credit													
19	Return	Depreciation	Revenue	Reconciliation amount	Return	Depreciation	Revenue	Reconciliation amount	Return	Depreciation	Revenue	Reconciliation amount	Return	Depreciation	Revenue	Reconciliation amount	Return	Depreciation	Revenue	Reconciliation amount	Return	Depreciation	Revenue	Reconciliation amount	Total	Income Charge	Revenue Credit													
20	12,568,889	658,912	12,509,471.92	4,372,932	586,627	664,708	5,844,297.69	44,221	0	0	44,220.87	1,475,529	0	0	1,475,529.36	5,208	0	0	5,207.64	0	0	0	0	0	0	0	0	0	264,086,134.63	264,086,134.63										
	12,568,889	658,912	12,509,471.92	4,372,932	586,627	664,708	5,844,297.69	44,221	0	0	44,220.87	1,475,529	0	0	1,475,529.36	5,208	0	0	5,207.64	0	0	0	0	0	0	0	0	0	271,426,369.61	271,426,369.61										

For Plant in Service
 "The Commercial Exp" is equal to the amount of one minus Revenue is equal to the "Return" of investment times FC201
 "Reconciliation Amount" is created in the reconciliation in A5

53,528,234.18
 At A Line 148

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment 8, page 1, Table 1 and 2
Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up

TABLE 1: Summary Cost of Long Term Debt

CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2017

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Issue Date	Maturity Date	ORIGINAL ISSUANCE	Net Proceeds At Issuance	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year** z'	Weighted Outstanding Rates	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (N) * (j)
Long Term Debt (12/31/2017										
First Mortgage Bonds:										
(1)	12/11/2014	6/1/2025	\$ 550,000,000	\$ 545,247,429	\$ 546,627,551	12	\$ 546,627,550.68	88.00%	3.95%	3.48%
(2)	10/16/2015	5/30/2025	\$ 75,000,000	\$ 74,437,847	\$ 74,565,004	12	\$ 74,565,004.05	12.004%	3.85%	0.46%
			<u>\$ 625,000,000</u>		<u>\$ 621,192,555</u>		<u>\$ 621,192,555</u>	<u>100.000%</u>		<u>3.94%</u>
										<u>**</u>

t = time
The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.
* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).
Interest (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.23%).
** This Total Weighted Average Debt Cost will be shown on Line 101 of formula rate Appendix A.

TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:

YEAR ENDED 12/31/2017

	(aa)	(bb)	(cc)	(dd) (Discount) Premium at Issuance	(ee) Issuance Expense	(ff) Loss/Gain on Rescoured Debt	(gg) Less Related ADIT (Attachment 1)	(hh) Net Proceeds	(ii) Net Proceeds Ratio	(jj) Coupon Rate	(kk) Annual Interest	(ll) Effective Cost Rate (Yield to Maturity at Issuance, t = 0)
(1)	3.85%, Senior Unsecured No	12/11/2014	\$ 550,000,000	\$ (418,000)	4,334,571	-	xxx	\$ 545,247,429	99.1359	0.03850	\$ 21,175,000	3.95%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	75,000,000		<u>59,353</u>			\$ 74,437,847	99.2502	0.0376	\$ 2,820,000	3.85%
			<u>\$ 625,000,000</u>	<u>(418,000)</u>	<u>\$ 4,896,924</u>	<u>-</u>	<u>xxx</u>	<u>\$ 619,685,076</u>			<u>\$ 23,995,000</u>	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation.
Effective Cost Rate of Individual Debenture (YTM at issuance): the IFO Cashflow C_t equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C_{1/2}, C_{3/4}, etc.).

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TRAILCo anticipates its financing will be a 7 year loan, where by TRAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TRAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TRAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	7,780,954
Origination Fees	15,125
Addition Origination Fees	
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing
Revolving Credit Commitment Fee	0.005	0.0050
		0.0037

After borrowing is at the midpoint (\$275,000)

2/9/2011	Q1	(95,000,000)	705,000,000	789,154,923	797,767.78		(95,797,768)	-	(797,768)
2/9/2011	Q1	115,000,000	820,000,000	693,357,156			115,000,000	-	-
2/14/2011	Q1	(140,000,000)	680,000,000	808,357,156	1,201,215.56		(141,201,216)	528,453	(672,763)
2/14/2011	Q1	140,000,000	820,000,000	667,684,393			140,000,000	-	-
2/16/2011	Q1		820,000,000	807,684,393		3,098.63	(3,099)	211,164	211,164
4/1/2011	Q2	-	820,000,000	807,892,458			97,777.78	(97,778)	4,659,577
4/14/2011	Q2	10,000,000	830,000,000	812,454,257			10,000,000	1,381,663	1,381,663
4/26/2011	Q2	(115,000,000)	715,000,000	823,835,920	949,900.00		(115,949,900)	1,293,164	343,264
4/26/2011	Q2	115,000,000	830,000,000	709,179,184			115,000,000	-	-
5/9/2011	Q2	(115,000,000)	715,000,000	824,179,184	941,620.00		(115,941,620)	1,401,603	459,983
5/9/2011	Q2	140,000,000	575,000,000	709,639,166	1,081,920.00		(141,081,920)	-	(1,081,920)
5/9/2011	Q2	(10,000,000)	565,000,000	568,557,246	22,375.00		(10,022,375)	-	(22,375)
5/9/2011	Q2	235,000,000	800,000,000	558,534,871			235,000,000	-	-
5/16/2011	Q2	(235,000,000)	565,000,000	793,534,871	145,034.17		(235,145,034)	726,363	581,329
5/16/2011	Q2	235,000,000	800,000,000	559,116,200			235,000,000	-	-
5/23/2011	Q2	(235,000,000)	565,000,000	794,116,200	144,805.69		(235,144,806)	726,895	582,089
5/23/2011	Q2	50,000,000	615,000,000	559,698,289			50,000,000	-	-
5/26/2011	Q2	(115,000,000)	500,000,000	609,698,289	307,912.50	233,657	(115,541,569)	239,118	(68,795)
6/23/2011	Q2	(50,000,000)	450,000,000	494,395,838	88,994.45		(50,088,994)	1,812,670	1,723,675
6/23/2011	Q2	20,000,000	470,000,000	446,119,513			20,000,000	-	-
7/6/2011	Q3		470,000,000	466,119,513			(171,736)	792,685	792,685
7/15/2011	Q3		470,000,000	466,740,462	9,000,000		(9,000,000)	549,369	(8,450,631)
7/25/2011	Q3	(20,000,000)	450,000,000	458,289,831	34,417.78		(20,034,418)	599,398	564,980
10/18/2011	Q4		450,000,000	438,854,811			(290,417)	4,902,813	4,902,813
1/17/2012	Q1		450,000,000	443,467,207	9,000,000		(9,000,000)	5,306,145	(3,693,855)
3/2/2012	Q1		450,000,000	439,773,352		3,070.00	(3,070)	2,594,240	2,594,240
7/15/2012	Q3		450,000,000	442,364,522			(9,000,000)	7,874,647	(1,125,153)
1/15/2013	Q1		450,000,000	441,239,369	9,000,000		(9,000,000)	10,740,283	1,740,283
7/15/2013	Q3		450,000,000	442,979,652	9,000,000		(9,000,000)	10,604,752	1,604,752
1/15/2014	Q1		450,000,000	444,584,404	9,000,000		(9,000,000)	10,821,705	1,821,705
7/15/2014	Q3		450,000,000	446,406,108	9,000,000		(9,000,000)	10,686,780	1,686,780
1/15/2015	Q1	(450,000,000)	-	448,092,888	9,000,000		(459,000,000)	10,907,105	1,907,105

Commitment fees for 4th quarter 2008

ATTACHMENT 3
Accounting of Transfers Between
CWIP and Plant In Service

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2016 Reconciliation of Transmission Revenue Requirement Formula Rate

Work Order ID	Work Order Number	FERC Account 101/106 Sub-Account	Project / Description	Amount	Date of Transfer from CWIP to Plant in Service
TrAIL Projects					
502 Junction to Territorial Line					
13418596	478437863	35500	Line Construction 1	185.20	June 1, 2016
	478437863	35500	Line Construction 1	104.62	July 1, 2016
	478437863	35500	Line Construction 1	<u>(0.27)</u>	August 1, 2016
			Total	289.55	
13412255	478229242	35500	Line Construction 2	401.66	January 1, 2016
	478229242	35500	Line Construction 2	(0.63)	February 1, 2016
	478229242	35500	Line Construction 2	24,046.13	March 1, 2016
	478229242	35500	Line Construction 2	45,792.07	April 1, 2016
	478229242	35500	Line Construction 2	12,825.18	May 1, 2016
	478229242	35500	Line Construction 2	2,004.03	June 1, 2016
	478229242	35500	Line Construction 2	21,691.37	July 1, 2016
	478229242	35500	Line Construction 2	83,459.13	August 1, 2016
	478229242	35500	Line Construction 2	1,759,298.24	September 1, 2016
	478229242	35500	Line Construction 2	(6,121.23)	October 1, 2016
	478229242	35500	Line Construction 2	3,905.38	November 1, 2016
	478229242	35500	Line Construction 2	<u>(2,756.82)</u>	December 1, 2016
			Total	1,944,544.51	
14083631	686847146	35620	TREP TrAIL Engineering	(34,113.24)	March 1, 2016
13420168	478541516	35400	Appalachian TrAIL - Loudoun Line	5,146.52	January 1, 2016
	478541516	35400	Appalachian TrAIL - Loudoun Line	(15.86)	February 1, 2016
	478541516	35400	Appalachian TrAIL - Loudoun Line	135,000.00	April 1, 2016
	478541516	35400	Appalachian TrAIL - Loudoun Line	(135,000.00)	May 1, 2016
	478541516	35400	Appalachian TrAIL - Loudoun Line	184,361.11	July 1, 2016
	478541516	35400	Appalachian TrAIL - Loudoun Line	<u>(305.89)</u>	August 1, 2016
			Total	189,185.88	
D-01458.1426C	4409525	35011	TrAIL - VA TL 500 kv	(562,055.73)	April 1, 2016
D-01458.1427C	4409526	35011	TrAIL - VA TL 500 kv	(381,542.62)	April 1, 2016
D-01458.1403C	4401479	35500	Const 500kv line 502J-MTS (WV)	1,357.49	February 1, 2016
D-01458.3411C	4405648	35610	TrAIL - VA TL 500 kv	1,642.51	February 1, 2016
	4405648	35610	TrAIL - VA TL 500 kv	(9,413.38)	August 1, 2016
	4405648	35610	TrAIL - VA TL 500 kv	<u>(198.98)</u>	December 1, 2016
			Total	(7,969.85)	
14692817	759166158	35610	TrAIL - VA TL 500 kv	52,998.87	May 1, 2016
	759166158	35610	TrAIL - VA TL 500 kv	(10.17)	June 1, 2016
	759166158	35610	TrAIL - VA TL 500 kv	(53.93)	July 1, 2016
	759166158	35610	TrAIL - VA TL 500 kv	4,122.67	August 1, 2016
	759166158	35610	TrAIL - VA TL 500 kv	<u>(1,710.20)</u>	September 1, 2016
			Total	55,347.24	
14732069	770275175	35610	502 Jct - Mt Storm 500kv	43,313.00	May 1, 2016
	770275175	35610	502 Jct - Mt Storm 500kv	1,021.35	July 1, 2016
	770275175	35610	502 Jct - Mt Storm 500kv	<u>(2.55)</u>	August 1, 2016
			Total	44,331.80	
14732988	770346587	35610	Mt Storm-Mdwrk 500kv	8,693.93	May 1, 2016
14692838	759166143	35610	Mt Storm-Meadowbrook 500kv WV	106,065.46	June 1, 2016
	759166143	35610	Mt Storm-Meadowbrook 500kv WV	(36.26)	July 1, 2016
	759166143	35610	Mt Storm-Meadowbrook 500kv WV	<u>(8,543.48)</u>	September 1, 2016
			Total	97,485.72	
14733093	770346221	35610	Loundon-Meadowbrook 500kv repl bells	62,814.76	June 1, 2016
	770346221	35610	Loundon-Meadowbrook 500kv repl bells	(4,748.40)	September 1, 2016
	770346221	35610	Loundon-Meadowbrook 500kv repl bells	<u>25,544.91</u>	December 1, 2016
			Total	83,611.27	
15029785	817389348	35610	Meadowbrook Loudon 500kv VA	31,330.87	August 1, 2016
13416100	478316423	35500	Line Construction 16	261,000.00	September 1, 2016

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TrAIL Projects					
14620046	740069164	35610	502 Jct. Mt Storm 500kv	249,588.57	September 1, 2016
	740069164	35610	502 Jct. Mt Storm 500kv	123.67	October 1, 2016
	740069164	35610	502 Jct. Mt Storm 500kv	2.39	November 1, 2016
	740069164	35610	502 Jct. Mt Storm 500kv	<u>4,557.64</u>	December 1, 2016
			Total	254,272.27	
14908310	801737170	35610	536 502 Junction Mt Storm 500kv	16,296.27	December 1, 2016
14936079	804969618	35610	502 Jct - Mt Storm #536 Repl OPGW	<u>483,402.36</u>	December 1, 2016
Various	Various	35620	Vegetation Management	3,678.04	January 1, 2016
	Various	35620	Vegetation Management	4,427.71	February 1, 2016
	Various	35620	Vegetation Management	4,259.90	March 1, 2016
	Various	35620	Vegetation Management	(116.19)	April 1, 2016
	Various	35620	Vegetation Management	(117.01)	May 1, 2016
	Various	35620	Vegetation Management	(128,493.71)	June 1, 2016
	Various	35620	Vegetation Management	(145.93)	July 1, 2016
	Various	35620	Vegetation Management	4,378.06	August 1, 2016
	Various	35620	Vegetation Management	(122.66)	September 1, 2016
	Various	35620	Vegetation Management	(123.52)	October 1, 2016
	Various	35620	Vegetation Management	(124.39)	November 1, 2016
	Various	35620	Vegetation Management	<u>(125.27)</u>	December 1, 2016
			Total	<u>(112,624.97)</u>	
			Total 502 Junction to Territorial Line	<u>2,372,842.75</u>	
Other Projects					
13356601	506387055	35300	Altoona Sub - Install 250 MVAR SVC	25,368.35	January 1, 2016
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	69.48	February 1, 2016
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	4,637.66	March 1, 2016
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	<u>277.91</u>	May 1, 2016
			Total	30,353.40	
13744988	514254724	35610	Handsome Lake - Homer City 345kV	7,145.14	March 1, 2016
	514254724	35022, 35400, 35500, 35610	Handsome Lake - Homer City 345kV	(237,578.81)	August 1, 2016
	514254724	35400, 35500, 35610	Handsome Lake - Homer City 345kV	<u>(3,269.17)</u>	October 1, 2016
			Total	(233,702.84)	
13806707	519318731	35300	Armstrong SS: New 345-138 kv Yard	568.61	April 1, 2016
	519318731	35220	Armstrong SS: New 345-138 kv Yard	2.98	June 1, 2016
	519318731	35300	Armstrong SS: New 345-138 kv Yard	1.59	June 1, 2016
	519318731	35220	Armstrong SS: New 345-138 kv Yard	0.01	June 1, 2016
	519318731	35300	Armstrong SS: New 345-138 kv Yard	122.02	June 1, 2016
	519318731	35210, 35220, 35300	Armstrong SS: New 345-138 kv Yard	211.00	July 1, 2016
	519318731	35220, 35300, 35210, 35220	Armstrong SS: New 345-138 kv Yard	<u>(84.40)</u>	August 1, 2016
			Total	821.81	
14265429	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	(41,203.67)	January 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	(2,640.82)	February 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	3.44	March 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	19.50	April 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	3,291.17	May 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	(210.91)	June 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	5.82	October 1, 2016
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	<u>0.62</u>	November 1, 2016
			Total	(40,734.85)	
14505976	708084787	35300	Black Oak SVC - Purchase Grounds	171,638.64	January 1, 2016
14710199	764629018	35300	Black Oak SVC: Replace Arresters	12,709.14	January 1, 2016
13625256	504032903	35300	Buffalo Road 115kV SN -Install a 50	355,820.23	February 1, 2016
	504032903	35300	Buffalo Road 115kV SN -Install a 50	0.44	March 1, 2016
	504032903	35300	Buffalo Road 115kV SN -Install a 50	<u>(357,951.32)</u>	June 1, 2016
			Total	(2,130.65)	
14097794	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	41,781.11	January 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	218,009.00	February 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	47,344.56	March 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	10,040.82	April 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	2,282.94	May 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	7,059.05	June 1, 2016
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	4,039.83	July 1, 2016
	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	5,534.53	August 1, 2016
	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	4,513.15	September 1, 2016
	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	2,507.18	October 1, 2016
	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	1,966.67	November 1, 2016
	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	<u>2,861.19</u>	December 1, 2016
			Total	347,940.03	

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TrAIL Projects					
13123150	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	241.20	January 1, 2016
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	559.45	February 1, 2016
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	(268.90)	July 1, 2016
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	23.32	August 1, 2016
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	(610.74)	September 1, 2016
			Total	(55.67)	
14521947	710542810	35300	CIP IT Conemaugh - PSP Card Reader Equip	17,312.53	February 1, 2016
D-01455.1303C	4402628	35300	Doubs Replace T2 Transformer	30,725.97	March 1, 2016
14754065	775778834	35011	Land Purchase-Pierce Brook Substati	8,570.88	March 1, 2016
	775778834	35011	Land Purchase-Pierce Brook Substati	4,896.49	April 1, 2016
	775778834	35011	Land Purchase-Pierce Brook Substati	5,287.10	May 1, 2016
	775778834	35011	Land Purchase-Pierce Brook Substati	1,520.22	June 1, 2016
	775778834	35011	Land Purchase-Pierce Brook Substati	(433.10)	July 1, 2016
			Total	19,841.59	
14010237	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	10.75	January 1, 2016
14560598	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	12,753.09	January 1, 2016
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	(1.18)	February 1, 2016
			Total	12,751.91	
13631917	504740949	35300	SS - Johnstown 230kV - Install a 11	26,075.59	January 1, 2016
	504740949	35300	SS - Johnstown 230kV - Install a 11	(8.07)	February 1, 2016
			Total	26,067.52	
13526185	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	200.80	January 1, 2016
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	(0.61)	February 1, 2016
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	420.80	March 1, 2016
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	(25.81)	April 1, 2016
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	(103,483.68)	May 1, 2016
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	6,638.73	June 1, 2016
			Total	(96,249.77)	
13302963	511281437	35300	Mansfield-Everts Dr-Build new 345/1	211,102.24	January 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	130,011.15	February 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	106,223.92	March 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	92,732.81	April 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	43,294.51	May 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	44,716.85	June 1, 2016
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	10,018.56	July 1, 2016
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	15,659.45	August 1, 2016
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	6,107.67	September 1, 2016
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	5,477.72	October 1, 2016
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	1,776.80	November 1, 2016
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	2,939.09	December 1, 2016
			Total	670,060.77	
13448261	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	30,221.16	January 1, 2016
14542470	713819279	35300	Meadowbrook SS Replace CTs	12,114.69	March 1, 2016
14918464	802538931	35300	Meadowbrook SS Replace CVT	151,876.80	May 1, 2016
	802538931	35300	Meadowbrook SS Replace CVT	2,737.21	June 1, 2016
	802538931	35300	Meadowbrook SS Replace CVT	(685.78)	July 1, 2016
			Total	153,928.23	

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TrAIL Projects					
14203423	540946829	35300	Monocacy SS - Install SVC (TrAIL)	9,173,493.29	January 1, 2016
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	(568,377.76)	February 1, 2016
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	12,898.93	March 1, 2016
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	241,399.32	April 1, 2016
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	<u>481.71</u>	May 1, 2016
			Total	8,859,895.49	
14203470	540946841	35300	Monocacy SS - Inst. SVC Facilities	30,523.45	January 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	35,859.35	February 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	7,440.64	March 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	871.30	April 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	9.24	May 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(45,039.30)	June 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(11,984.21)	July 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	44,290.73	August 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(65,965.99)	September 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(8,134.13)	October 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	37,322.37	November 1, 2016
	540946841	35300	Monocacy SS - Inst. SVC Facilities	<u>16,272.06</u>	December 1, 2016
				Total	41,465.51
13609744	503025824	35300	Moshannon 230 kV - Construct 4 brea	7,424.79	January 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	589.79	February 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	4,615.72	March 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	2,174.62	April 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	1,925.32	May 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	3572.27	June 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	1,176,259.88	July 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	144,568.71	August 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	24,718.14	September 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	26.47	October 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	12,088.88	November 1, 2016
	503025824	35300	Moshannon 230 kV - Construct 4 brea	<u>6,306.27</u>	December 1, 2016
				Total	1,384,270.86
D-01290.1702C	4402880	35300	N Shenandoah SS: Replace Transformer	1,843,220.09	May 1, 2016
14492232	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	5,562.91	January 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	845.50	February 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	14,067.86	March 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	(3,673.30)	April 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	1,063.81	May 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	519.06	June 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	235.62	July 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	100.40	August 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	2.33	November 1, 2016
	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	<u>100.70</u>	December 1, 2016
				Total	18,824.89
14258663	544530217	35300	Oak Mound Terminal Addition	2,258,135.63	January 1, 2016
	544530217	35300	Oak Mound Terminal Addition	33,570.44	February 1, 2016
	544530217	35300	Oak Mound Terminal Addition	64,329.32	March 1, 2016
	544530217	35300	Oak Mound Terminal Addition	392,454.09	April 1, 2016
	544530217	35300	Oak Mound Terminal Addition	(9,136.87)	May 1, 2016
	544530217	35300	Oak Mound Terminal Addition	62,026.27	June 1, 2016
	544530217	35300	Oak Mound Terminal Addition	56,553.33	July 1, 2016
	544530217	35300	Oak Mound Terminal Addition	(44,153.10)	August 1, 2016
	544530217	35300	Oak Mound Terminal Addition	(1,645.97)	September 1, 2016
	544530217	35300	Oak Mound Terminal Addition	2,348.60	October 1, 2016
	544530217	35300	Oak Mound Terminal Addition	34,074.76	November 1, 2016
	544530217	35300	Oak Mound Terminal Addition	<u>2,618.06</u>	December 1, 2016
				Total	2,851,174.56
13432501	485228654	35300	Potter 115kV (WP)-Install two 12.5	(1,208.79)	April 1, 2016
	485228654	35300	Potter 115kV (WP)-Install two 12.5	<u>(244.63)</u>	June 1, 2016
			Total	(1,453.42)	

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TrAIL Projects					
13722767	513124964	35300	TrAIL -Rider SS Ring Bus	(514,703.05)	January 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	64,376.00	February 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	17,831.34	March 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	(9,975.33)	April 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	(105,156.85)	May 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	21,326.50	June 1, 2016
	513124964	35300	TrAIL -Rider SS Ring Bus	(4,549.55)	July 1, 2016
	513124964	35210, 35220, 35300	TrAIL -Rider SS Ring Bus	20,401.80	August 1, 2016
	513124964	35210, 35220, 35300	TrAIL -Rider SS Ring Bus	(44.41)	September 1, 2016
	513124964	35210, 35220, 35300	TrAIL -Rider SS Ring Bus	4,636.26	October 1, 2016
	513124964	35210, 35220, 35300	TrAIL -Rider SS Ring Bus	28,690.13	November 1, 2016
	513124964	35210, 35220, 35300	TrAIL -Rider SS Ring Bus	<u>1,774.66</u>	December 1, 2016
			Total	(475,392.50)	
14516970	710349743	35500	138-kV Loop to Rider Sub	254,813.59	January 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	(54,027.34)	February 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	(6,409.50)	March 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	515.22	April 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	85,146.28	May 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	533,367.28	June 1, 2016
	710349743	35610	138-kV Loop to Rider Sub	265,212.59	June 1, 2016
	710349743	35500	138-kV Loop to Rider Sub	(3,297,022.14)	July 1, 2016
	710349743	35610	138-kV Loop to Rider Sub	(2,628,469.43)	July 1, 2016
	710349743	35500, 35610	138-kV Loop to Rider Sub	(12,499.11)	August 1, 2016
	710349743	35500, 35610	138-kV Loop to Rider Sub	2,162.91	September 1, 2016
	710349743	35500, 35610	138-kV Loop to Rider Sub	(5,431.87)	October 1, 2016
	710349743	35500, 35610	138-kV Loop to Rider Sub	1,569.26	November 1, 2016
	710349743	35500, 35610	138-kV Loop to Rider Sub	<u>210.90</u>	December 1, 2016
			Total	(4,860,861.36)	
13469732	509201475	35500	Rider 138kV Line ext	(35,503.76)	January 1, 2016
	509201475	35500	Rider 138kV Line ext	54,838.28	February 1, 2016
	509201475	35500	Rider 138kV Line ext	156,597.20	March 1, 2016
	509201475	35500	Rider 138kV Line ext	(10,830.97)	April 1, 2016
	509201475	35500	Rider 138kV Line ext	10,724.74	May 1, 2016
	509201475	35500	Rider 138kV Line ext	(878,898.37)	June 1, 2016
	509201475	35500	Rider 138kV Line ext	6,527,036.96	July 1, 2016
	509201475	35500	Rider 138kV Line ext	2,928.97	August 1, 2016
	509201475	35500	Rider 138kV Line ext	5.82	September 1, 2016
	509201475	35500	Rider 138kV Line ext	1,608.36	October 1, 2016
	509201475	35500	Rider 138kV Line ext	184.88	November 1, 2016
	509201475	35500	Rider 138kV Line ext	<u>656.65</u>	December 1, 2016
			Total	5,829,348.76	
13722842	713632077	35300	Rider SS: Ring Bus & 138 kV Line	196,959.03	January 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	(2,394.66)	February 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	10,176.55	March 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	755.16	April 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	9,958.61	May 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	(850.71)	June 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	463.09	July 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	(0.39)	August 1, 2016
	713632077	35300	Rider SS: Ring Bus & 138 kV Line	<u>3.04</u>	September 1, 2016
			Total	215,069.72	
13721318	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	1,762.13	January 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	1,995.21	February 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	(70,000.00)	March 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	50,000.00	April 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	3,431.81	June 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	11,100.42	July 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	(457.46)	August 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	(196.38)	September 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	(0.25)	October 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	1,949.06	November 1, 2016
	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	<u>407.54</u>	December 1, 2016
			Total	(7.92)	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2016 Reconciliation of Transmission Revenue Requirement Formula Rate

Work Order ID	Work Order Number	FERC Account 101/106 Sub-Account	Project / Description	Amount	Date of Transfer from CWIP to Plant in Service	
TrAIL Projects						
13646434	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	372.06	January 1, 2016	
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	(228.08)	February 1, 2016	
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	10.97	March 1, 2016	
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	(41,964.43)	April 1, 2016	
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	<u>2,020.63</u>	May 1, 2016	
				Total	(39,788.85)	
13956791	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	511.57	January 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	15.67	February 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	15.84	March 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	(6,088.81)	April 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	30.47	September 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	30.47	October 1, 2016	
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	<u>2.33</u>	December 1, 2016	
				Total	(5,482.46)	
14057705	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	46,173.66	January 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	22,364.26	February 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	6,134.49	March 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(1,613.30)	April 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	14,880.25	May 1, 2016	
	534342055	35210	Squab Hollow SS: TrAILCo CIAC/230-	(1,066.74)	June 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	7,876.27	June 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(2,756.62)	June 1, 2016	
	534342055	35210	Squab Hollow SS: TrAILCo CIAC/230-	(28,897.43)	July 1, 2016	
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(80,485.84)	July 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	85,481.96	August 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	25,610.37	September 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	800.47	October 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	519.13	November 1, 2016	
	534342055	35210, 35300	Squab Hollow SS: TrAILCo CIAC/230-	<u>8,257.37</u>	December 1, 2016	
				Total	103,278.30	
14506973	708223521	35300	Squab Hollow:Install 230kv breaker	1,889.91	January 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	(26.54)	February 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	(468.67)	March 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	(4,732.53)	April 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	229.26	May 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	69.74	June 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	(18.29)	July 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	2,554.50	August 1, 2016	
	708223521	35300	Squab Hollow:Install 230kv breaker	<u>2.22</u>	September 1, 2016	
				Total	(500.40)	
	14058080	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	6,209.23	January 1, 2016
534344922		35300	Squab Hollow SS: TrAILCo/CIAC 250MV	13,004.59	February 1, 2016	
534344922		35300	Squab Hollow SS: TrAILCo/CIAC 250MV	(476.51)	March 1, 2016	
				Total	18,737.31	
14019830	530917549	35300, 35220, 35210	TREP work at new Waldo Run substati	7,287.76	January 1, 2016	
	530917549	35300, 35220, 35210	TREP work at new Waldo Run substati	(27,968.29)	February 1, 2016	
	530917549	35300, 35220, 35210	TREP work at new Waldo Run substati	43,544.47	March 1, 2016	
	530917549	35300, 35220, 35210	TREP work at new Waldo Run substati	29,333.81	April 1, 2016	
	530917549	35300, 35220, 35210	TREP work at new Waldo Run substati	2,498.98	May 1, 2016	
	530917549	35300	TREP work at new Waldo Run substati	229.20	June 1, 2016	
	530917549	35220	TREP work at new Waldo Run substati	2,743.29	June 1, 2016	
	530917549	35210	TREP work at new Waldo Run substati	4.69	June 1, 2016	
	530917549	35220	TREP work at new Waldo Run substati	3.22	June 1, 2016	
	530917549	35300	TREP work at new Waldo Run substati	18,282.15	June 1, 2016	
	530917549	35300	TREP work at new Waldo Run substati	21,855.60	July 1, 2016	
	530917549	35220	TREP work at new Waldo Run substati	367.77	July 1, 2016	
	530917549	35210	TREP work at new Waldo Run substati	438.21	July 1, 2016	
	530917549	35210, 35220, 35300	TREP work at new Waldo Run substati	27,518.41	August 1, 2016	
	530917549	35210, 35220, 35300	TREP work at new Waldo Run substati	8,103.53	September 1, 2016	
	530917549	35210, 35220, 35300	TREP work at new Waldo Run substati	<u>512.48</u>	October 1, 2016	
				Total	134,755.28	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2016 Reconciliation of Transmission Revenue Requirement Formula Rate

Work Order ID	Work Order Number	FERC Account 101/106 Sub-Account	Project / Description	Amount	Date of Transfer from CWIP to Plant in Service
TrAIL Projects					
13701262	511667989	35300	Yeagertown 230 kV - Install new 230	(4,954.36)	January 1, 2016
	511667989	35300	Yeagertown 230 kV - Install new 230	1,389.21	February 1, 2016
	511667989	35300	Yeagertown 230 kV - Install new 230	(67.00)	March 1, 2016
			Total	(3,632.15)	
14020629	530998617	35011	TREP Purchase Land Waldo Run sub	1,368.11	March 1, 2016
	530998617	35011	TREP Purchase Land Waldo Run sub	(337,988.18)	December 1, 2016
			Total	(336,620.07)	
14082160	536767657	35400, 35610	Glenn Falls Lamberton Loop 138kv	5,199.46	March 1, 2016
14651143	745092783	35011	Joffre SS Land Purchase	599,985.44	April 1, 2016
	745092783	35011	Joffre SS Land Purchase	4,551.86	May 1, 2016
	745092783	35011	Joffre SS Land Purchase	12,880.50	June 1, 2016
	745092783	35011	Joffre SS Land Purchase	4,457.97	July 1, 2016
	745092783	35011	Joffre SS Land Purchase	1,150.07	August 1, 2016
	745092783	35011	Joffre SS Land Purchase	641.04	September 1, 2016
	745092783	35011	Joffre SS Land Purchase	684.74	October , 2016
	745092783	35011	Joffre SS Land Purchase	2,390.34	November 1, 2016
	745092783	35011	Joffre SS Land Purchase	<u>25,695.22</u>	December 1, 2016
			Total	652,437.18	
14197715	540699748	35300	Erie South: Install +250/-100 MVAR	42,846,629.43	May 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	(1,238,255.61)	June 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	2,921,850.52	July 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	91,074.28	August 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	1,574,996.82	September 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	96,619.53	October 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	(23,687.81)	November 1, 2016
	540699748	35300	Erie South: Install +250/-100 MVAR	<u>59,666.40</u>	December 1, 2016
			Total	46,328,893.56	
13547208	523690351	35300	Pierce Brook Sub: Install 345/230 kV	36,949,549.22	May 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	837,134.51	June 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	766,305.34	July 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	(790,297.15)	August 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	15,689.93	September 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	6,562.54	October , 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	97,293.97	November 1, 2016
	523690351	35300	Pierce Brook Sub: Install 345/230 kV	<u>83,713.06</u>	December 1, 2016
			Total	37,965,951.42	
PW-004396-TRS	529697111	35220	Four Mile Junction Substation	124,142.60	June 1, 2016
14716425	765959807	35300	Mainsburg Substation	730,154.40	June 1, 2016
	765959807	35300	Mainsburg Substation	(87,218.61)	July 1, 2016
	765959807	35300	Mainsburg Substation	11,963.64	August 1, 2016
	765959807	35300	Mainsburg Substation	(8,000.10)	September 1, 2016
	765959807	35300	Mainsburg Substation	(3,529.91)	October 1, 2016
	765959807	35300	Mainsburg Substation	(49.13)	November 1, 2016
	765959807	35300	Mainsburg Substation	<u>5,048.92</u>	December 1, 2016
			Total	648,369.21	
13885850	523657011	35500, 35610	Grand Point Sub	(8,227.26)	August 1, 2016
13668121	506387028	35210, 35300	Shawville Trans Sub	3,753.28	August 1, 2016
13123835	542480347	35300	Conemaugh Sub	732.08	September 1, 2016
	542480347	35300	Conemaugh Sub	7,722.08	October 1, 2016
	542480347	35300	Conemaugh Sub	713.36	November 1, 2016
	542480347	35300	Conemaugh Sub	<u>42.04</u>	December 1, 2016
			Total	9,209.56	
14258354	544496386	35022	Oak Mound - Waldo Run #1	6,362,831.26	September 1, 2016
	544496386	35022	Oak Mound - Waldo Run #1	(89,348.69)	October 1, 2016
	544496386	35022	Oak Mound - Waldo Run #1	39,380.98	November 1, 2016
	544496386	35022	Oak Mound - Waldo Run #1	<u>21,240.91</u>	December 1, 2016
			Total	6,334,104.46	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2016 Reconciliation of Transmission Revenue Requirement Formula Rate

Work Order ID	Work Order Number	FERC Account 101/106 Sub-Account	Project / Description	Amount	Date of Transfer from CWIP to Plant in Service
TrAIL Projects					
14435971	678978199	35300	Waldo Run Sub	435,465.82	September 1, 2016
	678978199	35300	Waldo Run Sub	23,758.74	October 1, 2016
	678978199	35300	Waldo Run Sub	4,048.85	November 1, 2016
	678978199	35300	Waldo Run Sub	<u>4,229.05</u>	December 1, 2016
			Total	467,502.46	
14464107	689555528	35500, 35610	Oak Mound - Waldo Run #1	870,177.94	September 1, 2016
	689555528	35500, 35610	Oak Mound - Waldo Run #1	143,943.03	October 1, 2016
	689555528	35500, 35610	Oak Mound - Waldo Run #1	(195,317.43)	November 1, 2016
	689555528	35500, 35610	Oak Mound - Waldo Run #1	<u>81,293.31</u>	December 1, 2016
			Total	900,096.85	
14464108	6895555910	35500, 35610	Oak Mound - Waldo Run #1	66,531,801.50	September 1, 2016
	6895555910	35500, 35610	Oak Mound - Waldo Run #1	952,676.57	October 1, 2016
	6895555910	35500, 35610	Oak Mound - Waldo Run #1	1,975,636.95	November 1, 2016
	6895555910	35500, 35610	Oak Mound - Waldo Run #1	<u>(2,564,262.02)</u>	December 1, 2016
			Total	66,895,853.00	
14471297	71364480	35500, 35610	Oak Mound - Rider 138kv	(4,868.43)	September 1, 2016
	71364480	35500, 35610	Oak Mound - Rider 138kv	<u>(0.06)</u>	October 1, 2016
			Total	(4,868.49)	
14080138	544395083	35610	Oak Mound - Waldo Run 138 kv	20,449,204.69	September 1, 2016
	544395083	35610	Oak Mound - Waldo Run 138 kv	22,650.84	October 1, 2016
	544395083	35610	Oak Mound - Waldo Run 138 kv	21,419.74	November 1, 2016
	544395083	35610	Oak Mound - Waldo Run 138 kv	<u>3,055,247.42</u>	December 1, 2016
			Total	23,548,522.69	
14528199	711507286	35300	Joffre Substation - Construct 138kv	15,263,382.42	December 1, 2016
14276743	545657671	35300	Const New Richwood Hill SS	39,510,433.10	November 1, 2016
	545657671	35300	Const New Richwood Hill SS	<u>590,071.08</u>	December 1, 2016
			Total	40,100,504.18	
15165673	836242181	35300	Richwood Hill SVC-Inst a +90/-30 Mv	17,300,321.83	November 1, 2016
	836242181	35300	Richwood Hill SVC-Inst a +90/-30 Mv	<u>15,749,689.71</u>	December 1, 2016
			Total	33,050,011.54	
15157027	836234686	35300	Hunterstown SVC: reactor TCR11	10,645.03	December 1, 2016
15144925	833593997	35300	Joffre SS: Construct 138kv Switch	260,079.03	December 1, 2016
14986101	811528630	35300	Equip Investigate / Repair Misc	(100.60)	December 1, 2016
14276742	545657622	35011	New Richwood Hill Substation Proper	417,780.80	December 1, 2016
			Total Other Projects	<u>289,713,168.38</u>	
			Total Additions	<u>292,086,011.13</u>	

ATTACHMENT H-2A

Baltimore Gas and Electric Company		Notes	FERC Form 1 Page # or Instruction	2016
Formula Rate				
Shaded cells are input cells				
Allocators				
Wages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21.b	23,062,228
2	Total Wages Expense		p354.28b	160,967,925
3	Less A&G Wages Expense		p354.27b	25,627,232
4	Total		(Line 2 - 3)	135,340,693
5	Wages & Salary Allocator		(Line 1 / 4)	17.0401%
Plant Allocation Factors				
6	Electric Plant in Service		Attachment 5 (Line 24)	7,071,602,223
7	Common Plant in Service - Electric	(Note A)	Attachment 5	513,279,898
8	Total Plant In Service		(Sum Lines 6 & 7)	7,584,882,121
9	Accumulated Depreciation (Total Electric Plant)		Attachment 5	2,570,412,236
10	Accumulated Intangible Amortization	(Note A)	p200.21c	39,160,874
11	Accumulated Common Amortization - Electric	(Note A)	p356	0
12	Accumulated Common Plant Depreciation - Electric	(Note A)	Attachment 5	160,360,676
13	Total Accumulated Depreciation		(Sum Lines 9 to 12)	2,769,933,786
14	Net Plant		(Line 8 - 13)	4,814,948,335
15	Transmission Gross Plant		(Line 29 - Line 28)	1,548,895,578
16	Gross Plant Allocator		(Line 15 / 8)	20.4208%
17	Transmission Net Plant		(Line 39 - Line 28)	1,116,979,811
18	Net Plant Allocator		(Line 17 / 14)	23.1982%
Plant Calculations				
Plant In Service				
19	Transmission Plant In Service		Attachment 5	1,380,029,096
20	For Reconciliation only - remove New Transmission Plant Additions for		Attachment 6	0
21	New Transmission Plant Additions for Current Calendar Year (weighted by m	(Note B)	Attachment 6	59,295,087
22	Total Transmission Plant In Service		(Line 19 - 20 + 21)	1,439,324,183
23	General & Intangible		Attachment 5	129,739,869
24	Common Plant (Electric Only)	(Notes A)	Attachment 5	513,279,898
25	Total General & Common		(Line 23 + 24)	643,019,767
26	Wage & Salary Allocation Factor		(Line 5)	17.04013%
27	General & Common Plant Allocated to Transmission		(Line 25 * 26)	109,571,395
28	Plant Held for Future Use (Including Land)	(Note C)	Attachment 5	13,115,103
29	TOTAL Plant In Service		(Line 22 + 27 + 28)	1,562,010,681
Accumulated Depreciation				
30	Transmission Accumulated Depreciation		Attachment 5	394,140,531
31	Accumulated General Depreciation		Attachment 5	37,199,664
32	Accumulated Intangible Amortization		Attachment 5	24,123,642
33	Accumulated Common Amortization - Electric		(Line 11)	0
34	Common Plant Accumulated Depreciation (Electric Only)	(Notes A)	(Line 12)	160,360,676
35	Total Accumulated Depreciation		(Sum Lines 31 to 34)	221,683,981
36	Wage & Salary Allocation Factor		(Line 5)	17.04013%
37	General & Common Allocated to Transmission		(Line 35 * 36)	37,775,235
38	TOTAL Accumulated Depreciation		(Line 30 + 37)	431,915,766
39	TOTAL Net Property, Plant & Equipment		(Line 29 - 38)	1,130,094,914

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109		Attachment 1	-295,326,281
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	0
42	Net Plant Allocation Factor		(Line 18)	23.20%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	-295,326,281
Transmission O&M Reserves				
44	Current Period Changes in Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	0
Abandonment Transmission Projects				
44a	Unamortized Abandoned Transmission Projects	(Note R)	Attachment 5	579,675
Prepayments				
45	Prepayments	(Note A)	Attachment 5	39,889,239
46	Total Prepayments Allocated to Transmission		(Line 45)	39,889,239
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0
48	Wage & Salary Allocation Factor		(Line 5)	17.04%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	2,514,434
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	2,514,434
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 84)	76,787,907
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	9,598,488
Network Credits				
55	Outstanding Network Credits	(Note N)	From PJM	0
56	Less Accumulated Depreciation Associated with Facilities with Outstanding	(Note N)	From PJM	0
57	Net Outstanding Credits		(Line 55 - 56)	0
58	TOTAL Adjustment to Rate Base		(Line 43 + 44 + 44a + 46 + 5)	-242,744,445
59	Rate Base		(Line 39 + 58)	887,350,469

O&M

Transmission O&M				
60	Transmission O&M		p321.112.b	45,398,943
61	Less extraordinary property losses		Attachment 5	0
62	Plus amortization of extraordinary property losses		Attachment 5	0
63	Less Account 565		p321.96.b	0
64	Plus Schedule 12 payments billed to Transmission Owner and booked to A	(Note O)	PJM Data	0
65	Plus Transmission Lease Payments	(Note A)	Attachment 5	0
66	Transmission O&M		(Lines 60 - 61 + 62 - 63 + 64)	45,398,943
Allocated General & Common Expenses				
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		Attachment 5	186,150,788
68a	For Informational Purposes: PBOP Expenses in FERC Account 926	(Note S)	Attachment 5	6,927,760
69	Less Property Insurance Account 924		p323.185.b	155,375
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	250,956
71	Less General Advertising Exp Account 930.1		p323.191.b	1,479,318
72	Less EPRI Dues	(Note D)	p352-353	386,756
73	General & Common Expenses		(Lines 67 + 68) - Sum (69 tc	183,878,383
74	Wage & Salary Allocation Factor		(Line 5)	17.0401%
75	General & Common Expenses Allocated to Transmission		(Line 73 * 74)	31,333,113
Directly Assigned A&G				
76	Regulatory Commission Exp Account 928	(Note G)	p323.189b	19,807
77	General Advertising Exp Account 930.1	(Note K)	p323.191.b	0
78	Subtotal - Transmission Related		(Line 76 + 77)	19,807
79	Property Insurance Account 924		p323.156b	155,375
80	General Advertising Exp Account 930.1	(Note F)	p323.191.b	0
81	Total		(Line 79 + 80)	155,375
82	Net Plant Allocation Factor		(Line 18)	23.20%
83	A&G Directly Assigned to Transmission		(Line 81 * 82)	36,044
84	Total Transmission O&M		(Line 66 + 75 + 78 + 83)	76,787,907

Depreciation & Amortization Expense				
Depreciation Expense				
85	Transmission Depreciation Expense		Attachment 5	32,412,596
85a	Transmission Amortization Expense	(Note R)	Attachment 5	1,159,350
86	General Depreciation		Attachment 5	5,898,960
87	Intangible Amortization	(Note A)	Attachment 5	3,352,526
88	Total		(Line 86 + 87)	9,251,486
89	Wage & Salary Allocation Factor		Line 5	17.0401%
90	General Depreciation Allocated to Transmission		(Line 88 * 89)	1,576,465
91	Common Depreciation - Electric Only	(Note A)	Attachment 5	19,875,625
92	Common Amortization - Electric Only	(Note A)	Attachment 5	25,341,278
93	Total		(Line 91 + 92)	45,216,903
94	Wage & Salary Allocation Factor		(Line 5)	17.0401%
95	Common Depreciation - Electric Only Allocated to Transmission		(Line 93 * 94)	7,705,018
96	Total Transmission Depreciation & Amortization		(Line 85 + 85a + 90 + 95)	42,853,430
Taxes Other than Income				
97	Taxes Other than Income		Exhibit B	21,144,426
98	Total Taxes Other than Income		(Line 97)	21,144,426
Return / Capitalization Calculations				
Long Term Interest				
99	Long Term Interest		p117.62c through 67c	109,993,264
100	Less LTD Interest on Securitization Bonds	(Note P)	Attachment 8	5,548,488
101	Long Term Interest		(Line 99 - 100)	104,444,776
102	Preferred Dividends	enter positive	p118.29c	7,962,260
Common Stock				
103	Proprietary Capital		p112.16c	2,848,100,149
104	Less Preferred Stock	enter negative	(Line 192)	0
105	Less Account 216.1	enter negative	p112.12c	0
106	Common Stock		(Sum Lines 103 to 105)	2,848,100,149
Capitalization				
107	Long Term Debt		p112.18d through 21d	2,576,685,985
108	Less Loss on Reacquired Debt	enter negative	p111.81.c	-6,949,098
109	Plus Gain on Reacquired Debt	enter positive	p113.61c	0
110	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	2,231,529
111	Less LTD on Securitization Bonds	pte enter negative	Attachment 8	-18,954,010
112	Total Long Term Debt		(Sum Lines 107 to 111)	2,553,014,406
113	Preferred Stock		p112.3c	0
114	Common Stock		(Line 106)	2,848,100,149
115	Total Capitalization		(Sum Lines 112 to 114)	5,401,114,555
116	Debt %	Total Long Term Debt	(Line 112 / 115)	47%
117	Preferred %	Preferred Stock	(Line 113 / 115)	0%
118	Common %	Common Stock	(Line 114 / 115)	53%
119	Debt Cost	Total Long Term Debt	(Line 101 / 112)	0.0409
120	Preferred Cost	Preferred Stock	(Line 102 / 113)	0.0000
121	Common Cost	Cc (Note J) Fixed		0.1050
122	Weighted Cost of Debt	Total Long Term Debt ((Line 116 * 119)	0.0193
123	Weighted Cost of Preferred	Preferred Stock	(Line 117 * 120)	0.0000
124	Weighted Cost of Common	Common Stock	(Line 118 * 121)	0.0554
125	Total Return (R)		(Sum Lines 122 to 124)	0.0747
126	Investment Return = Rate Base * Rate of Return		(Line 59 * 125)	66,290,343

Composite Income Taxes			
Income Tax Rates			
127	FIT=Federal Income Tax Rate		35.00%
128	SIT=State Income Tax Rate or Composite	(Note I)	8.25%
129	p	(percent of federal inco Per State Tax Code	0.00%
130	T	$T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$	40.36%
131	T/(1-T)		67.68%
ITC Adjustment			
132	Amortized Investment Tax Credit	enter negative p266.17f	-258,056
133	T/(1-T)	(Line 131)	67.68%
134	Net Plant Allocation Factor	(Line 18)	23,1982%
135	ITC Adjustment Allocated to Transmission	[Line 129 * (1 + Line 130) * L	-100,380
136	Income Tax Component =	$CIT=(T/1-T) * Invest$ [Line 131 * 126 * (1-(122 / 12	33,251,786
137	Total Income Taxes	(Line 135 + 136)	33,151,406
REVENUE REQUIREMENT			
Summary			
138	Net Property, Plant & Equipment	(Line 39)	1,130,094,914
139	Adjustment to Rate Base	(Line 58)	-242,744,445
140	Rate Base	(Line 59)	887,350,469
141	O&M	(Line 84)	76,787,907
142	Depreciation & Amortization	(Line 96)	42,853,430
143	Taxes Other than Income	(Line 98)	21,144,426
144	Investment Return	(Line 126)	66,290,343
145	Income Taxes	(Line 137)	33,151,406
146	Gross Revenue Requirement	(Sum Lines 141 to 145)	240,227,512
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
147	Transmission Plant In Service	(Line 19)	1,380,029,096
148	Excluded Transmission Facilities	(Note M) Attachment 5	0
149	Included Transmission Facilities	(Line 147 - 148)	1,380,029,096
150	Inclusion Ratio	(Line 149 / 147)	100.00%
151	Gross Revenue Requirement	(Line 146)	240,227,512
152	Adjusted Gross Revenue Requirement	(Line 150 * 151)	240,227,512
Revenue Credits & Interest on Network Credits			
153	Revenue Credits	Attachment 3	31,921,184
154	Interest on Network Credits	(Note N) PJM Data	-
155	Net Revenue Requirement	(Line 152 - 153 + 154)	208,306,328
Net Plant Carrying Charge			
156	Net Revenue Requirement	(Line 155)	208,306,328
157	Net Transmission Plant and Abandoned Plant	(Line 19 - 30 + 44a)	986,468,240
158	Net Plant Carrying Charge	(Line 156 / 157)	21.1164%
159	Net Plant Carrying Charge without Depreciation	(Line 156 - 85) / 157	17.8307%
160	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	(Line 156 - 85 - 126 - 137) /	7.7501%
Net Plant Carrying Charge Calculation per 100 basis point increase in ROE			
161	Net Revenue Requirement Less Return and Taxes	(Line 155 - 144 - 145)	108,864,579
162	Return and Taxes per 100 basis point increase in ROE	Attachment 4	107,287,737
163	Net Revenue Requirement per 100 basis point increase in ROE	(Line 161 + 162)	216,152,316
164	Net Transmission Plant and Abandoned Plant	(Line 19 - 30 + 44a)	986,468,240
165	Net Plant Carrying Charge per 100 basis point increase in ROE	(Line 163 / 164)	21.9117%
166	Net Plant Carrying Charge per 100 basis point increase in ROE without Depreciation	(Line 162 - 85) / 164	18.6260%
167	Net Revenue Requirement	(Line 155)	208,306,328
168	True-up amount	Attachment 6	7,556,265
169	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects	Attachment 7	989,288
170	Facility Credits under Section 30.9 of the PJM OATT paid by Utility	Attachment 5	-
171	Net Zonal Revenue Requirement	(Line 167 + 168 + 169+ 170)	216,851,881
Network Zonal Service Rate			
172	1 CP Peak	(Note L) PJM Data	6,601
173	Rate (\$/MW-Year)	(Note Q) (Line 171 / 172)	32,851
174	Network Service Rate (\$/MW/Year)	(Line 173)	32,851

Notes

- A Electric portion only
- B Exclude Construction Work In Progress and leases that are expensed as O&M (rather than amortized). New Transmission plant included which is expected to be placed in service in the current calendar year weighted by number of months it is expected to be in-service.
For the true-up, new transmission plant which was actually placed in service weighted by the number of months it was actually in service
- C Transmission Portion Only
- D All EPRI Annual Membership Dues
- E All Regulatory Commission Expenses
- F Safety related advertising included in Account 930.1
- G Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h
- I The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p = \frac{\text{FIT} - \text{SIT}}{\text{FIT}}$ "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/(1-T)). A utility must not include tax credits as a reduction to rate base and as an amortization against taxable income.
- J Per FERC's order in Docket No. ER07-576, the Conastone and Waugh Chapel substation projects get an additional 100 basis points to the return on equity on top of a base ROE of 10.0% per FERC order issued in Docket No. EL13-48 and a 50 basis point RTO transmission planning participation adder approved in Baltimore Gas and Electric Co., Docket No. ER07-576, by order issued on July 24, 2007, for a total ROE of 11.5%. The rest of transmission rate base, except as provided in Note Q below, gets an ROE of 10.5% because it excludes the additional 100 basis points approved solely for the Conastone and Waugh Chapel substation projects.
- K Education and outreach expenses relating to transmission, for example siting or billing
- L As provided for in Section 34.1 of the PJM OATT and the PJM established billing determinants will not be revised or updated in the annual rate reconciliations per settlement in ER05-51!
- M Amount of transmission plant excluded from rates, includes investment in generation step-up transformers to the extent included in Plant in Service.
- N Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments (net of accumulated depreciation) towards the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A. Interest on the Network Credits as booked each year is added to the revenue requirement to make the Transmission Owner whole on Line 154.
- O Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the zone under Schedule 12 are included in Transmission O&M. If they are booked to account 565, they are included in on line 64.
- P Securitization bonds may be included in the capital structure per settlement in ER05-515.
- Q On November 16, 2007, the Federal Energy Regulatory Commission (FERC) granted Baltimore Gas and Electric (BGE) in Docket No. ER07-576 incentive rate treatment for 6 projects designated in the PJM Regional Transmission Expansion Plan (RTEP) as Transmission Owner Initiated (TOI). Specifically, FERC granted an additional 100 basis points to the return on equity (ROE) for these projects, resulting in a final ROE, for these projects, of 11.5%, inclusive of a base ROE of 10.0% per FERC order issued in Docket No. EL13-48 and a 50 basis point ROE transmission planning adder approved in Baltimore Gas and Electric Co., Docket No. ER07-576, by order issued on July 24, 2007.
- R Costs of Unamortized Abandoned Plant and Amortization of Abandoned Plant pre-approved for inclusion in this cell subject to Formula Rate Protocols by Commission order issued in PJM Interconnection, L.L.C. and Baltimore Gas and Electric Co., 150 FERC ¶61,054 (2015). Costs of Unamortized Abandoned Plant and Amortization of Abandoned Plant approved for inclusion in this cell subject to Formula Rate Protocols by Commission order issued in PJM Interconnection, L.L.C. and Baltimore Gas and Electric Co., 152 FERC ¶61,254 (2015).
- S See Attachment 5, Cost Support, section entitled "PBOP expense in FERC Account 926" for additional information per FERC orders in Docket Nos. EL13-48, EL15-27, and ER16-456.

Baltimore Gas and Electric Company

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Page 1 of 4

	Only Transmission Related	Plant Related	Labor Related	Total ADIT
ADIT- 282	0	(1,331,933,958)	0	
ADIT-283	0	(58,249,232)	(2,728,894)	
ADIT-190	0	17,359,229	(85,206,414)	
Subtotal	0	(1,372,823,961)	(87,935,308)	(1,460,759,269)
Wages & Salary Allocator /1		20.4208%	17.0401%	
Gross Plant Allocator				
ADIT	0	(280,341,992)	(14,984,289)	(295,326,281)

Note ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 110 Amount (2,231,529)

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns A-D and each separate ADIT item will be listed, dissimilar items with amounts exceeding \$100,000 will be listed separately.

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Page 2 of 4

ADIT-190	A Gas, Prod Or Other Related	B Only Transmission Related	C Plant Related	D Labor Related	E Justification for Assignment to Columns A-D
190	Pension Expense Provision Asset	(22,285,620)		(85,206,414)	Included because the pension asset is included in rate base. Related to accrual recognition of expense for book purposes & deductibility of cash fundings for tax purposes. The amount included is the electric portion as allocated by the application of the modified version of the Massachusetts formula.
190	Bad Debt - Change in Provision	10,370,497			Excluded because the underlying account(s) are not included in model
190	Accrued Bonus	14,724,030			Excluded because the underlying account(s) are not included in model
190	Deferred Investment Tax Credit	3,118,344			Excluded as per page 8 line 16 of Alan Heintz's direct testimony in FERC Case No. ER05-515
190	AMI Reg Liability Adjustment CEG	18,472,057			Excluded because the underlying account(s) are not included in model
190	Workers Compensation Reserve	1,630,759			Excluded because the underlying account(s) are not included in model
190	Gas Inventory Overheads CEG	704,255			Gas-related & accordingly excluded
190	BCBS Claim Adjustment CEG	1,613,703			Excluded because the underlying account(s) are not included in model
190	Addback of Other Equity Compensation	(38,766)			Excluded because the underlying account(s) are not included in model
190	Miscellaneous	3,521,640			Excluded because the underlying account(s) are not included in model
190	Gas Demand Charge CEG	1,932,320			Gas-related & accordingly excluded
190	GCRC Expenses CEG	(165,635)			Gas-related & accordingly excluded
190	Charitable Contributions NC	8,700,205			Excluded because the underlying account(s) are not included in model
190	Miscellaneous Accrued Expenses	(14,929)			Excluded because the underlying account(s) are not included in model
190	Post Retirement Benefits	73,240,753			Excluded because the underlying account(s) are not included in model
190	Net Operating Losses (Federal and State)	12,064,782		17,359,229	Electric portion included because rate base should include BGE's receivable from Maryland for tax benefits accounted for but deferred due to the NOL.
190	Vacation Pay	1,608,554			Excluded because the underlying account(s) are not included in model
	Subtotal - p234	129,196,949	0	17,359,229	(85,206,414)
	Less FASB 109 Above If not separately removed	0	0	0	0
	Less FASB 106 Above If not separately removed	0	0	0	0
	Total	129,196,949	0	17,359,229	(85,206,414)

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column A
- ADIT items related only to Transmission are directly assigned to Column B
- ADIT items related Plant and not in Columns A & B are directly assigned to Column C
- ADIT items related to labor and not in Columns A & B are directly assigned to Column D
- Since deferred income taxes arise when items are included in taxable income in different periods than they are included in rates - therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

ADIT- 282			A Gas, Prod Or Other Related	B Only Transmission Related	C Plant Related	D Labor Related	E Justification for Assignment to Columns A-D
282	Property Related ADIT, Excl ARO		(588,800,445)		(1,398,308,778)		Included because plant in service is included in rate base.
282	ARO Adjustment Property		5,690,568				Excluded because the underlying account(s) are not included in model

Subtotal - p275 (583,109,877) 0 (1,398,308,778) 0
 Less FASB 109 Above if not separately removed (26,848,242) (66,374,820)
 Less FASB 106 Above if not separately removed
 Total (556,261,635) 0 (1,331,933,958) 0

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column A
2. ADIT items related only to Transmission are directly assigned to Column B
3. ADIT items related Plant and not in Columns A & B are directly assigned to Column C
4. ADIT items related to labor and not in Columns A & B are directly assigned to Column D
5. Since deferred income taxes arise when items are included in taxable income in different periods than they are included in rates - therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Page 4 of 4

ADIT-283		A Gas, Prod Or Other Related	B Only Transmission Related	C Plant Related	D Labor Related	E Justification for Assignment to Columns A-D
283	AMI Pilot Program CEG	(3,443,070)				Excluded because the underlying account(s) are not included in model
283	AMI Req Asset Adjustment CEG	(84,599,703)				Excluded because the underlying account(s) are not included in model
283	Amort of Inc Tax Recov - Req Asset CEG	(1,794,462)				Excluded because the underlying account(s) are not included in model
283	DEFERRED FUEL - NC	(5,157,320)				Excluded because the underlying account(s) are not included in model
283	DRI Program CEG	(2,836,891)				Excluded because the underlying account(s) are not included in model
283	ENERGY EFFICIENCY PROGRAMS	(90,218,459)				Excluded because the underlying account(s) are not included in model
283	ENVIRONMENTAL CLEAN-UP COSTS PRV	(186,972)				Excluded because the underlying account(s) are not included in model
283	FIN 48 INTEREST - NONCURRENT	0				Excluded because the underlying account(s) are not included in model
283	Interest Income CEG	0				Excluded because the underlying account(s) are not included in model
283	Loss on Recquired Debt CEG	(2,231,529)				Included in cost of debt computation
283	POLR CEG	(9,056,838)				Excluded because the underlying account(s) are not included in model
283	Req Asset - Storm Cost Amort CEG	(310,926)				Excluded because the underlying account(s) are not included in model
283	Req Asset Elec Trans RI True Up CEG	(2,175,520)				Excluded because the underlying account(s) are not included in model
283	Req Asset - Med D Inc All	0				Excluded because the underlying account(s) are not included in model
283	Req Asset- ARO Electric & Gas	(4,843,177)				Excluded because the underlying account(s) are not included in model
283	Req Asset- Cost to Achieve	(2,975,634)				Excluded because the underlying account(s) are not included in model
283	Req Asset - Rate Case Case Expense	(224,099)				Excluded because the underlying account(s) are not included in model
283	Req Asset - Smart Energy Rewards	128,131				Excluded because the underlying account(s) are not included in model
283	RIF Req Asset Amort	(1,485,009)				Excluded because the underlying account(s) are not included in model
283	RSB Unamort Debt CEG	(67,407)				Excluded because the underlying account(s) are not included in model
283	Savmce Cost-Req Asset	60,218				Excluded because the underlying account(s) are not included in model
283	STRIDE Overrecovery	544,666				Excluded because the underlying account(s) are not included in model
283	ERI Overrecovery	(136,644)				Excluded because the underlying account(s) are not included in model
283	Generation Assets	(3,237,741)				Excluded because the underlying account(s) are not included in model
283	Merger Costs Current	0				Excluded because the underlying account(s) are not included in model
283	Prepaid IT Expense	(484,905)		(194,627)		Included because prepayments are included in rate base. Related to accelerated deductibility of these amounts for tax purposes.
283	Prepays	(18)		18		Included because prepayments are included in rate base. Related to accelerated deductibility of these amounts for tax purposes.
283	Property Tax Payable	(5,032,068)		(15,301,954)		Included because prepayments are included in rate base. Related to accelerated deductibility of these amounts for tax purposes.
283	Rabbie Trust & Maxi Flat Income	99,862				Excluded because the underlying account(s) are not included in model
283	Deferred Compensation	791,227				Excluded because the underlying account(s) are not included in model
283	Deferral of Maryland State Income Tax	(14,719,710)		(42,752,669)	(2,728,894)	Included to the extent underlying book-tax basis differences are included in the model.
	Subtotal - p277	(233,593,998)	-	(58,249,232)	(2,728,894)	
	Less FASB 109 Above if not separately removed					
	Less FASB 106 Above if not separately removed					
	Total	(233,593,998)	-	(58,249,232)	(2,728,894)	
	Instructions for Account 283:	(218,874,288)		(15,496,563)	0	

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column A
2. ADIT items related only to Transmission are directly assigned to Column B
3. ADIT items related Plant and not in Columns A & B are directly assigned to Column C
4. ADIT items related to labor and not in Columns A & B are directly assigned to Column D
5. Since deferred income taxes arise when items are included in taxable income in different periods than they are included in rates - therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded

Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADITC-255

	Item	Balance	Amortization
1	Rate Base Treatment		0
2	Balance to line 41 of Appendix A		
3	Amortization		
4	Amortization to line 132 of Appendix A	946,083	258,056
5	Total	946,083	258,056
6	Total Form No. 1 (p xxx.z)	Form No. 1 balance (p.266)	946,083 258,056
7	Difference /1		
8	/1 Difference must be zero		

Baltimore Gas and Electric Company
Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	Page 263 Col (i)	Allocator	Allocated Amount
Plant Related			
		Gross Plant Allocator	
1 Real property (State, Municipal or Local)	8,201,018		
2 Personal property			
3 Capital Stock Tax	84,787,103		
4 Gross Premium (insurance) Tax			
5 PURTA			
6 Corp License			
Total Plant Related	92,988,121	20.4208%	18,988,942
Labor Related			
		Wages & Salary Allocator	
7 Federal FICA	11,827,328		
8 Unemployment	259,609		
Total Labor Related	12,086,937	17.0401%	2,059,630
Other Included			
		Gross Plant Allocator	
9 Miscellaneous	361,680		
10 Use & Sales Tax	107,714		
Total Other Included	469,394	20.4208%	95,854
Total Included			21,144,426
Currently Excluded			
11 Federal Income	78,669,560		
12 Maryland Income	16,302,103		
13 Pennsylvania Income			
14 Franchise	42,840,876		
15 PSC Assessment	4,347,442		
16 Environmental Surcharge	4,283,000		
17 Pole License	603,246		
18 Fuel Energy			
19 Montgomery County Fuel Energy	3,158,171		
20 Universal Service Fund	21,621,474		
21 Total as reported on p. 263(i)	<u>277,370,324</u>		
Difference	-		
Criteria for Allocation:			
A	Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they may not be included		
B	Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they may not be included		
C	Other taxes that are assessed based on labor, will be allocated based on the Wages and Salary Allocator		
D	Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that		

Baltimore Gas and Electric Company

Attachment 3 - Revenue Credit Workpaper

Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)	11,099,521
2	Total Rent Revenues (Sum Line 1)	11,099,521
Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A	1,434,652
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	-
5	Point to Point Service revenues for which the load is not included in the divisor received by transmission owner	1,392,448
6	PJM Transitional Revenue Neutrality (Note 1)	-
7	PJM Transitional Market Expansion (Note 1)	-
8	Professional Services (Note 3)	1,311,882
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	24,622,178
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	
11	Gross Revenue Credits (Sum Lines 2-10)	39,860,681
12	Less line 17g	(7,939,497)
13	Total Revenue Credits	31,921,184
Revenue Adjustment to determine Revenue Credit		
14	Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 172 of Appendix A.	
15	Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.	
16	Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to utilize lines 17a - 17g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).	
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing	11,099,521
17b	Costs associated with revenues in line 17a	4,986,675
17c	Net Revenues (17a - 17b)	6,112,846
17d	50% Share of Net Revenues (17c/2)	3,056,423
17e	Costs associated with revenues in line 17a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.	103,601
17f	Net Revenue Credit (17d + 17e)	3,160,024
17g	Line 17f less line 17a	(7,939,497)
18	Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and is explained in the Cost Support; for example, revenues associated with distribution facilities. In addition, revenues from Schedule 12 are not included in the total above to the extent they are credited under Schedule 12.	42,922,535
19	Amount offset in line 4 above	207,452,564
20	Total Account 454 and 456	264,301,720
	FN1 #	264,301,720
	Difference	-

Baltimore Gas and Electric Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE 100 Basis Point increase in ROE and Income Taxes	(Line 126 + Line 137)	107,287,737
B	100 Basis Point increase in ROE		1.00%

Return Calculation

59	Rate Base		(Line 39 + 58)	887,350,469
	Long Term Interest			
99	Long Term Interest		p117.62c through 67c	109,993,264
100	Less LTD Interest on Securitization B (Note P)		Attachment 8	5,548,488
101	Long Term Interest		(Line 105 - 99)	104,444,776
102	Preferred Dividends	enter positive	p118.29c	7,962,260
	Common Stock			
103	Proprietary Capital		p112.16c	2,848,100,149
104	Less Preferred Stock	enter negative	(Line 192)	0
105	Less Account 216.1	enter negative	p112.12c	0
106	Common Stock		(Sum Lines 103 to 105)	2,848,100,149
	Capitalization			
107	Long Term Debt		p112.18d through 21d	2,576,685,985
108	Less Loss on Reacquired Debt	enter negative	p111.81.c	-6,949,098
109	Plus Gain on Reacquired Debt	enter positive	p113.61c	0
110	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	2,231,529
111	Less LTD on Securitization Bonds	enter negative	Attachment 8	-18,954,010
112	Total Long Term Debt		(Sum Lines 107 to 111)	2,553,014,406
113	Preferred Stock		p112.3c	0
114	Common Stock		(Line 106)	2,848,100,149
115	Total Capitalization		(Sum Lines 112 to 114)	5,401,114,555
116	Debt %	Total Long Term Debt	(Line 112 / 115)	47%
116	Preferred %	Preferred Stock	(Line 113 / 115)	0%
116	Common %	Common Stock	(Line 114 / 115)	53%
119	Debt Cost	Total Long Term Debt	(Line 101 / 112)	0.0409
120	Preferred Cost	Preferred Stock	(Line 102 / 113)	0.0000
121	Common Cost	See (Note J) on Appendix A Common Stock	Appendix A % plus 100 Basis Pts	0.1150
122	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 116 * 119)	0.0193
123	Weighted Cost of Preferred	Preferred Stock	(Line 117 * 120)	0.0000
124	Weighted Cost of Common	Common Stock	(Line 118 * 121)	0.0606
125	Total Return (R)		(Sum Lines 122 to 124)	0.0800
126	Investment Return = Rate Base * Rate of Return		(Line 59 * 125)	70,969,494

Composite Income Taxes

(Note L)

	Income Tax Rates			
127	FIT=Federal Income Tax Rate		0	35.00%
128	SIT=State Income Tax Rate or Composite		0	8.25%
129	p = percent of federal income tax deductible for state purposes			0.00%
130	T			40.36%
131	T / (1-T)	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		67.68%
	ITC Adjustment			
132	Amortized Investment Tax Credit	enter negative	p266.17f	-258,056
133	T/(1-T)		(Line 131)	67.68%
134	Net Plant Allocation Factor		(Line 18)	23.1982%
135	ITC Adjustment Allocated to Transmission	(Note I)	(Line 129 * (1 + Line 130) * Line 131)	-100,380
136	Income Tax Component =	$CIT = (T / (1 - T)) * Investment Return * (1 - (WCLTD / R)) =$		36,418,623
137	Total Income Taxes			36,318,243

Baltimore Gas and Electric Company
Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
Plant Allocation Factors							
6	Electric Plant In Service	p207.104g		7,072,383,472	7,071,602,223	781,249	Non-electric portion represents asset retirement costs.
9	Accumulated Depreciation (Total Electric Plant)	p219.29c		2,570,902,472	2,570,412,236	490,236	Non-electric portion represents asset retirement reserve.
10	Accumulated Intangible Amortization	(Note A) p200.21.c		39,160,874	39,160,874	0	
11	Accumulated Common Amortization - Electric	(Note A) p356		0	0	0	
12	Accumulated Common Plant Depreciation - Electric Plant In Service	(Note A) p356		168,925,561	160,360,676	8,564,885	Non-electric portion represents merger costs associated with the Company's mergers with Exelon (\$8,418,941) and PHI (\$693), asset retirement reserve (\$119,910), and retail specific software (\$25,340).
19	Transmission Plant In Service	p207.58.g		1,366,505,100	1,380,029,096	-13,523,996	Transmission-specific software recorded in Account 303.
23	General and Intangible Plant	p205.5.g & p207.99.g		161,865,530	129,739,869	32,125,661	Transmission-specific and distribution-specific software included in Account 303 (\$31,344,412) and asset retirement costs (\$781,249).
24	Common Plant (Electric Only)	(Notes A) p356		531,522,425	513,279,898	18,242,527	Respondent is both Electric and Gas Utility. Plant generally allocated using the net plant ratio. Non-electric portion also represents merger costs associated with the Company's mergers with Exelon (\$12,617,999) and PHI (\$41,602), asset retirement costs (\$4,062,523) and retail specific software (\$1,520,403).
Accumulated Depreciation							
30	Transmission Accumulated Depreciation	p219.25.c		387,044,314	394,140,531	-7,096,217	Transmission-specific software recorded in Account 303.
31	Accumulated General Depreciation	p219.28.c		37,689,900	37,199,664	490,236	Non-electric portion represents asset retirement reserve.
32	Accumulated Intangible Amortization	(Note A) p200.21c		39,160,874	24,123,642	15,037,232	Transmission-specific and distribution-specific software included in Account 303.
41	Accumulated Deferred Income Taxes	(Notes A & I) p266.h		0	0	0	Respondent amortizes investment tax credits against income tax expense. Therefore zero is reported on this line.
47	Materials and Supplies Undistributed Stores Exp	(Note A) p227.6c & 16.c		0	0	0	Respondent is both Electric and Gas Utility. Undistributed stores expense allocated using the net plant ratio.
Allocated General & Common Expenses							
65	Plus Transmission Lease Payments	(Note A)	Attachment 5				
67	Common Plant O&M	(Note A) p356.1		0	0	0	Respondent is both Electric and Gas Utility. Common allocated to gas and electric using the Modified version of the Massachusetts Formula approved by the MD PSC.
Depreciation Expense							
85	Transmission Depreciation	p336.7b&c		31,572,418	32,412,596	-840,178	Transmission-specific software amortization recorded as intangible amortization.
86	General Depreciation	p336.10 b&c		5,898,960	5,898,960	0	
87	Intangible Amortization	(Note A) p336.1.d		5,650,428	3,352,526	2,297,902	Transmission-specific and distribution-specific software amortization recorded as intangible amortization.
90	General Depreciation Allocated to Transmission	General Depreciation multiplied by wage and salary allocator		1,576,465	1,576,465	0	
91	Common Depreciation - Electric Only	(Note A) Page 356		20,274,059	19,875,625	398,434	Amount in Form 1 is already electric only. Non-electric portion represents depreciation related to capital merger costs associated with the Company's merger with Exelon.
92	Common Amortization - Electric Only	(Note A) Page 356		27,096,863	25,341,278	1,755,585	Amount in Form 1 is already electric only. Non-electric portion represents depreciation related to capital merger costs associated with the Company's mergers with Exelon (\$1,730,923) and PHI (\$657) and retail specific software (\$24,005).

Transmission / Non-transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
28	Plant Held for Future Use (Including Land)	(Note C)	Attachment 5	25,681,269	13,115,103	12,566,166	Specific identification based on plant records
					6,441,624		1 Hanover Pike
					5,646,897		2 Monument Front Street
					1,003,037		3 Mays Chapel
					23,545		4 Cold Spring-Camp Small
						3,029,940	5 Russett East
						9,536,226	6 Distribution
					13,115,103	12,566,166	

CWIP & Expensed Lease Worksheet

Baltimore Gas and Electric Company

Attachment 5 - Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	CWIP In Form 1 Amount	Expensed Lease in Form 1 Amount	Details
6	Plant Allocation Factors Electric Plant In Service Plant In Service	0	Attachment 5		0	0	See Form 1
19	Transmission Plant In Service	0	Attachment 5		0	0	See Form 1
24	Common Plant (Electric Only) Accumulated Depreciation	(Notes A)	Attachment 5		0	0	Electric / non-electric cost support above
30	Transmission Accumulated Depreciation	0	Attachment 5		0	0	See Form 1

Transmission O&M

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-Transmission Related	Details
65	Transmission Lease Payments	(Note A) p200.4.c		15,181,104	0	15,181,104	Form 1 amount is electric distribution only.

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	EPRI Dues	Details
72	Allocated General & Common Expenses Less EPRI Dues	(Note D) p352-353		386,756	386,756	EPRI Dues paid by Holding company (Constellation Energy)

Total Electric Administrative & General Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Merger Costs	Not Merger Related	Details
68	Allocated General & Common Expenses Total A&G	0 p323.197b		190,296,554	4,145,766	186,150,787.54	Merger costs associated with PHI's merger with Exelon (\$4,145,766)

Regulatory Expense Related to Transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-Transmission Related	Details
70	Allocated General & Common Expenses Less Regulatory Commission Exp Account 928	(Note E) p323.189.b		250,956			
76	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G) p323.189b			19,807	231,149	Included amount associated with proceedings before FERC.

Safety Related Advertising Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non-safety Related	Details
80	Directly Assigned A&G General Advertising Exp Account 930.1	(Note F) p323.191.b		1,479,318			Electric's share of common advertising associated with safety

MultiState Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				State 1	State 2	State 3	State 4	State 5	Details
128	Income Tax Rates SIT-State Income Tax Rate or Composite	(Note I)	0	Maryland 8.25%	Enter State Enter %	Enter State Enter %	Enter State Enter %	Enter State Enter %	Enter Calculation Maryland Only

Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Education & Outreach	Other	Details
77	Directly Assigned A&G General Advertising Exp Account 930.1	(Note K) p323.191.b		1,479,318	0	0	

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
148	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities	(Note M)	Attachment 5	0	General Description of the Facilities
Instructions:				Enter \$	None

Baltimore Gas and Electric Company

Attachment 5 - Cost Support

- 1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process
 - 2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:
Example
- | | |
|--|-----------|
| A Total investment in substation | 1,000,000 |
| B Identifiable investment in Transmission (provide workpapers) | 500,000 |
| C Identifiable investment in Distribution (provide workpapers) | 400,000 |
| D Amount to be excluded (A x (C / (B + C))) | 444,444 |

Or Enter \$

Add more lines if necessary

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Outstanding Network Credits	Description of the Credits
55	Network Credits Outstanding Network Credits	(Note N)	From PJM	0 Enter \$	General Description of the Credits None
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0 Enter \$	None

Add more lines if necessary

Transmission Related Account 242 Reserves

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Allocation	Transmission Related	Details
44	Transmission Related Account 242 Reserves (exclude current year environmental site related reserves)	Enter \$		Amount	
	Directly Assignable to Transmission	-	100%	-	
	Labor Related, General plant related or Common Plant related	-	17.04%	-	
	Plant Related	-	20.42%	-	
	Other	-	0.00%	-	
	Total Transmission Related Reserves	-		-	

Baltimore Gas and Electric Company

Attachment 5 - Cost Support

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Utility Total Amount	Electric Portion	Non-electric Portion	Description of the Prepayments	
45	Prepayments		Allocator					
	Prepayments except Prepaid Pensions	16,613,157	23.198%	3,853,948	22,153,215	16,613,157	5,540,057	Primarily taxes. BGE is combination utility.
	Prepaid Pensions	211,473,114	17.040%	36,035,290	297,012,801	211,473,114	85,539,687	Pension asset is the extent to which inception to date investor contributions are higher than actually determined levels of pension cost. The pension asset is funded by investor-supplied capital.
	Total			39,889,239				

Extraordinary Property Loss

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Amount	Number of years	Amortization	w/ interest
61	Less extraordinary property losses		Attachment 5				
62	Plus amortization of extraordinary property losses		Attachment 5			5 \$	- \$

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Outstanding Network Credits	Description of the Credits
55	Network Credits Outstanding Network Credits	(Note N)	From PJM	0	General Description of the Credits
				Enter \$	None
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0	
				Enter \$	None

Add more lines if necessary

Abandoned Plant Calculations

Description	Model Reference	Dedicated Facilities	MAPP	
a	Beginning Balance of Unamortized Transmission Projects	Per PJM Interconnection, L.L.C. and Baltimore Gas & Electric Co., 150 FERC ¶ 61,054 (2015) and PJM Interconnection, L.L.C. and Baltimore Gas & Electric Co., 152 FERC ¶ 61,254 (2015)	0	1,159,350
b	Years remaining in Amortization Period	Per PJM Interconnection, L.L.C. and Baltimore Gas & Electric Co., 150 FERC ¶ 61,054 (2015) and PJM Interconnection, L.L.C. and Baltimore Gas & Electric Co., 152 FERC ¶ 61,254 (2015)		1
c	Amortization of Limited Term Plant ¹	(line a / line b)	#DIV/0!	1,159,350
d	Ending Balance of Unamortized Transmission Projects	(line a - line c)		
e	Transmission Projects ²	(line a + d)/2	0	579,675
f	Non-Incentive Return and Income Taxes	(Appendix A line 144+ line 145)	99,441,749	99,441,749
g	Rate Base	(Appendix A line 59)	887,350,469	887,350,469
h	Non-Incentive Return and Income Taxes ³	(line f / line g)	0.112065922	0.112065922

1- See row 85a, Appendix A. See also amortization included in Attachment 7 revenue requirement calculation.
2- See row 44a, Appendix A. See also investment included in Attachment 7 revenue requirement calculation.
3- Carrying charge rate to be used when computing the revenue requirement for all abandonment plant facilities (see Attachment 7).

Interest on Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Interest on Network Credits	Description of the Interest on the Credits
--	--	-----------------------------	--

Baltimore Gas and Electric Company

Attachment 5 - Cost Support

154	Interest on Network Credits	(Note N)	PJM Data	0	General Description of the Credits
				Enter \$	None
<i>Add more lines if necessary</i>					

Facility Credits under Section 30.9 of the PJM OATT paid by Utility

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Description & PJM Documentation
171	Net Revenue Requirement Net Zonal Revenue Requirement	-	

True-Up Amount

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Calculated Per Attachment e	Adjustments	Amount Per Attachment A	Details
168	Net Revenue Requirement True-up amount	7,556,265	0	7,556,265	

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		1 CP Peak	Description & PJM Documentation
172	Network Zonal Service Rate 1 CP Peak	6.601	PJM Zonal Peak Load per 34.1 of the PJM OATT

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
BG&E Zone	6712	27,285	32,851	183,135,541	216,851,881	33,716,340
Total				183,135,541	216,851,881	33,716,340

Baltimore Gas and Electric Company

Attachment 5 - Cost Support

PBOP Expense in FERC 926		Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Total A&G Form 1 Amount	Account 926 Form 1 Amount	PBOP in FERC 926 current rate year	PBOP in FERC 926 prior rate year	Explanation of change in PBOP in FERC 926
68a	Total A&G	Total: p.323.197.b Account 926: p.323.187.b and c	190,296,554	51,499,433	6,927,760	6,657,420	Increase associated with updated participant census data as of January 1, 2016 and revised actuarial assumptions, including a lower discount rate.			

Baltimore Gas and Electric Company

Attachment 5a - Allocations of Costs to Affiliates

Summary of Administrative and General Expense (A&G) Charged to BGE by Exelon Business Services Company (BSC)

Expense Items	Amount	Amount
	Allocated to BG&E Electric	Allocated to BG&E Gas
A&G	\$89,434,803	\$36,175,875

Explanation of the method

Exelon Business Services Company (BSC) costs are distributed to all affiliates. Appropriate cost allocation factors are assigned to the various headquarters functions to be distributed. This BSC cost distribution approach is documented in BGE's Cost Allocation Manual which is periodically filed with the Maryland Public Service Commission.

Costs distributed to BGE are recorded to the appropriate common A&G expense accounts on BGE's books. All common expenses (including allocations of cost from the BSC) are distributed to the electric and gas lines of business as noted on page 356.1 of the FERC Form 1. Specifically, the ratio to distribute common regulated utility expenses to gas and electric is based on a modified version of the Massachusetts formula and is influenced by each line of business's share of total utility labor, depreciation, amortization, and taxes. BGE has consistently used this approach to distribute common costs to the gas and electric lines of business for the last 20 plus years with no adverse comment from state or federal regulators during this interval.

Actual calculation of the results of the method for 2016:

In 2016 the regulated electric business received 71.2% of common utility expenses and gas received a 28.8% share.

Baltimore Gas and Electric Company

Attachment 6 - Estimate and True-up Worksheet

Step Month Year Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 for Year 1 (e.g., 2004)
- 2 April Year 2 TO estimates all transmission Cap Adds for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)
- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
- 4 May Year 2 Post results of Step 3 on PJM web site
- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)

- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)
- 7 April Year 3 TO estimates Cap Adds during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)
- 8 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds in Reconciliation (adjusted to include any Reconciliation amount from prior year)
- 9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 8 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)
- 10 May Year 3 Post results of Step 9 on PJM web site
- 11 June Year 3 Results of Step 9 go into effect for Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 for Year 1 (e.g., 2004)

	\$ 174,227,146	Rev Req based on Year 1 data without Cap Adds	Must run Appendix A to get this number (without any cap adds in line 21)
--	----------------	---	--

- 2 April Year 2 TO estimates all transmission Cap Adds for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	4,716,609	11.5	54,240,999	4,520,083
Feb	3,220,502	10.5	33,815,268	2,817,939
Mar	1,925,824	9.5	18,295,326	1,524,610
Apr	9,634,491	8.5	81,893,177	6,824,431
May	6,904,660	7.5	51,784,950	4,315,412
Jun	1,296,460	6.5	8,426,988	702,249
Jul	5,527,256	5.5	30,399,908	2,533,326
Aug	3,259,629	4.5	14,668,333	1,222,361
Sep	(701,472)	3.5	(2,455,152)	(204,596)
Oct	9,068,956	2.5	22,672,390	1,889,366
Nov	3,784,044	1.5	5,676,066	473,005
Dec	15,078,503	0.5	7,539,252	628,271
Total			326,957,503	27,246,459
New Transmission Plant Additions for Year 2 (weighted by months in service)				27,246,459

- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula

	\$ 27,246,459	Input to Formula Line 21
--	---------------	--------------------------

- 4 May Year 2 Post On PJM Web Site Rev Req and Formula with Exhibits

	\$ 177,319,887	Must run Appendix A to get this number (with prospective weighted cap adds in line 21)
--	----------------	--

- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)

	\$ 177,319,887
--	----------------

- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)

	\$ 201,339,910	Rev Req based on Year 1 data without Cap Adds Must run Appendix A to get this number (without any cap adds in line 21 of Appendix A)
--	----------------	--

- 7 April Year 3 TO estimates Cap Adds during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	997,001	11.5	11,465,510	955,459
Feb	1,124,119	10.5	11,803,249	983,604
Mar	2,740,179	9.5	26,031,696	2,169,308
Apr	1,651,560	8.5	14,038,258	1,169,855
May	9,996,595	7.5	74,974,462	6,247,872
Jun	57,398,843	6.5	373,092,482	31,091,040
Jul	3,319,192	5.5	18,255,556	1,521,296
Aug	6,654,493	4.5	29,945,219	2,495,435
Sep	5,903,422	3.5	20,661,979	1,721,832
Oct	51,141,311	2.5	127,853,277	10,654,440
Nov	2,206,796	1.5	3,310,194	275,849
Dec	218,332	0.5	109,166	9,097
Total			711,541,047	59,295,087
New Transmission Plant Additions for Year 3 (weighted by months in service)				59,295,087 Input to Formula Line 21

- 8 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the Total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds in Reconciliation

Remove all Cap Adds placed in service in year 2
For Reconciliation only - remove actual New Transmission Plant Additions for Year 2 205,861,178 Input to Formula Line 20

Add weighted Cap Adds actually placed in service in Year 2

	Actual In Service Date	Weighting	Amount	One 12th
Jan	1,865,845	11.5	21,457,213	1,788,101
Feb	960,402	10.5	10,084,226	840,352
Mar	1,751,375	9.5	16,638,061	1,386,505
Apr	1,516,769	8.5	12,892,533	1,074,378
May	4,859,804	7.5	36,448,532	3,037,378
Jun	1,581,042	6.5	10,276,773	856,398
Jul	1,559,366	5.5	8,576,515	714,710
Aug	38,594,959	4.5	173,677,316	14,473,110
Sep	65,890,862	3.5	230,618,016	19,218,168
Oct	3,068,079	2.5	7,670,197	639,183
Nov	6,359,732	1.5	9,539,599	794,967
Dec	77,852,943	0.5	38,926,471	3,243,873
Total	205,861,178		576,805,451	48,067,121

New Transmission Plant Additions for Year 2 (weighted by months in service) 48,067,121 Input to Formula Line 21

184,599,806 Result of Formula for true-up Must run Appendix A with cap adds from row 99 in line 21 & line 20 filled as per row 85 to get this number
(Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)

99,630,892

9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 8 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

The true-up in Step 8	The forecast in Prior Year	=	
184,599,806	177,319,887	=	7,279,919

Interest on Amount of Refunds or Surcharges
Interest 35.19a for March Current Yr 0.3000%

Month	Yr	1/12 of Step 9	Interest 35.19a for March Current Yr	Months	Interest	Refunds Owed
Jun	2005	606,660	0.3000%	11.5	20,930	627,590
Jul	2005	606,660	0.3000%	10.5	19,110	625,770
Aug	2005	606,660	0.3000%	9.5	17,290	623,950
Sep	2005	606,660	0.3000%	8.5	15,470	622,130
Oct	2005	606,660	0.3000%	7.5	13,650	620,310
Nov	2005	606,660	0.3000%	6.5	11,830	618,490
Dec	2005	606,660	0.3000%	5.5	10,010	616,670
Jan	2006	606,660	0.3000%	4.5	8,190	614,850
Feb	2006	606,660	0.3000%	3.5	6,370	613,030
Mar	2006	606,660	0.3000%	2.5	4,550	611,210
Apr	2006	606,660	0.3000%	1.5	2,730	609,390
May	2006	606,660	0.3000%	0.5	910	607,570
Total		7,279,919				7,410,958

	Balance	Interest	Amort	Balance	
Jun	2006	7,410,958	0.3000%	629,689	6,803,502
Jul	2006	6,803,502	0.3000%	629,689	6,194,224
Aug	2006	6,194,224	0.3000%	629,689	5,583,118
Sep	2006	5,583,118	0.3000%	629,689	4,970,178
Oct	2006	4,970,178	0.3000%	629,689	4,355,400
Nov	2006	4,355,400	0.3000%	629,689	3,738,777
Dec	2006	3,738,777	0.3000%	629,689	3,120,305
Jan	2007	3,120,305	0.3000%	629,689	2,499,977
Feb	2007	2,499,977	0.3000%	629,689	1,877,788
Mar	2007	1,877,788	0.3000%	629,689	1,253,733
Apr	2007	1,253,733	0.3000%	629,689	627,805
May	2007	627,805	0.3000%	629,689	-
Total with interest				7,556,265	

The difference between the true-up in Step 8 and the forecast in Prior Year with interest 7,556,265
 Rev Req based on Current Year data with estimated Cap Adds for Year 3 (Step 8) \$ 209,295,616 Must run Appendix A to get this number (with prospective weighted cap adds in line 21)
 Revenue Requirement for Year 3 216,851,881

10 May Year 3 Post results of Step 9 on PJM web site
 \$ 216,851,881 Post On PJM Web Site Rev Req and Formula with Exhibits

11 June Year 3 Results of Step 9 go into effect for Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)
 \$ 216,851,881

New Plant Carrying Charge

FCR if not a CIAC

Formula Line				
A	159	Net Plant Carrying Charge without Depreciation		17.8307%
B	166	Net Plant Carrying Charge per 100 basis point increase in ROE without Depreciation		18.6260%
C		Line B less Line A		0.7954%

FCR if a CIAC

D	160	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		7.7501%
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The FCR resulting from Formula in a given year is used for that year only.

Therefore actual revenues collected in a year do not change based on cost data for subsequent years

Per FERC's orders in Docket No. ER07-576, the Conastone and Waugh Chapel substation projects, the Downtown Project, and the Northwest to Finksburg project get an ROE of 11.5%.

The rest of transmission rate base gets an ROE of 10.5% which includes a 50 basis point RTO planning participation adder approved in Baltimore Gas and Electric Co., Docket No. ER07-576, by order issued on July 24, 2007.

Details		Conastone 500kV Substation Project- 2008				Waugh Chapel 500 kV Substation Project 2008				Downtown Project 2007				Northwest to Finksburg 2009				Downtown Project 2008				Conastone kV Substat	
Schedule 12	(Yes or No)	Yes	44	No	100	Yes	44	No	100	No	44	No	100	No	44	No	100	No	44	Yes	44		
Life	(Yes or No)	44	No	No	100	No	No	No	100	No	No	No	100	No	No	No	100	No	No	No	No		
CIAC	(Yes or No)	No	No	No	100	No	No	No	100	No	No	No	100	No	No	No	100	No	No	No	No		
ROE Incentive (Basis Points)		100																					
FCR W/O Incentive		17.8307%				0.178306533				0.178306533				0.178306533						0.178306533			
FCR for This Project		0.186260147				0.186260147				0.186260147				0.186260147						0.186260147			
Investment		19,614,847	may be weighted average of small projects			5,096,993	may be weighted average of small projects			13,438,469	may be weighted average of small projects			5,249,918	may be weighted average of small projects					2,565,891	may be weighted average of small projects	30,504,919	may be weighted
Annual Depreciation Exp		445,792				115,841				305,420				119,316						58,316		693,294	
In Service Month (1-12)		9	may be weighted average of small projects			6				9	may be weighted average of small projects			10	may be weighted average of small projects					2	may be weighted average of small projects	10	may be weighted
Invest Yr	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	
W/O Enhancement	2004																						
W Enhancement	2004																						
W/O Enhancement	2005																						
W Enhancement	2005																						
W/O Enhancement	2006																						
W Enhancement	2006																						
W/O Enhancement	2007									13,438,469	76,355	13,362,115	671,993										
W Enhancement	2007									13,438,469	76,355	13,362,115	698,562										
W/O Enhancement	2008	19,614,847	111,448	19,503,399	980,844	5,096,993	57,920	5,039,073	507,170	13,362,115	305,420	13,056,695	2,633,514							2,565,891	48,596	2,517,295	422,638
W Enhancement	2008	19,614,847	111,448	19,503,399	1,019,625	5,096,993	57,920	5,039,073	527,210	13,362,115	305,420	13,056,695	2,737,362							2,565,891	48,596	2,517,295	439,323
W/O Enhancement	2009	19,503,399	445,792	19,057,607	3,843,888	5,039,073	115,841	4,923,232	993,685	13,056,695	305,420	12,751,275	2,579,055	5,249,918	19,886	5,230,032	175,311			5,249,918	58,316	2,458,979	496,768
W Enhancement	2009	19,503,399	445,792	19,057,607	3,995,465	5,039,073	115,841	4,923,232	1,032,843	13,056,695	305,420	12,751,275	2,680,474	5,249,918	19,886	5,230,032	182,244			5,249,918	58,316	2,458,979	516,325
W/O Enhancement	2010	19,057,607	445,792	18,611,815	3,764,400	4,923,232	115,841	4,807,391	973,030	12,751,275	305,420	12,445,855	2,524,597	5,230,032	119,316	5,110,716	1,030,590			5,230,032	58,316	2,400,663	486,370
W Enhancement	2010	19,057,607	445,792	18,611,815	3,912,431	4,923,232	115,841	4,807,391	1,011,266	12,751,275	305,420	12,445,855	2,623,587	5,230,032	119,316	5,110,716	1,071,239			5,230,032	58,316	2,400,663	505,464
W/O Enhancement	2011	18,611,815	445,792	18,166,023	3,684,913	4,807,391	115,841	4,691,550	952,375	12,445,855	305,420	12,140,436	2,470,139	5,110,716	119,316	4,991,399	1,009,315			4,991,399	58,316	2,342,348	475,972
W Enhancement	2011	18,611,815	445,792	18,166,023	3,829,398	4,807,391	115,841	4,691,550	989,690	12,445,855	305,420	12,140,436	2,566,699	5,110,716	119,316	4,991,399	1,049,015			4,991,399	58,316	2,342,348	494,602
W/O Enhancement	2012	18,166,023	445,792	17,720,231	3,605,425	4,691,550	115,841	4,575,710	931,720	12,140,436	305,420	11,835,016	2,415,680	4,991,399	119,316	4,872,083	988,041			4,872,083	58,316	2,284,032	465,573
W Enhancement	2012	18,166,023	445,792	17,720,231	3,746,365	4,691,550	115,841	4,575,710	968,113	12,140,436	305,420	11,835,016	2,509,812	4,991,399	119,316	4,872,083	1,026,791			4,872,083	58,316	2,284,032	483,740
W/O Enhancement	2013	17,720,231	445,792	17,274,439	3,525,937	4,575,710	115,841	4,459,869	911,065	11,835,016	305,420	11,529,596	2,361,222	4,872,083	119,316	4,752,767	966,766			4,752,767	58,316	2,225,716	455,175
W Enhancement	2013	17,720,231	445,792	17,274,439	3,663,332	4,575,710	115,841	4,459,869	946,537	11,835,016	305,420	11,529,596	2,452,924	4,872,083	119,316	4,752,767	1,004,567			4,752,767	58,316	2,225,716	472,878
W/O Enhancement	2014	17,274,439	445,792	16,828,647	3,446,450	4,459,869	115,841	4,344,028	890,409	11,529,596	305,420	11,224,176	2,306,764	4,752,767	119,316	4,633,450	945,491			4,633,450	58,316	2,167,400	444,777
W Enhancement	2014	17,274,439	445,792	16,828,647	3,580,298	4,459,869	115,841	4,344,028	924,960	11,529,596	305,420	11,224,176	2,396,036	4,752,767	119,316	4,633,450	982,343			4,633,450	58,316	2,167,400	462,016
W/O Enhancement	2015	16,828,647	445,792	16,382,855	3,366,962	4,344,028	115,841	4,228,187	869,754	11,224,176	305,420	10,918,756	2,252,305	4,633,450	119,316	4,514,134	924,216			4,514,134	58,316	2,109,085	434,379
W Enhancement	2015	16,828,647	445,792	16,382,855	3,497,265	4,344,028	115,841	4,228,187	903,384	11,224,176	305,420	10,918,756	2,339,149	4,633,450	119,316	4,514,134	960,120			4,514,134	58,316	2,109,085	451,154
W/O Enhancement	2016	16,382,855	445,792	15,937,063	3,287,475	4,228,187	115,841	4,112,347	849,099	10,918,756	305,420	10,613,337	2,197,847	4,394,818	119,316	4,394,818	902,941			4,394,818	58,316	2,050,769	423,981
W Enhancement	2016	16,382,855	445,792	15,937,063	3,414,232	4,228,187	115,841	4,112,347	881,807	10,918,756	305,420	10,613,337	2,282,261	4,394,818	119,316	4,394,818	937,896			4,394,818	58,316	2,050,769	440,292
W/O Enhancement	2017	15,937,063	445,792	15,491,271	3,207,987	4,112,347	115,841	3,996,506	828,444	10,613,337	305,420	10,307,917	2,143,389	4,394,818	119,316	4,275,501	881,666			4,275,501	58,316	2,050,769	413,583
W Enhancement	2017	15,937,063	445,792	15,491,271	3,331,198	4,112,347	115,841	3,996,506	860,231	10,613,337	305,420	10,307,917	2,225,374	4,394,818	119,316	4,275,501	915,672			4,275,501	58,316	2,050,769	429,430
W/O Enhancement	2018	15,491,271	445,792	15,045,479	3,128,499	3,996,506	115,841	3,880,665	807,789	10,307,917	305,420	10,002,497	2,088,930	4,156,185	119,316	4,156,185	860,391			4,156,185	58,316	1,992,453	403,185
W Enhancement	2018	15,491,271	445,792	15,045,479	3,248,165	3,996,506	115,841	3,880,665	838,654	10,307,917	305,420	10,002,497	2,168,486	4,156,185	119,316	4,156,185	893,448			4,156,185	58,316	1,992,453	418,568
W/O Enhancement	2019	15,045,479	445,792	14,599,687	3,049,012	3,880,665	115,841	3,764,824	787,134	10,002,497	305,420	9,697,077	2,034,472	4,036,869	119,316	4,036,869	839,116			4,036,869	58,316	1,875,822	392,787
W Enhancement	2019	15,045,479	445,792	14,599,687	3,165,132	3,880,665	115,841	3,764,824	817,077	10,002,497	305,420	9,697,077	2,111,599	4,036,869	119,316	4,036,869	871,224			4,036,869	58,316	1,875,822	407,707
W/O Enhancement	2020	14,599,687	445,792	14,153,895	2,969,524	3,764,824	115,841	3,648,984	766,478	9,697,077	305,420	9,391,658	1,980,014	4,036,869	119,316	3,917,552	817,842			3,917,552	58,316	1,875,822	382,389
W Enhancement	2020	14,599,687	445,792	14,153,895	3,082,099	3,764,824	115,841	3,648,984	795,501	9,697,077	305,420	9,391,658	2,054,711	4,036,869	119,316	3,917,552	849,000			3,917,552	58,316	1,875,822	396,845
W/O Enhancement	2021	14,153,895	445,792	13,708,104	2,890,036	3,648,984	115,841	3,533,143	745,823	9,391,658	305,420	9,086,238	1,925,555	3,798,236	119,316	3,798,236	795,567			3,798,236	58,316	1,875,822	367,190
W Enhancement	2021	14,153,895	445,792	13,708,104	2,999,065	3,648,984	115,841	3,533,143	773,924	9,391,658	305,420	9,086,238	1,997,824	3,798,236	119,316	3,798,236	826,776			3,798,236	58,316	1,875,822	385,983
W/O Enhancement	2022	13,708,104	445,792	13,262,312	2,810,549	3,533,143	115,841	3,417,302	725,168	9,086,238	305,420	8,780,818	1,817,097	3,559,603	119,316	3,559,603	757,292			3,559,603	58,316	1,759,190	361,593
W Enhancement	2022	13,708,104</																					

Table with 21 columns containing financial data for years 2031-2061, categorized by W Enhancement and W/O Enhancement. Includes various revenue and cost figures.

NOTES: To accommodate varying in-service dates for different phases of these projects, it may be necessary to perform the above calculations by vintage.

Lives shown above are illustrative only. The Dedicated Facility Project revenue requirement grid(s) shown above reflect the revenue requirements associated with a directly assigned transmission charge. The revenue requirement associated with this project in any given year is included on line 146 of Attachment H-2A ("the Gross Revenue Requirement") of BGE's formula rate model.

In the event the facilities associated with the directly assigned transmission charge are abandoned: The Dedicated Facility Project- Abandonment revenue requirement grid(s) shown above reflect the revenue requirements associated with the abandonment costs regulatory asset as it pertains to the directly assigned transmission charge.

Revenue requirements associated with abandoned plant will be billed to the zones that would have borne cost responsibility if the underlying assets had been placed in service, in accordance with existing PJM cost assignment policies.

New Plant Carrying Charge

FCR if not a CIAC

	Formula Line
A	159
B	166
C	

FCR if a CIAC

D	160
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The FCR resulting from Formula in a gov
Therefore actual revenues collected in a
Per FERC's orders in Docket No. ER07-5
The rest of transmission rate base gets 2

Details		ion Project 2009				Waugh Chapel 500kV Substation Project- 2009				Downtown Project 2009				Waugh Chapel 500 kV Substation Project 2010				Constanete 500kV Substation Project- 2010				Downtown Project 2010				N
Schedule 12	(Yes or No)					Yes				No				Yes				Yes				No				No
Life						44				44				44				44				44				44
CIAC	(Yes or No)					No				No				No				No				No				No
ROE Incentive (Basis Points)						100				100				100				100				100				100
FCR W/O Incentive						0.178306533				0.178306533				0.178306533				0.178306533				0.178306533				0.178306533
FCR for This Project						0.186260147				0.186260147				0.186260147				0.186260147				0.186260147				0.186260147
Investment	average of small projects	19,836,665	may be weighted average of small projects		202,307	may be weighted average of small projects			202,307	may be weighted average of small projects			13,004,087	may be weighted average of small projects			4,878,144	may be weighted average of small projects			39,817,018	may be weighted average of small projects			365,679	
Annual Depreciation Exp		450,833			4,598			4,598			295,547			110,867			110,867			904,932			8,311			
In Service Month (1-12)	average of small projects	11	may be weighted average of small projects		6	may be weighted average of small projects		6	may be weighted average of small projects		10	may be weighted average of small projects		6	may be weighted average of small projects		6	may be weighted average of small projects		9	may be weighted average of small projects		12			
Invest Yr	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning			
W/O Enhancement	2004																									
W Enhancement	2004																									
W/O Enhancement	2005																									
W Enhancement	2005																									
W/O Enhancement	2006																									
W Enhancement	2006																									
W/O Enhancement	2007																									
W Enhancement	2007																									
W/O Enhancement	2008																									
W Enhancement	2008																									
W/O Enhancement	2009	30,389,370	1,018,653	19,836,665	37,569	19,799,096	331,762	202,307	2,299	200,008	20,130															
W Enhancement	2009	30,389,370	1,058,937	19,836,665	37,569	19,799,096	344,885	202,307	2,299	200,008	20,926															
W/O Enhancement	2010	29,696,076	5,988,298	19,799,096	450,833	19,348,262	3,900,755	200,008	4,598	195,410	39,441	13,004,087	49,258	12,954,829	434,246	4,878,144	55,433	4,822,711	485,394	39,817,018	226,233	39,590,785	1,991,057	365,679		
W Enhancement	2010	29,696,076	6,224,489	19,799,096	450,833	19,348,262	4,054,643	200,008	4,598	195,410	40,995	13,004,087	49,258	12,954,829	451,419	4,878,144	55,433	4,822,711	504,573	39,817,018	226,233	39,590,785	2,069,779	365,679		
W/O Enhancement	2011	29,002,783	5,864,679	19,348,262	450,833	18,897,429	3,820,368	195,410	4,598	190,812	38,621	12,954,829	295,547	12,659,282	2,552,780	4,822,711	110,867	4,711,844	951,019	39,590,785	904,932	38,685,853	7,802,873	365,679		
W Enhancement	2011	29,002,783	6,095,356	19,348,262	450,833	18,897,429	3,970,671	195,410	4,598	190,812	39,441	12,954,829	295,547	12,659,282	2,653,467	4,822,711	110,867	4,711,844	988,496	39,590,785	904,932	38,685,853	8,110,565	365,679		
W/O Enhancement	2012	28,309,489	5,741,060	18,897,429	450,833	18,446,596	3,739,982	190,812	4,598	186,214	37,801	12,659,282	295,547	12,363,734	2,500,082	4,711,844	110,867	4,600,977	931,251	38,685,853	904,932	37,780,921	7,641,517	357,368		
W Enhancement	2012	28,309,489	5,966,223	18,897,429	450,833	18,446,596	3,886,699	190,812	4,598	186,214	39,282	12,659,282	295,547	12,363,734	2,598,418	4,711,844	110,867	4,600,977	967,846	38,685,853	904,932	37,780,921	7,942,012	357,368		
W/O Enhancement	2013	27,616,196	5,617,442	18,446,596	450,833	17,995,762	3,659,595	186,214	4,598	181,617	36,981	12,363,734	295,547	12,068,187	2,447,384	4,600,977	110,867	4,490,110	911,483	37,780,921	904,932	36,875,989	7,480,162	349,057		
W Enhancement	2013	27,616,196	5,837,090	18,446,596	450,833	17,995,762	3,802,727	186,214	4,598	181,617	38,426	12,363,734	295,547	12,068,187	2,543,370	4,600,977	110,867	4,490,110	947,195	37,780,921	904,932	36,875,989	7,731,459	349,057		
W/O Enhancement	2014	26,922,902	5,493,823	17,995,762	450,833	17,544,929	3,579,209	181,617	4,598	177,019	36,161	12,068,187	295,547	11,772,639	2,394,686	4,490,110	110,867	4,379,243	891,715	36,875,989	904,932	35,971,056	7,318,807	340,746		
W Enhancement	2014	26,922,902	5,707,957	17,995,762	450,833	17,544,929	3,718,754	181,617	4,598	177,019	37,569	12,068,187	295,547	11,772,639	2,488,321	4,490,110	110,867	4,379,243	926,545	36,875,989	904,932	35,971,056	7,604,906	340,746		
W/O Enhancement	2015	26,229,608	5,370,204	17,544,929	450,833	17,094,096	3,498,822	177,019	4,598	172,421	35,342	11,772,639	295,547	11,477,092	2,341,988	4,379,243	110,867	4,268,376	871,946	35,971,056	904,932	35,066,124	7,157,451	332,435		
W Enhancement	2015	26,229,608	5,578,824	17,544,929	450,833	17,094,096	3,634,782	177,019	4,598	172,421	36,713	11,772,639	295,547	11,477,092	2,433,272	4,379,243	110,867	4,268,376	905,895	35,971,056	904,932	35,066,124	7,436,354	332,435		
W/O Enhancement	2016	25,536,315	5,246,585	17,094,096	450,833	16,643,262	3,418,436	172,421	4,598	167,823	34,522	11,477,092	295,547	11,181,545	2,289,290	4,268,376	110,867	4,157,509	852,178	35,066,124	904,932	34,161,192	6,996,096	324,125		
W Enhancement	2016	25,536,315	5,449,691	17,094,096	450,833	16,643,262	3,550,810	172,421	4,598	167,823	35,857	11,477,092	295,547	11,181,545	2,378,224	4,268,376	110,867	4,157,509	885,245	35,066,124	904,932	34,161,192	7,267,801	324,125		
W/O Enhancement	2017	24,843,021	5,122,967	16,643,262	450,833	16,192,429	3,338,049	167,823	4,598	163,225	33,702	11,181,545	295,547	10,885,997	2,236,592	4,157,509	110,867	4,046,642	832,410	34,161,192	904,932	33,256,260	6,834,741	315,814		
W Enhancement	2017	24,843,021	5,320,558	16,643,262	450,833	16,192,429	3,466,838	167,823	4,598	163,225	35,000	11,181,545	295,547	10,885,997	2,323,175	4,157,509	110,867	4,046,642	864,595	34,161,192	904,932	33,256,260	7,099,248	315,814		
W/O Enhancement	2018	24,149,728	4,999,348	16,192,429	450,833	15,741,596	3,257,663	163,225	4,598	158,627	32,882	10,885,997	295,547	10,590,450	2,183,894	4,046,642	110,867	3,935,776	812,641	33,256,260	904,932	32,351,327	6,673,385	307,503		
W Enhancement	2018	24,149,728	5,191,425	16,192,429	450,833	15,741,596	3,382,865	163,225	4,598	158,627	34,144	10,885,997	295,547	10,590,450	2,268,126	4,046,642	110,867	3,935,776	843,945	33,256,260	904,932	32,351,327	6,930,995	307,503		
W/O Enhancement	2019	23,456,434	4,875,729	15,741,596	450,833	15,290,763	3,177,276	158,627	4,598	154,029	32,062	10,590,450	295,547	10,294,902	2,131,196	3,935,776	110,867	3,824,909	792,873	32,351,327	904,932	31,446,395	6,512,030	299,192		
W Enhancement	2019	23,456,434	5,062,292	15,741,596	450,833	15,290,763	3,298,893	158,627	4,598	154,029	33,287	10,590,450	295,547	10,294,902	2,213,077	3,935,776	110,867	3,824,909	823,295	32,351,327	904,932	31,446,395	6,762,142	299,192		
W/O Enhancement	2020	22,763,140	4,752,110	15,290,763	450,833	14,839,929	3,096,890	154,029	4,598	149,431	31,242	10,294,902	295,547	9,999,355	2,078,498	3,824,909	110,867	3,714,042	773,105	31,446,395	904,932	30,541,463	6,350,675	290,881		
W Enhancement	2020	22,763,140	4,933,159	15,290,763	450,833	14,839,929	3,214,923	154,029	4,598	149,431	32,431	10,294,902	295,547	9,999,355	2,158,009	3,824,909	110,867	3,714,042	802,645	31,446,395	904,932	30,541,463	6,593,920	290,881		
W/O Enhancement	2021	22,069,847	4,628,491	14,839,929	450,833	14,389,096	3,016,503	149,431	4,598	144,833	30,423	9,999,355	295,547	9,703,807	2,025,829	3,714,042	110,867	3,603,175	753,337	30,541,463	904,932	29,636,531	6,189,519	282,570		
W Enhancement	2021	22,069,847	4,804,027	14,839,929	450,833	14,389,096	3,130,948	149,431	4,598	144,833	31,575	9,999,355	295,547	9,703,807	2,102,980	3,714,042	110,867	3,603,175	781,995	30,541,463	904,932	29,636,531	6,425,037	282,570		
W/O Enhancement	2022	21,376,553	4,504,873	14,389,096	450,833	13,938,263	2,936,117	144,833	4,598	140,236	29,603	9,703,807	295,547	9,408,260	1,973,102	3,603,175	110,867	3,492,308	738,568	29,636,531	904,932	28,731,599	6,027,964	274,259		
W Enhancement	2022	21,376,553	4,674,894	14,389,096	450,833	13,938,263	3,046,976	144,833	4,598	140,236	30,718	9,703,807	295,547	9,408,260	2,047,931	3,603,175	110,867	3,492,308	761,345	29,636,531	904,932	28,731,599	6,256,844	274,259		
W/O Enhancement	2023	20,683,259	4,381,254	13,938,263	450,833	13,487,																				

Table with multiple columns containing numerical data. The table lists various 'W Enhancement' and 'W/O Enhancement' items from 2031 to 2061, with associated numerical values. The right side of the table includes a list of years (904, 932, 20, 587, 208, 4, 739, 509) and their corresponding values.

NOTES:
To accommodate varying in-service dates for different t

Lives shown above are illustrative only
The Dedicated Facility Project revenue req
The revenue requirement associated with t
This same revenue requirement is in turn cr
In this way BGE's wholesale transmission c

In the event the facilities associated with
The Dedicated Facility Project- Abandonne
asset as it pertains to the directly assigned t
line 152 of Attachment H-2A ("the Gross Re
H-2A ("Revenue Credits") such that abando
Revenue Requirement"). In this way BGE's
related to the directly assigned facility charg

Revenue requirements associated with abai
accordance with existing PJM cost assignm

Appendix A

W Enhancement	2031		8,311	191,150	43,915	13,988,400	576,841	13,411,559	2,968,210	1,320,023	54,434	1,265,589	290,163	114,582	4,725	109,857	25,187	312,159	12,363	299,796	65,818	14,147,981	483,692	13,664,289	2,920,124	60,027,645	2,017,736	58,009,909	12,361,282
W/O Enhancement	2032		8,311	182,840	40,912	13,411,559	576,841	12,834,717	2,865,355	1,265,589	54,434	1,211,155	270,391	109,857	4,725	105,132	23,471	299,796	12,363	287,433	63,614	13,664,289	483,692	13,180,597	2,833,878	58,009,909	2,017,736	58,009,909	12,001,506
W Enhancement	2032		8,311	182,840	42,367	13,411,559	576,841	12,834,717	2,865,355	1,265,589	54,434	1,211,155	280,024	109,857	4,725	105,132	24,307	299,796	12,363	287,433	63,614	13,664,289	483,692	13,180,597	2,833,878	58,009,909	2,017,736	55,992,173	12,001,506
W/O Enhancement	2033		8,311	174,529	39,430	12,834,717	576,841	12,257,876	2,762,501	1,211,155	54,434	1,156,721	260,685	105,132	4,725	100,407	22,628	287,433	12,363	275,071	61,410	13,180,597	483,692	12,696,906	2,747,633	55,992,173	2,017,736	53,974,437	11,641,731
W Enhancement	2033		8,311	174,529	40,819	12,834,717	576,841	12,257,876	2,762,501	1,211,155	54,434	1,156,721	269,885	105,132	4,725	100,407	23,427	287,433	12,363	275,071	61,410	13,180,597	483,692	12,696,906	2,747,633	55,992,173	2,017,736	53,974,437	11,641,731
W/O Enhancement	2034		8,311	166,218	37,949	12,257,876	576,841	11,681,035	2,659,646	1,156,721	54,434	1,102,287	250,979	100,407	4,725	95,682	21,786	275,071	12,363	262,708	59,205	12,696,906	483,692	12,213,214	2,661,388	53,974,437	2,017,736	51,956,701	11,281,955
W Enhancement	2034		8,311	166,218	39,271	12,257,876	576,841	11,681,035	2,659,646	1,156,721	54,434	1,102,287	259,746	100,407	4,725	95,682	22,547	275,071	12,363	262,708	59,205	12,696,906	483,692	12,213,214	2,661,388	53,974,437	2,017,736	51,956,701	11,281,955
W/O Enhancement	2035		8,311	157,907	36,467	11,681,035	576,841	11,104,194	2,556,791	1,102,287	54,434	1,047,853	241,273	95,682	4,725	90,957	20,943	262,708	12,363	250,345	57,001	12,213,214	483,692	11,729,522	2,575,142	51,956,701	2,017,736	49,938,965	10,922,180
W Enhancement	2035		8,311	157,907	37,723	11,681,035	576,841	11,104,194	2,556,791	1,102,287	54,434	1,047,853	249,624	95,682	4,725	90,957	21,667	262,708	12,363	250,345	57,001	12,213,214	483,692	11,729,522	2,575,142	51,956,701	2,017,736	49,938,965	10,922,180
W/O Enhancement	2036		8,311	149,596	34,985	11,104,194	576,841	10,527,352	2,453,937	1,047,853	54,434	993,419	231,567	90,957	4,725	86,232	20,101	250,345	12,363	237,983	54,797	11,729,522	483,692	11,245,831	2,488,897	49,938,965	2,017,736	47,921,229	10,562,404
W Enhancement	2036		8,311	149,596	36,175	11,104,194	576,841	10,527,352	2,453,937	1,047,853	54,434	993,419	239,468	90,957	4,725	86,232	20,787	250,345	12,363	237,983	54,797	11,729,522	483,692	11,245,831	2,488,897	49,938,965	2,017,736	47,921,229	10,562,404
W/O Enhancement	2037		8,311	141,285	33,503	10,527,352	576,841	9,950,511	2,351,082	993,419	54,434	938,985	221,861	86,232	4,725	81,507	19,258	237,983	12,363	225,620	52,592	11,245,831	483,692	10,762,139	2,402,651	47,921,229	2,017,736	45,903,493	10,202,629
W Enhancement	2037		8,311	141,285	34,627	10,527,352	576,841	9,950,511	2,351,082	993,419	54,434	938,985	229,329	86,232	4,725	81,507	19,906	237,983	12,363	225,620	52,592	11,245,831	483,692	10,762,139	2,402,651	47,921,229	2,017,736	45,903,493	10,202,629
W/O Enhancement	2038		8,311	132,974	32,021	9,950,511	576,841	9,373,670	2,248,228	938,985	54,434	884,551	212,155	81,507	4,725	76,782	18,416	225,620	12,363	213,257	50,388	10,762,139	483,692	10,278,448	2,316,406	45,903,493	2,017,736	43,885,757	9,842,853
W Enhancement	2038		8,311	132,974	33,079	9,950,511	576,841	9,373,670	2,248,228	938,985	54,434	884,551	219,191	81,507	4,725	76,782	19,026	225,620	12,363	213,257	50,388	10,762,139	483,692	10,278,448	2,316,406	45,903,493	2,017,736	43,885,757	9,842,853
W/O Enhancement	2039		8,311	124,663	30,539	9,373,670	576,841	8,796,829	2,145,373	884,551	54,434	830,117	202,449	76,782	4,725	72,057	17,573	213,257	12,363	200,894	48,183	10,278,448	483,692	9,794,756	2,230,161	43,885,757	2,017,736	41,868,021	9,483,078
W Enhancement	2039		8,311	124,663	31,531	9,373,670	576,841	8,796,829	2,145,373	884,551	54,434	830,117	209,052	76,782	4,725	72,057	18,146	213,257	12,363	200,894	48,183	10,278,448	483,692	9,794,756	2,230,161	43,885,757	2,017,736	41,868,021	9,483,078
W/O Enhancement	2040		8,311	116,352	29,057	8,796,829	576,841	8,219,987	2,042,519	830,117	54,434	775,683	192,743	72,057	4,725	67,332	16,731	200,894	12,363	188,532	45,979	9,794,756	483,692	9,311,064	2,143,915	41,868,021	2,017,736	39,850,285	9,123,302
W Enhancement	2040		8,311	116,352	29,983	8,796,829	576,841	8,219,987	2,042,519	830,117	54,434	775,683	198,913	72,057	4,725	67,332	17,266	200,894	12,363	188,532	45,979	9,794,756	483,692	9,311,064	2,143,915	41,868,021	2,017,736	39,850,285	9,123,302
W/O Enhancement	2041		8,311	108,042	27,575	8,219,987	576,841	7,643,146	1,939,664	775,683	54,434	721,249	183,037	67,332	4,725	62,607	15,888	188,532	12,363	176,169	43,775	9,311,064	483,692	8,827,373	2,057,670	39,850,285	2,017,736	37,832,549	8,763,527
W Enhancement	2041		8,311	108,042	28,435	8,219,987	576,841	7,643,146	1,939,664	775,683	54,434	721,249	188,774	67,332	4,725	62,607	16,386	188,532	12,363	176,169	43,775	9,311,064	483,692	8,827,373	2,057,670	39,850,285	2,017,736	37,832,549	8,763,527
W/O Enhancement	2042		8,311	99,731	26,094	7,643,146	576,841	7,066,305	1,836,810	721,249	54,434	666,816	173,331	62,607	4,725	57,882	15,046	176,169	12,363	163,806	41,570	8,827,373	483,692	8,343,681	1,971,424	37,832,549	2,017,736	35,814,813	8,403,751
W Enhancement	2042		8,311	99,731	26,887	7,643,146	576,841	7,066,305	1,836,810	721,249	54,434	666,816	178,635	62,607	4,725	57,882	15,506	176,169	12,363	163,806	41,570	8,827,373	483,692	8,343,681	1,971,424	37,832,549	2,017,736	35,814,813	8,403,751
W/O Enhancement	2043		8,311	91,420	24,612	7,066,305	576,841	6,489,464	1,733,955	666,816	54,434	612,382	163,626	57,882	4,725	53,157	14,203	163,806	12,363	151,443	39,366	8,343,681	483,692	7,859,989	1,885,179	35,814,813	2,017,736	33,797,077	8,043,976
W Enhancement	2043		8,311	91,420	25,339	7,066,305	576,841	6,489,464	1,733,955	666,816	54,434	612,382	168,496	57,882	4,725	53,157	14,626	163,806	12,363	151,443	39,366	8,343,681	483,692	7,859,989	1,885,179	35,814,813	2,017,736	33,797,077	8,043,976
W/O Enhancement	2044		8,311	83,109	23,130	6,489,464	576,841	5,912,623	1,631,100	612,382	54,434	557,948	153,920	53,157	4,725	48,432	13,361	151,443	12,363	139,081	37,162	7,859,989	483,692	7,376,298	1,798,934	33,797,077	2,017,736	31,779,341	7,684,200
W Enhancement	2044		8,311	83,109	23,791	6,489,464	576,841	5,912,623	1,631,100	612,382	54,434	557,948	158,357	53,157	4,725	48,432	13,746	151,443	12,363	139,081	37,162	7,859,989	483,692	7,376,298	1,798,934	33,797,077	2,017,736	31,779,341	7,684,200
W/O Enhancement	2045		8,311	74,798	21,648	5,912,623	576,841	5,335,781	1,528,246	557,948	54,434	503,514	144,214	48,432	4,725	43,707	12,518	139,081	12,363	126,718	34,957	7,376,298	483,692	6,892,606	1,712,688	31,779,341	2,017,736	29,761,605	7,324,425
W Enhancement	2045		8,311	74,798	22,243	5,912,623	576,841	5,335,781	1,528,246	557,948	54,434	503,514	148,218	48,432	4,725	43,707	12,866	139,081	12,363	126,718	34,957	7,376,298	483,692	6,892,606	1,712,688	31,779,341	2,017,736	29,761,605	7,324,425
W/O Enhancement	2046		8,311	66,487	20,166	5,335,781	576,841	4,758,940	1,425,391	503,514	54,434	449,080	134,508	43,707	4,725	38,981	11,676	126,718	12,363	114,355	32,753	6,892,606	483,692	6,408,914	1,626,443	29,761,605	2,017,736	27,743,870	6,964,649
W Enhancement	2046		8,311	66,487	20,695	5,335,781	576,841	4,758,940	1,425,391	503,514	54,434	449,080	138,080	43,707	4,725	38,981	11,986	126,718	12,363	114,355	32,753	6,892,606	483,692	6,408,914	1,626,443	29,761,605	2,017,736	27,743,870	6,964,649
W/O Enhancement	2047		8,311	58,176	18,684	4,758,940	576,841	4,182,099	1,322,537	449,080	54,434	394,646	124,802	38,981	4,725	34,256	10,833	114,355	12,363	101,993	30,549	6,408,914	483,692	5,925,223	1,540,198	27,743,870	2,017,736	25,726,134	6,604,874
W Enhancement	2047		8,311	58,176	19,147	4,758,940	576,841	4,182,099	1,322,537	449,080	54,434	394,646	127,941	38,981	4,725	34,256	11,106	114,355	12,363	101,993	30,549	6,408,914	483,692	5,925,223	1,540,198	27,743,870	2,017,736	25,726,134	6,604,874
W/O Enhancement	2048		8,311	49,865	17,202	4,182,099	576,841	3,605,258	1,219,682	394,646	54,434	340,212	115,096	34,256	4,725	29,531	9,991	101,993	12,363	89,630	28,344	5,925,223							

New Plant Carrying Charge

FCR if not a CIAC

Formula Line	
A	159
B	166
C	

FCR if a CIAC

D	160
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The FCR resulting from Formula in a gov
Therefore actual revenues collected in a
Per FERC's orders in Docket No. ER07-5
The rest of transmission rate base gets a

		Rebuild Raphael-Bagley 230 kV 2016					Dedicated Facility Project 2014					Dedicated Facility Project 2014					Dedicated Facility Project 2014					Dedicated Facility Project 2014						
		Beginning	Depr. or Amor	Ending	Revenue	Total	Incentive Charged	Revenue Credit	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue
Details																												
Schedule 12 (Yes or No)	Yes																											
Life	44																											
CIAC (Yes or No)	No																											
ROE Incentive (Basis Points)	0																											
FCR W/O Incentive	0.178306533																											
FCR for This Project	0.178306533																											
Investment	29,752,596	may be weighted average of small projects										8,944,044					1,404,586					169,603						
Annual Depreciation Exp	676,195																											
In Service Month (1-12)	12	may be weighted average of small projects										12					11					12						
W/O Enhancement	2004																											
W Enhancement	2004																											
W/O Enhancement	2005																											
W Enhancement	2005																											
W/O Enhancement	2006																											
W Enhancement	2006																											
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W Enhancement	2028																											
W/O Enhancement	2029																											
W Enhancement	2029																											
W/O Enhancement	2030																											
W Enhancement	2030																											
W/O Enhancement	2031																											
W Enhancement	2031																											

W Enhancement	2031	20,285,861	676,195	19,609,666	4,172,727	\$21,125,463	\$	21,125,463			
W/O Enhancement	2032	19,609,666	676,195	18,933,470	4,052,157	\$19,763,458	\$		\$	19,763,458	
W Enhancement	2032	19,609,666	676,195	18,933,470	4,052,157	\$20,355,040	\$	20,355,040			
W/O Enhancement	2033	18,933,470	676,195	18,257,275	3,931,587	\$19,021,448	\$		\$	19,021,448	
W Enhancement	2033	18,933,470	676,195	18,257,275	3,931,587	\$19,584,618	\$	19,584,618			
W/O Enhancement	2034	18,257,275	676,195	17,581,080	3,811,017	\$18,279,438	\$		\$	18,279,438	
W Enhancement	2034	18,257,275	676,195	17,581,080	3,811,017	\$18,814,196	\$	18,814,196			
W/O Enhancement	2035	17,581,080	676,195	16,904,884	3,690,447	\$17,537,428	\$		\$	17,537,428	
W Enhancement	2035	17,581,080	676,195	16,904,884	3,690,447	\$18,043,774	\$	18,043,774			
W/O Enhancement	2036	16,904,884	676,195	16,228,689	3,569,877	\$16,795,418	\$		\$	16,795,418	
W Enhancement	2036	16,904,884	676,195	16,228,689	3,569,877	\$17,273,352	\$	17,273,352			
W/O Enhancement	2037	16,228,689	676,195	15,552,494	3,449,307	\$16,053,408	\$		\$	16,053,408	
W Enhancement	2037	16,228,689	676,195	15,552,494	3,449,307	\$16,502,929	\$	16,502,929			
W/O Enhancement	2038	15,552,494	676,195	14,876,298	3,328,737	\$15,311,398	\$		\$	15,311,398	
W Enhancement	2038	15,552,494	676,195	14,876,298	3,328,737	\$15,732,507	\$	15,732,507			
W/O Enhancement	2039	14,876,298	676,195	14,200,103	3,208,166	\$14,569,388	\$		\$	14,569,388	
W Enhancement	2039	14,876,298	676,195	14,200,103	3,208,166	\$14,962,085	\$	14,962,085			
W/O Enhancement	2040	14,200,103	676,195	13,523,907	3,087,596	\$13,827,378	\$		\$	13,827,378	
W Enhancement	2040	14,200,103	676,195	13,523,907	3,087,596	\$14,191,663	\$	14,191,663			
W/O Enhancement	2041	13,523,907	676,195	12,847,712	2,967,026	\$13,085,368	\$		\$	13,085,368	
W Enhancement	2041	13,523,907	676,195	12,847,712	2,967,026	\$13,421,241	\$	13,421,241			
W/O Enhancement	2042	12,847,712	676,195	12,171,517	2,846,456	\$12,343,357	\$		\$	12,343,357	
W Enhancement	2042	12,847,712	676,195	12,171,517	2,846,456	\$12,650,818	\$	12,650,818			
W/O Enhancement	2043	12,171,517	676,195	11,495,321	2,725,886	\$11,601,347	\$		\$	11,601,347	
W Enhancement	2043	12,171,517	676,195	11,495,321	2,725,886	\$11,880,396	\$	11,880,396			
W/O Enhancement	2044	11,495,321	676,195	10,819,126	2,605,316	\$10,859,337	\$		\$	10,859,337	
W Enhancement	2044	11,495,321	676,195	10,819,126	2,605,316	\$11,109,974	\$	11,109,974			
W/O Enhancement	2045	10,819,126	676,195	10,142,931	2,484,746	\$10,117,327	\$		\$	10,117,327	
W Enhancement	2045	10,819,126	676,195	10,142,931	2,484,746	\$10,339,552	\$	10,339,552			
W/O Enhancement	2046	10,142,931	676,195	9,466,735	2,364,176	\$ 9,375,317	\$		\$	9,375,317	
W Enhancement	2046	10,142,931	676,195	9,466,735	2,364,176	\$ 9,569,130	\$	9,569,130			
W/O Enhancement	2047	9,466,735	676,195	8,790,540	2,243,606	\$ 8,633,307	\$		\$	8,633,307	
W Enhancement	2047	9,466,735	676,195	8,790,540	2,243,606	\$ 8,798,707	\$	8,798,707			
W/O Enhancement	2048	8,790,540	676,195	8,114,344	2,123,036	\$ 7,891,297	\$		\$	7,891,297	
W Enhancement	2048	8,790,540	676,195	8,114,344	2,123,036	\$ 8,028,285	\$	8,028,285			
W/O Enhancement	2049	8,114,344	676,195	7,438,149	2,002,466	\$ 7,149,287	\$		\$	7,149,287	
W Enhancement	2049	8,114,344	676,195	7,438,149	2,002,466	\$ 7,257,863	\$	7,257,863			
W/O Enhancement	2050	7,438,149	676,195	6,761,954	1,881,896	\$ 6,407,277	\$		\$	6,407,277	
W Enhancement	2050	7,438,149	676,195	6,761,954	1,881,896	\$ 6,487,441	\$	6,487,441			
W/O Enhancement	2051	6,761,954	676,195	6,085,758	1,761,326	\$ 5,602,526	\$		\$	5,602,526	
W Enhancement	2051	6,761,954	676,195	6,085,758	1,761,326	\$ 5,654,885	\$	5,654,885			
W/O Enhancement	2052	6,085,758	676,195	5,409,563	1,640,756	\$ 4,685,910	\$		\$	4,685,910	
W Enhancement	2052	6,085,758	676,195	5,409,563	1,640,756	\$ 4,712,286	\$	4,712,286			
W/O Enhancement	2053	5,409,563	676,195	4,733,368	1,520,186	\$ 3,527,815	\$		\$	3,527,815	
W Enhancement	2053	5,409,563	676,195	4,733,368	1,520,186	\$ 3,534,873	\$	3,534,873			
W/O Enhancement	2054	4,733,368	676,195	4,057,172	1,399,616						
W Enhancement	2054	4,733,368	676,195	4,057,172	1,399,616						
W/O Enhancement	2055	4,057,172	676,195	3,380,977	1,279,046						
W Enhancement	2055	4,057,172	676,195	3,380,977	1,279,046						
W/O Enhancement	2056	3,380,977	676,195	2,704,781	1,158,476						
W Enhancement	2056	3,380,977	676,195	2,704,781	1,158,476						
W/O Enhancement	2057	2,704,781	676,195	2,028,586	1,037,906						
W Enhancement	2057	2,704,781	676,195	2,028,586	1,037,906						
W/O Enhancement	2058	2,028,586	676,195	1,352,391	917,335						
W Enhancement	2058	2,028,586	676,195	1,352,391	917,335						
W/O Enhancement	2059	1,352,391	676,195	676,195	796,765						
W Enhancement	2059	1,352,391	676,195	676,195	796,765						
W/O Enhancement	2060	676,195	676,195	0	676,195						
W Enhancement	2060	676,195	676,195	0	676,195						
W/O Enhancement	2061	0	0	0	0						
W Enhancement	2061	0	0	0	0						

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To accommodate varying in-service dates for different

Lives shown above are illustrative only

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Appendix A
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New Plant Carrying Charge

FCR if not a CIAC	Formula Line
A	159
B	166
C	

FCR if a CIAC	
D	160

The FCR resulting from Formula in a given year
Therefore actual revenues collected in a given year
Per FERC's orders in Docket No. ER07-5
The rest of transmission rate base gets a

Details		Dedicated Facility Project 2015				Dedicated Facility Project 2015				Dedicated Facility Project 2015				Dedicated Facility Project 2015				Dedicated Facility Project 2015									
Schedule 12	(Yes or No)	No				No				No				No				No				No					
Life		10				10				10				10				10				10					
CIAC	(Yes or No)	No				No				No				No				No				No					
ROE Incentive (Basis Points)																											
FCR W/O Incentive		0.203266463				0.203266463				0.203266463				0.203266463							0.203266463						
FCR for This Project		0.203266463				0.203266463				0.203266463				0.203266463							0.203266463						
Investment		12,538	may be weighted average of small projects			40,332,600	may be weighted average of small projects			530,533	may be weighted average of small projects			(539,067)	may be weighted average of small projects						33,275,228	may be weighted average of small projects			497,856	may be weighted average of small projects	
Annual Depreciation Exp		1,254				4,033,260				53,053				(53,907)							3,327,523				49,786		
In Service Month (1-12)		2	may be weighted average of small projects			3	may be weighted average of small projects			7	may be weighted average of small projects			7	may be weighted average of small projects						10	may be weighted average of small projects			11	may be weighted average of small projects	
Invest Yr	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Beginning	Depr. or Amort.	Ending	
W/O Enhancement 2004																											
W Enhancement 2004																											
W/O Enhancement 2005																											
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W Enhancement 2014																											
W/O Enhancement 2015	12,538	1,045	11,493	2,992	40,332,600	3,024,945	37,307,655	8,712,491	530,533	22,106	508,428	65,167	(539,067)	(22,461)	(516,606)	(66,215)	33,275,228	554,587	32,720,640	1,663,089	497,856	4,149	493,707				
W Enhancement 2015	12,538	1,045	11,493	2,992	40,332,600	3,024,945	37,307,655	8,712,491	530,533	22,106	508,428	65,167	(539,067)	(22,461)	(516,606)	(66,215)	33,275,228	554,587	32,720,640	1,663,089	497,856	4,149	493,707				
W/O Enhancement 2016	11,493	1,254	10,239	3,335	37,307,655	4,033,260	33,274,395	10,796,829	508,428	53,053	455,375	145,616	(516,606)	(53,907)	(462,699)	(147,958)	32,720,640	3,327,523	29,393,118	9,302,158	493,707	49,786	443,921				
W Enhancement 2016	11,493	1,254	10,239	3,335	37,307,655	4,033,260	33,274,395	10,796,829	508,428	53,053	455,375	145,616	(516,606)	(53,907)	(462,699)	(147,958)	32,720,640	3,327,523	29,393,118	9,302,158	493,707	49,786	443,921				
W/O Enhancement 2017	10,239	1,254	8,985	3,080	33,274,395	4,033,260	29,241,135	9,977,002	455,375	53,053	402,321	134,832	(462,699)	(53,907)	(408,792)	(137,000)	29,393,118	3,327,523	26,065,595	8,625,784	443,921	49,786	394,136				
W Enhancement 2017	10,239	1,254	8,985	3,080	33,274,395	4,033,260	29,241,135	9,977,002	455,375	53,053	402,321	134,832	(462,699)	(53,907)	(408,792)	(137,000)	29,393,118	3,327,523	26,065,595	8,625,784	443,921	49,786	394,136				
W/O Enhancement 2018	8,985	1,254	7,732	2,825	29,241,135	4,033,260	25,207,875	9,157,176	402,321	53,053	349,268	124,048	(408,792)	(53,907)	(354,886)	(126,043)	26,065,595	3,327,523	22,738,072	7,949,410	394,136	49,786	344,350				
W Enhancement 2018	8,985	1,254	7,732	2,825	29,241,135	4,033,260	25,207,875	9,157,176	402,321	53,053	349,268	124,048	(408,792)	(53,907)	(354,886)	(126,043)	26,065,595	3,327,523	22,738,072	7,949,410	394,136	49,786	344,350				
W/O Enhancement 2019	7,732	1,254	6,478	2,571	25,207,875	4,033,260	21,174,615	8,337,349	349,268	53,053	296,214	113,264	(354,886)	(53,907)	(300,979)	(115,086)	22,738,072	3,327,523	19,410,549	7,273,036	344,350	49,786	294,565				
W Enhancement 2019	7,732	1,254	6,478	2,571	25,207,875	4,033,260	21,174,615	8,337,349	349,268	53,053	296,214	113,264	(354,886)	(53,907)	(300,979)	(115,086)	22,738,072	3,327,523	19,410,549	7,273,036	344,350	49,786	294,565				
W/O Enhancement 2020	6,478	1,254	5,224	2,316	21,174,615	4,033,260	17,141,355	7,517,523	296,214	53,053	243,161	102,480	(300,979)	(53,907)	(247,072)	(104,128)	19,410,549	3,327,523	16,083,027	6,596,663	294,565	49,786	244,779				
W Enhancement 2020	6,478	1,254	5,224	2,316	21,174,615	4,033,260	17,141,355	7,517,523	296,214	53,053	243,161	102,480	(300,979)	(53,907)	(247,072)	(104,128)	19,410,549	3,327,523	16,083,027	6,596,663	294,565	49,786	244,779				
W/O Enhancement 2021	5,224	1,254	3,970	2,061	17,141,355	4,033,260	13,108,095	6,697,696	243,161	53,053	190,108	91,696	(247,072)	(53,907)	(193,166)	(93,171)	16,083,027	3,327,523	12,755,504	5,920,289	244,779	49,786	194,994				
W Enhancement 2021	5,224	1,254	3,970	2,061	17,141,355	4,033,260	13,108,095	6,697,696	243,161	53,053	190,108	91,696	(247,072)	(53,907)	(193,166)	(93,171)	16,083,027	3,327,523	12,755,504	5,920,289	244,779	49,786	194,994				
W/O Enhancement 2022	3,970	1,254	2,717	1,806	13,108,095	4,033,260	9,074,835	5,877,870	190,108	53,053	137,054	80,912	(139,259)	(53,907)	(139,259)	(82,213)	12,755,504	3,327,523	9,427,981	5,243,915	194,994	49,786	145,208				
W Enhancement 2022	3,970	1,254	2,717	1,806	13,108,095	4,033,260	9,074,835	5,877,870	190,108	53,053	137,054	80,912	(139,259)	(53,907)	(139,259)	(82,213)	12,755,504	3,327,523	9,427,981	5,243,915	194,994	49,786	145,208				
W/O Enhancement 2023	2,717	1,254	1,463	1,551	9,074,835	4,033,260	5,041,575	5,058,043	137,054	53,053	84,001	70,128	(139,259)	(53,907)	(85,352)	(71,256)	9,427,981	3,327,523	6,100,458	4,567,541	145,208	49,786	95,422				
W Enhancement 2023	2,717	1,254	1,463	1,551	9,074,835	4,033,260	5,041,575	5,058,043	137,054	53,053	84,001	70,128	(139,259)	(53,907)	(85,352)	(71,256)	9,427,981	3,327,523	6,100,458	4,567,541	145,208	49,786	95,422				
W/O Enhancement 2024	1,463	1,254	209	1,296	5,041,575	4,033,260	1,008,315	4,238,217	84,001	53,053	30,948	59,344	(85,352)	(53,907)	(31,446)	(60,299)	6,100,458	3,327,523	2,772,936	3,891,168	95,422	49,786	45,637				
W Enhancement 2024	1,463	1,254	209	1,296	5,041,575	4,033,260	1,008,315	4,238,217	84,001	53,053	30,948	59,344	(85,352)	(53,907)	(31,446)	(60,299)	6,100,458	3,327,523	2,772,936	3,891,168	95,422	49,786	45,637				
W/O Enhancement 2025	209	209	-	209	1,008,315	1,008,315	(0)	1,008,315	30,948	30,948	-	30,948	(31,446)	(31,446)	(0)	(31,446)	2,772,936	2,772,936	0	2,772,936	45,637	45,637	-				

W Enhancement	2031
W/O Enhancement	2032
W Enhancement	2032
W/O Enhancement	2033
W Enhancement	2033
W/O Enhancement	2034
W Enhancement	2034
W/O Enhancement	2035
W Enhancement	2035
W/O Enhancement	2036
W Enhancement	2036
W/O Enhancement	2037
W Enhancement	2037
W/O Enhancement	2038
W Enhancement	2038
W/O Enhancement	2039
W Enhancement	2039
W/O Enhancement	2040
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W Enhancement	2056
W/O Enhancement	2057
W Enhancement	2057
W/O Enhancement	2058
W Enhancement	2058
W/O Enhancement	2059
W Enhancement	2059
W/O Enhancement	2060
W Enhancement	2060
W/O Enhancement	2061
W Enhancement	2061
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Lives shown above are illustrative only
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W Enhancement	2031				
W/O Enhancement	2032				
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W/O Enhancement	2033				
W Enhancement	2033				
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W Enhancement	2034				
W/O Enhancement	2035				
W Enhancement	2035				
W/O Enhancement	2036				
W Enhancement	2036				
W/O Enhancement	2037				
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W Enhancement	2039				
W/O Enhancement	2040				
W Enhancement	2040				
W/O Enhancement	2041				
W Enhancement	2041				
W/O Enhancement	2042				
W Enhancement	2042				
W/O Enhancement	2043				
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W/O Enhancement	2045				
W Enhancement	2045				
W/O Enhancement	2046				
W Enhancement	2046				
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W Enhancement	2047				
W/O Enhancement	2048				
W Enhancement	2048				
W/O Enhancement	2049				
W Enhancement	2049				
W/O Enhancement	2050				
W Enhancement	2050				
W/O Enhancement	2051				
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W Enhancement	2056				
W/O Enhancement	2057				
W Enhancement	2057				
W/O Enhancement	2058				
W Enhancement	2058				
W/O Enhancement	2059				
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W/O Enhancement	2060				
W Enhancement	2060				
W/O Enhancement	2061				
W Enhancement	2061				
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To accommodate varying in-service dates for different

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H-2A ("Revenue Credits") such that abando
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accordance with existing PJM cost assignm

Baltimore Gas and Electric Company
Attachment 8 - Company Exhibit - Securitization Workpaper

Line #	Long Term Interest	
100	Less LTD Interest on Securitization Bonds	5,548,488
	Capitalization	
111	Less LTD on Securitization Bonds	18,954,010

Calculation of the above Securitization Adjustments



Baltimore Gas and Electric
Attachment 9 - Depreciation Rates

<u>TRANSMISSION PLANT</u>		Deprec.
Account	Account Description	Rate (%)
350.20	LAND RIGHTS	1.25
352.00	STRUCTURES AND IMPROVEMENTS	1.65
353.00	STATION EQUIPMENT	1.99
354.00	TOWERS AND FIXTURES	0.48
355.00	POLES AND FIXTURES	2.69
356.00	OVERHEAD CONDUCTORS AND DEVICES	2.83
357.00	UNDERGROUND CONDUIT	1.65
358.00	UNDERGROUND CONDUCTORS AND DEVICES	1.57
359.00	ROADS AND TRAILS	1.75
<u>GENERAL PLANT - ELECTRIC</u>		Deprec.
Account	Account Description	Rate (%)
390.00	STRUCTURES AND IMPROVEMENTS	7.11
391.10	OFFICE FURNITURE	5.65
391.20	OFFICE EQUIPMENT	7.39
391.33	PERSONAL COMPUTERS	19.84
393.00	STORES EQUIPMENT	6.38
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	4.94
395.00	LABORATORY EQUIPMENT	16.03
397.00	COMMUNICATION EQUIPMENT	3.11
397.60	COMMUNICATION EQUIPMENT - SMARTGRID	6.72
397.61	COMMUNICATION EQUIPMENT - IHD DEVICES	6.92
397.62	COMMUNICATION EQUIPMENT - PHASE 3 THERMOSTATS	6.73
397.64	COMMUNICATION EQUIPMENT - DRI	10.44
398.00	MISCELLANEOUS EQUIPMENT	5.08
<u>GENERAL PLANT - COMMON (ELECTRIC & GAS)</u>		Deprec.
Account	Account Description	Rate (%)
390.00	STRUCTURES AND IMPROVEMENTS	2.39
391.10	OFFICE FURNITURE	5.82
391.20	OFFICE EQUIPMENT	9.82
391.33	COMPUTER EQUIPMENT - OTHER	29.70
391.36	COMPUTER HARDWARE WITH SMART GRID	9.89
392.50	HYBRID VEHICLES	0.15
393.00	STORES EQUIPMENT	5.50
394.10	PORTABLE TOOLS	7.32
394.20	SHOP AND GARAGE EQUIPMENT	5.55
394.30	CNG FUELING STATIONS	5.77
395.00	LABORATORY EQUIPMENT	4.98
397.10	COMMUNICATION EQUIPMENT - OVERHEAD	10.89
397.20	COMMUNICATION EQUIPMENT - UNDERGROUND	5.98
397.30	COMMUNICATION EQUIPMENT - OTHER	5.25
397.40	COMMUNICATION EQUIPMENT - PORTABLE	3.01
397.50	COMMUNICATION EQUIPMENT - MOBILE	4.82
397.60	COMMUNICATION EQUIPMENT - SMART GRID	10.37
398.00	MISCELLANEOUS EQUIPMENT	8.65

New Plant Carrying Charge

FCR if not a CIAC

Formula Line			
A	159	Net Plant Carrying Charge without Depreciation	17.8307%
B	166	Net Plant Carrying Charge per 100 basis point increase in ROE without Depreciation	18.6260%
C		Line B less Line A	0.7954%

FCR if a CIAC

D	160	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	7.7501%
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The FCR resulting from Formula in a given year is used for that year only.
Therefore actual revenues collected in a year do not change based on cost data for subsequent years
Per FERC's orders in Docket No. ER07-576, the Conastone and Waugh Chapel substation projects, the Downtown Project, and the Northwest to Finksburg project get an ROE of 11.5%.
The rest of transmission rate base gets an ROE of 10.5% which includes a 50 basis point RTO planning participation adder approved in Baltimore Gas and Electric Co., Docket No. ER07-576, by order issued on July 24, 2007.

Details		Conastone 500kV Substation Project- 2008				Waugh Chapel 500 kV Substation Project 2008				Downtown Project 2007				Northwest to Finksburg 2009				Downtown Project 2008				Conastone kV Substat		
Schedule 12 (Yes or No)		Yes				Yes				No				No				No				Yes		
Life		44				44				44				44				44				44		
CIAC (Yes or No)		No				No				No				No				No				No		
ROE Incentive (Basis Points)		100				100				100				100				100				100		
FCR W/O Incentive		17.8307%				0.178306533				0.178306533				0.178306533				0.178306533				0.178306533		
FCR for This Project		0.186260147				0.186260147				0.186260147				0.186260147				0.186260147				0.186260147		
Investment		19,614,847 may be weighted average of small projects				5,096,993				13,438,469 may be weighted average of small projects				5,249,918 may be weighted average of small projects				2,565,891 may be weighted average of small projects				30,504,919 may be weighted		
Annual Depreciation Exp		445,792				115,841				305,420				119,316				58,316				693,294		
In Service Month (1-12)		9 may be weighted average of small projects				6				9 may be weighted average of small projects				10 may be weighted average of small projects				2 may be weighted average of small projects				10 may be weighted		
Invest Yr		Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	Ending	Revenue	Beginning	Depr. or Amort.	
W/O Enhancement	2004																							
W Enhancement	2004																							
W/O Enhancement	2005																							
W Enhancement	2005																							
W/O Enhancement	2006																							
W Enhancement	2006																							
W/O Enhancement	2007									13,438,469	76,355	13,362,115	671,993											
W Enhancement	2007									13,438,469	76,355	13,362,115	698,562											
W/O Enhancement	2008	19,614,847	111,448	19,503,399	980,844	5,096,993	57,920	5,039,073	507,170	13,362,115	305,420	13,056,695	2,633,514					2,565,891	48,596	2,517,295	422,638			
W Enhancement	2008	19,614,847	111,448	19,503,399	1,019,625	5,096,993	57,920	5,039,073	527,210	13,362,115	305,420	13,056,695	2,737,362					2,565,891	48,596	2,517,295	439,323	30,504,919	115,549	
W/O Enhancement	2009	19,503,399	445,792	19,057,607	3,843,888	5,039,073	115,841	4,923,232	993,685	13,056,695	305,420	12,751,275	2,579,055	5,249,918	19,886	5,230,032	175,311	2,517,295	58,316	2,458,979	496,768	30,504,919	115,549	
W Enhancement	2009	19,503,399	445,792	19,057,607	3,995,465	5,039,073	115,841	4,923,232	1,032,843	13,056,695	305,420	12,751,275	2,680,474	5,249,918	19,886	5,230,032	182,244	2,517,295	58,316	2,458,979	516,325	30,504,919	115,549	
W/O Enhancement	2010	19,057,607	445,792	18,611,815	3,764,400	4,923,232	115,841	4,807,391	973,030	12,751,275	305,420	12,445,855	2,524,597	5,230,032	119,316	5,110,716	1,030,590	2,458,979	58,316	2,400,663	486,370	30,389,370	693,294	
W Enhancement	2010	19,057,607	445,792	18,611,815	3,912,431	4,923,232	115,841	4,807,391	1,011,266	12,751,275	305,420	12,445,855	2,623,587	5,230,032	119,316	5,110,716	1,071,239	2,458,979	58,316	2,400,663	505,464	30,389,370	693,294	
W/O Enhancement	2011	18,611,815	445,792	18,166,023	3,684,913	4,807,391	115,841	4,691,550	952,375	12,445,855	305,420	12,140,436	2,470,139	5,110,716	119,316	4,991,399	1,009,315	2,400,663	58,316	2,342,348	475,972	29,696,076	693,294	
W Enhancement	2011	18,611,815	445,792	18,166,023	3,829,398	4,807,391	115,841	4,691,550	989,690	12,445,855	305,420	12,140,436	2,566,699	5,110,716	119,316	4,991,399	1,049,015	2,400,663	58,316	2,342,348	494,602	29,696,076	693,294	
W/O Enhancement	2012	18,166,023	445,792	17,720,231	3,605,425	4,691,550	115,841	4,575,710	931,720	12,140,436	305,420	11,835,016	2,415,680	4,991,399	119,316	4,872,083	988,041	2,342,348	58,316	2,284,032	465,573	29,002,783	693,294	
W Enhancement	2012	18,166,023	445,792	17,720,231	3,746,365	4,691,550	115,841	4,575,710	968,113	12,140,436	305,420	11,835,016	2,509,812	4,991,399	119,316	4,872,083	1,026,791	2,342,348	58,316	2,284,032	483,740	29,002,783	693,294	
W/O Enhancement	2013	17,720,231	445,792	17,274,439	3,525,937	4,575,710	115,841	4,459,869	911,065	11,835,016	305,420	11,529,596	2,361,222	4,872,083	119,316	4,752,767	966,766	2,284,032	58,316	2,225,716	455,175	28,309,489	693,294	
W Enhancement	2013	17,720,231	445,792	17,274,439	3,663,332	4,575,710	115,841	4,459,869	946,537	11,835,016	305,420	11,529,596	2,452,924	4,872,083	119,316	4,752,767	1,004,567	2,284,032	58,316	2,225,716	472,878	28,309,489	693,294	
W/O Enhancement	2014	17,274,439	445,792	16,828,647	3,446,450	4,459,869	115,841	4,344,028	890,409	11,529,596	305,420	11,224,176	2,306,764	4,752,767	119,316	4,633,450	945,491	2,225,716	58,316	2,167,400	444,777	27,616,196	693,294	
W Enhancement	2014	17,274,439	445,792	16,828,647	3,580,298	4,459,869	115,841	4,344,028	924,960	11,529,596	305,420	11,224,176	2,396,036	4,752,767	119,316	4,633,450	982,343	2,225,716	58,316	2,167,400	462,016	27,616,196	693,294	
W/O Enhancement	2015	16,828,647	445,792	16,382,855	3,366,962	4,344,028	115,841	4,228,187	869,754	11,224,176	305,420	10,918,756	2,252,305	4,633,450	119,316	4,514,134	924,216	2,167,400	58,316	2,109,085	434,379	26,922,902	693,294	
W Enhancement	2015	16,828,647	445,792	16,382,855	3,497,265	4,344,028	115,841	4,228,187	903,384	11,224,176	305,420	10,918,756	2,339,149	4,633,450	119,316	4,514,134	960,120	2,167,400	58,316	2,109,085	451,154	26,922,902	693,294	
W/O Enhancement	2016	16,382,855	445,792	15,937,063	3,287,475	4,228,187	115,841	4,112,347	849,099	10,918,756	305,420	10,613,337	2,197,847	4,394,818	119,316	4,394,818	902,941	2,109,085	58,316	2,050,769	423,981	26,229,608	693,294	
W Enhancement	2016	16,382,855	445,792	15,937,063	3,414,232	4,228,187	115,841	4,112,347	881,807	10,918,756	305,420	10,613,337	2,282,261	4,394,818	119,316	4,394,818	937,896	2,109,085	58,316	2,050,769	440,292	26,229,608	693,294	
W/O Enhancement	2017	15,937,063	445,792	15,491,271	3,207,987	4,112,347	115,841	3,996,506	828,444	10,613,337	305,420	10,307,917	2,143,389	4,275,501	119,316	4,275,501	881,666	2,050,769	58,316	1,992,453	413,583	25,536,315	693,294	
W Enhancement	2017	15,937,063	445,792	15,491,271	3,331,198	4,112,347	115,841	3,996,506	860,231	10,613,337	305,420	10,307,917	2,225,374	4,275,501	119,316	4,275,501	915,672	2,050,769	58,316	1,992,453	429,430	25,536,315	693,294	
W/O Enhancement	2018	15,491,271	445,792	15,045,479	3,128,499	3,996,506	115,841	3,880,665	807,789	10,307,917	305,420	10,002,497	2,088,930	4,156,185	119,316	4,156,185	860,391	1,992,453	58,316	1,934,138	403,185	24,843,021	693,294	
W Enhancement	2018	15,491,271	445,792	15,045,479	3,248,165	3,996,506	115,841	3,880,665	838,654	10,307,917	305,420	10,002,497	2,168,486	4,156,185	119,316	4,156,185	893,448	1,992,453	58,316	1,934,138	418,568	24,843,021	693,294	
W/O Enhancement	2019	15,045,479	445,792	14,599,687	3,049,012	3,880,665	115,841	3,764,824	787,134	10,002,497	305,420	9,697,077	2,034,472	4,036,869	119,316	4,036,869	839,116	1,934,138	58,316	1,875,822	392,787	24,149,728	693,294	
W Enhancement	2019	15,045,479	445,792	14,599,687	3,165,132	3,880,665	115,841	3,764,824	817,077	10,002,497	305,420	9,697,077	2,111,599	4,036,869	119,316	4,036,869	871,224	1,934,138	58,316	1,875,822	407,707	24,149,728	693,294	
W/O Enhancement	2020	14,599,687	445,792	14,153,895	2,969,524	3,764,824	115,841	3,648,984	766,478	9,697,077	305,420	9,391,658	1,980,014	4,036,869	119,316	3,917,552	817,842	1,875,822	58,316	1,817,506	382,389	23,456,434	693,294	
W Enhancement	2020	14,599,687	445,792	14,153,895	3,082,099	3,764,824	115,841	3,648,984	795,501	9,697,077	305,420	9,391,658	2,054,711	4,036,869	119,316	3,917,552	849,000	1,875,822	58,316	1,817,506	396,845	23,456,434	693,294	
W/O Enhancement	2021	14,153,895	445,792	13,708,104	2,890,036	3,648,984	115,841	3,533,143	745,823	9,391,658	305,420	9,086,238	1,925,555	3,917,552	119,316	3,798,236	756,567	1,817,506	58,316	1,759,190	371,991	22,763,140	693,294	
W Enhancement	2021	14,153,895	445,792	13,708,104	2,999,065	3,648,984	115,841	3,533,143	773,924	9,391,658	305,420	9,086,238	1,997,824	3,917,552	119,316	3,798,236	826,776	1,817,506	58,316	1,759,190	385,983	22,763,140	693,294	
W/O Enhancement	2022	13,708,104	445,792	13,262,312	2,810,549	3,533,143	115,841	3,417,302	725,168	9,086,238	305,420	8,780,818	1,817,097	3,798,236	119,316	3,798,236	775,292	1,759,190	58,316	1,700,875	361,593	22,069,847	693,294	
W Enhancement	2022	13,708,104	445,792	13,262,312	2,916,032	3,533,143	115,841	3,417,302	752,348	9,086,238	305,42													

W Enhancement	2031	9,695,976	445,792	9,250,184	2,168,733	2,490,576	115,841	2,374,735	558,159	6,337,460	305,420	6,032,040	1,428,948	2,724,389	119,316	2,605,073	604,538	1,234,349	58,316	1,176,033	277,364	15,830,204	693,294
W/O Enhancement	2032	9,250,184	445,792	8,804,392	2,015,673	2,374,735	115,841	2,258,895	518,616	6,032,040	305,420	5,726,621	1,326,514	2,605,073	119,316	2,485,757	562,543	1,176,033	58,316	1,117,718	266,502	15,136,911	693,294
W Enhancement	2032	9,250,184	445,792	8,804,392	2,085,699	2,374,735	115,841	2,258,895	536,583	6,032,040	305,420	5,726,621	1,372,061	2,605,073	119,316	2,485,757	582,314	1,176,033	58,316	1,117,718	266,502	15,136,911	693,294
W/O Enhancement	2033	8,804,392	445,792	8,358,600	1,936,185	2,258,895	115,841	2,143,054	497,961	5,726,621	305,420	5,421,201	1,272,055	2,485,757	119,316	2,366,440	541,268	1,117,718	58,316	1,059,402	247,214	14,443,617	693,294
W Enhancement	2033	8,804,392	445,792	8,358,600	2,002,666	2,258,895	115,841	2,143,054	515,006	5,726,621	305,420	5,421,201	1,315,173	2,485,757	119,316	2,366,440	560,090	1,117,718	58,316	1,059,402	255,640	14,443,617	693,294
W/O Enhancement	2034	8,358,600	445,792	7,912,808	1,856,697	2,143,054	115,841	2,027,213	477,306	5,421,201	305,420	5,115,781	1,217,597	2,366,440	119,316	2,247,124	519,993	1,059,402	58,316	1,001,086	236,816	13,750,323	693,294
W Enhancement	2034	8,358,600	445,792	7,912,808	1,919,633	2,143,054	115,841	2,027,213	493,430	5,421,201	305,420	5,115,781	1,258,286	2,366,440	119,316	2,247,124	537,866	1,059,402	58,316	1,001,086	244,778	13,750,323	693,294
W/O Enhancement	2035	7,912,808	445,792	7,467,016	1,777,210	2,027,213	115,841	1,911,372	456,651	5,115,781	305,420	4,810,361	1,163,139	2,247,124	119,316	2,127,808	498,718	1,001,086	58,316	942,771	226,418	13,057,030	693,294
W Enhancement	2035	7,912,808	445,792	7,467,016	1,836,599	2,027,213	115,841	1,911,372	471,853	5,115,781	305,420	4,810,361	1,201,398	2,247,124	119,316	2,127,808	515,642	1,001,086	58,316	942,771	232,916	13,057,030	693,294
W/O Enhancement	2036	7,467,016	445,792	7,021,224	1,697,722	1,911,372	115,841	1,795,532	435,996	4,810,361	305,420	4,504,941	1,108,680	2,127,808	119,316	2,008,491	477,443	942,771	58,316	884,455	216,020	12,363,736	693,294
W Enhancement	2036	7,467,016	445,792	7,021,224	1,753,566	1,911,372	115,841	1,795,532	450,277	4,810,361	305,420	4,504,941	1,144,511	2,127,808	119,316	2,008,491	493,418	942,771	58,316	884,455	223,054	12,363,736	693,294
W/O Enhancement	2037	7,021,224	445,792	6,575,432	1,618,234	1,795,532	115,841	1,679,691	415,341	4,504,941	305,420	4,199,522	1,054,222	2,008,491	119,316	1,889,175	456,169	884,455	58,316	826,139	205,622	11,670,442	693,294
W Enhancement	2037	7,021,224	445,792	6,575,432	1,670,533	1,795,532	115,841	1,679,691	428,700	4,504,941	305,420	4,199,522	1,087,623	2,008,491	119,316	1,889,175	471,194	884,455	58,316	826,139	212,193	11,670,442	693,294
W/O Enhancement	2038	6,575,432	445,792	6,129,640	1,538,747	1,679,691	115,841	1,563,850	394,685	4,199,522	305,420	3,894,102	999,764	1,889,175	119,316	1,769,859	434,894	826,139	58,316	767,823	195,224	10,977,149	693,294
W Enhancement	2038	6,575,432	445,792	6,129,640	1,587,500	1,679,691	115,841	1,563,850	407,124	4,199,522	305,420	3,894,102	1,030,736	1,889,175	119,316	1,769,859	448,970	826,139	58,316	767,823	201,331	10,977,149	693,294
W/O Enhancement	2039	6,129,640	445,792	5,683,848	1,459,259	1,563,850	115,841	1,448,009	374,030	3,894,102	305,420	3,588,682	945,305	1,769,859	119,316	1,650,542	413,619	767,823	58,316	709,508	184,826	10,283,855	693,294
W Enhancement	2039	6,129,640	445,792	5,683,848	1,504,466	1,563,850	115,841	1,448,009	385,547	3,894,102	305,420	3,588,682	973,848	1,769,859	119,316	1,650,542	426,747	767,823	58,316	709,508	190,469	10,283,855	693,294
W/O Enhancement	2040	5,683,848	445,792	5,238,056	1,379,772	1,448,009	115,841	1,332,169	353,375	3,588,682	305,420	3,283,262	890,847	1,650,542	119,316	1,531,226	392,344	709,508	58,316	651,192	174,428	9,590,562	693,294
W Enhancement	2040	5,683,848	445,792	5,238,056	1,421,433	1,448,009	115,841	1,332,169	363,971	3,588,682	305,420	3,283,262	916,961	1,650,542	119,316	1,531,226	404,523	709,508	58,316	651,192	179,607	9,590,562	693,294
W/O Enhancement	2041	5,238,056	445,792	4,792,264	1,300,284	1,332,169	115,841	1,216,328	332,720	3,283,262	305,420	2,977,843	836,389	1,531,226	119,316	1,411,910	371,069	592,876	58,316	592,876	164,029	8,897,268	693,294
W Enhancement	2041	5,238,056	445,792	4,792,264	1,338,400	1,332,169	115,841	1,216,328	342,394	3,283,262	305,420	2,977,843	860,073	1,531,226	119,316	1,411,910	382,299	592,876	58,316	592,876	168,745	8,897,268	693,294
W/O Enhancement	2042	4,792,264	445,792	4,346,472	1,220,796	1,216,328	115,841	1,100,487	312,065	2,977,843	305,420	2,672,423	781,930	1,411,910	119,316	1,292,593	349,794	592,876	58,316	534,561	153,631	8,203,974	693,294
W Enhancement	2042	4,792,264	445,792	4,346,472	1,255,366	1,216,328	115,841	1,100,487	320,818	2,977,843	305,420	2,672,423	803,186	1,411,910	119,316	1,292,593	360,075	592,876	58,316	534,561	157,883	8,203,974	693,294
W/O Enhancement	2043	4,346,472	445,792	3,900,680	1,141,309	1,100,487	115,841	984,646	291,410	2,672,423	305,420	2,367,003	727,472	1,292,593	119,316	1,173,277	328,519	534,561	58,316	476,245	143,233	7,510,681	693,294
W Enhancement	2043	4,346,472	445,792	3,900,680	1,172,333	1,100,487	115,841	984,646	299,241	2,672,423	305,420	2,367,003	746,298	1,292,593	119,316	1,173,277	337,851	534,561	58,316	476,245	147,021	7,510,681	693,294
W/O Enhancement	2044	3,900,680	445,792	3,454,888	1,061,821	984,646	115,841	868,806	270,754	2,367,003	305,420	2,061,583	673,014	1,173,277	119,316	1,053,961	307,244	476,245	58,316	417,929	132,835	6,817,387	693,294
W Enhancement	2044	3,900,680	445,792	3,454,888	1,089,300	984,646	115,841	868,806	277,665	2,367,003	305,420	2,061,583	689,411	1,173,277	119,316	1,053,961	315,627	476,245	58,316	417,929	136,159	6,817,387	693,294
W/O Enhancement	2045	3,454,888	445,792	3,009,096	982,333	868,806	115,841	752,965	250,099	2,061,583	305,420	1,756,164	618,555	1,053,961	119,316	934,644	285,970	417,929	58,316	359,614	122,437	6,124,094	693,294
W Enhancement	2045	3,454,888	445,792	3,009,096	1,006,267	868,806	115,841	752,965	256,088	2,061,583	305,420	1,756,164	632,523	1,053,961	119,316	934,644	293,403	417,929	58,316	359,614	125,297	6,124,094	693,294
W/O Enhancement	2046	3,009,096	445,792	2,563,304	902,846	752,965	115,841	637,124	229,444	1,756,164	305,420	1,450,744	564,097	934,644	119,316	815,328	264,695	359,614	58,316	301,298	112,039	5,430,800	693,294
W Enhancement	2046	3,009,096	445,792	2,563,304	923,233	752,965	115,841	637,124	234,512	1,756,164	305,420	1,450,744	575,636	934,644	119,316	815,328	271,179	359,614	58,316	301,298	114,435	5,430,800	693,294
W/O Enhancement	2047	2,563,304	445,792	2,117,512	823,358	637,124	115,841	521,283	208,789	1,450,744	305,420	1,145,324	509,639	815,328	119,316	696,012	243,420	301,298	58,316	242,982	101,641	4,737,506	693,294
W Enhancement	2047	2,563,304	445,792	2,117,512	840,200	637,124	115,841	521,283	212,935	1,450,744	305,420	1,145,324	518,748	815,328	119,316	696,012	248,956	301,298	58,316	242,982	103,574	4,737,506	693,294
W/O Enhancement	2048	2,117,512	445,792	1,671,720	743,871	521,283	115,841	405,443	188,134	1,145,324	305,420	839,904	455,180	696,012	119,316	576,696	222,145	242,982	58,316	184,666	91,243	4,044,213	693,294
W Enhancement	2048	2,117,512	445,792	1,671,720	757,167	521,283	115,841	405,443	191,359	1,145,324	305,420	839,904	461,860	696,012	119,316	576,696	226,732	242,982	58,316	184,666	92,712	4,044,213	693,294
W/O Enhancement	2049	1,671,720	445,792	1,225,928	664,383	405,443	115,841	289,602	167,479	839,904	305,420	534,485	400,722	576,696	119,316	457,379	200,870	184,666	58,316	126,351	80,845	3,350,919	693,294
W Enhancement	2049	1,671,720	445,792	1,225,928	674,134	405,443	115,841	289,602	169,782	839,904	305,420	534,485	404,973	576,696	119,316	457,379	204,508	184,666	58,316	126,351	81,850	3,350,919	693,294
W/O Enhancement	2050	1,225,928	445,792	780,136	584,895	289,																	

New Plant Carrying Charge

FCR if not a CIAC

	Formula Line
A	159
B	166
C	

FCR if a CIAC

D	160
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The FCR resulting from Formula in a giv
Therefore actual revenues collected in a
Per FERC's orders in Docket No. ER07-5
The rest of transmission rate base gets z

Details		ion Project 2009				Waugh Chapel 500kV Substation Project- 2009				Downtown Project 2009				Waugh Chapel 500 kV Substation Project 2010				Conastone 500kV Substation Project- 2010				Downtown Project 2010				N
Schedule 12	(Yes or No)					Yes		No		No		Yes		Yes		No		No		No		No				
Life						44		44		44		44		44		44		44		44		44				
CIAC	(Yes or No)					No		No		No		No		No		No		No		No		No				
ROE Incentive (Basis Points)						100		100		100		100		100		100		100		100		100				
FCR W/O Incentive						0.178306533		0.178306533		0.178306533		0.178306533		0.178306533		0.178306533		0.178306533		0.178306533		0.178306533				
FCR for This Project						0.186260147		0.186260147		0.186260147		0.186260147		0.186260147		0.186260147		0.186260147		0.186260147		0.186260147				
Investment	average of small projects					19,836,665	may be weighted average of small projects	202,307		202,307	may be weighted average of small projects	13,004,087	may be weighted average of small projects	4,878,144	may be weighted average of small projects	39,817,018	may be weighted average of small projects	39,817,018	may be weighted average of small projects	39,817,018	may be weighted average of small projects	365,679				
Annual Depreciation Exp	average of small projects					450,833		4,598		4,598		295,547		110,867		904,932		904,932		904,932		8,311				
In Service Month (1-12)						11	may be weighted average of small projects	6	may be weighted average of small projects	6	may be weighted average of small projects	10	may be weighted average of small projects	6	may be weighted average of small projects	9	may be weighted average of small projects	9	may be weighted average of small projects	9	may be weighted average of small projects	12				
W/O Enhancement	2004																									
W Enhancement	2004																									
W/O Enhancement	2005																									
W Enhancement	2005																									
W/O Enhancement	2006																									
W Enhancement	2006																									
W/O Enhancement	2007																									
W Enhancement	2007																									
W/O Enhancement	2008																									
W Enhancement	2008																									
W/O Enhancement	2009	30,389,370	1,018,653	19,836,665	37,569	19,799,096	331,762	202,307	2,299	200,008	20,130															
W Enhancement	2009	30,389,370	1,058,937	19,836,665	37,569	19,799,096	344,885	202,307	2,299	200,008	20,926															
W/O Enhancement	2010	29,696,076	5,988,298	19,799,096	450,833	19,348,262	3,900,755	200,008	4,598	195,410	39,441	13,004,087	49,258	12,954,829	434,246	4,878,144	55,433	4,822,711	485,394	39,817,018	226,233	39,590,785	1,991,057	365,679		
W Enhancement	2010	29,696,076	6,224,489	19,799,096	450,833	19,348,262	4,054,643	200,008	4,598	195,410	40,995	13,004,087	49,258	12,954,829	451,419	4,878,144	55,433	4,822,711	504,573	39,817,018	226,233	39,590,785	2,069,779	365,679		
W/O Enhancement	2011	29,002,783	5,864,679	19,348,262	450,833	18,897,429	3,820,368	195,410	4,598	190,812	38,621	12,954,829	295,547	12,659,282	2,552,780	4,822,711	110,867	4,711,844	951,019	39,590,785	904,932	38,685,853	7,802,873	365,679		
W Enhancement	2011	29,002,783	6,095,356	19,348,262	450,833	18,897,429	3,970,671	195,410	4,598	190,812	39,441	12,954,829	295,547	12,659,282	2,653,467	4,822,711	110,867	4,711,844	988,496	39,590,785	904,932	38,685,853	8,110,565	365,679		
W/O Enhancement	2012	28,309,489	5,741,060	18,897,429	450,833	18,446,596	3,739,982	190,812	4,598	186,214	37,801	12,659,282	295,547	12,363,734	2,500,082	4,711,844	110,867	4,600,977	931,251	38,685,853	904,932	37,780,921	7,641,517	357,368		
W Enhancement	2012	28,309,489	5,966,223	18,897,429	450,833	18,446,596	3,866,699	190,812	4,598	186,214	39,282	12,659,282	295,547	12,363,734	2,598,418	4,711,844	110,867	4,600,977	967,846	38,685,853	904,932	37,780,921	7,942,012	357,368		
W/O Enhancement	2013	27,616,196	5,617,442	18,446,596	450,833	17,995,762	3,659,595	186,214	4,598	181,617	36,981	12,363,734	295,547	12,068,187	2,447,384	4,600,977	110,867	4,490,110	911,483	37,780,921	904,932	36,875,989	7,480,162	349,057		
W Enhancement	2013	27,616,196	5,837,090	18,446,596	450,833	17,995,762	3,802,727	186,214	4,598	181,617	38,426	12,363,734	295,547	12,068,187	2,543,370	4,600,977	110,867	4,490,110	947,195	37,780,921	904,932	36,875,989	7,738,459	349,057		
W/O Enhancement	2014	26,922,902	5,493,823	17,995,762	450,833	17,544,929	3,579,209	181,617	4,598	177,019	36,161	12,068,187	295,547	11,772,639	2,394,686	4,490,110	110,867	4,379,243	891,715	36,875,989	904,932	35,971,056	7,318,807	340,746		
W Enhancement	2014	26,922,902	5,707,957	17,995,762	450,833	17,544,929	3,718,754	181,617	4,598	177,019	37,569	12,068,187	295,547	11,772,639	2,488,321	4,490,110	110,867	4,379,243	926,545	36,875,989	904,932	35,971,056	7,604,906	340,746		
W/O Enhancement	2015	26,229,608	5,370,204	17,544,929	450,833	17,094,096	3,498,822	177,019	4,598	172,421	35,342	11,772,639	295,547	11,477,092	2,341,988	4,379,243	110,867	4,268,376	871,946	35,971,056	904,932	35,066,124	7,157,451	332,435		
W Enhancement	2015	26,229,608	5,578,824	17,544,929	450,833	17,094,096	3,634,782	177,019	4,598	172,421	36,713	11,772,639	295,547	11,477,092	2,433,272	4,379,243	110,867	4,268,376	905,895	35,971,056	904,932	35,066,124	7,436,354	332,435		
W/O Enhancement	2016	25,536,315	5,246,585	17,094,096	450,833	16,643,262	3,418,436	172,421	4,598	167,823	34,522	11,477,092	295,547	11,181,545	2,289,290	4,268,376	110,867	4,157,509	852,178	35,066,124	904,932	34,161,192	6,996,096	324,125		
W Enhancement	2016	25,536,315	5,449,691	17,094,096	450,833	16,643,262	3,550,810	172,421	4,598	167,823	35,857	11,477,092	295,547	11,181,545	2,378,224	4,268,376	110,867	4,157,509	885,245	35,066,124	904,932	34,161,192	7,267,801	324,125		
W/O Enhancement	2017	24,843,021	5,122,967	16,643,262	450,833	16,192,429	3,338,049	167,823	4,598	163,225	33,702	11,181,545	295,547	10,885,997	2,236,592	4,157,509	110,867	4,046,642	832,410	34,161,192	904,932	33,256,260	6,834,741	315,814		
W Enhancement	2017	24,843,021	5,320,558	16,643,262	450,833	16,192,429	3,466,838	167,823	4,598	163,225	35,000	11,181,545	295,547	10,885,997	2,323,175	4,157,509	110,867	4,046,642	864,595	34,161,192	904,932	33,256,260	7,099,248	315,814		
W/O Enhancement	2018	24,149,728	4,999,348	16,192,429	450,833	15,741,596	3,257,663	163,225	4,598	158,627	32,882	10,885,997	295,547	10,590,450	2,183,894	4,046,642	110,867	3,935,776	812,641	33,256,260	904,932	32,351,327	6,673,385	307,503		
W Enhancement	2018	24,149,728	5,191,425	16,192,429	450,833	15,741,596	3,382,865	163,225	4,598	158,627	34,144	10,885,997	295,547	10,590,450	2,268,126	4,046,642	110,867	3,935,776	843,945	33,256,260	904,932	32,351,327	6,930,995	307,503		
W/O Enhancement	2019	23,456,434	4,875,729	15,741,596	450,833	15,290,763	3,177,276	158,627	4,598	154,029	32,062	10,590,450	295,547	10,294,902	2,131,196	3,935,776	110,867	3,824,909	792,873	32,351,327	904,932	31,446,395	6,512,030	299,192		
W Enhancement	2019	23,456,434	5,062,292	15,741,596	450,833	15,290,763	3,298,893	158,627	4,598	154,029	33,287	10,590,450	295,547	10,294,902	2,213,077	3,935,776	110,867	3,824,909	823,295	32,351,327	904,932	31,446,395	6,762,142	299,192		
W/O Enhancement	2020	22,763,140	4,752,110	15,290,763	450,833	14,839,929	3,066,890	154,029	4,598	149,431	31,242	10,294,902	295,547	9,999,355	2,078,498	3,824,909	110,867	3,714,042	773,105	31,446,395	904,932	30,541,463	6,350,675	290,881		
W Enhancement	2020	22,763,140	4,933,159	15,290,763	450,833	14,839,929	3,214,921	154,029	4,598	149,431	32,431	10,294,902	295,547	9,999,355	2,158,009	3,824,909	110,867	3,714,042	802,645	31,446,395	904,932	30,541,463	6,593,920	290,881		
W/O Enhancement	2021	22,069,847	4,628,491	14,839,929	450,833	14,389,096	3,016,503	149,431	4,598	144,833	30,423	9,999,355	295,547	9,703,807	2,025,829	3,714,042	110,867	3,603,175	753,337	30,541,463	904,932	29,636,531	6,189,319	282,570		
W Enhancement	2021	22,069,847	4,804,027	14,839,929	450,833	14,389,096	3,130,948	149,431	4,598	144,833	31,675	9,999,355	295,547	9,703,807	2,102,980	3,714,042	110,867	3,603,175	781,995	30,541,463	904,932	29,636,531	6,425,037	282,570		
W/O Enhancement	2022	21,376,553	4,504,873	14,389,096	450,833	13,938,263	2,936,117	144,833	4,598	140,236	29,603	9,703,807	295,547	9,408,260	1,973,102	3,603,175	110,867	3,492,308	733,568	29,636,531	904,932	28,731,599	6,027,964	274,259		
W Enhancement	2022	21,376,553	4,674,894	14,389,096	450,833	13,938,263	3,046,976	144,833	4,598	140,236	30,718	9,703,807	295,547	9,408,260	2,047,931	3,603,175	110,867	3,492,308	761,345	29,636,531	904,932	28,				

W Enhancement	2031	15,136,911	3,512,697	10,331,596	450,833	9,880,763	2,291,226	103,452	4,598	98,855	23,011	7,043,880	295,547	6,748,333	1,552,493	2,605,373	110,867	2,494,506	575,494	21,492,141	904,932	20,587,208	4,739,509	199,461
W/O Enhancement	2032	14,443,617	3,268,685	9,880,763	450,833	9,429,930	2,132,251	98,855	4,598	94,257	21,404	6,748,333	295,547	6,452,786	1,446,121	2,494,506	110,867	2,383,639	535,885	20,587,208	904,932	19,682,276	4,570,956	191,150
W Enhancement	2032	14,443,617	3,383,564	9,880,763	450,833	9,429,930	2,207,253	98,855	4,598	94,257	22,154	6,748,333	295,547	6,452,786	1,497,444	2,494,506	110,867	2,383,639	554,844	20,587,208	904,932	19,682,276	4,570,956	191,150
W/O Enhancement	2033	13,750,323	3,145,066	9,429,930	450,833	8,979,096	2,051,865	94,257	4,598	89,659	20,585	6,452,786	295,547	6,157,238	1,393,423	2,383,639	110,867	2,272,772	516,117	19,682,276	904,932	18,777,344	4,253,055	182,840
W Enhancement	2033	13,750,323	3,254,431	9,429,930	450,833	8,979,096	2,123,281	94,257	4,598	89,659	21,298	6,452,786	295,547	6,157,238	1,442,396	2,383,639	110,867	2,272,772	534,194	19,682,276	904,932	18,777,344	4,402,403	182,840
W/O Enhancement	2034	13,057,030	3,021,447	8,979,096	450,833	8,528,263	1,971,478	89,659	4,598	85,061	19,765	6,157,238	295,547	5,861,691	1,340,725	2,272,772	110,867	2,161,905	496,349	18,777,344	904,932	17,872,412	4,091,700	174,529
W Enhancement	2034	13,057,030	3,125,298	8,979,096	450,833	8,528,263	2,039,309	89,659	4,598	85,061	20,441	6,157,238	295,547	5,861,691	1,387,347	2,272,772	110,867	2,161,905	513,544	18,777,344	904,932	17,872,412	4,233,850	174,529
W/O Enhancement	2035	12,363,736	2,897,829	8,528,263	450,833	8,077,430	1,891,092	85,061	4,598	80,463	18,945	5,861,691	295,547	5,566,143	1,288,027	2,161,905	110,867	2,051,038	476,580	17,872,412	904,932	16,967,479	3,930,345	166,218
W Enhancement	2035	12,363,736	2,996,165	8,528,263	450,833	8,077,430	1,955,337	85,061	4,598	80,463	19,585	5,861,691	295,547	5,566,143	1,332,298	2,161,905	110,867	2,051,038	492,894	17,872,412	904,932	16,967,479	4,065,297	166,218
W/O Enhancement	2036	11,670,442	2,774,210	8,077,430	450,833	7,626,597	1,810,705	80,463	4,598	75,865	18,125	5,566,143	295,547	5,270,596	1,235,329	2,051,038	110,867	1,940,171	456,812	16,967,479	904,932	16,062,547	3,768,989	157,907
W Enhancement	2036	11,670,442	2,867,032	8,077,430	450,833	7,626,597	1,871,364	80,463	4,598	75,865	18,729	5,566,143	295,547	5,270,596	1,277,249	2,051,038	110,867	1,940,171	472,243	16,967,479	904,932	16,062,547	3,896,745	157,907
W/O Enhancement	2037	10,977,149	2,650,591	7,626,597	450,833	7,175,763	1,730,319	75,865	4,598	71,267	17,305	5,270,596	295,547	4,975,048	1,182,631	1,940,171	110,867	1,829,304	437,044	16,062,547	904,932	15,157,615	3,607,634	149,596
W Enhancement	2037	10,977,149	2,737,899	7,626,597	450,833	7,175,763	1,787,392	75,865	4,598	71,267	17,872	5,270,596	295,547	4,975,048	1,222,201	1,940,171	110,867	1,829,304	451,593	16,062,547	904,932	15,157,615	3,728,192	149,596
W/O Enhancement	2038	10,283,855	2,526,972	7,175,763	450,833	6,724,930	1,649,932	71,267	4,598	66,669	16,485	4,975,048	295,547	4,679,501	1,129,933	1,829,304	110,867	1,718,437	417,275	15,157,615	904,932	14,252,683	3,446,279	141,285
W Enhancement	2038	10,283,855	2,608,766	7,175,763	450,833	6,724,930	1,703,420	71,267	4,598	66,669	17,016	4,975,048	295,547	4,679,501	1,167,152	1,829,304	110,867	1,718,437	430,943	15,157,615	904,932	14,252,683	3,559,639	141,285
W/O Enhancement	2039	9,590,562	2,403,353	6,724,930	450,833	6,274,097	1,569,546	66,669	4,598	62,071	15,666	4,679,501	295,547	4,383,954	1,077,235	1,718,437	110,867	1,607,570	397,507	14,252,683	904,932	13,347,750	3,284,923	132,974
W Enhancement	2039	9,590,562	2,479,633	6,724,930	450,833	6,274,097	1,619,447	66,669	4,598	62,071	16,159	4,679,501	295,547	4,383,954	1,112,103	1,718,437	110,867	1,607,570	410,293	14,252,683	904,932	13,347,750	3,391,086	132,974
W/O Enhancement	2040	8,897,268	2,279,735	6,274,097	450,833	5,823,263	1,489,159	62,071	4,598	57,474	14,846	4,383,954	295,547	4,088,406	1,024,537	1,607,570	110,867	1,496,703	377,739	13,347,750	904,932	12,442,818	3,123,568	124,663
W Enhancement	2040	8,897,268	2,350,500	6,274,097	450,833	5,823,263	1,535,475	62,071	4,598	57,474	15,303	4,383,954	295,547	4,088,406	1,057,055	1,607,570	110,867	1,496,703	389,643	13,347,750	904,932	12,442,818	3,222,533	124,663
W/O Enhancement	2041	8,203,974	2,156,116	5,823,263	450,833	5,372,430	1,408,773	57,474	4,598	52,876	14,026	4,088,406	295,547	3,792,859	971,839	1,496,703	110,867	1,385,836	357,971	12,442,818	904,932	11,537,886	2,962,213	116,352
W Enhancement	2041	8,203,974	2,221,367	5,823,263	450,833	5,372,430	1,451,503	57,474	4,598	52,876	14,447	4,088,406	295,547	3,792,859	1,002,006	1,496,703	110,867	1,385,836	368,993	12,442,818	904,932	11,537,886	3,053,981	116,352
W/O Enhancement	2042	7,510,681	2,032,497	5,372,430	450,833	4,921,597	1,328,386	52,876	4,598	48,278	13,206	3,792,859	295,547	3,497,311	919,141	1,385,836	110,867	1,274,970	338,202	11,537,886	904,932	10,632,954	2,800,857	108,042
W Enhancement	2042	7,510,681	2,092,234	5,372,430	450,833	4,921,597	1,367,531	52,876	4,598	48,278	13,590	3,792,859	295,547	3,497,311	946,957	1,385,836	110,867	1,274,970	348,343	11,537,886	904,932	10,632,954	2,885,428	108,042
W/O Enhancement	2043	6,817,387	1,908,878	4,921,597	450,833	4,470,764	1,248,000	48,278	4,598	43,680	12,386	3,497,311	295,547	3,201,764	866,443	1,274,970	110,867	1,164,103	318,434	10,632,954	904,932	9,728,022	2,639,502	99,731
W Enhancement	2043	6,817,387	1,963,101	4,921,597	450,833	4,470,764	1,283,558	48,278	4,598	43,680	12,734	3,497,311	295,547	3,201,764	891,908	1,274,970	110,867	1,164,103	327,693	10,632,954	904,932	9,728,022	2,716,875	99,731
W/O Enhancement	2044	6,124,094	1,785,260	4,470,764	450,833	4,019,930	1,167,613	43,680	4,598	39,082	11,566	3,201,764	295,547	2,906,216	813,745	1,164,103	110,867	1,053,236	298,666	9,728,022	904,932	8,823,089	2,478,147	91,420
W Enhancement	2044	6,124,094	1,833,968	4,470,764	450,833	4,019,930	1,199,586	43,680	4,598	39,082	11,877	3,201,764	295,547	2,906,216	836,860	1,164,103	110,867	1,053,236	307,043	9,728,022	904,932	8,823,089	2,548,322	91,420
W/O Enhancement	2045	5,430,800	1,661,641	4,019,930	450,833	3,569,097	1,087,227	39,082	4,598	34,484	10,747	2,906,216	295,547	2,610,669	761,047	1,053,236	110,867	942,369	278,897	8,823,089	904,932	7,918,157	2,316,791	83,109
W Enhancement	2045	5,430,800	1,704,835	4,019,930	450,833	3,569,097	1,115,614	39,082	4,598	34,484	11,021	2,906,216	295,547	2,610,669	781,811	1,053,236	110,867	942,369	286,939	8,823,089	904,932	7,918,157	2,379,769	83,109
W/O Enhancement	2046	4,737,506	1,538,022	3,569,097	450,833	3,118,264	1,006,840	34,484	4,598	29,886	9,927	2,610,669	295,547	2,315,122	708,349	942,369	110,867	831,502	259,129	7,918,157	904,932	7,013,225	2,155,436	74,798
W Enhancement	2046	4,737,506	1,575,702	3,569,097	450,833	3,118,264	1,031,642	34,484	4,598	29,886	10,165	2,610,669	295,547	2,315,122	726,762	942,369	110,867	831,502	265,743	7,918,157	904,932	7,013,225	2,211,217	74,798
W/O Enhancement	2047	4,044,213	1,414,403	3,118,264	450,833	2,667,430	926,454	29,886	4,598	25,288	9,107	2,315,122	295,547	2,019,574	655,651	831,502	110,867	720,635	239,361	7,013,225	904,932	6,108,293	1,994,081	66,487
W Enhancement	2047	4,044,213	1,446,569	3,118,264	450,833	2,667,430	947,669	29,886	4,598	25,288	9,308	2,315,122	295,547	2,019,574	671,714	831,502	110,867	720,635	245,092	7,013,225	904,932	6,108,293	2,042,664	66,487
W/O Enhancement	2048	3,350,919	1,290,784	2,667,430	450,833	2,216,597	846,067	25,288	4,598	20,690	8,287	2,019,574	295,547	1,724,027	602,953	720,635	110,867	609,768	219,593	6,108,293	904,932	5,203,360	1,832,725	58,176
W Enhancement	2048	3,350,919	1,317,436	2,667,430	450,833	2,216,597	863,697	25,288	4,598	20,690	8,452	2,019,574	295,547	1,724,027	616,665	720,635	110,867	609,768	224,442	6,108,293	904,932	5,203,360	1,874,111	58,176
W/O Enhancement	2049	2,657,626	1,167,166	2,216,597	450,833	1,765,764	765,681	16,093	4,598	16,093	7,467	1,724,027	295,547	1,428,479	550,255	609,768	110,867	498,901	199,824	5,203,360	904,932	4,298,428	1,671,370	49,865
W Enhancement	2049	2,657,626	1,188,303	2,216,597	450,833	1,765,764	779,725	16,093	4,598	16,093	7,595	1,724,027	295,547	1,428,479	561,616	609,768	110,867	498,901	203,792	5,203,360	904,932	4,298,428	1,705,558	49,865
W/O Enhancement	2050	1,964,332	1,043,547	1,765,764	450,833	1,314,930	685,294	16,093	4,598	11,495	6,647	1,428,479	295,547	1,132,932	497,557	498,901	110,867	388,034	180,056	4,298,428	904,932	3,393,496	1,510,015	41,554
W Enhancement	2050	1,964,332	1,059,170	1,765,764	450,833	1,314,930	695,752	16,093	4,598	11,495	6,739	1,428,479	295,547	1,132,932	506,562	498,901	110,							

New Plant Carrying Charge

FCR if not a CIAC	
Formula Line	
A	159
B	166
C	

FCR if a CIAC	
D	160

The FCR resulting from Formula in a giv
Therefore actual revenues collected in a
Per FERC's orders in Docket No. ER07-5
The rest of transmission rate base gets a

Details		Northwest to Finksburg 2010				Waugh Chapel 500/230 kV Transformer 2011				Waugh Chapel 500 kV Substation Project 2011				Northwest to Finksburg 2011				Waugh Chapel 500/230 kV Transformer 2012				Second Conastone-Graceton 230kV Circuit 2016				Rebuild Graceton-Bagley 230kV 2						
Schedule 12	(Yes or No)					Yes				Yes				No				Yes				Yes				Yes						
Life		44				44				44				44				44				44				44						
CIAC	(Yes or No)					No				No				No				No				No				No						
ROE Incentive (Basis Points)		0				0				100				100				0				0				0						
FCR W/O Incentive		0.178306533				0.178306533				0.178306533				0.178306533				0.178306533				0.178306533				0.178306533						
FCR for This Project		0.178306533				0.178306533				0.186260147				0.186260147				0.178306533				0.178306533				0.178306533						
Investment	may be weighted average of small projects	25,381,014.00				25,381,014.00				2,395,092.48				2,395,092.48				543,960.00				543,960.00				21,282,433				88,780,382		
Annual Depreciation Exp		576,841				576,841				54,434				4,725				12,363				483,692				2,017,736				2,017,736		
In Service Month (1-12)	may be weighted average of small projects	6				6				7				3				2				9				9				9		
W/O Enhancement	2004																															
W Enhancement	2004																															
W/O Enhancement	2005																															
W Enhancement	2005																															
W/O Enhancement	2006																															
W Enhancement	2006																															
W/O Enhancement	2007																															
W Enhancement	2007																															
W/O Enhancement	2008																															
W Enhancement	2008																															
W/O Enhancement	2009																															
W Enhancement	2009																															
W/O Enhancement	2010			365,679	-																											
W Enhancement	2010			365,679	-																											
W/O Enhancement	2011	8,311	357,368	72,032		25,381,014	432,631	24,948,383	2,656,861	2,395,092	40,825	2,354,267	215,734	207,901	3,544	204,358	30,872															
W Enhancement	2011	8,311	357,368	74,874		25,381,014	432,631	24,948,383	2,656,861	2,395,092	40,825	2,354,267	223,536	207,901	3,544	204,358	32,092															
W/O Enhancement	2012	8,311	349,057	70,550		24,948,383	576,841	24,371,542	4,922,446		54,434	2,299,833	464,509					543,960	9,272	534,688	91,811											
W Enhancement	2012	8,311	349,057	73,326		24,948,383	576,841	24,371,542	4,922,446		54,434	2,299,833	482,801					543,960	9,272	534,688	91,811											
W/O Enhancement	2013	8,311	340,746	69,068		23,794,701	576,841	23,794,701	4,819,592		54,434	2,245,399	454,803					543,960	12,363	522,325	105,497											
W Enhancement	2013	8,311	340,746	71,778		23,794,701	576,841	23,794,701	4,819,592		54,434	2,245,399	472,662					543,960	12,363	522,325	105,497											
W/O Enhancement	2014	8,311	332,435	67,586		23,794,701	576,841	23,217,859	4,716,737		54,434	2,190,965	445,097					543,960	12,363	509,963	103,292											
W Enhancement	2014	8,311	332,435	70,230		23,794,701	576,841	23,217,859	4,716,737		54,434	2,190,965	462,523					543,960	12,363	509,963	103,292											
W/O Enhancement	2015	8,311	324,125	66,104		23,217,859	576,841	22,641,018	4,613,883		54,434	2,136,531	435,391					509,963	12,363	497,600	101,088											
W Enhancement	2015	8,311	324,125	68,682		23,217,859	576,841	22,641,018	4,613,883		54,434	2,136,531	452,385					509,963	12,363	497,600	101,088											
W/O Enhancement	2016	8,311	315,814	64,623		22,641,018	576,841	22,064,177	4,511,028		54,434	2,082,097	425,685					497,600	12,363	485,237	98,884	21,282,433	120,923	21,161,510	1,064,232	88,780,382	504,434	88,275,948				
W Enhancement	2016	8,311	315,814	67,134		22,641,018	576,841	22,064,177	4,511,028		54,434	2,082,097	442,246					497,600	12,363	485,237	98,884	21,282,433	120,923	21,161,510	1,064,232	88,780,382	504,434	88,275,948				
W/O Enhancement	2017	8,311	307,503	63,141		22,064,177	576,841	21,487,336	4,408,174		54,434	2,027,664	415,980					485,237	12,363	472,874	96,679	21,161,510	483,692	20,677,818	4,170,682	88,275,948	2,017,736	86,258,212				
W Enhancement	2017	8,311	307,503	65,586		22,064,177	576,841	21,487,336	4,408,174		54,434	2,027,664	432,107					485,237	12,363	472,874	96,679	21,161,510	483,692	20,677,818	4,170,682	88,275,948	2,017,736	86,258,212				
W/O Enhancement	2018	8,311	299,192	61,659		21,487,336	576,841	20,910,494	4,305,319		54,434	1,973,230	406,274					460,512	12,363	460,512	94,475	20,677,818	483,692	20,194,126	4,084,436	86,258,212	2,017,736	84,240,477				
W Enhancement	2018	8,311	299,192	64,038		21,487,336	576,841	20,910,494	4,305,319		54,434	1,973,230	421,968					460,512	12,363	460,512	94,475	20,677,818	483,692	20,194,126	4,084,436	86,258,212	2,017,736	84,240,477				
W/O Enhancement	2019	8,311	290,881	60,177		20,910,494	576,841	20,333,653	4,202,464		54,434	1,918,796	396,568					448,149	12,363	448,149	92,271	20,194,126	483,692	19,710,435	3,998,191	84,240,477	2,017,736	82,222,741				
W Enhancement	2019	8,311	290,881	62,490		20,910,494	576,841	20,333,653	4,202,464		54,434	1,918,796	411,829					448,149	12,363	448,149	92,271	20,194,126	483,692	19,710,435	3,998,191	84,240,477	2,017,736	82,222,741				
W/O Enhancement	2020	8,311	282,570	58,695		20,333,653	576,841	19,756,812	4,099,610		54,434	1,864,362	386,862					435,786	12,363	435,786	90,066	19,710,435	483,692	19,226,743	3,911,946	80,205,005	2,017,736	78,187,269				
W Enhancement	2020	8,311	282,570	60,942		20,333,653	576,841	19,756,812	4,099,610		54,434	1,864,362	401,690					435,786	12,363	435,786	90,066	19,710,435	483,692	19,226,743	3,911,946	80,205,005	2,017,736	78,187,269				
W/O Enhancement	2021	8,311	274,259	57,213		19,756,812	576,841	19,179,971	3,996,755		54,434	1,809,928	377,156					423,423	12,363	423,423	87,862	19,226,743	483,692	18,743,051	3,825,700	80,205,005	2,017,736	78,187,269				
W Enhancement	2021	8,311	274,259	59,394		19,756,812	576,841	19,179,971	3,996,755		54,434	1,809,928	391,551					423,423	12,363	423,423	87,862	19,226,743	483,692	18,743,051	3,825,700	80,205,005	2,017,736	78,187,269				
W/O Enhancement	2022	8,311	265,948	55,731		19,179,971	576,841	18,603,130	3,893,901		54,434	1,755,494	367,450					411,061	12,363	411,061	85,658	18,743,051	483,692	18,259,360	3,739,455	78,187,269	2,017,736	76,169,533				
W Enhancement	2022	8,311	265,948	57,846		19,179,971	576,841	18,603,130	3,893,901		54,434	1,755,494	381,412					411,061	12,363	411,061	85,658	18,743,051	483,692	18,259,360	3,739,455	78,187,269	2,017,736	76,169,533				
W/O Enhancement	2023	8,311	257,637	54,249		18,603,130	576,841	18,028,288	3,791,046		54,434	1,701,060	357,744					398,698	12,363	398,698	83,453	18,259,360	483,692	17,775,668	3,653,209	76,169,533	2,017,736	74,151,797				
W Enhancement	2023	8,311	257,637	56,298		18,603,130	576,841	18,028,288	3,791,046		54,434	1,701,060	371,274					398,698	12,363	398,698	83,453	18,259,360	483,692	17,775,668	3,653,209	76,169,533	2,017,736	74,151,797				
W/O Enhancement	2024	8,311	249,327	52,767		18,028,288	576,841	17,449,447	3,688,192		54,434	1,646,626	348,038					386,335	12,363	386,335	81,249	17,775,668	483,692	17,291,976	3,566,964	74,151,797	2,017,736	72,134,061				
W Enhancement	2024	8,311	249,327	54,750		18,028,288	576,841	17,449,447	3,688,192		54,434	1,646,626	361,135					386,335	12,363	386,335	81,249	17,775,668	483,692	17,291,976	3,566,964	74,151,797	2,017,736	72,134,061				

W Enhancement	2031	8,311	191,150	43,915	13,988,400	576,841	13,411,559	2,968,210	1,320,023	54,434	1,265,589	290,163	114,582	4,725	109,857	25,187	312,159	12,363	299,796	65,818	14,389,827	483,692	13,906,135	2,963,246	60,027,645	2,017,736	58,009,909
W/O Enhancement	2032	8,311	182,840	40,912	13,411,559	576,841	12,834,717	2,865,355	1,265,589	54,434	1,211,155	270,391	109,857	4,725	105,132	23,471	299,796	12,363	287,433	63,614	13,906,135	483,692	13,422,443	2,877,001	58,009,909	2,017,736	55,992,173
W Enhancement	2032	8,311	182,840	42,367	13,411,559	576,841	12,834,717	2,865,355	1,265,589	54,434	1,211,155	280,024	109,857	4,725	105,132	24,307	299,796	12,363	287,433	63,614	13,906,135	483,692	13,422,443	2,877,001	58,009,909	2,017,736	55,992,173
W/O Enhancement	2033	8,311	174,529	39,430	12,834,717	576,841	12,257,876	2,762,501	1,211,155	54,434	1,156,721	260,685	105,132	4,725	100,407	22,628	287,433	12,363	275,071	61,410	13,422,443	483,692	12,938,752	2,790,756	55,992,173	2,017,736	53,974,437
W Enhancement	2033	8,311	174,529	40,819	12,834,717	576,841	12,257,876	2,762,501	1,211,155	54,434	1,156,721	269,885	105,132	4,725	100,407	23,427	287,433	12,363	275,071	61,410	13,422,443	483,692	12,938,752	2,790,756	55,992,173	2,017,736	53,974,437
W/O Enhancement	2034	8,311	166,218	37,949	12,257,876	576,841	11,681,035	2,659,646	1,156,721	54,434	1,102,287	250,979	100,407	4,725	95,682	21,786	275,071	12,363	262,708	59,205	12,938,752	483,692	12,455,060	2,704,510	53,974,437	2,017,736	51,956,701
W Enhancement	2034	8,311	166,218	39,271	12,257,876	576,841	11,681,035	2,659,646	1,156,721	54,434	1,102,287	259,746	100,407	4,725	95,682	22,547	275,071	12,363	262,708	59,205	12,938,752	483,692	12,455,060	2,704,510	53,974,437	2,017,736	51,956,701
W/O Enhancement	2035	8,311	157,907	36,467	11,681,035	576,841	11,104,194	2,556,791	1,102,287	54,434	1,047,853	241,273	95,682	4,725	90,957	20,943	262,708	12,363	250,345	57,001	12,455,060	483,692	11,971,368	2,618,265	51,956,701	2,017,736	49,938,965
W Enhancement	2035	8,311	157,907	37,723	11,681,035	576,841	11,104,194	2,556,791	1,102,287	54,434	1,047,853	249,607	95,682	4,725	90,957	21,667	262,708	12,363	250,345	57,001	12,455,060	483,692	11,971,368	2,618,265	51,956,701	2,017,736	49,938,965
W/O Enhancement	2036	8,311	149,596	34,985	11,104,194	576,841	10,527,352	2,453,937	1,047,853	54,434	993,419	231,567	90,957	4,725	86,232	20,101	250,345	12,363	237,983	54,797	11,971,368	483,692	11,487,677	2,532,019	49,938,965	2,017,736	47,921,229
W Enhancement	2036	8,311	149,596	36,175	11,104,194	576,841	10,527,352	2,453,937	1,047,853	54,434	993,419	239,468	90,957	4,725	86,232	20,787	250,345	12,363	237,983	54,797	11,971,368	483,692	11,487,677	2,532,019	49,938,965	2,017,736	47,921,229
W/O Enhancement	2037	8,311	141,285	33,503	10,527,352	576,841	9,950,511	2,351,082	993,419	54,434	938,985	221,861	86,232	4,725	81,507	19,258	237,983	12,363	225,620	52,592	11,487,677	483,692	11,003,985	2,445,774	47,921,229	2,017,736	45,903,493
W Enhancement	2037	8,311	141,285	34,627	10,527,352	576,841	9,950,511	2,351,082	993,419	54,434	938,985	229,329	86,232	4,725	81,507	19,906	237,983	12,363	225,620	52,592	11,487,677	483,692	11,003,985	2,445,774	47,921,229	2,017,736	45,903,493
W/O Enhancement	2038	8,311	132,974	32,021	9,950,511	576,841	9,373,670	2,248,228	938,985	54,434	884,551	212,155	81,507	4,725	76,782	18,416	225,620	12,363	213,257	50,388	11,003,985	483,692	10,520,293	2,359,529	45,903,493	2,017,736	43,885,757
W Enhancement	2038	8,311	132,974	33,079	9,950,511	576,841	9,373,670	2,248,228	938,985	54,434	884,551	219,191	81,507	4,725	76,782	19,026	225,620	12,363	213,257	50,388	11,003,985	483,692	10,520,293	2,359,529	45,903,493	2,017,736	43,885,757
W/O Enhancement	2039	8,311	124,663	30,539	9,373,670	576,841	8,796,829	2,145,373	884,551	54,434	830,117	202,449	76,782	4,725	72,057	17,573	213,257	12,363	200,894	48,183	10,520,293	483,692	10,036,602	2,273,283	43,885,757	2,017,736	41,868,021
W Enhancement	2039	8,311	124,663	31,531	9,373,670	576,841	8,796,829	2,145,373	884,551	54,434	830,117	209,052	76,782	4,725	72,057	18,146	213,257	12,363	200,894	48,183	10,520,293	483,692	10,036,602	2,273,283	43,885,757	2,017,736	41,868,021
W/O Enhancement	2040	8,311	116,352	29,057	8,796,829	576,841	8,219,987	2,042,519	830,117	54,434	775,683	192,743	72,057	4,725	67,332	16,731	200,894	12,363	188,532	45,979	10,036,602	483,692	9,552,910	2,187,038	41,868,021	2,017,736	39,850,285
W Enhancement	2040	8,311	116,352	29,983	8,796,829	576,841	8,219,987	2,042,519	830,117	54,434	775,683	198,913	72,057	4,725	67,332	17,266	200,894	12,363	188,532	45,979	10,036,602	483,692	9,552,910	2,187,038	41,868,021	2,017,736	39,850,285
W/O Enhancement	2041	8,311	108,042	27,575	8,219,987	576,841	7,643,146	1,939,664	775,683	54,434	721,249	183,037	67,332	4,725	62,607	15,888	188,532	12,363	176,169	43,775	9,552,910	483,692	9,069,218	2,100,793	39,850,285	2,017,736	37,832,549
W Enhancement	2041	8,311	108,042	28,435	8,219,987	576,841	7,643,146	1,939,664	775,683	54,434	721,249	188,774	67,332	4,725	62,607	16,386	188,532	12,363	176,169	43,775	9,552,910	483,692	9,069,218	2,100,793	39,850,285	2,017,736	37,832,549
W/O Enhancement	2042	8,311	99,731	26,094	7,643,146	576,841	7,066,305	1,836,810	721,249	54,434	666,816	173,331	62,607	4,725	57,882	15,046	176,169	12,363	163,806	41,570	9,069,218	483,692	8,585,527	2,014,547	37,832,549	2,017,736	35,814,813
W Enhancement	2042	8,311	99,731	26,887	7,643,146	576,841	7,066,305	1,836,810	721,249	54,434	666,816	178,635	62,607	4,725	57,882	15,506	176,169	12,363	163,806	41,570	9,069,218	483,692	8,585,527	2,014,547	37,832,549	2,017,736	35,814,813
W/O Enhancement	2043	8,311	91,420	24,612	7,066,305	576,841	6,489,464	1,733,955	666,816	54,434	612,382	163,626	57,882	4,725	53,157	14,203	163,806	12,363	151,443	39,366	8,585,527	483,692	8,101,835	1,928,302	35,814,813	2,017,736	33,797,077
W Enhancement	2043	8,311	91,420	25,339	7,066,305	576,841	6,489,464	1,733,955	666,816	54,434	612,382	168,496	57,882	4,725	53,157	14,626	163,806	12,363	151,443	39,366	8,585,527	483,692	8,101,835	1,928,302	35,814,813	2,017,736	33,797,077
W/O Enhancement	2044	8,311	83,109	23,130	6,489,464	576,841	5,912,623	1,631,100	612,382	54,434	557,948	153,920	53,157	4,725	48,432	13,461	151,443	12,363	139,081	37,162	8,101,835	483,692	7,618,143	1,842,056	33,797,077	2,017,736	31,779,341
W Enhancement	2044	8,311	83,109	23,791	6,489,464	576,841	5,912,623	1,631,100	612,382	54,434	557,948	158,357	53,157	4,725	48,432	13,746	151,443	12,363	139,081	37,162	8,101,835	483,692	7,618,143	1,842,056	33,797,077	2,017,736	31,779,341
W/O Enhancement	2045	8,311	74,798	21,648	5,912,623	576,841	5,335,781	1,528,246	557,948	54,434	503,514	144,214	48,432	4,725	43,707	12,518	139,081	12,363	126,718	34,957	7,618,143	483,692	7,134,452	1,755,811	31,779,341	2,017,736	29,761,605
W Enhancement	2045	8,311	74,798	22,243	5,912,623	576,841	5,335,781	1,528,246	557,948	54,434	503,514	148,218	48,432	4,725	43,707	12,866	139,081	12,363	126,718	34,957	7,618,143	483,692	7,134,452	1,755,811	31,779,341	2,017,736	29,761,605
W/O Enhancement	2046	8,311	66,487	20,166	5,335,781	576,841	4,758,940	1,425,391	503,514	54,434	449,080	134,508	43,707	4,725	38,981	11,676	126,718	12,363	114,355	32,753	7,134,452	483,692	6,650,760	1,669,566	29,761,605	2,017,736	27,743,870
W Enhancement	2046	8,311	66,487	20,695	5,335,781	576,841	4,758,940	1,425,391	503,514	54,434	449,080	138,080	43,707	4,725	38,981	11,986	126,718	12,363	114,355	32,753	7,134,452	483,692	6,650,760	1,669,566	29,761,605	2,017,736	27,743,870
W/O Enhancement	2047	8,311	58,176	18,684	4,758,940	576,841	4,182,099	1,322,537	449,080	54,434	394,646	124,802	38,981	4,725	34,256	10,833	114,355	12,363	101,993	30,549	6,650,760	483,692	6,167,069	1,583,320	27,743,870	2,017,736	25,726,134
W Enhancement	2047	8,311	58,176	19,147	4,758,940	576,841	4,182,099	1,322,537	449,080	54,434	394,646	127,941	38,981	4,725	34,256	11,106	114,355	12,363	101,993	30,549	6,650,760	483,692	6,167,069	1,583,320	27,743,870	2,017,736	25,726,134
W/O Enhancement	2048	8,311	49,865	17,202	4,182,099	576,841	3,605,258	1,219,682	394,646	54,434	340,212	115,096	34,256	4,725	29,531	9,991	101,993	12,363	89,630	28,344	6,167,069	483,692	5,683,377	1,497,075	25,726,134	2,017,736	23,708,398
W Enhancement	2048	8,311	49,865	17,599	4,182,099	576,841	3,605,258	1,219,682	394,646	54,434	340,212	117,802	34,256	4,725	29,531	10,226	101,993	12,363	89,630	28,344	6,167,069	483,692	5,683,377	1,497,075	25,726,134	2,017,736	23,708,398
W/O Enhancement	2049	8,311	41,554	15,720	3,605,258	576,841	3,028,416	1,116,828	340,212	54,434	285,778	105,390	29,531	4,725	24,806	9,1											

W Enhancement	2031	12,361,282	20,285,861	676,195	19,609,666	4,172,727	\$40,622,718	\$	40,622,718		
W/O Enhancement	2032	12,001,506	19,609,666	676,195	18,933,470	4,052,157	\$38,694,122	\$	38,694,122	\$	38,694,122
W Enhancement	2032	12,001,506	19,609,666	676,195	18,933,470	4,052,157	\$39,285,704	\$	39,285,704		
W/O Enhancement	2033	11,641,731	18,933,470	676,195	18,257,275	3,931,587	\$37,385,521	\$	37,385,521		
W Enhancement	2033	11,641,731	18,933,470	676,195	18,257,275	3,931,587	\$37,948,691	\$	37,948,691		
W/O Enhancement	2034	11,281,955	18,257,275	676,195	17,581,080	3,811,017	\$36,076,920	\$	36,076,920		
W Enhancement	2034	11,281,955	18,257,275	676,195	17,581,080	3,811,017	\$36,611,678	\$	36,611,678		
W/O Enhancement	2035	10,922,180	17,581,080	676,195	16,904,884	3,690,447	\$34,768,319	\$	34,768,319		
W Enhancement	2035	10,922,180	17,581,080	676,195	16,904,884	3,690,447	\$35,274,665	\$	35,274,665		
W/O Enhancement	2036	10,562,404	16,904,884	676,195	16,228,689	3,569,877	\$33,459,718	\$	33,459,718		
W Enhancement	2036	10,562,404	16,904,884	676,195	16,228,689	3,569,877	\$33,937,652	\$	33,937,652		
W/O Enhancement	2037	10,202,629	16,228,689	676,195	15,552,494	3,449,307	\$32,151,117	\$	32,151,117		
W Enhancement	2037	10,202,629	16,228,689	676,195	15,552,494	3,449,307	\$32,600,639	\$	32,600,639		
W/O Enhancement	2038	9,842,853	15,552,494	676,195	14,876,298	3,328,737	\$30,842,516	\$	30,842,516		
W Enhancement	2038	9,842,853	15,552,494	676,195	14,876,298	3,328,737	\$31,263,626	\$	31,263,626		
W/O Enhancement	2039	9,483,078	14,876,298	676,195	14,200,103	3,208,166	\$29,533,915	\$	29,533,915		
W Enhancement	2039	9,483,078	14,876,298	676,195	14,200,103	3,208,166	\$29,926,612	\$	29,926,612		
W/O Enhancement	2040	9,123,302	14,200,103	676,195	13,523,907	3,087,596	\$28,225,314	\$	28,225,314		
W Enhancement	2040	9,123,302	14,200,103	676,195	13,523,907	3,087,596	\$28,589,599	\$	28,589,599		
W/O Enhancement	2041	8,763,527	13,523,907	676,195	12,847,712	2,967,026	\$26,916,713	\$	26,916,713		
W Enhancement	2041	8,763,527	13,523,907	676,195	12,847,712	2,967,026	\$27,252,586	\$	27,252,586		
W/O Enhancement	2042	8,403,751	12,847,712	676,195	12,171,517	2,846,456	\$25,608,112	\$	25,608,112		
W Enhancement	2042	8,403,751	12,847,712	676,195	12,171,517	2,846,456	\$25,915,573	\$	25,915,573		
W/O Enhancement	2043	8,043,976	12,171,517	676,195	11,495,321	2,725,886	\$24,299,511	\$	24,299,511		
W Enhancement	2043	8,043,976	12,171,517	676,195	11,495,321	2,725,886	\$24,578,560	\$	24,578,560		
W/O Enhancement	2044	7,684,200	11,495,321	676,195	10,819,126	2,605,316	\$22,990,910	\$	22,990,910		
W Enhancement	2044	7,684,200	11,495,321	676,195	10,819,126	2,605,316	\$23,241,547	\$	23,241,547		
W/O Enhancement	2045	7,324,425	10,819,126	676,195	10,142,931	2,484,746	\$21,682,309	\$	21,682,309		
W Enhancement	2045	7,324,425	10,819,126	676,195	10,142,931	2,484,746	\$21,904,534	\$	21,904,534		
W/O Enhancement	2046	6,964,649	10,142,931	676,195	9,466,735	2,364,176	\$20,373,708	\$	20,373,708		
W Enhancement	2046	6,964,649	10,142,931	676,195	9,466,735	2,364,176	\$20,567,520	\$	20,567,520		
W/O Enhancement	2047	6,604,874	9,466,735	676,195	8,790,540	2,243,606	\$19,065,107	\$	19,065,107		
W Enhancement	2047	6,604,874	9,466,735	676,195	8,790,540	2,243,606	\$19,230,507	\$	19,230,507		
W/O Enhancement	2048	6,245,098	8,790,540	676,195	8,114,344	2,123,036	\$17,756,506	\$	17,756,506		
W Enhancement	2048	6,245,098	8,790,540	676,195	8,114,344	2,123,036	\$17,893,494	\$	17,893,494		
W/O Enhancement	2049	5,885,323	8,114,344	676,195	7,438,149	2,002,466	\$16,447,905	\$	16,447,905		
W Enhancement	2049	5,885,323	8,114,344	676,195	7,438,149	2,002,466	\$16,556,481	\$	16,556,481		
W/O Enhancement	2050	5,525,547	7,438,149	676,195	6,761,954	1,881,896	\$15,139,304	\$	15,139,304		
W Enhancement	2050	5,525,547	7,438,149	676,195	6,761,954	1,881,896	\$15,219,468	\$	15,219,468		
W/O Enhancement	2051	5,165,772	6,761,954	676,195	6,085,758	1,761,326	\$13,767,962	\$	13,767,962		
W Enhancement	2051	5,165,772	6,761,954	676,195	6,085,758	1,761,326	\$13,820,322	\$	13,820,322		
W/O Enhancement	2052	4,805,996	6,085,758	676,195	5,409,563	1,640,756	\$12,284,755	\$	12,284,755		
W Enhancement	2052	4,805,996	6,085,758	676,195	5,409,563	1,640,756	\$12,311,131	\$	12,311,131		
W/O Enhancement	2053	4,446,221	5,409,563	676,195	4,733,368	1,520,186	\$10,560,069	\$	10,560,069		
W Enhancement	2053	4,446,221	5,409,563	676,195	4,733,368	1,520,186	\$10,567,127	\$	10,567,127		
W/O Enhancement	2054	4,086,445	4,733,368	676,195	4,057,172	1,399,616	\$ 8,405,784	\$	8,405,784		
W Enhancement	2054	4,086,445	4,733,368	676,195	4,057,172	1,399,616	\$ 8,403,270	\$	8,403,270		
W/O Enhancement	2055	3,726,670	4,057,172	676,195	3,380,977	1,279,046	\$ 6,462,934	\$	6,462,934		
W Enhancement	2055	3,726,670	4,057,172	676,195	3,380,977	1,279,046	\$ 6,462,581	\$	6,462,581		
W/O Enhancement	2056	3,366,894	3,380,977	676,195	2,704,781	1,158,476	\$ 5,343,191	\$	5,343,191		
W Enhancement	2056	3,366,894	3,380,977	676,195	2,704,781	1,158,476	\$ 5,343,191	\$	5,343,191		
W/O Enhancement	2057	3,007,119	2,704,781	676,195	2,028,586	1,037,906	\$ 4,765,891	\$	4,765,891		
W Enhancement	2057	3,007,119	2,704,781	676,195	2,028,586	1,037,906	\$ 4,765,891	\$	4,765,891		
W/O Enhancement	2058	2,647,343	2,028,586	676,195	1,352,391	917,335	\$ 4,199,300	\$	4,199,300		
W Enhancement	2058	2,647,343	2,028,586	676,195	1,352,391	917,335	\$ 4,199,300	\$	4,199,300		
W/O Enhancement	2059	2,287,568	1,352,391	676,195	676,195	796,765	\$ 3,632,709	\$	3,632,709		
W Enhancement	2059	2,287,568	1,352,391	676,195	676,195	796,765	\$ 3,632,709	\$	3,632,709		
W/O Enhancement	2060	1,513,302	676,195	676,195	0	676,195	\$ 2,552,266	\$	2,552,266		
W Enhancement	2060	1,513,302	676,195	676,195	0	676,195	\$ 2,552,266	\$	2,552,266		
W/O Enhancement	2061										
W Enhancement	2061										
....										

NOTES:

To accommodate varying in-service dates for different)

Lives shown above are illustrative only

The Dedicated Facility Project revenue req. The revenue requirement associated with it This same revenue requirement is in turn cr In this way BGE's wholesale transmission c

In the event the facilities associated with

The Dedicated Facility Project- Abandonme asset as it pertains to the directly assigned l line 152 of Attachment H-2A ("the Gross Re H-2A ("Revenue Credits") such that abando Revenue Requirement"). In this way BGE's related to the directly assigned facility charg

Revenue requirements associated with abal accordance with existing PJM cost assignm

W Enhancement	2031						
W/O Enhancement	2032						
W Enhancement	2032						
W/O Enhancement	2033						
W Enhancement	2033						
W/O Enhancement	2034						
W Enhancement	2034						
W/O Enhancement	2035						
W Enhancement	2035						
W/O Enhancement	2036						
W Enhancement	2036						
W/O Enhancement	2037						
W Enhancement	2037						
W/O Enhancement	2038						
W Enhancement	2038						
W/O Enhancement	2039						
W Enhancement	2039						
W/O Enhancement	2040						
W Enhancement	2040						
W/O Enhancement	2041						
W Enhancement	2041						
W/O Enhancement	2042						
W Enhancement	2042						
W/O Enhancement	2043						
W Enhancement	2043						
W/O Enhancement	2044						
W Enhancement	2044						
W/O Enhancement	2045						
W Enhancement	2045						
W/O Enhancement	2046						
W Enhancement	2046						
W/O Enhancement	2047						
W Enhancement	2047						
W/O Enhancement	2048						
W Enhancement	2048						
W/O Enhancement	2049						
W Enhancement	2049						
W/O Enhancement	2050						
W Enhancement	2050						
W/O Enhancement	2051						
W Enhancement	2051						
W/O Enhancement	2052						
W Enhancement	2052						
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W Enhancement	2058						
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W Enhancement	2059						
W/O Enhancement	2060						
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W/O Enhancement	2061						
W Enhancement	2061						
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NOTES:
To accommodate varying in-service dates for different

Lives shown above are illustrative only
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W Enhancement	2031			
W/O Enhancement	2032			
W Enhancement	2032			
W/O Enhancement	2033			
W Enhancement	2033			
W/O Enhancement	2034			
W Enhancement	2034			
W/O Enhancement	2035			
W Enhancement	2035			
W/O Enhancement	2036			
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W/O Enhancement	2040			
W Enhancement	2040			
W/O Enhancement	2041			
W Enhancement	2041			
W/O Enhancement	2042			
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W/O Enhancement	2043			
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W/O Enhancement	2045			
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W/O Enhancement	2046			
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NOTES:
To accommodate varying in-service dates for different

Lives shown above are illustrative only
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ATTACHMENT H-8G

PPL Electric Utilities Corporation

Formula Rate -- Appendix A

Notes

FERC Form 1 Page # or Instruction

2016 Data

Shaded cells are input cells

Allocators

Wages & Salary Allocation Factor			
1	Transmission Wages Expense		7,239,824
2	Total Wages Expense	p354.21.b	75,948,162
3	Less A&G Wages Expense	p354.27.b	3,349,237
4	Total Wages Less A&G Wages Expense	(Line 2 - Line 3)	72,598,925
5	Wages & Salary Allocator	(Line 1 / Line 4)	9.9724%
Plant Allocation Factors			
6	Electric Plant in Service	p207.104.g	9,976,005,248
7	Accumulated Depreciation (Total Electric Plant)	(Note J) p219.29.c	2,589,958,677
8	Accumulated Amortization	(Note A) p200.21.c	77,718,419
9	Total Accumulated Depreciation	(Line 7 + 8)	2,667,677,096
10	Net Plant	(Line 6 - Line 9)	7,308,328,152
11	Transmission Gross Plant (excluding Land Held for Future Use)	(Line 25 - Line 24)	4,212,488,417
12	Gross Plant Allocator	(Line 11 / Line 6)	42.2262%
13	Transmission Net Plant (excluding Land Held for Future Use)	(Line 33 - Line 24)	3,637,624,179
14	Net Plant Allocator	(Line 13 / Line 10)	49.7737%

Plant Calculations

Plant In Service			
15	Transmission Plant In Service	(Note B) p207.58.g	3,813,019,209
16	For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year	For Reconciliation Only Attachment 6	
17	New Transmission Plant Additions for Current Calendar Year (weighted by months in service)	(Note B) Attachment 6	306,201,694
18	Total Transmission Plant	(Line 15 - Line 16 + Line 17)	4,119,220,903
19	General	p207.99.g	746,235,209
20	Intangible	p205.5.g	189,025,270
21	Total General and Intangible Plant	(Line 19 + Line 20)	935,260,479
22	Wage & Salary Allocator	(Line 5)	9.9724%
23	Total General and Intangible Functionalized to Transmission	(Line 21 * Line 22)	93,267,514
24	Land Held for Future Use	(Note C) (Note P) Attachment 5	27,205,869
25	Total Plant In Rate Base	(Line 18 + Line 23 + Line 24)	4,239,694,286
Accumulated Depreciation			
26	Transmission Accumulated Depreciation	(Note J) p219.25.c	543,776,633
27	Accumulated General Depreciation	(Note J) p219.28.c	234,019,362
28	Accumulated Amortization	(Line 8)	77,718,419
29	Total Accumulated Depreciation	(Line 27 + 28)	311,737,781
30	Wage & Salary Allocator	(Line 5)	9.9724%
31	Subtotal General and Intangible Accum. Depreciation Allocated to Transmission	(Line 29 * Line 30)	31,087,605
32	Total Accumulated Depreciation	(Sum Lines 26 + 31)	574,864,238
33	Total Net Property, Plant & Equipment	(Line 25 - Line 32)	3,664,830,048

Adjustment To Rate Base

Accumulated Deferred Income Taxes			
34	ADIT net of FASB 106 and 109	Attachment 1	-585,180,019
CWIP for Incentive Transmission Projects			
35	CWIP Balances for Current Rate Year	(Note H) Attachment 6	0
Prepayments			
36	Prepayments	(Note A) (Note O) Attachment 5	679,776
Materials and Supplies			
37	Undistributed Stores Expense	(Note A) p227.16.c	2,465,448
38	Wage & Salary Allocator	(Line 5)	9.9724%
39	Total Undistributed Stores Expense Allocated to Transmission	(Line 37 * Line 38)	245,863
40	Transmission Materials & Supplies	p227.8.c	7,420,173
41	Total Materials & Supplies Allocated to Transmission	(Line 39 + Line 40)	7,666,036
Cash Working Capital			
42	Operation & Maintenance Expense	(Line 70)	62,509,195
43	1/8th Rule	1/8	12.5%
44	Total Cash Working Capital Allocated to Transmission	(Line 42 * Line 43)	7,813,649
45	Total Adjustment to Rate Base	(Lines 34 + 35 + 36 + 41 + 44)	-569,020,557
46	Rate Base	(Line 33 + Line 45)	3,095,809,492

Operations & Maintenance Expense

Transmission O&M			
47	Transmission O&M	Attachment 5	146,816,181
48	Less Account 565	Attachment 5	104,254,618
49	Plus Charges billed to Transmission Owner and booked to Account 565	(Note N) Attachment 5	0
50	Transmission O&M	(Lines 47 - 48 + 49)	42,561,563
Allocated Administrative & General Expenses			
51	Total A&G	323.197b	201,743,799
52	Less: Administrative & General Expenses on Securitization Bonds	(Note O) Attachment 8	0
53	Plus: Fixed PBOP expense	(Note J) Attachment 5	1,518,585
54	Less: Actual PBOP expense	Attachment 5	924,092
55	Less Property Insurance Account 924	p323.185.b	1,082,581
56	Less Regulatory Commission Exp Account 928	(Note E) p323.189.b	6,629,787
57	Less General Advertising Exp Account 930.1	p323.191.b	0
58	Less EPRI Dues	(Note D) p352 & 353	0
59	Administrative & General Expenses	Sum (Lines 51 + 53) - Line 52 - Sum (Lines 54 to 58)	194,625,924
60	Wage & Salary Allocator	(Line 5)	9.9724%
61	Administrative & General Expenses Allocated to Transmission	(Line 59 * Line 60)	19,408,792
Directly Assigned A&G			
62	Regulatory Commission Exp Account 928	(Note G) Attachment 5	0
63	General Advertising Exp Account 930.1	(Note K) Attachment 5	0
64	Subtotal - Accounts 928 and 930.1 - Transmission Related	(Line 62 + Line 63)	0
65	Property Insurance Account 924	(Note G) Attachment 5	1,082,581
66	General Advertising Exp Account 930.1	(Note F) Attachment 5	0
67	Total Accounts 924 and 930.1 - General	(Line 65 + Line 66)	1,082,581
68	Net Plant Allocator	(Line 14)	49.7737%
69	A&G Directly Assigned to Transmission	(Line 67 * Line 68)	538,840
70	Total Transmission O&M	(Lines 50 + 61 + 64 + 69)	62,509,195

Depreciation & Amortization Expense

Depreciation Expense				
71	Transmission Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Attachment 5	65,005,169
72	General Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Attachment 5	29,955,461
73	Intangible Amortization	(Note A)	p336.1.d&e	30,764,421
74	Total		(Line 72 + Line 73)	60,719,882
75	Wage & Salary Allocator		(Line 5)	9.9724%
76	General Depreciation & Intangible Amortization Allocated to Transmission		(Line 74 * Line 75)	6,055,203
77	Total Transmission Depreciation & Amortization		(Lines 71 + 76)	71,060,372

Taxes Other than Income Taxes

78	Taxes Other than Income Taxes		Attachment 2	3,178,093
79	Total Taxes Other than Income Taxes		(Line 78)	3,178,093

Return \ Capitalization Calculations

Long Term Interest				
80	Long Term Interest		p117.62.c through 66.c	133,447,875
81	Less LTD Interest on Securitization Bonds	(Note O)	Attachment 8	0
82	Long Term Interest		(Line 80 - Line 81)	133,447,875
83	Preferred Dividends	enter positive	p118.29.c	-
Common Stock				
84	Proprietary Capital		p112.16.c	3,390,338,911
85	Less Accumulated Other Comprehensive Income Account 219		p112.15.c	0
86	Less Preferred Stock		(Line 94)	0
87	Less Account 216.1		p112.12.c	34,102
88	Common Stock		(Line 84 - 85 - 86 - 87)	3,390,304,809
Capitalization				
89	Long Term Debt		p112.18.c, 19.c & 21.c	2,863,750,000
90	Less Loss on Reacquired Debt		p111.81.c	36,497,344
91	Plus Gain on Reacquired Debt		p113.61.c	0
92	Less LTD on Securitization Bonds	(Note O)	Attachment 8	0
93	Total Long Term Debt		(Line 89 - 90 + 91 - 92)	2,827,252,656
94	Preferred Stock		p112.3.c	0
95	Common Stock		(Line 88)	3,390,304,809
96	Total Capitalization		(Sum Lines 93 to 95)	6,217,557,465
97	Debt %	Total Long Term Debt	(Line 93 / Line 96)	45.5%
98	Preferred %	Preferred Stock	(Line 94 / Line 96)	0.0%
99	Common %	Common Stock	(Line 95 / Line 96)	54.5%
100	Debt Cost	Total Long Term Debt	(Line 82 / Line 93)	0.0472
101	Preferred Cost	Preferred Stock	(Line 83 / Line 94)	0.0000
102	Common Cost	Common Stock	(Note J) Fixed	0.1168
103	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 97 * Line 100)	0.0215
104	Weighted Cost of Preferred	Preferred Stock	(Line 98 * Line 101)	0.0000
105	Weighted Cost of Common	Common Stock	(Line 99 * Line 102)	0.0637
106	Rate of Return on Rate Base (ROR)		(Sum Lines 103 to 105)	0.0852
107	Investment Return = Rate Base * Rate of Return		(Line 46 * Line 106)	263,613,386

Composite Income Taxes

Income Tax Rates			
108	FIT=Federal Income Tax Rate	(Note I)	35.00%
109	SIT=State Income Tax Rate or Composite		9.99%
110	p	(percent of federal income tax deductible for state purposes)	0.00%
111	T	$T=1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p) =$	41.49%
112	T / (1-T)		70.92%
ITC Adjustment			
113	Amortized Investment Tax Credit - Transmission Related	Attachment 5	-20,101
114	ITC Adjust. Allocated to Trans. - Grossed Up	ITC Adjustment x 1 / (1-T) Line 113 * (1 / (1 - Line 111))	-34,357
115	Income Tax Component =	(T/1-T) * Investment Return * (1-(WCLTD/ROR)) = [Line 112 * Line 107 * (1- (Line 103 / Line 106))]	139,833,735
116	Total Income Taxes	(Line 114 + Line 115)	139,799,378

Revenue Requirement

Summary			
117	Net Property, Plant & Equipment	(Line 33)	3,664,830,048
118	Total Adjustment to Rate Base	(Line 45)	-569,020,557
119	Rate Base	(Line 46)	3,095,809,492
120	Total Transmission O&M	(Line 70)	62,509,195
121	Total Transmission Depreciation & Amortization	(Line 77)	71,060,372
122	Taxes Other than Income	(Line 79)	3,178,093
123	Investment Return	(Line 107)	263,613,386
124	Income Taxes	(Line 116)	139,799,378
125	Gross Revenue Requirement	(Sum Lines 120 to 124)	540,160,424
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
126	Transmission Plant In Service	(Line 15)	3,813,019,209
127	Excluded Transmission Facilities	(Note M) Attachment 5	0
128	Included Transmission Facilities	(Line 126 - Line 127)	3,813,019,209
129	Inclusion Ratio	(Line 128 / Line 126)	100.00%
130	Gross Revenue Requirement	(Line 125)	540,160,424
131	Adjusted Gross Revenue Requirement	(Line 129 * Line 130)	540,160,424
Revenue Credits			
132	Revenue Credits	Attachment 3	111,356,807
133	Net Revenue Requirement	(Line 131 - Line 132)	428,803,617
Net Plant Carrying Charge			
134	Gross Revenue Requirement	(Line 130)	540,160,424
135	Net Transmission Plant	(Line 18 - Line 26 + Line 35)	3,575,444,270
136	Net Plant Carrying Charge	(Line 134 / Line 135)	15.1075%
137	Net Plant Carrying Charge without Depreciation	(Line 134 - Line 71) / Line 135	13.2894%
138	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	(Line 134 - Line 71 - Line 107 - Line 116) / Line 135	2.0065%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
139	Gross Revenue Requirement Less Return and Taxes	(Line 130 - Line 123 - Line 124)	136,747,660
140	Increased Return and Taxes	Attachment 4	432,265,636
141	Net Revenue Requirement per 100 Basis Point increase in ROE	(Line 139 + Line 140)	569,013,296
142	Net Transmission Plant	(Line 18 - Line 26 + Line 35)	3,575,444,270
143	Net Plant Carrying Charge per 100 Basis Point increase in ROE	(Line 141 / Line 142)	15.9145%
144	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	(Line 141 - Line 71) / Line 142	14.0964%
145	Net Revenue Requirement	(Line 133)	428,803,617
146	True-up amount	Attachment 6	(2,582,842)
147	Facility Credits under Section 30.9 of the PJM OATT	Attachment 5	-
148	Net Zonal Revenue Requirement	(Line 145 + 146 + 147)	426,220,776
Network Zonal Service Rate			
149	1 CP Peak	(Note L) PJM Data	7,024.7
150	Rate (\$/MW-Year)	(Line 148 / 149)	\$ 60,675
151	Network Service Rate (\$/MW/Year)	(Line 150)	\$ 60,675

Notes

- A Electric portion only.
- B Line 16, for the Reconciliation, includes New Transmission Plant that actually was placed in service weighted by the number of months it actually was in service.
Line 17 includes New Transmission Plant to be placed in service in the current calendar year.
- C Includes Transmission portion only.
- D Includes all EPRI Annual Membership Dues.
- E Includes all Regulatory Commission Expenses.
- F Includes Safety-related advertising included in Account 930.1.
- G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at page 351.h.
Property Insurance excludes prior period adjustment in the first year of the formula's operation and reconciliation for the first year.
- H CWIP can be included only if authorized by the Commission.
- I The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p =$ the percentage of federal income tax deductible for state income taxes.
The calculation of the Reconciliation revenue requirement according to Step 7 of Attachment 6 ("Estimate and Reconciliation Worksheet") shall reflect the actual tax rates in effect for the Rate Year being reconciled ("Test Year"). When statutory marginal tax rates change during such Test Year, the effective tax rate used in the formula shall be weighted by the number of days each such rate was in effect. For example, a 35% rate in effect for 120 days superseded by a 40% rate in effect for the remainder of the year will be calculated as: $((.3500 \times 120) + (.4000 \times 245))/365 = .3836$.
- J ROE will be as follows: (i.) 11.60% for the period November 1, 2008 through May 31, 2009; (ii.) 11.64% for the period June 1, 2009 through May 31, 2010; (iii.) 11.68% on June 1, 2010 through May 31, 2011 and thereafter. No change in ROE will be made absent a filing at FERC.
PBOP expense is fixed until changed as the result of a filing at FERC.
Depreciation rates shown in Attachment 9 are fixed until changed as the result of a filing at FERC.
Upon request, PPL Electric Utilities Corporation will provide workpapers at the annual update to reconcile formula depreciation expense and depreciation accruals to Form No. 1 amounts.
As set forth in Attachment 5, added to the depreciation expense will be actual removal costs (net of salvage) amortized over five years.
- K Education and outreach expenses related to transmission (e.g., siting or billing).
- L As provided for in Section 34.1 of the PJM OATT, the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
- M Amount of transmission plant excluded from rates per Attachment 5.
- N Includes only charges incurred for system integration, such as those under the EHV Agreement, and transmission costs paid to others that benefit transmission customers.
- O Amounts associated with transition bonds issued to securitize the recovery of retail stranded costs are removed from account balances, pursuant to an Order entered by the Pennsylvania Public Utility Commission on May 21, 1999 at Docket No. R-00994637, in accordance with Pennsylvania's Electric Generation Customer Choice and Competition Act.
- P Any gain from the sale of land included in Land Held for Future Use in the Formula Rate received during the Rate Year shall be used to reduce the ATRR in the Rate Year. The Formula Rate shall not include any losses on sales of such land.

PPL Electric Utilities Corporation

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

	Transmission Related	Plant Related	Labor Related	Total Transmission ADIT	
ADIT- 282	(681,333,647)	0	(68,090,283)		From Acct. 282 total, below
ADIT-283	0	(15,144,026)	(377,014)		From Acct. 283 total, below
ADIT-190	105,314,627	0	52,189,712		From Acct. 190 total, below
Subtotal	(576,019,020)	(15,144,026)	(16,277,585)		Sum lines 1 through 3
Wages & Salary Allocator			9.9724%		
Net Plant Allocator		49.7737%			
ADIT	(576,019,020)	(7,537,740)	(1,623,259)	(585,180,019)	Sum Cols. D, E, F; Enter as negative Appendix A, line 42.
	row 4	row 5 * row 4	row 5 * row 4		

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed, dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B	C	D	E	F	G
ADIT-190	Total	Gas, Prod, Dist Or Other Related	Transmission Related	Plant Related	Labor Related	Justification
Account 190						
Accumulated Deferred Investment Tax Credits (Non-Transmission)	22,183	22,183				Basis difference between book plant and tax plant basis related to investment tax credits on distribution property
Accumulated Deferred Investment Tax Credits (Transmission)	113,909		113,909			Basis difference between book plant and tax plant basis related to investment tax credits on transmission property
Regulatory Liability - Income Taxes Related to ITC (Non-Tx)	15,736	15,736				Liability recorded for regulatory purposes related to accumulated deferred investment tax credit book/tax basis difference on distribution property
Regulatory Liability - Income Taxes Related to ITC (Tx)	80,782		80,782			Liability recorded for regulatory purposes related to accumulated deferred investment tax credit book/tax basis difference on transmission property
Contributions in Aid of Construction (Non-Tx)	90,802,798	90,802,798				Distribution related income that is taxable for tax return purposes, but recorded as a reduction to plant for book purposes.
Contributions in Aid of Construction (Tx-related)	21,589,131		21,589,131			Transmission related income that is taxable for tax return purposes, but recorded as a reduction to plant for book purposes.
Pensions and Post-Retirement	14,600,026	14,600,026				Expense and equity(FAS158) adjustments for book purposes not deductible for tax purposes
FAS158 Regulatory Liability	227,780,920	227,780,920				Liability recorded for regulatory purposes for FAS 158 pension and post-retirement costs
Bad Debts	12,429,729	12,429,729				Retail related book expense not deductible for tax return purposes
Service Company Labor Related Costs	48,704,279				48,704,279	Book expense not deductible for tax return purposes - labor related to all functions
Service Company Other Related Costs	(27,810,875)	(27,810,875)				Book expense not deductible for tax return purposes
Vacation Pay	3,078,489				3,078,489	Book expense not deductible for tax return purposes - labor related to all functions
Severance Pay	17,863				17,863	Book expense not deductible for tax return purposes - labor related to all functions
Deferred Compensation	389,081				389,081	Book expense not deductible for tax return purposes - labor related to all functions
Taxes Other Than Income Taxes	3,479,191	3,479,191				Book expense not deductible for tax return purposes - retail related gross receipts and sales & use taxes
State Income Tax Adjustment	(40)	(40)				Distribution related state income tax expense/(benefit) deferred for book purposes and not deductible / (taxable) for tax return purposes.
AMT Tax Carryforward	869,387	869,387				Tax credits carryforward to a future period.
RAR Adjustments	0	0				Distribution related IRS audit adjustments
Obsolete Inventory	187,098	187,098				Distribution related book expense not deductible for tax return purposes
Environmental Liability	4,149,681	4,149,681				Distribution related book expense for manufactured gas plants not deductible for tax return purposes
Post Employment Liabilities	2,787,960	2,787,960				Book expense not deductible for tax return purposes
State NOL Carryforwards	21,245,141	21,245,141				State net operating loss carryforward
Tax Credit Carryforward	143,044	143,044				Tax credits carryforward to a future period.
Conservation Program Regulatory Asset	7,300,198	7,300,198				Distribution related expense deferred for book purposes and deducted for tax purposes.
Universal Service Rider over/undercollection	5,653,958	5,653,958				Distribution related expense deferred for book purposes and deducted for tax purposes.
Generation Service Charge over/undercollection	9,433,188	9,433,188				Distribution related expense deferred for book purposes and deducted for tax purposes.
Transmission Formula Rate over/undercollection	6,203,169		6,203,169			Transmission related expense deferred for book purposes and deducted for tax purposes.
Distribution System Improvement Charge over/undercollection	491,627	491,627				Distribution related expense deferred for book purposes and deducted for tax purposes.
Competitive Enhancement Rider over/undercollections	58,169	58,169				Distribution related expense deferred for book purposes and deducted for tax purposes.
Storm Damage over/undercollection	5,216,120	5,216,120				Distribution related expense deferred for book purposes and deducted for tax purposes.
Book Contingencies	734,849	734,849				Distribution related book expense not deductible for tax return purposes.
Charitable Contributions	2,586,397	2,586,397				Distribution related tax deduction carryforward to a future period.
Federal NOL Carryforward	143,675,119	66,152,792	77,522,327			Federal net operating loss carryforward
Subtotal - p234	606,028,307	448,329,277	105,509,318	0	52,189,712	
Less FASB 109 Above if not separately removed	232,610	37,919	194,691			
Less FASB 106 Above if not separately removed	13,321,017	13,321,017				
Total	592,474,680	434,970,341	105,314,627	0	52,189,712	

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F

5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

PPL Electric Utilities Corporation

Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	Page 263 Col (i)	Allocator	Allocated Amount
Plant Related			
Net Plant Allocator			
1 Real Property (State, Municipal or Local)	3,008,305		
2 PURTA	1,996,190		
3			
4			
5			
6			
7			
8 Total Plant Related	<u>5,004,495</u>	49.7737%	2,490,922
Labor Related			
Wages & Salary Allocator			
9 Federal FICA	5,210,615		
10 Federal Unemployment	31,631		
11 State Unemployment	265,416		
12			
13			
14 Total Labor Related	<u>5,507,662</u>	9.9724%	<u>549,244</u>
Other Included			
Net Plant Allocator			
15 PA Capital Stock Tax	276,754		
16 Tax on Insurance Premiums	0		
17 Local Business License Tax	355		
18			
19 Total Other Included	<u>277,109</u>	49.7737%	<u>137,927</u>
20 Total Included (Lines 8 + 14 + 19)	10,789,266		3,178,093
Currently Excluded			
21 Gross Receipts	99,261,744		
22 Sales and Use	387,692		
23			
24			
25			
26			
27			
28 Subtotal, Excluded	<u>99,649,436</u>		
29 Total, Included and Excluded (Line 20 + Line 28)	110,438,702		
30 Total Other Taxes from p114.14.c less Tax on Securitization Bonds	<u>110,438,702</u>		
31 Difference (Line 29 - Line 30)	-		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant, including transmission plant, will be allocated based on the Net Plant Allocator. If the taxes are 100% recovered at retail, they shall not be included.
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail, they shall not be included.
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
- D Other taxes, except as provided for in A, B and C above, which are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service, will be allocated based on the Net Plant Allocator; provided, however, that overheads shall be treated, as described in footnote B above.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

PPL Electric Utilities Corporation

Attachment 3 - Revenue Credit Worksheet

Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related	2,101,978
Account 456 - Other Electric Revenues (Note 1)		
2	Transmission for Others (Note 3)	-
3	Schedule 12 Revenues (Note 3)	100,602,869
4	Schedule 1A	2,668,815
5	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (Note 3)	-
6	Point-to-Point Service revenues for which the load is not included in the divisor received by Transmission Owner (e.g. Schedule 8)	2,380,547
7	Professional Services provided to others	3,132,655
8	Facilities Charges including Interconnection Agreements (Note 2)	469,943
9	Gross Revenue Credits	(Sum Lines 1-10) <u>111,356,807</u>
10	Amount offset from Note 3 below	-
11	<p>Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula, will be included as a revenue credit or included in the peak on line 150 of Appendix A.</p>	
12	<p>Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.</p>	
13	<p>Note 3: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support, e.g., revenues associated with distribution facilities. In addition, Revenues from Schedule 12 are not included in the total above to the extent they are credited directly by PJM to zonal customers.</p>	

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE 100 Basis Point increase in ROE and Income Taxes	Line 29 + Line 39 from below	432,265,636
B	100 Basis Point increase in ROE		1.00%

Return Calculation

		Appendix A Line or Source Reference	
1	Rate Base	(Attachment A Line 46)	3,095,809,492
Long Term Interest			
2	Long Term Interest	(Attachment A Line 80)	133,447,875
3	Less LTD Interest on Securitization Bonds	Attachment 8	-
4	Long Term Interest	(Line 2 - Line 3)	133,447,875
5	Preferred Dividends	enter positive	0
Common Stock			
6	Proprietary Capital	p112.16.c	3,390,338,911
7	Less Accumulated Other Comprehensive Income Account 219	p112.15.c	0
8	Less Preferred Stock	(Attachment A Line 86)	0
9	Less Account 216.1	p112.12.c	34,102
10	Common Stock	(Line 6 - 7 - 8 - 9)	3,390,304,809
Capitalization			
11	Long Term Debt	p112.18.c, 19.c & 21.c	2,863,750,000
12	Less Loss on Reacquired Debt	p111.81.c	36,497,344
13	Plus Gain on Reacquired Debt	p113.61.c	0
14	Less LTD on Securitization Bonds	Attachment 8	0
15	Total Long Term Debt	(Line 11 - 12 + 13 - 14)	2,827,252,656
16	Preferred Stock	p112.3.c	0
17	Common Stock	(Line 10)	3,390,304,809
18	Total Capitalization	(Sum Lines 15 to 17)	6,217,557,465
19	Debt %	Total Long Term Debt	(Line 15 / Line 18) 45.5%
20	Preferred %	Preferred Stock	(Line 16 / Line 18) 0.0%
21	Common %	Common Stock	(Line 17 / Line 18) 54.5%
22	Debt Cost	Total Long Term Debt	(Line 4 / Line 15) 0.0472
23	Preferred Cost	Preferred Stock	(Line 5 / Line 16) 0.0000
24	Common Cost	Common Stock	Fixed 0.1268
25	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 19 * Line 22) 0.0215
26	Weighted Cost of Preferred	Preferred Stock	(Line 20 * Line 23) 0.0000
27	Weighted Cost of Common	Common Stock	(Line 21 * Line 24) 0.0691
28	Rate of Return on Rate Base (ROR)	(Sum Lines 25 to 27)	0.0906
29	Investment Return = Rate Base * Rate of Return	(Line 1 * Line 28)	280,494,191

Composite Income Taxes

Income Tax Rates			
30	FIT=Federal Income Tax Rate		35.00%
31	SIT=State Income Tax Rate or Composite		9.99%
32	p = percent of federal income tax deductible for state purposes	Per State Tax Code	0.00%
33	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	41.49%
34	CIT = T / (1-T)		70.92%
35	1 / (1-T)		170.92%
ITC Adjustment			
36	Amortized Investment Tax Credit	Attachment 5	(20,101)
37	ITC Adjust. Allocated to Trans. - Grossed Up	(Line 36 * (1 / (1 - Line 33))	-34,357
38	Income Tax Component =	$CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =$	151,805,802
39	Total Income Taxes		151,771,445

Attachment 5 - Cost Support

ITC Adjustment

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Form No. 1 Amount	Transmission Related	Non-transmission Related	Details
113	Amortized Investment Tax Credit	Company Records	-109,739	-20,101	-89,638	Enter Negative

Transmission / Non-transmission Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Form No. 1 Amount	Transmission Related Major Items	Transmission Related Minor Items	Non-transmission Related	Details
24	Land Held for Future Use	(Note C) p.214.d - p214.6.d & Company Records (Note P) Company Records	30,108,705	23,621,128 0 0 23,621,128	3,584,741 0 0 3,584,741	2,902,836	Removal of land held for future use (if any) that is included in CWIP balance Gains from the sale of Land Held for Future Use Balance for Appendix A

Adjustments to A & G Expense

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Total	Prior Period Adjustment	Adjusted Total	Details
Allocated Administrative & General Expenses						
53	Fixed PBOP expense	FERC Authorized	1,518,585			
54	Actual PBOP expense	Company Records	924,092			Current year actual PBOP expense
65	Property Insurance Account 924	p323.185.b	1,082,581	0	1,082,581	Annual Premium associated with storm insurance excluding recoveries related to prior periods. (See FM 1 note to page 320 line 185)

Regulatory Expense Related to Transmission Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Form No. 1 Amount	Transmission Related	Non-transmission Related	Details
Directly Assigned A&G						
62	Regulatory Commission Exp Account 928	(Note G) p350-151h	6,629,787	0	6,629,787	

Safety Related Advertising Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Form No. 1 Amount	Safety Related	Non-safety Related	Details
Directly Assigned A&G						
66	General Advertising Exp Account 930.1	(Note F) p323.191.b	-	-	-	

MultiState Workpaper

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			State 1	State 2	State 3	State 4	State 5	Details
Income Tax Rates								
109	SIT=State Income Tax Rate or Composite	(Note I)	PA 9.99%					

Education and Out Reach Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Form No. 1 Amount	Education & Outreach	Other	Details
Directly Assigned A&G						
63	General Advertising Exp Account 930.1	(Note K) p323.191.b	-	-	-	

Attachment 5 - Cost Support

Excluded Plant Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions		Excluded Transmission Facilities	Description of the Facilities
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
127	Excluded Transmission Facilities (Note M)		General Description of the Facilities
Instructions:		Enter \$	
1 Remove all investment below 69 kV or generator step-up transformers included in transmission plant in service that are not a result of the RTEP process		0	None
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher, as well as below 69 kV, the following formula will be used:		Or	
Example		Enter \$	
A Total investment in substation	1,000,000		
B Identifiable investment in Transmission (provide workpaper)	500,000		
C Identifiable investment in Distribution (provide workpapers)	400,000		
D Amount to be excluded (A x (C / (B + C)))	444,444		
Add more lines if necessary			

Prepayments and Prepaid Pension Asset

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions		Form No. 1 Amount	Prepayments on Securitization Bonds Adjustment	POLR and Retail Related Adjustment	Prepayments	W&S Allocator	Functionalized to TX	Description of the Prepayments
36	Prepayments (Note A) (Note O) Form 1 -- p111.57.c	10,021,508	0	3,204,904	6,816,604	9.9724%	679,776	Less amounts related to POLR, Retail Issues and Bond Securitization.

Adjustments to Transmission O&M

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions		Total	Adjustments	Transmission Related	Details
47	Transmission O&M p.321.112.b	146,934,874	118,693	146,816,181	Adjustment for Ancillary Services p321.88b and p321.92b.
48	Less Account 565 p.321.96.b	104,254,618	0	104,254,618	None

Facility Credits under Section 30.9 of the PJM OATT

Appendix A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Description & PJM Documentation
Net Revenue Requirement			
147	Facility Credits under Section 30.9 of the PJM OATT	-	None

PJM Load Cost Support

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions		1 CP Peak	Description & PJM Documentation
Network Zonal Service Rate			
149	1 CP Peak (Note L) PJM Data	7,024.7	

Depreciation Expense

Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions		Total	Actual Cost of Removal, Net of Salvage Costs					Total	5 - Year Amortization
			Year 1 2011	Year 2 2012	Year 3 2013	Year 4 2014	Year 5 2015		
71	Transmission Depreciation Expense Including Amortization of Limited Term Plant (Note J) Company Records	57,601,464							
	Transmission Plant Cost of Removal, Net of Salvage (Note J) Company Records	7,403,705	3,323,131	7,726,933	1,560,069	16,131,452	8,276,939	37,018,524	7,403,705
	Total Transmission Depreciation Expense Including Amortization of Limited Term (Note J) Company Records	65,005,169							
72	General Depreciation Expense Including Amortization of Limited Term Plant (Note J) Company Records	30,472,647							
	General Plant Cost of Removal, Net of Salvage (Note J) Company Records	-517,186	-563,798	-952,715	-384,081	-686,454	1,119	-2,585,929	-517,186
	Total General Depreciation Expense Including Amortization of Limited Term Plant (Note J) Company Records	29,955,461							

PPL Electric Utilities Corporation
Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form No. 1 data for Year 1 (e.g., 2007)
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2008)
- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
- 4 May Year 2 Post results of Step 3 on PJM web site
- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2008 - May 31, 2009)
- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form No. 1 for Year 2 (e.g., 2008)
- 7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)
- 8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2009)
- 9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)
- 10 May Year 3 Post results of Step 9 on PJM web site
- 11 June Year 3 Results of Step 9 go into effect for the Rate Year 2 (e.g., June 1, 2009 - May 31, 2010)

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form No. 1 data for Year 1 (e.g., 2007)
\$ 327,418,848 Rev Req based on Year 1 data Must run Appendix A to get this number (without inputs in lines 16, 17 or 35 of Appendix A)

- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2008)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	Total	
	Monthly Additions Other Plant In Service	Monthly Additions Northeast Pocono Reliability Project CWIP	Monthly Additions Susq-Rose CWIP < 500kV (b0487.1)	Monthly Additions Susq-Rose PIS < 500kV (b0487.1)	Monthly Additions Susq-Rose CWIP ≥ 500kV (b0487)	Monthly Additions Susq-Rose PIS ≥ 500kV (b0487)	Weighting	Other Plant In Service Amount (A x G)	NPR CWIP Amount (B x G)	Susq-Rose CWIP Amount (C x G) < 500kV (b0487.1)	Susq-Rose PIS Amount (D x G) < 500kV (b0487.1)	Susq-Rose CWIP Amount (E x G) ≥ 500kV (b0487)	Susq-Rose PIS Amount (F x G) ≥ 500kV (b0487)	Other Plant In Service (H / I)	NPR CWIP (I / I)	Susq-Rose CWIP (J / I)	Susq-Rose PIS (K / I)	Susq-Rose CWIP (L / I)	Susq-Rose PIS (M / I)		
CWIP Balance Dec (prior yr.)		44,971,138	(274,179)		1,417,772		12		539,653,656	(3,290,148)		17,013,264			44,971,138	(274,179)		1,417,772			
Jan	3,973,996	5,141,475	-	-	-	26,359	11.5	45,700,954	59,126,963	-	-	-	303,128.50	3,808,413	4,927,247	-	-	-	-	25,261	
Feb	13,439,157	2,387,945	-	-	-	28,553	10.5	141,111,149	25,073,423	-	-	-	299,807	11,759,262	2,089,452	-	-	-	-	24,984	
Mar	25,788,566	163,800	-	-	-	26,585	9.5	244,991,380	1,556,100	-	-	-	252,558	20,415,948	129,675	-	-	-	-	21,046	
Apr	42,423,410	1,721,100	-	-	-	25,882	8.5	360,598,985	14,629,350	-	-	-	219,997	30,049,915	1,219,113	-	-	-	-	18,333	
May	56,172,583	-54,385,458	-	-	-	26,259	7.5	421,294,373	(407,890,935)	-	-	-	196,943	35,107,864	(33,990,911)	-	-	-	-	16,412	
Jun	41,692,637	0	-	-	-	54,165	6.5	271,002,141	-	-	-	-	352,073	22,583,512	-	-	-	-	-	29,339	
Jul	19,774,919	0	-	-	-	48,948	5.5	108,762,055	-	-	-	-	269,214	9,063,505	-	-	-	-	-	22,435	
Aug	57,920,013	0	-	-	-	26,688	4.5	260,640,059	-	-	-	-	120,096	21,720,005	-	-	-	-	-	10,008	
Sep	26,146,008	0	-	-	-	27,478	3.5	91,511,028	-	-	-	-	96,173	7,625,919	-	-	-	-	-	8,014	
Oct	51,244,448	0	-	-	-	25,235	2.5	128,111,120	-	-	-	-	63,088	10,675,927	-	-	-	-	-	5,257	
Nov	55,302,227	0	-	-	-	28,071	1.5	82,953,341	-	-	-	-	42,107	6,912,778	-	-	-	-	-	3,509	
Dec	101,004,573	0	-	-	-	729,305	0.5	50,502,287	-	-	-	-	364,653	4,208,524	-	-	-	-	-	30,388	
Total	494,882,537	-	(274,179)	-	1,417,772	1,073,528		2,207,178,869	232,148,556	(3,290,148)	-	17,013,264	2,579,834	183,931,572	19,345,713	(274,179)	-	1,417,772	214,986	-	
New Transmission Plant Additions and CWIP (weighted by months in service)														183,931,572					214,986	184,146,559	
														Input to Line 17 of Appendix A						214,986	184,146,559
														Input to Line 35 of Appendix A	19,345,713	(274,179)		1,417,772		20,489,306	
														Month In Service or Month for CWIP	7.54	-	-	-	9.60		

- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
\$ 353,534,209 Must run Appendix A to get this number (with inputs on lines 17 and 35 of Attachment A)

- 4 May Year 2 Post results of Step 3 on PJM web site
\$ 353,534,209 Must run Appendix A to get this number (with inputs on lines 17 and 35 of Attachment A)

- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2008 - May 31, 2009)
\$ 353,534,209

6 April Year 3 TO populates the formula with Year 2 data from FERC Form No. 1 for Year 2 (e.g., 2008)
\$ 388,714,596 Rev Req based on Prior Year data

Must run Appendix A to get this number (without inputs in lines 16, 17 or 35 of Appendix A)

7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)

Remove all Cap Adds placed in service in Year 2
For Reconciliation only - remove actual New Transmission Plant Additions for Year 2

\$ 518,077,041 Input to Formula Line 16

Add weighted Cap Adds actually placed in service in Year 2

	(A) Monthly Additions Other Plant In Service	(B.) Monthly Additions Northeast Pocono Reliability Project CWIP	(C) Monthly Additions Susq-Rose CWIP < 500kV (b0487.1)	(D) Monthly Additions Susq-Rose PIS < 500kV (b0487.1)	(E) Monthly Additions Susq-Rose CWIP ≥ 500kV (b0487)	(F) Monthly Additions Susq-Rose PIS ≥ 500kV (b0487)	(G) Weighting	(H) Other Plant In Service Amount (A x G)	(I) NPR CWIP Amount (B x G)	(J) Susq-Rose CWIP Amount (C x G) < 500kV (b0487.1)	(K) Susq-Rose PIS Amount (D x G) < 500kV (b0487.1)	(L) Susq-Rose CWIP Amount (E x G) ≥ 500kV (b0487)	(M) Susq-Rose PIS Amount (F x G) ≥ 500kV (b0487)	(N) Other Plant In Service (H/12)	(O) NPR CWIP (I / 12)	(P) Susq-Rose CWIP (J / 12) < 500kV (b0487.1)	(Q) Susq-Rose PIS (K / 12) < 500kV (b0487.1)	(R) Susq-Rose CWIP (L / 12) ≥ 500kV (b0487)	(S) Susq-Rose PIS (M / 12) ≥ 500kV (b0487)	Total	
CWIP Balance Dec (prior yr.)		44,971,138	(274,179)		1,417,772		12		539,653,656	(3,290,148.00)		17,013,264			44,971,138	(274,179)		1,417,772			
Jan	4,930,503	16,899,479	274,179	(13,831)	(1,417,772)	(2,660,148)	11.5	56,700,785	194,344,009	3,153,059	(159,057)	(16,304,378)	(30,591,702)	4,725,065	16,195,334	262,755	(13,255)	(1,358,698)	(2,549,309)		
Feb	13,406,525	2,476,073	0	-	-	297,769	10.5	140,768,513	25,998,767	-	-	-	3,126,575	11,730,709	2,166,564	-	-	-	-	260,548	
Mar	25,653,245	152,873	0	-	-	16,111	9.5	243,705,828	1,452,294	-	-	-	153,054.50	20,308,819	121,024	-	-	-	-	12,755	
Apr	84,522,403	-52,937,544	0	-	-	3,004,950	8.5	718,440,426	(449,969,124)	-	-	-	25,542,075	59,870,035	(37,497,427)	-	-	-	-	2,128,506	
May	35,798,372	1,958,308	0	-	-	51,986	7.5	268,487,790	14,687,310	-	-	-	389,895	22,373,983	1,223,943	-	-	-	-	32,491	
Jun	23,327,216	-1,373,347	0	-	-	111,458	6.5	151,626,904	(8,926,756)	-	-	-	724,477	12,635,575	(743,896)	-	-	-	-	60,373	
Jul	68,083,098	-5,354,987	0	-	-	58,904	5.5	374,457,039	(29,452,429)	-	-	-	323,972	31,204,753	(2,454,369)	-	-	-	-	26,998	
Aug	53,301,438	-402,505	0	-	-	(30,331)	4.5	239,856,471	(1,811,273)	-	-	-	(136,490)	19,988,039	(150,939)	-	-	-	-	(11,374)	
Sep	28,436,606	-90,782	0	-	-	32,436	3.5	99,528,121	(317,737)	-	-	-	113,526	8,294,010	(26,478)	-	-	-	-	9,461	
Oct	64,500,298	-3,642,389	0	-	-	(15,588)	2.5	161,250,745	(9,105,973)	-	-	-	(38,970)	13,437,562	(758,831)	-	-	-	-	(3,248)	
Nov	52,261,566	-84,844	0	-	-	24,317	1.5	78,392,349	(127,266)	-	-	-	36,476	6,532,696	(10,606)	-	-	-	-	3,040	
Dec	62,957,996	-2,571,473	0	-	-	19,742	0.5	31,478,998	(1,285,737)	-	-	-	9,871	2,623,250	(107,145)	-	-	-	-	823	
Total	517,179,266	-	-	(13,831)	-	911,606		2,564,693,967	275,139,742	(137,090)	(159,057)	708,886	(347,241)	213,724,497	22,928,312	(11,424)	(13,255)	59,074	(28,937)		
New Transmission Plant Additions and CWIP (weighted by months in service)														213,724,497	22,928,312	(11,424)	(13,255)	59,074	(28,937)	213,682,306	
														Input to Line 17 of Appendix A							
														Input to Line 35 of Appendix A							
														Month In Service or Month for CWIP	7.04	-	0.50	-	-	12.38	22,975,962

\$ 351,856,385 Result of Formula for Reconciliation
(Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)

Must run Appendix A to get this number (with inputs in lines 16, 17 and 35 of Appendix A)

8 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

The Reconciliation in Step 8		The forecast in Prior Year		=		(2,488,383) added interest from Allegheny of \$810,559	
351,856,385	-	353,534,209					
Interest on Amount of Refunds or Surcharges							
Interest rate pursuant to 35.19a for March of the Current Yr		0.3000%					
Month	Yr	1/12 of Step 8 (See Note #1)	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed	
Jun	Year 1	(207,365)	0.3000%	11.5	(7,154)	(214,519)	
Jul	Year 1	(207,365)	0.3000%	10.5	(6,532)	(213,897)	
Aug	Year 1	(207,365)	0.3000%	9.5	(5,910)	(213,275)	
Sep	Year 1	(207,365)	0.3000%	8.5	(5,288)	(212,653)	
Oct	Year 1	(207,365)	0.3000%	7.5	(4,666)	(212,031)	
Nov	Year 1	(207,365)	0.3000%	6.5	(4,044)	(211,409)	
Dec	Year 1	(207,365)	0.3000%	5.5	(3,422)	(210,787)	
Jan	Year 2	(207,365)	0.3000%	4.5	(2,799)	(210,165)	
Feb	Year 2	(207,365)	0.3000%	3.5	(2,177)	(209,543)	
Mar	Year 2	(207,365)	0.3000%	2.5	(1,555)	(208,920)	
Apr	Year 2	(207,365)	0.3000%	1.5	(933)	(208,298)	
May	Year 2	(207,365)	0.3000%	0.5	(311)	(207,676)	
Total		(2,488,383)				(2,533,174)	
		Balance	Interest rate from above	Amortization over Rate Year	Balance		
Jun	Year 2	(2,533,174)	0.3000%	(215,237)	(2,325,536)		
Jul	Year 2	(2,325,536)	0.3000%	(215,237)	(2,117,276)		
Aug	Year 2	(2,117,276)	0.3000%	(215,237)	(1,908,391)		
Sep	Year 2	(1,908,391)	0.3000%	(215,237)	(1,698,880)		
Oct	Year 2	(1,698,880)	0.3000%	(215,237)	(1,488,739)		
Nov	Year 2	(1,488,739)	0.3000%	(215,237)	(1,277,969)		
Dec	Year 2	(1,277,969)	0.3000%	(215,237)	(1,066,566)		
Jan	Year 3	(1,066,566)	0.3000%	(215,237)	(854,529)		
Feb	Year 3	(854,529)	0.3000%	(215,237)	(641,856)		
Mar	Year 3	(641,856)	0.3000%	(215,237)	(428,544)		
Apr	Year 3	(428,544)	0.3000%	(215,237)	(214,593)		
May	Year 3	(214,593)	0.3000%	(215,237)	0		
Total with interest					(2,582,842)		
The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest					(2,582,842)		
Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 9)				\$	-		
Revenue Requirement for Year 3					(2,582,842)		

Note #1: For the initial rate year, enter zero for the first five months, June Year 1 through October Year 1. Enter 1/12 of Step 8 for the months Nov Year 1 through May Year 2.

Attachment 7 - Transmission Enhancement Charge

1	New Plant Carrying Charge					
2	Fixed Charge Rate (FCR) if not a CIAC					
3	A	Formula Line	Net Plant Carrying Charge without Depreciation		13.2894%	
4	B	137	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		14.0864%	
5	C	144	Line B less Line A		0.8070%	
6	FCR if a CIAC					
7	D	138	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		2.0065%	

The FCR resulting from Formula in a given year is used for that year only.
Therefore actual revenues collected in a year do not change based on cost data for subsequent years

Details		Susquehanna - Roseland CWP (b0487) -- 500kV				Actual Susquehanna - Roseland PIS (b0487) -- 500kV				Projected Susquehanna - Roseland PIS (b0487) -- 500kV				Hosensack Wavetrap (b0171.2)				Alburtis Wavetrap (b0172.1)				Juniata Wavetrap (b0284.2)			
CIAC	(Yes or No)	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
11	Useful life of the project	42.00		42.00		42.00		42.00		42.00		42.00		42.00		42.00		42.00		42.00		42.00			
13	CIAC	No		No		No		No		No		No		No		No		No		No		No			
14	Increased ROE (Basis Points)	125		125		125		125		125		125		125		125		125		125		125			
15	11.68% ROE	13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%		13.2894%			
16	FCR for This Project	14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%		14.2981%			
17	Investment	0		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594		618,969,594			
18	Annual Depreciation Exp	-		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371		14,737,371			
19	Month in Service or Month for CWIP	-		-		-		-		-		-		-		-		-		-		-			
20	Invest Yr																								
21	W 11.68 % ROE	2008	5,534,456	-	5,534,456	433,646	-	-	-	-	-	-	-	86,626	1,454	85,172	12,921	62,067	991	61,076	8,811	-	-		
22	W Increased ROE	2008	5,534,456	-	5,534,456	453,742	-	-	-	-	-	-	-	86,626	1,454	85,172	12,921	62,067	991	61,076	8,811	-	-		
23	W 11.68 % ROE	2009	25,703,638	-	25,703,638	3,744,759	-	-	-	-	-	-	-	85,172	2,063	83,109	19,836	61,076	1,478	59,598	14,223	123,504	2,941		
24	W Increased ROE	2009	25,703,638	-	25,703,638	3,928,397	-	-	-	-	-	-	-	85,172	2,063	83,109	19,836	61,076	1,478	59,598	14,223	123,504	2,941		
25	W 11.68 % ROE	2010	32,334,326	-	32,334,326	7,002,386	1,707,870	17,350	1,690,519	173,557	-	-	-	83,109	2,063	81,047	19,614	59,598	1,478	58,121	14,064	120,563	2,941		
26	W Increased ROE	2010	32,334,326	-	32,334,326	7,346,302	1,707,870	17,350	1,690,519	181,229	-	-	-	83,109	2,063	81,047	19,614	59,598	1,478	58,121	14,064	120,563	2,941		
27	W 11.68 % ROE	2011	41,267,823	-	41,267,823	8,153,565	1,690,519	40,664	1,649,856	366,637	-	-	-	81,047	2,063	78,984	17,668	58,121	1,478	56,643	12,669	117,623	2,941		
28	W Increased ROE	2011	41,267,823	-	41,267,823	8,573,934	1,690,519	40,664	1,649,856	383,443	-	-	-	81,047	2,063	78,984	17,668	58,121	1,478	56,643	12,669	117,623	2,941		
29	W 11.68 % ROE	2012	49,100,120	-	49,100,120	10,122,908	6,771,105	164,250	6,606,855	1,526,377	-	-	-	78,984	2,063	76,922	17,921	56,643	1,478	55,165	12,851	114,682	2,941		
30	W Increased ROE	2012	49,100,120	-	49,100,120	10,644,117	6,771,105	164,250	6,606,855	1,596,510	-	-	-	78,984	2,063	76,922	17,921	56,643	1,478	55,165	12,851	114,682	2,941		
31	W 11.68 % ROE	2013	188,668,692	-	188,668,692	32,050,437	24,904,453	602,825	24,301,628	4,731,108	-	-	-	76,922	2,063	74,859	14,779	55,165	1,478	53,687	10,598	111,742	2,941		
32	W Increased ROE	2013	188,668,692	-	188,668,692	33,942,591	24,904,453	602,825	24,301,628	4,974,829	-	-	-	76,922	2,063	74,859	14,779	55,165	1,478	53,687	10,598	111,742	2,941		
33	W 11.68 % ROE	2014	387,890,524	-	387,890,524	57,604,085	49,338,189	1,205,851	48,132,338	8,353,794	-	-	-	74,859	2,063	72,797	12,873	53,687	1,478	52,209	9,231	108,801	2,941		
34	W Increased ROE	2014	387,890,524	-	387,890,524	61,557,021	49,338,189	1,205,851	48,132,338	8,844,304	-	-	-	74,859	2,063	72,797	12,873	53,687	1,478	52,209	9,231	108,801	2,941		
35	W 11.68 % ROE	2015	148,924,599	-	148,924,599	20,708,388	225,656,515	5,474,192	220,182,322	36,091,169	-	-	-	72,797	2,063	70,734	11,898	52,209	1,478	50,732	8,532	105,861	2,941		
36	W Increased ROE	2015	148,924,599	-	148,924,599	22,160,463	225,656,515	5,474,192	220,182,322	38,238,035	-	-	-	72,797	2,063	70,734	11,898	52,209	1,478	50,732	8,532	105,861	2,941		
37	W 11.68 % ROE	2016	59,074	-	59,074	7,880	602,372,114	14,715,666	587,656,448	93,103,589	-	-	-	70,734	2,063	68,672	11,223	50,732	1,478	49,254	8,048	102,920	2,941		
38	W Increased ROE	2016	59,074	-	59,074	7,880	602,372,114	14,715,666	587,656,448	98,853,722	-	-	-	70,734	2,063	68,672	11,223	50,732	1,478	49,254	8,048	102,920	2,941		
39	W 11.68 % ROE	2017	-	-	-	-	588,566,934	14,737,371	573,829,562	90,995,904	-	-	-	68,672	2,063	66,609	10,914	49,254	1,478	47,776	7,827	99,979	2,941		
40	W Increased ROE	2017	-	-	-	-	588,566,934	14,737,371	573,829,562	96,784,216	-	-	-	68,672	2,063	66,609	10,914	49,254	1,478	47,776	7,827	99,979	2,941		
41	W 11.68 % ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
42	W Increased ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
43	W 11.68 % ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
44	W Increased ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
45	W 11.68 % ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
46	W Increased ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
47	W 11.68 % ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
48	W Increased ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
49	W 11.68 % ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50	W Increased ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
51	W 11.68 % ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
52	W Increased ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
53	W 11.68 % ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
54	W Increased ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
55	W 11.68 % ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
56	W Increased ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
57	W 11.68 % ROE	2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
58	W Increased ROE	2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
59	W 11.68 % ROE	2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
60	W Increased ROE	2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
61																									
62																									

On the formulas used in the Columns for lines 22+ are as follows
For Plant in service: (first year means first year the project is placed in service)
"Beginning" is the investment on line 17 for the first year and is the "Ending" for the prior year after the first year
"Depreciation" is the annual depreciation in line 18 divided by twelve times the difference of thirteen minus line 19 in the first year and line 18 thereafter if "no" on line 13. "Depreciation" is "0" (zero) if "Yes" on line 13
"Ending" is "Beginning" less "Depreciation"
Revenue is "Ending" times line 16 for the current year times the quotient line 19 divided by 13 plus "Depreciation" for the first year and "Ending" times line 16 plus "Depreciation" thereafter

For CWIP:
Beginning is the line 17 for that year
Depreciation is not used
Ending is the same as Beginning
Revenue is Ending times line 16 for the current year

Worksheet

New Plant Carrying Charge

Fixed Charge Rate (FCR) if not a CIAC

A	137
B	144
C	

FCR if a CIAC

D	138
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The FCR resulting from Formula in a :
Therefore actual revenues collected in

Details		Susquehanna - Roseland CWP (00487.1) - 500kV				Actual Susquehanna - Roseland PIS (00487.1) - 500kV				Projected Susquehanna - Roseland PIS (00487.1) - 500kV				Slanton 4th Transformer (00791)				Actual Copperstone Substation (00468)						
Schedule 12 Life	(Yes or No)	Yes 42.00				Yes 42.00				Yes 42.00				Yes 42.00				Yes 42.00						
CIAC	(Yes or No)	No 125				No 125				No 125				No 0				No 0						
Increased ROE (Basis Points)		13.2894%				13.2894%				13.2894%				13.2894%				13.2894%						
FCR for This Project		14.2981%				14.2981%				14.2981%				13.2894%				13.2894%						
Investment						14,971,615								3,733,895				22,735,783						
Annual Depreciation Exp						356,467								88,902				541,328						
Month in Service or Month for CWP																								
Invest Yr		Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
W 11.68 % ROE	2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 455,377	\$	\$ 455,377
W Increased ROE	2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 475,473	\$	\$ 475,473
W 11.68 % ROE	2009	395,068	-	395,068	43,820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 3,851,361	\$	\$ 3,851,361
W Increased ROE	2009	395,068	-	395,068	45,969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ 4,037,148	\$	\$ 4,037,148
W 11.68 % ROE	2010	983,014	-	983,014	212,883	2,138,193	15,476	2,122,717	155,221	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,606,140	\$	\$ 7,606,140
W Increased ROE	2010	983,014	-	983,014	223,339	2,138,193	15,476	2,122,717	162,084	-	-	-	-	-	-	-	-	-	-	-	-	\$ 7,975,046	\$	\$ 7,975,046
W 11.68 % ROE	2011	338,809	-	338,809	66,941	2,122,717	50,909	2,071,807	460,250	-	-	-	-	3,733,895	25,673	3,708,222	237,250	918,555	11,846	906,709	108,883	\$ 9,449,462	\$	\$ 9,449,462
W Increased ROE	2011	338,809	-	338,809	70,392	2,122,717	50,909	2,071,807	481,355	-	-	-	-	3,733,895	25,673	3,708,222	237,250	918,555	11,846	906,709	108,883	\$ 9,911,193	\$	\$ 9,911,193
W 11.68 % ROE	2012	362,626	-	362,626	74,762	2,547,287	62,474	2,484,814	574,764	-	-	-	-	3,708,222	88,902	3,619,320	835,093	906,709	21,870	884,838	204,296	\$ 13,394,951	\$	\$ 13,394,951
W Increased ROE	2012	362,626	-	362,626	78,611	2,547,287	62,474	2,484,814	601,141	-	-	-	-	3,708,222	88,902	3,619,320	835,093	906,709	21,870	884,838	204,296	\$ 14,016,520	\$	\$ 14,016,520
W 11.68 % ROE	2013	1,447,083	-	1,447,083	245,826	2,703,748	67,702	2,636,046	515,505	-	-	-	-	3,619,320	88,902	3,530,418	688,638	22,244,731	539,606	21,705,126	4,226,803	\$ 42,505,119	\$	\$ 42,505,119
W Increased ROE	2013	1,447,083	-	1,447,083	260,339	2,703,748	67,702	2,636,046	541,942	-	-	-	-	3,619,320	88,902	3,530,418	688,638	22,244,731	539,606	21,705,126	4,226,803	\$ 44,681,943	\$	\$ 44,681,943
W 11.68 % ROE	2014	4,346,118	-	4,346,118	645,425	3,018,143	77,022	2,941,121	513,796	-	-	-	-	3,530,418	88,902	3,441,515	599,988	21,776,090	541,328	21,234,762	3,694,818	\$ 71,452,672	\$	\$ 71,452,672
W Increased ROE	2014	4,346,118	-	4,346,118	689,715	3,018,143	77,022	2,941,121	543,769	-	-	-	-	3,530,418	88,902	3,441,515	599,988	21,776,090	541,328	21,234,762	3,694,818	\$ 75,970,381	\$	\$ 75,970,381
W 11.68 % ROE	2015	1,232,451	-	1,232,451	171,376	8,694,885	214,806	8,480,079	1,393,985	-	-	-	-	3,441,515	88,902	3,352,613	555,093	21,234,762	541,328	20,693,433	3,418,809	\$ 62,376,501	\$	\$ 62,376,501
W Increased ROE	2015	1,232,451	-	1,232,451	183,393	8,694,885	214,806	8,480,079	1,476,670	-	-	-	-	3,441,515	88,902	3,352,613	555,093	21,234,762	541,328	20,693,433	3,418,809	\$ 66,070,144	\$	\$ 66,070,144
W 11.68 % ROE	2016	(11,424)	-	(11,424)	(1,524)	14,328,346	356,796	13,971,549	2,220,471	-	-	-	-	3,352,613	88,902	3,263,711	524,251	20,693,433	541,328	20,152,105	3,229,432	\$ 99,119,647	\$	\$ 99,119,647
W Increased ROE	2016	(11,424)	-	(11,424)	(1,524)	14,328,346	356,796	13,971,549	2,220,471	-	-	-	-	3,352,613	88,902	3,263,711	524,251	20,693,433	541,328	20,152,105	3,229,432	\$ 104,869,781	\$	\$ 104,869,781
W 11.68 % ROE	2017	-	-	-	-	13,958,061	356,467	13,601,594	2,164,038	-	-	-	-	3,263,711	88,902	3,174,809	510,815	20,152,105	541,328	19,610,777	3,147,484	\$ 96,852,819	\$	\$ 96,852,819
W Increased ROE	2017	-	-	-	-	13,958,061	356,467	13,601,594	2,301,239	-	-	-	-	3,263,711	88,902	3,174,809	510,815	20,152,105	541,328	19,610,777	3,147,484	\$ 102,778,332	\$	\$ 102,778,332
W 11.68 % ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W 11.68 % ROE	2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$
W Increased ROE	2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$	\$	\$

allows
is placed in service)
id is the "Ending" for the prior year after it
by twelve times the difference of thirteen
s the quotient line 19 divided by 13 plus 1

PPL Electric Utilities Corporation

Attachment 8 - Company Exhibit - Securitization Worksheet

Line #			
	Prepayments		
36	Less Prepayments on Securitization Bonds	0	(See FM 1, note to page 110, line 57)
	Administrative and General Expenses		
52	Less Administrative and General Expenses on Securitization Bonds	0	(See FM 1, note to page 114, line 4)
	Taxes Other Than Income		
78	Less Taxes Other Than Income on Securitization Bonds	0	(See FM 1, note to page 114, line 14)
	Long Term Interest		
81	Less LTD Interest on Securitization Bonds	0	(See FM 1, note to page 114, lines 62 + 63)
	Capitalization		
92	Less LTD on Securitization Bonds	0	(See FM 1, note to page 112, line 18)

Calculation of the above Securitization Adjustments

The amounts above are associated with transition bonds issued to securitize the recovery of retail stranded costs, pursuant to an Order entered by the Pennsylvania Public Utility Commission on May 21, 1999 at Docket No. R-00994637, in accordance with Pennsylvania's Electric Generation Customer Choice and Competition Act.

PPL Electric Utilities Corporation

Attachment 9 - Depreciation Rates

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Number	Plant Type	Estimated Life	Mortality Curve	Current Age	Remaining Life	Applied Depreciation Rate	Gross Depreciable Plant \$	Accumulated Depreciation \$	Depreciable Balance \$	Depreciation Expense \$
Transmission										
350.4	Land Rights	75	S4	14.6	60.40	1.6000	194,437,168	46,326,341	148,110,827	2,369,784
352	Structures and Improvements	60	R4	9.1	50.90	1.9023	87,340,756	19,308,225	68,032,531	1,294,182
353	Station Equipment	48	R1	6.3	41.70	2.2001	1,150,635,469	189,394,066	961,241,403	21,148,033
354	Towers and Fixtures	70	R3	7.2	62.80	1.4804	1,307,744,046	152,213,081	1,155,530,965	17,106,379
354.2	Towers and Fixtures - Clearing Land and Rights of Way	75	R4	21.7	53.30	2.2264	15,055,762	7,419,824	7,635,938	170,006
355	Poles and Fixtures	55	R0.5	12.2	42.80	2.2695	115,664,291	33,084,384	82,579,907	1,874,182
355.2	Poles and Fixtures - Clearing Land and Rights of Way	75	R4	16.2	58.80	1.7367	12,465,699	4,349,113	8,116,586	140,964
356	Overhead Conductors and Devices	60	R3	9.9	50.10	1.6177	818,226,789	87,064,618	731,162,171	11,828,273
357	Underground Conduit	55	S4	5.9	49.10	2.3225	32,345,036	4,124,914	28,220,122	655,412
358	Underground Conductors and Devices	35	S4	11.6	23.40	3.4784	36,993,344	10,840,904	26,152,440	909,675
359	Roads and Trails	75	R4	29.0	46.00	2.7858	7,059,177	3,305,333	3,753,844	104,575
General										
389.4	Land Rights	70	R4	43.5	26.50	3.3399	4,399	1,854	2,545	85
390.2	Structures and Improvements - Buildings	55	S0	41.0	14.00	2.8904	393,941,930	93,987,794	299,954,136	8,670,021
390.21	Structures and Improvements - Leaseholds	10	NA		4.20	32.0847	909,524	663,619	245,905	78,898
390.4	Structures and Improvements - Air Conditioning	30	S1	8.2	21.80	4.3671	49,762,484	14,235,098	35,527,386	1,551,508
391.1	Office Furniture and Equipment - RF Mesh Computer Equip.	5	NA		4.50	7.5482	10,058,038	706,065	9,351,973	705,909
391.2	Office Furniture and Equipment - Furniture	20	NA		10.10	4.9946	22,033,477	10,250,302	11,783,175	1,100,481
391.4	Office Furniture and Equipment - Equipment	15	NA		7.10	6.5279	3,039,174	1,472,146	1,567,028	198,395
391.6	Office Furniture and Equipment - Computers	5	NA		3.70	13.9101	65,793,432	11,466,066	54,327,366	9,151,949
392.1	Transportation Equipment - Automobiles	5	L4	0.5	4.50	46.6145	8,202,621	6,857,043	1,345,578	627,234
392.2	Transportation Equipment - Light Duty Trucks	8	R1	2.8	5.20	20.6520	22,290,257	14,675,271	7,614,986	1,572,647
392.3	Transportation Equipment - Heavy Duty Trucks	11	R4	4.5	6.50	8.4779	84,443,083	52,573,421	31,869,662	2,701,877
392.4	Transportation Equipment - Trailers	24	L1.5	6.5	17.50	5.8137	7,526,313	2,939,391	4,586,922	266,668
392.5	Transportation Equipment - Large Tankers/Tractors	16	L4	7.6	8.40	12.9623	3,021,716	1,400,683	1,621,033	210,123
392.6	Transportation Equipment - Large Crane Trucks	13	L3	9.0	4.00	26.8708	653,798	391,130	262,668	70,581
393	Stores Equipment	25	NA		8.70	4.5141	2,362,461	1,206,966	1,155,495	106,644
394	Tools and Work Equipment - L&S Line Crews	20	NA		7.30	5.5425	4,747,209	2,653,990	2,093,219	263,114
394.2	Tools and Work Equipment - Tools	20	NA		5.50	7.6522	253,914	158,165	95,749	19,430
394.4	Tools and Work Equipment - Construction Dept.	20	NA		7.60	5.0149	1,353,414	709,883	643,531	67,872
394.6	Tools and Work Equipment - Other	20	NA		13.80	4.8319	26,944,947	8,117,638	18,827,309	1,301,950
394.8	Tools and Work Equipment - Garage Equipment	20	NA		13.20	5.0817	1,953,612	603,565	1,350,047	99,277
395	Laboratory Equipment	20	NA		11.50	5.1667	4,527,623	1,928,273	2,599,350	233,930
396	Power Operated Equipment	13	S0	5.1	7.90	2.3968	2,238,834	1,462,704	776,130	53,660
397	Communication Equipment	15	NA		12.50	7.8777	16,698,202	5,254,728	11,443,474	1,315,428
398	Miscellaneous Equipment	20	NA		14.30	5.2995	3,457,703	808,785	2,648,918	183,242
Intangible										
303.2	Miscellaneous Intangible Plant - Software	5	NA		2.90	20.00	138,921,804	71,517,810	67,403,994	26,627,699
303.4	Miscellaneous Intangible Plant - Fiber Optic	5	NA		1.90	20.00	3,693,411	2,390,180	1,303,231	776,104
303.5	Smart Meter Software	5	NA		4.50	20.00	45,786,720	3,433,974	42,352,746	3,360,618

Notes:

- Columns (A), (B), (C), and (D) are fixed and cannot be changed absent Commission approval or acceptance.
- Column (E) is based on the Estimated Life in Column (C) less the Remaining Life in Column (F) for those accounts for which using a Mortality Curve is identified.
- Column (F) is the average remaining life of the assets in the account based on their vintage.
- Column (G) is the depreciation rate from the Mortality Curve specified based on data in Columns (C) and (D).
- Columns (H) and (I) are the depreciable gross plant investment and accumulated depreciation in the account or subaccount.
- Column (J) is the depreciable net plant in the account or subaccount.
- Column (K) is Column (G) multiplied by Column (J) for those accounts that have an identified Mortality Curve.
- Each year, PPL Electric will provide a copy of the annual report submitted to the PA PUC that shows the calculation of the depreciation rates and expenses derived from Columns (C) and (D).
- Every 5 years, PPL Electric will file with the Commission a depreciation study supporting its existing Estimated Life and Mortality Curve for each account or subaccount.
- Column (K) for Accounts Nos. 303.2, 303.5, and 303.6 are calculated using individual asset depreciation and, therefore, are not derived values.
- Column (K) for Account No. 392.3 is net of capitalized depreciation expense. See the applicable note in FERC Form No. 1.
- For those General Plant accounts that do not have Mortality Curves as indicated by "NA" in Column (D), additional detail is provided in Attachment 9 - Supplemental General Plant Depreciation Details.

PPL Electric Utilities Corporation

Attachment 9 - Supplemental
General Plant Depreciation Details

(A) Number	(B) Plant Type	(C) Estimated Life	(G) Applied Depreciation Rate	(H) Gross Depreciable Plant \$	(I) Accumulated Depreciation \$	(J) Depreciable Balance \$	(K) Depreciation Expense \$
General							
390.21	Structures and Improvements - Leaseholds - Net Method	10	32.0847	909,524	663,619	245,905	78,898
391.2	Office Furniture and Equipment - Furniture - Gross Method	20	4.9695	19,859,111	8,359,606	11,499,505	986,892
391.2	Office Furniture and Equipment - Furniture - Net Method	20	40.0427	2,174,366	1,890,696	283,670	113,589
				22,033,477	10,250,302	11,783,175	1,100,481
391.4	Office Furniture and Equipment - Equipment - Gross Method	15	6.5266	3,034,258	1,468,447	1,565,811	198,035
391.4	Office Furniture and Equipment - Equipment - Net Method	15	29.5809	4,916	3,699	1,217	360
				3,039,174	1,472,146	1,567,028	198,395
391.6	Office Furniture and Equipment - Computers - Gross Method	5	13.9101	65,793,432	11,466,066	54,327,366	9,151,949
393	Store Equipment - Gross Method	25	4.1355	1,464,824	637,845	826,979	60,578
393	Store Equipment - Net Method	25	14.0225	897,637	569,121	328,516	46,066
				2,362,461	1,206,966	1,155,495	106,644
394	Tools and Work Equipment - L&S Line Crews - Gross Method	20	5.0000	2,371,041	1,183,024	1,188,017	118,553
394	Tools and Work Equipment - L&S Line Crews - Net Method	20	15.9700	2,376,168	1,470,966	905,202	144,561
				4,747,209	2,653,990	2,093,219	263,114
394.2	Tools and Work Equipment - Tools - Gross Method	20	5.0003	133,692	55,312	78,380	6,685
394.2	Tools and Work Equipment - Tools - Net Method	20	73.3779	120,222	102,853	17,369	12,745
				253,914	158,165	95,749	19,430
394.4	Tools and Work Equipment - Construction Dept. - Gross Method	20	5.0000	1,345,463	703,728	641,735	67,273
394.4	Tools and Work Equipment - Construction Dept. - Net Method	20	33.3519	7,951	6,155	1,796	599
				1,353,414	709,883	643,531	67,872
394.6	Tools and Work Equipment - Other - Gross Method	20	4.7837	26,859,348	8,027,559	18,831,789	1,284,868
394.6	Tools and Work Equipment - Other - Net Method	20	(381.2946)	85,599	90,079	(4,480)	17,082
				26,944,947	8,117,638	18,827,309	1,301,950
394.8	Tools and Work Equipment - Garage Equipment - Gross Method	20	4.9478	1,778,535	478,620	1,299,915	87,998
394.8	Tools and Work Equipment - Garage Equipment - Net Method	20	22.4986	175,077	124,945	50,132	11,279
				1,953,612	603,565	1,350,047	99,277
395	Laboratory Equipment - Gross Method	20	4.9923	3,172,894	1,168,902	2,003,992	158,400
395	Laboratory Equipment - Net Method	20	12.6865	1,354,729	759,371	595,358	75,530
				4,527,623	1,928,273	2,599,350	233,930
397	Communication Equipment - Gross Method	15	7.7989	16,076,123	4,650,665	11,425,458	1,253,753
397	Communication Equipment - Net Method	15	342.3346	622,079	604,063	18,016	61,675
				16,698,202	5,254,728	11,443,474	1,315,428
398	Miscellaneous Equipment - Gross Method	20	4.8387	2,888,891	546,100	2,342,791	139,785
398	Miscellaneous Equipment - Net Method	20	13.8667	580,568	262,685	317,883	44,080
				3,469,459	808,785	2,660,674	183,865

Notes:

1 This schedule shows additional detail for those General Plant accounts that do not have a Mortality Curve. The calculation of Depreciation Expense by the Gross Plant Method (i.e., Column (G) multiplied by Column (H)) and the Net Plant Method (i.e., Column (G) multiplied by Column (J)) is shown separately for the assets in each account subject to each such method. Assets purchased new are depreciated using the Gross Plant Method. Assets purchased used are depreciated using the Net Plant Method (i.e., over their remaining economic life).



An Exelon Company

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May 12, 2017

Ms. Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E. Room 1A
Washington, DC 20426

Re: Atlantic City Electric Company ("Atlantic City"), Docket No. ER09-1156
Informational Filing of 2017 Formula Rate Annual Update;
Notice of Annual Update

Dear Ms. Bose,

Atlantic City hereby submits electronically, for informational purposes, its 2017 Annual Formula Rate Update. On November 3, 2015, the Commission approved an uncontested settlement agreement ("Settlement") filed in Docket Nos. EL13-48, *et al.*¹. Formula Rate implementation protocols contained in the Settlement provide that:

[o]n or before May 15 of each year, Atlantic [Atlantic City Electric Company] shall recalculate its Annual Transmission Revenue Requirements, producing an "Annual Update" for the upcoming Rate Year, and:

- (i) cause such Annual Update to be posted at a publicly accessible location on PJM's internet website;
- (ii) cause notice of such posting to be provided to PJM's membership; and
- (iii) file such Annual Update with the FERC as an informational filing.²

The same information contained in this informational filing has been transmitted to PJM for posting on its website as required by the Formula Rate implementation

¹ Baltimore Gas and Electric Company, *et al.*, 153 FERC ¶ 61,140 (2015).

² See Settlement, Exhibit A containing PJM Tariff Attachment H1-B, Section 2.b.

protocols. Thus, all interested parties should have ample notice of and access to the Annual Update. The protocols provide specific procedures for notice, review, exchanges of information and potential challenges to aspects of the Annual Update. Consequently, and as the Commission has concluded, there is no need for the Commission to notice this informational filing for comment.³

Atlantic City's 2017 Annual Update contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7).

Atlantic City has made no accounting changes as defined in the Settlement (and any accounting changes, including accounting policy harmonization changes related to the merger between Exelon and Pepco Holdings, Inc., are discussed in applicable disclosure statements filed within the Securities and Exchange Commission Form 10-K and within the FERC Form No. 1).⁴ Atlantic City has made no change to Other Post-Employment Benefits ("OPEB") charges that exceed the filing threshold set forth in the Settlement.⁵

Thank you for your attention to this informational filing. Please direct any questions to the undersigned.

Very truly yours,

/s/ Amy L. Blauman
Amy L. Blauman

Enclosures

cc: All parties on Service Lists in Docket Nos. ER05-515, EL13-48 and EL15-27.

³ See Letter Order Re: Annual Update to Formula Rate in Docket No. ER09-1156 (February 17, 2010).

⁴ See Settlement, Exhibit A containing PJM Tariff Attachment H-1B, Section 2.f.(iii)(d). Accounting entries related to the merger between Exelon and Pepco Holdings, Inc. were approved by FERC in Docket AC16-203 on March 17, 2017 and April 11, 2017.

⁵ See Settlement, Exhibit A containing PJM Tariff Attachment H-1B, Section 2.h.

ATTACHMENT H-1A

Atlantic City Electric Company

Formula Rate - Appendix A

Notes FERC Form 1 Page # or Instruction

2016

Shaded cells are input cells

Allocators

1	Wages & Salary Allocation Factor			
	Transmission Wages Expense		p354.21.b	\$ 2,935,059
2	Total Wages Expense		p354.28b	\$ 34,528,085
3	Less A&G Wages Expense		p354.27b	\$ 1,327,463
4	Total		(Line 2 - 3)	33,200,622
5	Wages & Salary Allocator		(Line 1 / 4)	8.8404%
Plant Allocation Factors				
6	Electric Plant In Service	(Note B)	p207.104g (see Attachment 5)	\$ 3,340,259,698
7	Common Plant In Service - Electric		(Line 24)	0
8	Total Plant In Service		(Sum Lines 6 & 7)	3,340,259,698
9	Accumulated Depreciation (Total Electric Plant)		p219.29c (see Attachment 5)	\$ 734,424,845
10	Accumulated Intangible Amortization		p200.21c	\$ 15,119,930
11	Accumulated Common Amortization - Electric	(Note A)	p356	\$ -
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	\$ -
13	Total Accumulated Depreciation		(Sum Lines 9 to 12)	749,544,775
14	Net Plant		(Line 8 - 13)	2,590,714,923
15	Transmission Gross Plant		(Line 29 - Line 28)	1,150,457,660
16	Gross Plant Allocator		(Line 15 / 8)	34.4422%
17	Transmission Net Plant		(Line 39 - Line 28)	910,994,675
18	Net Plant Allocator		(Line 17 / 14)	35.1638%

Plant Calculations

Plant In Service				
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 1,124,448,196
20	For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year	For Reconciliation Only	Attachment 6 - Enter Negative	\$ -
21	New Transmission Plant Additions for Current Calendar Year (weighted by months in service)		Attachment 6	14,359,330
22	Total Transmission Plant In Service		(Line 19 - 20 + 21)	1,138,807,526
23	General & Intangible		p205.5.g & p207.99.g (see Attachment 5)	\$ 131,783,286
24	Common Plant (Electric Only)	(Notes A & B)	p356	\$ -
25	Total General & Common		(Line 23 + 24)	131,783,286
26	Wage & Salary Allocation Factor		(Line 5)	8.84037%
27	General & Common Plant Allocated to Transmission		(Line 25 * 26)	11,650,135
28	Plant Held for Future Use (Including Land)	(Note C)	p214	782,029
29	TOTAL Plant In Service		(Line 22 + 27 + 28)	1,151,239,689
Accumulated Depreciation				
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	\$ 234,966,564
31	Accumulated General Depreciation		p219.28.c (see Attachment 5)	\$ 35,742,413
32	Accumulated Intangible Amortization		(Line 10)	15,119,930
33	Accumulated Common Amortization - Electric		(Line 11)	0
34	Common Plant Accumulated Depreciation (Electric Only)		(Line 12)	0
35	Total Accumulated Depreciation		(Sum Lines 31 to 34)	50,862,343
36	Wage & Salary Allocation Factor		(Line 5)	8.84037%
37	General & Common Allocated to Transmission		(Line 35 * 36)	4,496,421
38	TOTAL Accumulated Depreciation		(Line 30 + 37)	239,462,985
39	TOTAL Net Property, Plant & Equipment		(Line 29 - 38)	911,776,704

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109		Attachment 1	-293,036,751
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative	p266.h	0
42	Net Plant Allocation Factor		(Line 18)	35.16%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	-293,036,751
43a	Transmission Related CWIP (Current Year 12 Month weighted average balances)	(Note B)	p216.43.b as Shown on Attachment 6	0
Transmission O&M Reserves				
44	Total Balance Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	-2,251,848
Prepayments				
45	Prepayments	(Note A)	Attachment 5	7,568,786
46	Total Prepayments Allocated to Transmission		(Line 45)	7,568,786
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0
48	Wage & Salary Allocation Factor		(Line 5)	8.84%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	\$ 1,943,868
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	1,943,868
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 85)	25,079,904
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	3,134,988
Network Credits				
55	Outstanding Network Credits	(Note N)	From PJM	0
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0
57	Net Outstanding Credits		(Line 55 - 56)	0
58	TOTAL Adjustment to Rate Base		(Line 43 + 43a + 44 + 46 + 51 + 54 - 57)	-282,640,957
59	Rate Base		(Line 39 + 58)	629,135,747

O&M

60	Transmission O&M				
61	Transmission O&M		p321.112.b (see Attachment 5)	\$	18,775,954
62	Less extraordinary property loss		Attachment 5		0
63	Plus amortized extraordinary property loss		Attachment 5		0
64	Less Account 565		p321.96.b	\$	-
65	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note Q)	PJM Data	\$	-
66	Plus Transmission Lease Payments	(Note A)	p200.3c	\$	-
66	Transmission O&M		(Lines 60 - 63 + 64 + 65)		18,775,954
Allocated General & Common Expenses					
67	Common Plant O&M	(Note A)	p356	\$	-
68	Total A&G		p323.197.b (see Attachment 5)	\$	73,069,738
68a	For informational purposes: PBOB expense in FERC Account 926	(Note S)	Attachment 5	\$	1,000,545
69	Less Property Insurance Account 924		p323.185b	\$	468,644
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	\$	4,153,916
71	Less General Advertising Exp Account 930.1		p323.191b	\$	363,930
72	Less DE Enviro & Low Income and MD Universal Funds		p335.b	\$	-
73	Less EPRI Dues	(Note D)	p352-353	\$	138,757
74	General & Common Expenses		(Lines 67 + 68) - Sum (69 to 73)		67,944,491
75	Wage & Salary Allocation Factor		(Line 5)		8.8404%
76	General & Common Expenses Allocated to Transmission		(Line 74 * 75)		6,006,547
Directly Assigned A&G					
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b		132,610
78	General Advertising Exp Account 930.1	(Note F)	p323.191b		0
79	Subtotal - Transmission Related		(Line 77 + 78)		132,610
80	Property Insurance Account 924		p323.185b	\$	468,644
81	General Advertising Exp Account 930.1	(Note K)	p323.191b		0
82	Total		(Line 80 + 81)		468,644
83	Net Plant Allocation Factor		(Line 18)		35.16%
84	A&G Directly Assigned to Transmission		(Line 82 * 83)		164,793
85	Total Transmission O&M		(Line 66 + 76 + 79 + 84)		25,079,904

Depreciation & Amortization Expense

Depreciation Expense					
86	Transmission Depreciation Expense		p336.7b&c		26,123,416
87	General Depreciation		p336.10b&c		6,240,883
88	Intangible Amortization	(Note A)	p336.1d&e		139,483
89	Total		(Line 87 + 88)		6,380,366
90	Wage & Salary Allocation Factor		(Line 5)		8.8404%
91	General Depreciation Allocated to Transmission		(Line 89 * 90)		564,048
92	Common Depreciation - Electric Only	(Note A)	p336.11.b		0
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d		0
94	Total		(Line 92 + 93)		0
95	Wage & Salary Allocation Factor		(Line 5)		8.8404%
96	Common Depreciation - Electric Only Allocated to Transmission		(Line 94 * 95)		0
97	Total Transmission Depreciation & Amortization		(Line 86 + 91 + 96)		26,687,464

Taxes Other than Income

98	Taxes Other than Income		Attachment 2		1,148,903
99	Total Taxes Other than Income		(Line 98)		1,148,903

Return / Capitalization Calculations

Long Term Interest					
100	Long Term Interest		p117.62c through 67c		65,599,295
101	Less LTD Interest on Securitization Bonds	(Note P)	Attachment 8		8,290,626
102	Long Term Interest		*(Line 100 - line 101)*		57,308,669
103	Preferred Dividends	enter positive	p118.29c	\$	-
Common Stock					
104	Proprietary Capital		p112.16c	\$	1,033,261,076
105	Less Preferred Stock	enter negative	(Line 114)		0
106	Less Account 216.1	enter negative	p112.12c	\$	-
107	Common Stock		(Sum Lines 104 to 106)		1,033,261,076
Capitalization					
108	Long Term Debt		p112.17c through 21c	\$	1,103,448,302
109	Less Loss on Reacquired Debt	enter negative	p111.81.c	\$	(6,020,831)
110	Plus Gain on Reacquired Debt	enter positive	p113.61.c	\$	-
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1		2,459,510
112	Less LTD on Securitization Bonds	(Note P)	Attachment 8		-66,433,302
113	Total Long Term Debt		(Sum Lines Lines 108 to 112)		1,033,453,679
114	Preferred Stock		p112.3c	\$	-
115	Common Stock		(Line 107)		1,033,261,076
116	Total Capitalization		(Sum Lines 113 to 115)		2,066,714,755
117	Debt %	Total Long Term Debt	(Note Q)	(Line 113 / 116)	50%
118	Preferred %	Preferred Stock	(Note Q)	(Line 114 / 116)	0%
119	Common %	Common Stock	(Note Q)	(Line 115 / 116)	50%
120	Debt Cost	Total Long Term Debt		(Line 102 / 113)	0.0555
121	Preferred Cost	Preferred Stock		(Line 103 / 114)	0.0000
122	Common Cost	Common Stock	(Note J)	Fixed	0.1050
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)		(Line 117 * 120)	0.0277
124	Weighted Cost of Preferred	Preferred Stock		(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock		(Line 119 * 122)	0.0525
126	Total Return (R)			(Sum Lines 123 to 125)	0.0802
127	Investment Return = Rate Base * Rate of Return			(Line 59 * 126)	50,473,530

Composite Income Taxes

Income Tax Rates				
128	FIT=Federal Income Tax Rate			35.00%
129	SIT=State Income Tax Rate or Composite			9.00%
130	p	(percent of federal income tax deductible for state purposes)	(Note I)	0.00%
131	T	$T = 1 - \frac{((1 - SIT) * (1 - FIT))}{(1 - SIT * FIT * p)}$		40.85%
132	T / (1-T)			69.06%
ITC Adjustment				
133	Amortized Investment Tax Credit		(Note I)	
134	T/(1-T)	enter negative	p266.8f	\$ (378,101)
135	Net Plant Allocation Factor		(Line 132)	69.06%
136	ITC Adjustment Allocated to Transmission		(Line 18)	35.1638%
			(Line 133 * (1 + 134) * 135)	-224,776
137	Income Tax Component =	$CIT = (T/1-T) * Investment\ Return * (1 - (WCLTD/R)) =$	[Line 132 * 127 * (1 - (123 / 126))]	22,810,824
138	Total Income Taxes		(Line 136 + 137)	22,586,049

REVENUE REQUIREMENT

Summary				
139	Net Property, Plant & Equipment		(Line 39)	911,776,704
140	Adjustment to Rate Base		(Line 58)	-282,640,957
141	Rate Base		(Line 59)	629,135,747
142	O&M		(Line 85)	25,079,904
143	Depreciation & Amortization		(Line 97)	26,687,464
144	Taxes Other than Income		(Line 99)	1,148,903
145	Investment Return		(Line 127)	50,473,530
146	Income Taxes		(Line 138)	22,586,049
147	Gross Revenue Requirement		(Sum Lines 142 to 146)	125,975,850
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
148	Transmission Plant In Service		(Line 19)	1,124,448,196
149	Excluded Transmission Facilities		(Note M) Attachment 5	0
150	Included Transmission Facilities		(Line 148 - 149)	1,124,448,196
151	Inclusion Ratio		(Line 150 / 148)	100.00%
152	Gross Revenue Requirement		(Line 147)	125,975,850
153	Adjusted Gross Revenue Requirement		(Line 151 * 152)	125,975,850
Revenue Credits & Interest on Network Credits				
154	Revenue Credits		Attachment 3	2,509,943
155	Interest on Network Credits		(Note N) PJM Data	-
156	Net Revenue Requirement		(Line 153 - 154 + 155)	123,465,907
Net Plant Carrying Charge				
157	Net Revenue Requirement		(Line 156)	123,465,907
158	Net Transmission Plant		(Line 19 - 30)	889,481,632
159	Net Plant Carrying Charge		(Line 157 / 158)	13.8807%
160	Net Plant Carrying Charge without Depreciation		(Line 157 - 86) / 158	10.9437%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 157 - 86 - 127 - 138) / 158	2.7300%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE				
162	Net Revenue Requirement Less Return and Taxes		(Line 156 - 145 - 146)	50,406,328
163	Increased Return and Taxes		Attachment 4	78,377,717
164	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 162 + 163)	128,784,045
165	Net Transmission Plant		(Line 19 - 30)	889,481,632
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 164 / 165)	14.4786%
167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation		(Line 163 - 86) / 165	11.5416%
168	Net Revenue Requirement		(Line 156)	123,465,907
169	True-up amount		Attachment 6	12,398,602
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects		Attachment 7	372,518
171	Facility Credits under Section 30.9 of the PJM OATT and Facility Credits paid to Vineland per settlement in ER05-515 (Note R)		Attachment 5	-
172	Net Zonal Revenue Requirement		(Line 168 - 169 + 171)	136,237,027
Network Zonal Service Rate				
173	1 CP Peak		(Note L) PJM Data	2,673
174	Rate (\$/MW-Year)		(Line 172 / 173)	50,960
175	Network Service Rate (\$/MW/Year)		(Line 174)	50,960

Notes

- A Electric portion only
- B Exclude Construction Work In Progress and leases that are expensed as O&M (rather than amortized). New Transmission plant that is expected to be placed in service in the current calendar year weighted by number of months it is expected to be in-service. New Transmission plant expected to be placed in service in the current calendar year that is not included in the PJM Regional Transmission Plan (RTEP) must be separately detailed on Attachment 5. For the Reconciliation, new transmission plant that was actually placed in service weighted by the number of months it was actually in service CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Transmission Portion Only
- D All EPRI Annual Membership Dues
- E All Regulatory Commission Expenses
- F Safety related advertising included in Account 930.1
- G Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- I The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p =$ "the percentage of federal income tax deductible for state income taxes". If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to use amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by $(1/1-T)$. A utility must not include tax credits as a reduction to rate base and as an amortization against taxable income.

The ROE is 10.5% which includes a base ROE of 10.0% ROE per FERC order in Docket No. EL13-48 and a 50 basis point RTO membership adder as authorized by FERC; provided, that the projects identified in Docket Nos. ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- J 686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- K Education and outreach expenses relating to transmission, for example siting or billing
- L As provided for in Section 34.1 of the PJM OATT and the PJM established billing determinants will not be revised or updated in the annual rate reconciliations per settlement in ER05-515.
- M Amount of transmission plant excluded from rates per Attachment 5
- N Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments (net of accumulated depreciation) towards the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A. Interest on the Network Credits as booked each year is added to the revenue requirement to make the Transmission Owner whole on Line 155.
- O Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M. If they are booked to Acct 565, they are included in on line 64
- P Securitization bonds may be included in the capital structure per settlement in ER05-515.
- Q ACE capital structure is initially fixed at 50% common equity and 50% debt per settlement in ER05-515 subject to moratorium provisions in the settlement.**
- R Per the settlement in ER05-515, the facility credits of \$15,000 per month paid to Vineland will increase to \$37,500 per month (prorated for partial months) effective on the date FERC approves the settlement in ER05-515.**
- S See Attachment 5 - Cost Support, section entitled "PBOP Expense in FERC Account 926" for additional information per FERC orders in Docket Nos. EL13-48, EL15-27 and ER16-456.**

Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

	Only Transmission Related	Plant Related	Labor Related	Total ADIT
ADIT-282	-	(859,350,629)	-	-
ADIT-283	(2,677,716)	(18,810)	(39,070,805)	-
ADIT-190	1,702,752	19,543,357	7,312,797	-
Subtotal	(974,964)	(839,826,082)	(31,758,008)	-
Wages & Salary Allocator			8.8404%	
Gross Plant Allocator		34.4422%		
ADIT	(974,964)	(289,254,261)	(2,807,527)	(293,036,751)

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 111.
Amount (2,459,510)

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

ADIT-190	A	B Total	C Gas, Prod or Other Related	D Only Transmission Related	E Plant	F Labor	G Justifications
190 1999 AMT		364,878	-	-	364,878	-	Reflects the deferred tax asset related to New Jersey Alternative Minimum Assessment (AMA) credit. Related to both Transmission and Distribution.
190 Accrual Labor Related		7,207,952	-	-	-	7,207,952	Represents deferred income taxes on labor related book accruals that are only deductible for tax purposes as economic performance occurs. The deferred taxes are related to Company personnel across all functions. These deferred taxes are the result of a deduction taken for book purposes to set aside a reserve for Auto liability claims. For tax, no deduction is permitted until the "all events" test is met, typically when payment is made. The deferred taxes related to Company personnel across all functions.
190 Accrued Liab - Auto		105,853	-	-	-	105,853	Represents accrued book liabilities that can not be deducted for tax purposes until the "all events" test is met. Amounts in Gas, Production or Other Related represent deferred taxes on Unbilled Revenues which are retail related. Deferred taxes on Other Miscellaneous Accrued Liabilities relate to both Transmission and Distribution and are being allocated using both the Plant and Labor allocators.
190 Accrued Liab - Misc		10,155,988	8,846,865	-	1,310,131	(1,008)	Amounts in Gas, Production or Other Related represent deferred income taxes on Accrued Merger Commitments made as part of the 2016 merger with Exelon that have not been paid to date. These amounts are excluded from Rate Base. Other General Accrued Liabilities are related to both Transmission and Distribution and are being allocated using the Plant Allocator.
190 Accrued Liability - General		9,023,000	8,191,010	-	831,990	-	Pursuant to the requirements of FAS 109, ACE's accumulated deferred income taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances represent the deferred taxes on the Investment Tax Credit regulatory liability. Related to all plant. These amounts are removed below.
190 Accumulated Deferred Investment Tax Credit		1,658,779	-	-	1,658,779	-	Under the Tax Reform Act of 1986, taxpayers were required to account for bad debts using the specific write-off method. The reserve method is used for book purposes. The amount represents the deferred tax asset related to the add-back of book reserves for tax purposes. The deferred tax asset is retail related.
190 BAD DEBT RESERVE		13,075,318	13,075,318	-	-	-	ACE accrued Charitable Contribution Commitments made as part of the 2016 merger with Exelon that have not been paid to date. In addition, ACE has deducted Charitable Contributions for book purposes that could not be used in ACE's federal income tax return because of limitations caused by its tax net operating losses. Charitable Contributions are not included in Operating Income and any related deferred income taxes are excluded from Rate Base.
190 Charitable Contribution Limit		5,051,297	5,051,297	-	-	-	These deferred taxes are the result of a deduction taken for book purposes to set aside a reserve for environmental site clean-up expenses. For tax, no deduction is permitted until the "all events" test is met, typically when economic performance has occurred. This book reserve is primarily related to Deepwater and BL England sites which should not be in transmission service. It is Generation related.
190 ENVIRONMENTAL EXPENSE		276,963	276,963	-	-	-	FAS No. 106 requires accrual basis instead of cash basis accounting for post retirement health care and life insurance benefits for book purposes. Amounts paid to participants or funded through the VEBA or 401(h) accounts are currently deductible for tax purposes. Affects Company personnel across all functions.
190 OPEB		13,737,414	-	-	-	13,737,414	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. The deferred tax asset is 100% Transmission related.
190 Reg Asset - FERC Formula Rate Adj. Trans. Svc		1,702,752	-	1,702,752	-	-	Stranded Costs incurred when Generation was deregulated were deferred for book purposes pending collection from/refund to customers in the future. These amounts were included for tax purposes when incurred. The deferred tax asset is Generation related.
190 Stranded Costs		1,231,720	1,231,720	-	-	-	Represents the deferred tax asset related to federal net operating loss carryforwards (offset by the federal benefit of state NOL carryforwards) available to offset future federal taxable income. Related to both Transmission and Distribution.
190 Federal NOL		(2,644,331)	(2,547,383)	-	(96,948)	-	Represents the deferred tax asset related to state net operating loss carryforwards available to offset future state taxable income. Related to both Transmission and Distribution.
190 State NOL		24,411,544	7,278,238	-	17,133,306	-	Pursuant to the requirements of FAS 109, ACE's accumulated deferred income taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances represent the tax gross-up necessary for full recovery of the prior flow-through amounts. Related to all plant.
190 FAS 109 Deferred Taxes - 190		1,145,580	-	-	1,145,580	-	
190 Subtotal - p234		86,504,707	41,404,028	1,702,752	22,347,716	21,050,211	
Less FASB 109 Above if not separately removed		2,804,359	-	-	2,804,359	-	
190 Less FASB 106 Above if not separately removed		13,737,414	-	-	-	13,737,414	FAS No. 106 requires accrual basis instead of cash basis accounting for post retirement health care and life insurance benefits for book purposes. Amounts paid to participants or funded through the VEBA or 401(h) accounts are currently deductible for tax purposes. Affects company personnel across all functions.
190 Total		69,962,934	41,404,028	1,702,752	19,543,357	7,312,797	

Instructions for Account 190:
 1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C.
 2. ADIT items related only to Transmission are directly assigned to Column D.
 3. ADIT items related to Plant and not in Columns C & D are included in Column E.
 4. ADIT items related to labor and not in Columns C & D are included in Column F.
 5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.
 6. Re: Form 1-F filer. Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

ADIT-282	A	B Total	C Gas, Prod or Other Related	D Only Transmission Related	E Plant	F Labor	G Justifications
282 Plant Related - APB 11 Deferred Taxes		(859,350,629)	-	-	(859,350,629)	-	This deferred tax balance relates to our plant and results from life and method differences. Related to both T & D plant.
282 CIAC		52,779,814	52,779,814	-	-	-	Contributions in Aid of Construction (CIAC) are a reduction to Plant for book accounting purposes, but are included in taxable income and depreciated for income tax purposes. This different book/tax treatment results in deferred income taxes which must be recorded in accordance with SFAS 109. The Company collects an income tax gross-up from the customer which is reimbursement for the time value of money on the additional tax liability incurred until such time as the amounts are fully depreciated for tax purposes. The deferred income tax asset on CIAC's is excluded from Rate Base because the underlying plant is not included in Rate Base. The Company leases its vehicles under arrangements that are treated as operating leases for book purposes, but financing leases for tax purposes. The differing income tax treatment between Rent Expense deducted for book purposes and tax depreciation expense deducted for income tax purposes, results in deferred income taxes being recorded on the books. Since Leased Vehicles are not included in Rate Base, the deferred income taxes are being excluded as well.
282 Leased Vehicles		(7,794,621)	(7,794,621)	-	-	-	
282 Plant Related - FAS109 Deferred Taxes		(32,010,736)	-	-	(32,010,736)	-	Pursuant to the requirements of FAS 109, ACE's accumulated deferred income taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances represent the deferred taxes on prior flow-through items. Related to all plant. These amounts are removed below.
Subtotal - p275		(846,376,172)	44,985,193	-	(891,361,365)	-	
Less FASB 109 Above if not separately removed		(32,010,736)	-	-	(32,010,736)	-	
Less FASB 106 Above if not separately removed		-	-	-	-	-	
282 Total		(814,365,436)	44,985,193	-	(859,350,629)	-	

Instructions for Account 282:
 1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C.
 2. ADIT items related only to Transmission are directly assigned to Column D.
 3. ADIT items related to Plant and not in Columns C & D are included in Column E.
 4. ADIT items related to labor and not in Columns C & D are included in Column F.
 5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.
 6. Re: Form 1-F filer. Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

ADIT	A	B	C	D	E	F	G
		Total	Gas, Prod or Other Related	Only Transmission Related	Plant	Labor	Justifications
ADIT-283							Represents deferred income tax liability on Vacation Accrual Regulatory Asset. The deferred taxes are related to Company personnel across all functions.
283	Accrual Labor Related	(4,269,783)	-	-	-	(4,269,783)	Relates to deferred costs associated with Basic Generation Service. Retail related.
283	BCS Deferred Related - Retail	(14,428,575)	(14,428,575)	-	-	-	Estimated book interest income on prior year taxes not included in taxable income for tax purposes. Related to both Transmission and Distribution.
283	Interest on Contingent Taxes	(18,810)	-	-	(18,810)	-	The cost of bond redemption is deductible currently for tax purposes and is amortized over the life of the new bond issue for book purposes. Excluded here since included in Cost of Debt.
283	Loss on Recaptured Debt	(2,459,510)	(2,459,510)	-	-	-	Represents deferred taxes on miscellaneous deferred debits deducted for tax purposes in advance of book purposes. Retail related.
283	Misc. Deferred Debits - Retail	(23,042)	(23,042)	-	-	-	These deferred taxes relate to Regulatory Assets created during Generation deregulation. The underlying costs were deducted for tax purposes as incurred. Amortization Expense recorded for book purposes as amounts are collected from customers is reversed for tax purposes. It is Generation related.
283	NUG BUYOUT	(11,558,142)	(11,558,142)	-	-	-	The Company claims tax deductions for payments made to fund its Retirement Income Plan to the extent permitted under the IRC Section 415 contribution limitations. For book purposes, Pension Plan expense is recorded in accordance with SFAS 158. This deferred tax liability reflects the difference between the tax versus book deductions. It affects Company personnel across all functions.
283	PENSION PAYMENT RESERVE	(34,801,022)	-	-	-	(34,801,022)	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. The deferred tax asset is 100% Transmission related.
283	Req Asset - FERC Formula Rate Adj. Trans. Svc	(2,677,716)	-	(2,677,716)	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax liability is retail related.
283	Req Asset-NJ Rec Base	(8,726,472)	(8,726,472)	-	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax liability is retail related.
283	Regulatory Asset - NJ RGGI	(173,383)	(173,383)	-	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax liability is retail related.
283	Regulatory Asset - SREC Program	(870,712)	(870,712)	-	-	-	Represents deferred income tax liability on the Solar Renewable Energy Certificate Program. Retail related.
283	Stranded Costs	(39,198,946)	(39,198,946)	-	-	-	These deferred taxes relate to Regulatory Assets created during Generation deregulation. The underlying costs were deducted for tax purposes as incurred. Amortization Expense recorded for book purposes as amounts are collected from customers is reversed for tax purposes. It is Generation related.
283	Use Tax reserve	768,182	768,182	-	-	-	For book purposes, SFAS 5 reserves are established for potential prior year sales and use tax liabilities. For tax purposes, these liabilities can only be deducted when the amounts become fixed liabilities and are paid. Related to the retail function.
283	Gross up on FAS 109 Deferred Taxes	(22,088,802)	-	-	(22,088,802)	-	Pursuant to the requirements of FAS 109, ACE's accumulated deferred income taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances represent the tax gross-up necessary for full recovery of the prior flow-through amounts. Related to all plant. These amounts are removed below.
283	Subtotal - p277 (Form 1-F filer- see note 6, below)	(140,526,733)	(76,670,600)	(2,677,716)	(22,107,612)	(39,070,805)	
283	Less FASB 109 Above if not separately removed	(22,088,802)	-	-	(22,088,802)	-	
283	Less FASB 106 Above if not separately removed	-	-	-	-	-	
283	Total	(118,437,931)	(76,670,600)	(2,677,716)	(18,810)	(39,070,805)	

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Instructions for Account 283:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.
- Re: Form 1-F filer- Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

ADITC		Balance	Amortization
1	Rate Base Treatment		
2	Balance to line 41 of Appendix A	Total	
3	Amortization		
4	Amortization to line 133 of Appendix A	Total	4,060,657 378,101
5	Total	4,060,657	378,101
6	Form No. 1 balance (p.266) for amortization	Total Form No. 1 (p.266 & 267)	4,060,657 378,101
7	Difference /1		

/1 Difference must be zero

Atlantic City Electric Company

Attachment 2 - Taxes Other Than Income Worksheet

<i>Other Taxes</i>	<i>Page 263 Col (i)</i>	<i>Allocator</i>	<i>Allocated Amount</i>
Plant Related		Gross Plant Allocator	
1 Real property (State, Municipal or Local)	2,718,030		
2 Personal property	-		
3 City License	-		
4 Federal Excise	15,339		
Total Plant Related	2,733,369	34.4422%	941,431
Labor Related		Wages & Salary Allocator	
5 Federal FICA & Unemployment	2,040,419		
6 Unemployment(State)	295,904		
Total Labor Related	2,336,323	8.8404%	206,540
Other Included		Gross Plant Allocator	
7 Miscellaneous	2,706		
Total Other Included	2,706	34.4422%	932
Total Included			1,148,903
Excluded			
8 State Franchise tax	-		
9 TEFA	-		
10 Use & Sales Tax	1,203,283		
10.1 Excluded merger costs in line 5	1,454		
11 Total "Other" Taxes (included on p. 263)	6,277,135		
12 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	6,277,135		
13 Difference	-		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they will not be included
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they will not be included
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year

Atlantic City Electric Company

Attachment 3 - Revenue Credit Workpaper

Account 454 - Rent from Electric Property

1 Rent from Electric Property - Transmission Related (Note 3)		949,422
2 Total Rent Revenues	(Sum Line 1)	949,422

Account 456 - Other Electric Revenues (Note 1)

3 Schedule 1A		\$ 848,650
4 Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)		-
5 Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner (Note 4)		761,122
6 PJM Transitional Revenue Neutrality (Note 1)		-
7 PJM Transitional Market Expansion (Note 1)		-
8 Professional Services (Note 3)		-
9 Revenues from Directly Assigned Transmission Facility Charges (Note 2)		619,380
10 Rent or Attachment Fees associated with Transmission Facilities (Note 3)		-
11 Gross Revenue Credits	(Sum Lines 2-10)	3,178,574
12 Less line 17g		(668,630)
13 Total Revenue Credits		2,509,943

Revenue Adjustment to determine Revenue Credit

- 14 Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 173 of Appendix A.
- 15 Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.
- 16 Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 17a - 17g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).

17a Revenues included in lines 1-11 which are subject to 50/50 sharing.		949,422
17b Costs associated with revenues in line 17a	Attachment 5 - Cost Support	387,839
17c Net Revenues (17a - 17b)		561,583
17d 50% Share of Net Revenues (17c / 2)		280,791
17e Costs associated with revenues in line 17a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.		-
17f Net Revenue Credit (17d + 17e)		280,791
17g Line 17f less line 17a		(668,630)
18 Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here but not included in the total above and is explained in the Cost Support; for example revenues associated with distribution facilities. In addition, Revenues from Schedule 12 are not included in the total above to the extent they are credited under Schedule 12.		10,660,859
19 Amount offset in line 4 above		111,505,353
20 Total Account 454, 456 and 456.1		125,344,786
21 Note 4: SECA revenues booked in Account 447.		

Atlantic City Electric Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE 100 Basis Point increase in ROE and Income Taxes	(Line 127 + Line 138)	78,377,717
B	100 Basis Point increase in ROE		1.00%

Return Calculation

59	Rate Base	(Line 39 + 58)	629,135,747
Long Term Interest			
100	Long Term Interest	p117.62c through 67c	65,599,295
101	Less LTD Interest on Securitization B _i (Note P)	Attachment 8	8,290,626
102	Long Term Interest	"(Line 100 - line 101)"	57,308,669
103	Preferred Dividends	enter positive p118.29c	0
Common Stock			
104	Proprietary Capital	p112.16c	1,033,261,076
105	Less Preferred Stock	(Line 114)	0
106	Less Account 216.1	p112.12c	0
107	Common Stock	(Sum Lines 104 to 106)	1,033,261,076
Capitalization			
108	Long Term Debt	p112.17c through 21c	1,103,448,302
109	Less Loss on Reacquired Debt	p111.81.c	-6,020,831
110	Plus Gain on Reacquired Debt	p113.61.c	0
111	Less ADIT associated with Gain or Loss	Attachment 1	2,459,510
112	Less LTD on Securitization Bonds	Attachment 8	-66,433,302
113	Total Long Term Debt	(Sum Lines Lines 108 to 112)	1,033,453,679
114	Preferred Stock	p112.3c	0
115	Common Stock	(Line 107)	1,033,261,076
116	Total Capitalization	(Sum Lines 113 to 115)	2,066,714,755
117	Debt %	(Note Q from Appendix A) Total Long Term Debt (Line 113 / 116)	50%
118	Preferred %	(Note Q from Appendix A) Preferred Stock (Line 114 / 116)	0%
119	Common %	(Note Q from Appendix A) Common Stock (Line 115 / 116)	50%
120	Debt Cost	Total Long Term Debt (Line 102 / 113)	0.0555
121	Preferred Cost	Preferred Stock (Line 103 / 114)	0.0000
122	Common Cost	Common Stock (Note J from Appendix A) Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 117 * 120)	0.0277
124	Weighted Cost of Preferred	Preferred Stock (Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock (Line 119 * 122)	0.0575
126	Total Return (R)	(Sum Lines 123 to 125)	0.0852
127	Investment Return = Rate Base * Rate of Return	(Line 59 * 126)	53,619,209

Composite Income Taxes

(Note L)

Income Tax Rates			
128	FIT=Federal Income Tax Rate		35.00%
129	SIT=State Income Tax Rate or Composite		9.00%
130	p = percent of federal income tax deductible for state purposes	Per State Tax Code	0.00%
131	T	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$	40.85%
132	T / (1-T)		69.06%
ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative p266.8f	-378,101
134	T/(1-T)	(Line 132)	69.06%
135	Net Plant Allocation Factor	(Line 18)	35.1638%
136	ITC Adjustment Allocated to Transmission	(Note I from Appendix A) (Line 133 * (1 + 134) * 135)	-224,776
137	Income Tax Component =	CIT=(T/(1-T) * Investment Return * (1-(WCLTD/R)) =	24,983,284
138	Total Income Taxes		24,758,508

Atlantic City Electric Company

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
Plant Allocation Factors							
10	Accumulated Intangible Amortization	(Note A)	p200.21c	15,119,930	15,119,930	0	Respondent is Electric Utility only.
11	Accumulated Common Amortization - Electric	(Note A)	p356	0	0	0	
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	0	0	0	
Plant In Service							
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	
Accumulated Deferred Income Taxes							
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	4,060,657	4,060,657	0	Respondent is Electric Utility only.
Materials and Supplies							
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0	0	0	Respondent is Electric Utility only.
Allocated General & Common Expenses							
65	Plus Transmission Lease Payments	(Note A)	p200.3c	0			
67	Common Plant O&M	(Note A)	p356	0	0	0	
Depreciation Expense							
88	Intangible Amortization	(Note A)	p336.1d&e	139,483	139,483	0	Respondent is Electric Utility only.
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	0	0	0	
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0	0	0	

Transmission / Non-transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
28	Plant Held for Future Use (Including Land)	(Note C)	p214	12,757,399	782,029	11,975,370	Transmission Right of Way - Carll's Corner to Landis

CWIP & Expensed Lease Worksheet

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	CWIP In Form 1 Amount	Expensed Lease In Form 1 Amount	Details
Plant Allocation Factors							
6	Electric Plant in Service	(Note B)	p207.104g	3,341,206,653	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Service without AROs
Plant In Service							
19	Transmission Plant In Service	(Note B)	p207.58.g	1,124,448,196	0	0	See Form 1
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	
Accumulated Depreciation							
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	234,966,564	0	0	See Form 1

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	EPRI Dues	Details	
Allocated General & Common Expenses							
73	Less EPRI Dues	(Note D)	p352-353	138,757	138,757		See Form 1

Atlantic City Electric Company

Attachment 5 - Cost Support

Regulatory Expense Related to Transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
70	Allocated General & Common Expenses Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	4,153,916	132,610	4,021,306	FERC Form 1 page 351 line 3 (h) through 6 (h)
77	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G)	p323.189b	4,153,916	132,610	4,021,306	FERC Form 1 page 351 line 3 (h) through 6 (h)

Safety Related Advertising Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non-safety Related	Details
81	Directly Assigned A&G General Advertising Exp Account 930.1	(Note K)	p323.191b	363,930	-	363,930	None

MultiState Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				State 1	State 2	State 3	State 4	State 5	Details
129	Income Tax Rates SIT=State Income Tax Rate or Composite	(Note I)	9.0000%	NJ 9.00%	PA 9.990%				Enter Calculation Apportioned: NJ 100.0000%, PA 0.0000%

Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Education & Outreach	Other	Details
78	Directly Assigned A&G General Advertising Exp Account 930.1	(Note F)	p323.191b	363,930	-	363,930	None

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
149	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities	(Note M)	Attachment 5	-	General Description of the Facilities
Instructions:				Enter \$	None
1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process					
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:				Or	
Example				Enter \$	
A Total investment in substation				1,000,000	
B Identifiable investment in Transmission (provide workpapers)				500,000	
C Identifiable investment in Distribution (provide workpapers)				400,000	
D Amount to be excluded (A x (C / (B + C)))				444,444	
Add more lines if necessary					

Atlantic City Electric Company

Attachment 5 - Cost Support

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Outstanding Network Credits	Description of the Credits
Network Credits					
55	Outstanding Network Credits	(Note N)	From PJM	Enter \$ 0	General Description of the Credits None
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0	None
Add more lines if necessary					

Transmission Related Account 242 Reserves

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Allocation	Transmission Related	Details
44	Transmission Related Account 242 Reserves (exclude current year environmental site related reserves)	Enter \$		Amount	
	Directly Assignable to Transmission	0	100%	-	
	Labor Related, General plant related or Common Plant related	12,977,141	8.84%	1,147,228	
	Plant Related	3,207,174	34.44%	1,104,620	
	Other		0.00%	-	
	Total Transmission Related Reserves	16,184,315		2,251,848	

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions					Description of the Prepayments
45	Prepayments				
5	Wages & Salary Allocator		8.840%	To Line 45	
	Pension Liabilities, if any, in Account 242	-	8.840%	-	
	Prepayments	\$ 423,912	8.840%	37,475	
	Prepaid Pensions if not included in Prepayments	\$ 85,192,220	8.840%	7,531,310	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).
		85,616,132		7,568,786	
Add more lines if necessary					

Extraordinary Property Loss

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Amount	Number of years	Amortization	w/ interest
61	Less extraordinary property loss		Attachment 5	\$ -			
62	Plus amortized extraordinary property loss		Attachment 5		5	\$ -	\$ -

Atlantic City Electric Company

Attachment 5 - Cost Support

Interest on Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Interest on Network Credits	Description of the Interest on the Credits
155	Revenue Credits & Interest on Network Credits Interest on Network Credits	(Note N)	PJM Data	0	General Description of the Credits
				Enter \$	None
Add more lines if necessary					

Facility Credits under Section 30.9 of the PJM OATT and Facility Credits paid to Vineland per settlement in ER05-515 (Note R)

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Amount	Description & PJM Documentation
171	Net Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT and Facility Credits paid to Vineland per settlement in ER05-515 (Note R)			-	Settlement agreement.

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				1 CP Peak	Description & PJM Documentation
173	Network Zonal Service Rate 1 CP Peak	(Note L)	PJM Data	2,673.4	See Form 1

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
ACE zone						
Total						

Supporting documentation for FERC Form 1 reconciliation

Compliance with FERC Order on the Exelon Merger				Form 1 Amount	Merger Costs	Non Merger Related
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Merger Costs	Non Merger Related
60	Transmission O&M		p321.112.b	19,188,113	412,159	18,775,954
68	Total A&G		p323.197.b	92,346,183	19,276,445	73,069,738

ARO Exclusion - Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	ARO's	Non-ARO's	
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	ARO's	Non-ARO's	
6	Electric Plant in Service		p207.104g	3,341,206,653	946,955	3,340,259,698	Distribution ARO-\$850,400 and General & Intangible ARO-\$96,555
9	Accumulated Depreciation (Total Electric Plant)		p219.29c	734,520,209	95,364	734,424,845	Distribution ARO-\$47,086 and General ARO-\$48,278
23	General & Intangible		p205.5.g & p207.99.g	131,879,841	96,555	131,783,286	General & Intangible ARO-\$96,555
31	Accumulated General Depreciation		p219.28.c	35,790,691	48,278	35,742,413	General ARO-\$48,278

PBOP Expense in FERC 926

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Atlantic City Electric Company

Attachment 5 - Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Total A&G Form 1 Amount	Account 926 Form 1 Amount	PBOP in FERC 926 current rate year	PBOP in FERC 926 prior rate year	Explanation of change in PBOP in FERC 926
68	Total A&G	Total: p.323.197.b Account 926: p.323.187.b and c		92,346,183	12,070,521	1,000,545	877,444	The actuarially determined amount of OPEB expense in FERC 926 increased \$.129 million from the prior year; the increase primarily represents a \$0.1 million increase in amortization of unrecognized gain/loss from assumption changes, primarily a change in the census data and decrease in the discount rate from 4.15% in 2015 to 3.80% in 2016, \$0.4 million decrease in expected return on plan assets, offset by (\$0.4 million) decrease in interest cost.

Attachment 3 - Revenue Credit Workpaper

17b	Costs associated with revenues in line 17a	\$ 387,839
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	\$ 949,422
	Federal Income Tax Rate	35.00%
	Federal Tax on Revenue subject to 50/50 sharing	332,298
	Net Revenue subject to 50/50 sharing	617,124
	Composite State Income Tax Rate	9.000%
	State Tax on Revenue subject to 50/50 sharing	55,541
	Total Tax on Revenue subject to 50/50 sharing	<u>\$ 387,839</u>

Atlantic City Electric Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	17,888,560	15,212,497	30,153,120	7,412,352	70,666,529
Procurement & Administrative Services	6,791,101	4,845,791	9,935,687	3,926,533	25,499,112
Financial Services & Corporate Expenses	19,012,271	15,407,361	29,313,579	25,623,238	89,356,449
Insurance Coverage and Services	1,053,835	1,059,259	878,771	205,181	3,197,046
Human Resources	6,163,406	4,489,926	9,197,885	4,056,693	23,907,910
Legal Services	1,989,324	1,359,614	3,911,072	7,910,660	15,170,671
Audit Services	235,790	200,263	422,964	21,511	880,528
Customer Services	55,980,435	49,006,144	49,427,135	2,578	154,416,292
Information Technology	17,486,264	13,036,712	32,166,511	1,667,441	64,356,929
External Affairs	3,335,582	2,669,671	5,057,025	694,805	11,757,083
Environmental Services	2,511,651	2,003,017	2,263,716	16,460	6,794,844
Safety Services	421,363	405,808	652,912	-	1,480,083
Regulated Electric & Gas T&D	46,285,265	36,369,629	61,044,684	1,370,583	145,070,161
Internal Consulting Services	520,648	339,645	885,335	-	1,745,628
Interns	165,014	133,506	173,225	-	471,745
Cost of Benefits	13,676,739	8,613,927	23,152,231	-	45,442,897
Building Services	91,882	116,387	4,599,613	-	4,807,882
Total	\$ 193,609,128	\$ 155,269,158	\$ 263,235,465	\$ 52,908,036	\$ 665,021,787

Name of Respondent PHI Service Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Resubmission Date (Mo, Da, Yr) / /	Year/Period of Report Dec 31, 2016
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Schedule XVII - Analysis of Billing – Associate Companies (Account 457)

1. For services rendered to associate companies (Account 457), list all of the associate companies.

Line No.	Name of Associate Company (a)	Account 457.1 Direct Costs Charged (b)	Account 457.2 Indirect Costs Charged (c)	Account 457.3 Compensation For Use of Capital (d)	Total Amount Billed (e)
1	Potomac Electric Power Company	55,777,848	207,249,778	207,839	263,235,465
2	Delmarva Power & Light Company	45,668,170	147,785,802	155,156	193,609,128
3	Atlantic City Electric Company	29,420,467	125,724,641	124,050	155,269,158
4	Exelon Business Services Company, LLC	42,660,634			42,660,634
5	Pepco Energy Services, Inc.	4,221,075	1,906,663	4,801	6,132,539
6	Pepco Holdings LLC	979,497	1,972,619	5,708	2,957,824
7	Thermal Energy Limited Partnership	4,232	407,746	522	412,500
8	ATS Operating Services, Inc.	26	167,526	192	167,744
9	Atlantic Southern Properties, Inc.	3,079	158,479	142	161,700
10	Conectiv Properties & Investments, Inc.	57	121,639	103	121,799
11	Conectiv Thermal Systems, Inc.	1,447	95,441	67	96,955
12	Conectiv, LLC	6,529	79,114	62	85,705
13	Potomac Capital Investment Corporation	29,039	36,778	114	65,931
14	Atlantic City Electric Transition Funding, LLC	37,069	7,509	40	44,618
15	ATE Investment, Inc.	87			87
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
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31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	178,809,256	485,713,735	498,796	665,021,787

Service Company Billing Analysis by Utility FERC Account
YTD Dec 2016
Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work in Progress	26,805,795	19,873,552	37,468,781	-	84,148,128	Not included
182.3	Other Regulatory Assets	4,175,575	259,524	8,595,791	-	13,030,891	Not included
184	Clearing Accounts - Other	348,794	92,274	638,660	(253,174)	826,555	Not included
408.1	Taxes other than inc taxes, utility operating inc	2,313	784	1,997	-	5,093	Not included
416-421.2	Other Income -Below the Line	892,977	789,210	1,313,427	53,161,209	56,156,823	Not included
426.1-426.5	Other Income Deductions - Below the Line	1,753,265	1,341,072	2,592,346	-	5,686,683	Not included
430	Interest-Debt to Associated Companies	182,125	145,629	244,108	-	571,862	Not included
431	Interest-Short Term Debt	(26,965)	(21,576)	(36,264)	-	(84,805)	Not included
556	System cont & load dispatch	2,775,119	2,378,381	2,624,428	-	7,777,928	Not included
557	Other expenses	1,275,792	1,012,311	1,550,758	-	3,838,861	Not included
560	Operation Supervision & Engineering	3,003,550	2,801,852	5,088,055	-	10,893,458	100% included
561	Load dispatching	-	299	-	-	299	100% included
561.1	Load Dispatching - Reliability	15,313	13,623	-	-	28,936	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	54,585	28,734	849,068	-	932,386	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	45,300	38,036	50,977	-	134,313	100% included
561.5	Reliability, Planning and Standards	340,515	334,220	131,940	-	806,676	100% included
563	Overhead line expenses	-	-	301	-	301	100% included
562	Station expenses	-	-	11,428	-	11,428	100% included
564	Underground Line Expenses - Transmission	-	-	3,084	-	3,084	100% included
566	Miscellaneous transmission expenses	1,333,901	1,161,236	1,290,926	-	3,786,062	100% included
568	Maintenance Supervision & Engineering	66,861	84,785	507,686	-	659,332	100% included
569.2	Maintenance of Computer Software	840,498	353,031	449,960	-	1,643,489	100% included
570	Maintenance of station equipment	182,130	92,896	379,724	-	654,749	100% included
571	Maintenance of overhead lines	234,450	231,176	548,094	-	1,013,720	100% included
572	Maintenance of underground lines	667	950	11,117	-	12,735	100% included
573	Maintenance of miscellaneous transmission plant	32,488	56,182	171,684	-	260,354	100% included
575.5	Ancillary services market administration	-	-	17,401	-	17,401	Not included
580	Operation Supervision & Engineering	1,001,036	471,740	1,212,741	-	2,685,517	Not included
581	Load dispatching	1,179,197	535,514	1,475,555	-	3,190,266	Not included
582	Station expenses	897,139	-	105,767	-	1,002,906	Not included
583	Overhead line expenses	95,393	229,072	47,265	-	371,730	Not included
584	Underground line expenses	34,878	-	208,396	-	243,274	Not included
585	Street lighting	4,028	-	43	-	4,071	Not included
586	Meter expenses	800,246	411,127	1,108,564	-	2,319,937	Not included
587	Customer installations expenses	346,745	299,963	893,846	-	1,540,554	Not included
588	Miscellaneous distribution expenses	5,474,825	5,527,826	9,099,689	-	20,102,340	Not included
589	Rents	60,620	2,757	64,590	-	127,967	Not included
590	Maintenance Supervision & Engineering	1,014,077	543,084	431,373	-	1,988,535	Not included
591	Maintain structures	-	-	102	-	102	Not included
592	Maintain equipment	567,892	615,945	1,111,695	-	2,295,532	Not included
593	Maintain overhead lines	1,499,072	1,123,689	1,646,212	-	4,268,974	Not included
594	Maintain underground line	195,257	80,020	610,137	-	885,414	Not included
595	Maintain line transformers	550	200	199,373	-	200,122	Not included
596	Maintain street lighting & signal systems	41,368	40,213	15,904	-	97,486	Not included
597	Maintain meters	110,587	33,666	157,207	-	301,460	Not included
598	Maintain distribution plant	32,930	13,967	560,761	-	607,659	Not included
800-894	Total Gas Accounts	2,419,540	-	-	-	2,419,540	Not included
902	Meter reading expenses	144,919	46,153	123,280	-	314,351	Not included
903	Customer records and collection expenses	51,327,401	49,920,892	48,002,627	-	149,250,920	Not included
907	Supervision - Customer Svc & Information	93,109	89,900	135,212	-	318,221	Not included
908	Customer assistance expenses	2,108,200	754,281	876,429	-	3,738,910	Not included
909	Informational & instructional advertising	204,733	204,651	306,902	-	716,286	Not included
912	Demonstrating and selling expense	140,748	-	-	-	140,748	Not included
913	Advertising expense	43,946	-	-	-	43,946	Not included
920	Administrative & General salaries	367,453	98,423	639,618	-	1,105,493	Wage & Salary Factor
921	Office supplies & expenses	5,082	4,300	6,549	-	15,931	Wage & Salary Factor
923	Outside services employed	67,081,017	56,928,796	110,924,582	-	234,934,395	Wage & Salary Factor
924	Property insurance	(3,103)	(2,499)	(4,305)	-	(9,908)	Net Plant Factor
925	Injuries & damages	467,041	359,075	751,897	-	1,578,013	Wage & Salary Factor
926	Employee pensions & benefits	7,900,160	4,233,882	12,532,015	-	24,666,057	Wage & Salary Factor
928	Regulatory commission expenses	2,081,126	592,263	2,541,328	-	5,214,716	Direct Transmission Only
929	Duplicate charges-Credit	472,389	232,352	1,387,280	-	2,092,021	Wage & Salary Factor
930.1	General ad expenses	-	-	33	-	33	Direct Transmission Only
930.2	Miscellaneous general expenses	643,418	590,393	1,134,900	-	2,368,711	Wage & Salary Factor
935	Maintenance of general plant	421,060	219,332	422,422	-	1,062,814	Wage & Salary Factor
Total		193,609,128	155,269,158	263,235,465	52,908,036	665,021,787	

7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)

Remove all Cap Adds placed in service in Year 2

For Reconciliation only - remove actual New Transmission Plant Additions for Year 2 \$ 170,292,241 Input to Formula Line 20

Add weighted Cap Adds actually placed in service in Year 2

	(A) Monthly Additions Other Plant In Service	(B) Monthly Additions Other Plant In Service	(C) Monthly Additions MAPP CWIP	(D) Monthly Additions MAPP In Service	(E) Weighting	(F) Other Plant In Service Amount (A x E)	(G) Other Plant In Service Amount (B x E)	(H) MAPP CWIP Amount (C x E)	(I) MAPP In Service Amount (D x E)	(J) Other Plant In Service (F / 12)	(K) Other Plant In Service (G / 12)	(L) MAPP CWIP (H / 12)	(M) MAPP In Service (I / 12)	
Jan	12,706,474				11.5	146,124,447	-	-	-	12,177,037	-	-	-	
Feb	3,246,053				10.5	34,083,555	-	-	-	2,840,296	-	-	-	
Mar	1,511,631				9.5	14,360,493	-	-	-	1,196,708	-	-	-	
Apr	26,556,388				8.5	225,729,299	-	-	-	18,810,775	-	-	-	
May	52,012,666				7.5	390,094,996	-	-	-	32,507,916	-	-	-	
Jun	45,875,408				6.5	298,190,155	-	-	-	24,849,180	-	-	-	
Jul	92,900				5.5	510,950	-	-	-	42,579	-	-	-	
Aug	804,570				4.5	3,620,565	-	-	-	301,714	-	-	-	
Sep	1,103,039				3.5	3,860,636	-	-	-	321,720	-	-	-	
Oct	4,192,134				2.5	10,480,335	-	-	-	873,361	-	-	-	
Nov	1,095,520				1.5	1,643,280	-	-	-	136,940	-	-	-	
Dec	21,095,458				0.5	10,547,729	-	-	-	878,977	-	-	-	
Total	170,292,241					1,139,246,440				94,937,203				
New Transmission Plant Additions and CWIP (weighted by months in service)										94,937,203				
										94,937,203				
										Input to Line 21 of Appendix A	94,937,203			94,937,203
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	5.31	#DIV/0!	#DIV/0!	#DIV/0!
115,988,462 Result of Formula for Reconciliation														
(Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)														

8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)

	(A) Monthly Additions Other Plant In Service	(B) Monthly Additions Other Plant In Service	(C) Monthly Additions MAPP CWIP	(D) Monthly Additions MAPP In Service	(E) Weighting	(F) Other Plant In Service Amount (A x E)	(G) Other Plant In Service Amount (B x E)	(H) MAPP CWIP Amount (C x E)	(I) MAPP In Service Amount (D x E)	(J) Other Plant In Service (F / 12)	(K) Other Plant In Service (G / 12)	(L) MAPP CWIP (H / 12)	(M) MAPP In Service (I / 12)	
Jan					11.5	-	-	-	-	-	-	-	-	
Feb					10.5	-	-	-	-	-	-	-	-	
Mar	6,321,892				9.5	60,057,974	-	-	-	5,004,831	-	-	-	
Apr	4,268,041				8.5	36,278,349	-	-	-	3,023,196	-	-	-	
May					7.5	-	-	-	-	-	-	-	-	
Jun	11,688,559				6.5	75,975,634	-	-	-	6,331,303	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec					0.5	-	-	-	-	-	-	-	-	
Total	22,278,492					172,311,956				14,359,330				
New Transmission Plant Additions and CWIP (weighted by months in service)										14,359,330				
										14,359,330				
										Input to Line 21 of Appendix A	14,359,330			14,359,330
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	4.27	#DIV/0!	#DIV/0!	#DIV/0!
123,838,424														

9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

The Reconciliation in Step 7		The forecast in Prior Year		
115,988,462	-	104,043,298	=	11,945,164

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of 0.3000%

Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	995,430	0.3000%	11.5	34,342	1,029,773
Jul	Year 1	995,430	0.3000%	10.5	31,356	1,026,786
Aug	Year 1	995,430	0.3000%	9.5	28,370	1,023,800
Sep	Year 1	995,430	0.3000%	8.5	25,383	1,020,814
Oct	Year 1	995,430	0.3000%	7.5	22,397	1,017,827
Nov	Year 1	995,430	0.3000%	6.5	19,411	1,014,841
Dec	Year 1	995,430	0.3000%	5.5	16,425	1,011,855
Jan	Year 2	995,430	0.3000%	4.5	13,438	1,008,869
Feb	Year 2	995,430	0.3000%	3.5	10,452	1,005,882
Mar	Year 2	995,430	0.3000%	2.5	7,466	1,002,896
Apr	Year 2	995,430	0.3000%	1.5	4,479	999,910
May	Year 2	995,430	0.3000%	0.5	1,493	996,923
Total		11,945,164				12,160,176

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	12,160,176	0.3000%	1,033,217	11,163,440
Jul	Year 2	11,163,440	0.3000%	1,033,217	10,163,714
Aug	Year 2	10,163,714	0.3000%	1,033,217	9,160,988
Sep	Year 2	9,160,988	0.3000%	1,033,217	8,155,254
Oct	Year 2	8,155,254	0.3000%	1,033,217	7,146,503
Nov	Year 2	7,146,503	0.3000%	1,033,217	6,134,726
Dec	Year 2	6,134,726	0.3000%	1,033,217	5,119,913
Jan	Year 3	5,119,913	0.3000%	1,033,217	4,102,056
Feb	Year 3	4,102,056	0.3000%	1,033,217	3,081,145
Mar	Year 3	3,081,145	0.3000%	1,033,217	2,057,172
Apr	Year 3	2,057,172	0.3000%	1,033,217	1,030,126
May	Year 3	1,030,126	0.3000%	1,033,217	-
Total with interest				12,398,602	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest		12,398,602
Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8)	\$	123,838,424
Revenue Requirement for Year 3		136,237,027

10 May Year 3 ilts of Step 9 on PJM web site
\$ 136,237,027

11 June Year 3 r the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)
\$ 136,237,027

identified in Docket Nos. ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.

B0210 Orchard-500kV				B0210 Orchard-Below 500kV				B0277 Cumberland Sub:2nd Xfmr				B1398.5 Reconductor Mickleton - Depford - 230 Kv line				B1398.3.1 Mickleton Depford 230kv terr		
Yes				Yes				Yes				Yes				Yes		
35				35				35				35				35		
No				No				No				No				No		
150				150				150				0				0		
10.9437%				10.9437%				10.9437%				10.9437%				10.9437%		
11.8406%				11.8406%				11.8406%				10.9437%				10.9437%		
26,046,638				18,572,212				6,759,777				4,045,398				13,176,210		
744,190				530,635				193,136				115,583				376,463		
7.00				7				2				5				5		
Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending
19,783,042	744,190	19,038,852	2,827,751	14,106,037	530,635	13,575,403	2,016,290	5,440,011	193,136	5,246,875	767,340	3,942,737	115,583	3,827,154	534,416	12,204,855	376,463	11,828,392
19,783,042	744,190	19,038,852	2,998,498	14,106,037	530,635	13,575,403	2,138,040	5,440,011	193,136	5,246,875	814,396	3,942,737	115,583	3,827,154	534,416	12,204,855	376,463	11,828,392
19,038,852	744,190	18,294,662	2,746,309	13,575,403	530,635	13,044,768	1,958,219	5,246,875	193,136	5,053,738	746,204	3,827,154	115,583	3,711,571	521,767	11,828,392	376,463	11,451,929
19,038,852	744,190	18,294,662	2,910,382	13,575,403	530,635	13,044,768	2,075,210	5,246,875	193,136	5,053,738	791,528	3,827,154	115,583	3,711,571	521,767	11,828,392	376,463	11,451,929
18,294,662	744,190	17,550,473	2,664,866	13,044,768	530,635	12,514,133	1,900,148	5,053,738	193,136	4,860,602	725,068	3,711,571	115,583	3,595,988	509,118	11,451,929	376,463	11,075,466
18,294,662	744,190	17,550,473	2,822,266	13,044,768	530,635	12,514,133	2,012,379	5,053,738	193,136	4,860,602	768,659	3,711,571	115,583	3,595,988	509,118	11,451,929	376,463	11,075,466
17,550,473	744,190	16,806,283	2,583,424	12,514,133	530,635	11,983,499	1,842,077	4,860,602	193,136	4,667,465	703,931	3,595,988	115,583	3,480,405	496,469	11,075,466	376,463	10,699,003
17,550,473	744,190	16,806,283	2,734,149	12,514,133	530,635	11,983,499	1,949,549	4,860,602	193,136	4,667,465	745,791	3,595,988	115,583	3,480,405	496,469	11,075,466	376,463	10,699,003
16,806,283	744,190	16,062,093	2,501,982	11,983,499	530,635	11,452,864	1,784,005	4,667,465	193,136	4,474,329	682,795	3,480,405	115,583	3,364,823	483,820	10,699,003	376,463	10,322,539
16,806,283	744,190	16,062,093	2,646,033	11,983,499	530,635	11,452,864	1,886,719	4,667,465	193,136	4,474,329	722,923	3,480,405	115,583	3,364,823	483,820	10,699,003	376,463	10,322,539
16,062,093	744,190	15,317,904	2,420,540	11,452,864	530,635	10,922,229	1,725,934	4,474,329	193,136	4,281,192	661,659	3,364,823	115,583	3,249,240	471,171	10,322,539	376,463	9,946,076
16,062,093	744,190	15,317,904	2,557,917	11,452,864	530,635	10,922,229	1,823,889	4,474,329	193,136	4,281,192	700,054	3,364,823	115,583	3,249,240	471,171	10,322,539	376,463	9,946,076
15,317,904	744,190	14,573,714	2,339,098	10,922,229	530,635	10,391,595	1,667,863	4,281,192	193,136	4,088,056	640,522	3,249,240	115,583	3,133,657	458,522	9,946,076	376,463	9,569,613
15,317,904	744,190	14,573,714	2,469,801	10,922,229	530,635	10,391,595	1,761,059	4,281,192	193,136	4,088,056	677,186	3,249,240	115,583	3,133,657	458,522	9,946,076	376,463	9,569,613
14,573,714	744,190	13,829,524	2,257,656	10,391,595	530,635	9,860,960	1,609,792	4,088,056	193,136	3,894,919	619,386	3,133,657	115,583	3,018,074	445,873	9,569,613	376,463	9,193,150
14,573,714	744,190	13,829,524	2,381,684	10,391,595	530,635	9,860,960	1,698,229	4,088,056	193,136	3,894,919	654,317	3,133,657	115,583	3,018,074	445,873	9,569,613	376,463	9,193,150
13,829,524	744,190	13,085,335	2,176,214	9,860,960	530,635	9,330,326	1,551,721	3,894,919	193,136	3,701,783	598,250	3,018,074	115,583	2,902,491	433,224	9,193,150	376,463	8,816,687
13,829,524	744,190	13,085,335	2,293,568	9,860,960	530,635	9,330,326	1,635,398	3,894,919	193,136	3,701,783	631,449	3,018,074	115,583	2,902,491	433,224	9,193,150	376,463	8,816,687
13,085,335	744,190	12,341,145	2,094,772	9,330,326	530,635	8,799,691	1,493,649	3,701,783	193,136	3,508,646	577,113	2,902,491	115,583	2,786,909	420,575	8,816,687	376,463	8,440,224
13,085,335	744,190	12,341,145	2,205,452	9,330,326	530,635	8,799,691	1,572,568	3,701,783	193,136	3,508,646	608,580	2,902,491	115,583	2,786,909	420,575	8,816,687	376,463	8,440,224
12,341,145	744,190	11,596,955	2,013,329	8,799,691	530,635	8,269,056	1,435,578	3,508,646	193,136	3,315,510	555,977	2,786,909	115,583	2,671,326	407,926	8,440,224	376,463	8,063,761
12,341,145	744,190	11,596,955	2,117,335	8,799,691	530,635	8,269,056	1,509,738	3,508,646	193,136	3,315,510	585,712	2,786,909	115,583	2,671,326	407,926	8,440,224	376,463	8,063,761

Final	B1600 Upgrade Mill T2 138/69 kV Transformer			
	Yes			
	35			
	No			
	0			
	10.9437%			
	10.9437%			
	14,841,978			
	424,057			
	6			

Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
1,670,931	14,647,390	424,057	14,223,334	1,980,620	\$ 12,713,063	\$	\$ 12,713,063
1,670,931	14,647,390	424,057	14,223,334	1,980,620	\$ 13,085,580	\$ 13,085,580	\$
1,629,732	14,223,334	424,057	13,799,277	1,934,212	\$ 12,369,439	\$	\$ 12,369,439
1,629,732	14,223,334	424,057	13,799,277	1,934,212	\$ 12,727,547	\$ 12,727,547	\$
1,588,532	13,799,277	424,057	13,375,221	1,887,805	\$ 12,025,815	\$	\$ 12,025,815
1,588,532	13,799,277	424,057	13,375,221	1,887,805	\$ 12,369,514	\$ 12,369,514	\$
1,547,333	13,375,221	424,057	12,951,164	1,841,397	\$ 11,682,191	\$	\$ 11,682,191
1,547,333	13,375,221	424,057	12,951,164	1,841,397	\$ 12,011,481	\$ 12,011,481	\$
1,506,134	12,951,164	424,057	12,527,107	1,794,990	\$ 11,338,567	\$	\$ 11,338,567
1,506,134	12,951,164	424,057	12,527,107	1,794,990	\$ 11,653,448	\$ 11,653,448	\$
1,464,935	12,527,107	424,057	12,103,051	1,748,582	\$ 10,994,943	\$	\$ 10,994,943
1,464,935	12,527,107	424,057	12,103,051	1,748,582	\$ 11,295,414	\$ 11,295,414	\$
1,423,736	12,103,051	424,057	11,678,994	1,702,174	\$ 10,651,319	\$	\$ 10,651,319
1,423,736	12,103,051	424,057	11,678,994	1,702,174	\$ 10,937,381	\$ 10,937,381	\$
1,382,537	11,678,994	424,057	11,254,938	1,655,767	\$ 10,307,695	\$	\$ 10,307,695
1,382,537	11,678,994	424,057	11,254,938	1,655,767	\$ 10,579,348	\$ 10,579,348	\$
1,341,338	11,254,938	424,057	10,830,881	1,609,359	\$ 9,964,070	\$	\$ 9,964,070
1,341,338	11,254,938	424,057	10,830,881	1,609,359	\$ 10,221,315	\$ 10,221,315	\$
1,300,139	10,830,881	424,057	10,406,825	1,562,952	\$ 9,620,446	\$	\$ 9,620,446
1,300,139	10,830,881	424,057	10,406,825	1,562,952	\$ 9,863,282	\$ 9,863,282	\$
1,258,940	10,406,825	424,057	9,982,768	1,516,544	\$ 9,276,822	\$	\$ 9,276,822
1,258,940	10,406,825	424,057	9,982,768	1,516,544	\$ 9,217,839	\$ 9,217,839	\$
....	\$	\$	\$
....	\$	\$ 217,852,030	\$ 210,914,295

Atlantic City Electric Company

Attachment 8 - Company Exhibit - Securitization Workpaper

Line #

	Long Term Interest	
101	Less LTD Interest on Securitization Bonds	8,290,626
	Capitalization	
112	Less LTD on Securitization Bonds	66,433,302

Calculation of the above Securitization Adjustments

Inputs from Atlantic City Electric Company 2016 FERC Form 1
Pages 256-257 "Long Term Debt (Account 221, 222, 223, and 224)"
Line 17 "Note Payable to ACE Transition Funding - variable"
LTD Interest on Securitization Bonds in column (i)
LTD on Securitization Bonds in column (h)



An Exelon Company

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May 12, 2017

Ms. Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E. Room 1A
Washington, DC 20426

Re: Delmarva Power & Light Company ("Delmarva"), Docket No. ER09-1158
Informational Filing of 2017 Formula Rate Annual Update;
Notice of Annual Meeting

Dear Ms. Bose,

Delmarva hereby submits electronically, for informational purposes, its 2017 Annual Formula Rate Update. On November 3, 2015, the Commission approved an uncontested settlement agreement ("Settlement") filed in Docket Nos. EL13-48, *et al.*¹ Formula Rate implementation protocols contained in the Settlement provide that:

[o]n or before May 15 of each year, Delmarva [Delmarva Power & Light Company] shall recalculate its Annual Transmission Revenue Requirements, producing an "Annual Update" for the upcoming Rate Year, and:

- (i) cause such Annual Update to be posted at a publicly accessible location on PJM's internet website;
- (ii) cause notice of such posting to be provided to PJM's membership; and
- (iii) file such Annual Update with the FERC as an informational filing.²

The same information contained in this informational filing has been transmitted to PJM for posting on its website as required by the Formula Rate implementation protocols. Thus, all interested parties should have ample notice of and access to the

¹ Baltimore Gas and Electric Company, *et al.*, 153 FERC ¶ 61,140 (2015).

² See Settlement, Exhibit A containing PJM Tariff Attachment H3-E, Section 2.b.

Annual Update. The protocols provide specific procedures for notice, review, exchanges of information and potential challenges to aspects of the Annual Update. Consequently, and as the Commission has concluded, there is no need for the Commission to notice this informational filing for comment.³

Delmarva's 2017 Annual Update contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7).

Delmarva has made no accounting changes as defined in the Settlement (and any accounting changes, including accounting policy harmonization changes related to the merger between Exelon and Pepco Holdings, Inc., are discussed in applicable disclosure statements filed within the Securities and Exchange Commission Form 10-K and within the FERC Form No. 1).⁴ Delmarva has made no change to Other Post-Employment Benefits ("OPEB") charges that exceed the filing threshold set forth in the Settlement.⁵

Thank you for your attention to this informational filing. Please direct any questions to the undersigned.

Very truly yours,

/s/ Amy L. Blauman

Amy L. Blauman

Enclosures

cc: All parties on Service Lists in Docket Nos. ER05-515, EL13-48 and EL15-27.

³ See Letter Order Re: Annual Update to Formula Rate in Docket No. ER09-1158 (February 17, 2010).

⁴ See Settlement, Exhibit A containing PJM Tariff Attachment H3-E, Section 2.f.(iii)(d). Accounting entries related to the merger between Exelon and Pepco Holdings, Inc. were approved by FERC in Docket AC16-203 on March 17, 2017 and April 11, 2017.

⁵ See Settlement, Exhibit A containing PJM Tariff Attachment H3-E, Section 2.h.

ATTACHMENT H-3D

Delmarva Power & Light Company		Notes	FERC Form 1 Page # or Instruction	2016
Formula Rate - Appendix A				
Shaded cells are input cells				
Allocators				
1	Wages & Salary Allocation Factor			
	Transmission Wages Expense		p354.21.b	\$ 2,544,316
2	Total Wages Expense		p354.28b	\$ 39,539,759
3	Less A&G Wages Expense		p354.27b	\$ 3,539,158
4	Total		(Line 2 - 3)	36,000,601
5	Wages & Salary Allocator		(Line 1 / 4)	7.0674%
Plant Allocation Factors				
6	Electric Plant In Service	(Note B)	p207.104g (see attachment 5)	\$ 3,570,799,177
7	Common Plant In Service - Electric		(Line 24)	93,311,036
8	Total Plant In Service		(Sum Lines 6 & 7)	3,664,110,213
9	Accumulated Depreciation (Total Electric Plant)		p219.29c (see attachment 5)	\$ 887,843,881
10	Accumulated Intangible Amortization	(Note A)	p200.21c	\$ 10,160,413
11	Accumulated Common Amortization - Electric	(Note A)	p356	14,194,803
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	\$ 50,303,636
13	Total Accumulated Depreciation		(Sum Lines 9 to 12)	962,502,733
14	Net Plant		(Line 8 - 13)	2,701,607,480
15	Transmission Gross Plant		(Line 29 - Line 28)	1,281,171,226
16	Gross Plant Allocator		(Line 15 / 8)	34.9654%
17	Transmission Net Plant		(Line 39 - Line 28)	940,103,815
18	Net Plant Allocator		(Line 17 / 14)	34.7979%
Plant Calculations				
Plant In Service				
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 1,261,704,284
20	For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year	For Reconciliation Only	Attachment 6 - Enter Negative	0
21	New Transmission Plant Additions for Current Calendar Year (weighted by months in service)		Attachment 6	114,232
22	Total Transmission Plant In Service		(Line 19 - 20 + 21)	1,261,818,516
23	General & Intangible		p205.5.g & p207.99.g (see attachment 5)	180,518,622
24	Common Plant (Electric Only)	(Notes A & B)	p356	93,311,036
25	Total General & Common		(Line 23 + 24)	273,829,658
26	Wage & Salary Allocation Factor		(Line 5)	7.06743%
27	General & Common Plant Allocated to Transmission		(Line 25 * 26)	19,352,710
28	Plant Held for Future Use (Including Land)	(Note C)	p214	0
29	TOTAL Plant In Service		(Line 22 + 27 + 28)	1,281,171,226
Accumulated Depreciation				
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	\$ 332,794,029
31	Accumulated General Depreciation		p219.28.c (see attachment 5)	\$ 42,404,721
32	Accumulated Intangible Amortization		(Line 10)	10,160,413
33	Accumulated Common Amortization - Electric		(Line 11)	14,194,803
34	Common Plant Accumulated Depreciation (Electric Only)		(Line 12)	50,303,636
35	Total Accumulated Depreciation		(Sum Lines 31 to 34)	117,063,573
36	Wage & Salary Allocation Factor		(Line 5)	7.06743%
37	General & Common Allocated to Transmission		(Line 35 * 36)	8,273,382
38	TOTAL Accumulated Depreciation		(Line 30 + 37)	341,067,411
39	TOTAL Net Property, Plant & Equipment		(Line 29 - 38)	940,103,815
Adjustment To Rate Base				
Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109		Attachment 1	-293,348,731
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative	(Notes A & I) p266.h	-2,759,107
42	Net Plant Allocation Factor		(Line 18)	-34.80%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	-294,308,843
43a	Transmission Related CWIP (Current Year 12 Month weighted average balances)	(Note B)	p216.43.b as Shown on Attachment 6	-
43b	Unamortized Abandoned Transmission Plant		Attachment 5	-
Transmission O&M Reserves				
44	Total Balance Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	-3,399,431
Prepayments				
45	Prepayments	(Note A)	Attachment 5	13,467,690
46	Total Prepayments Allocated to Transmission		(Line 45)	13,467,690
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	\$ -
48	Wage & Salary Allocation Factor		(Line 5)	7.067%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	2,604,461
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	2,604,461
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 85)	25,547,967
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	3,193,496
Network Credits				
55	Outstanding Network Credits	(Note N)	From PJM	0
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0
57	Net Outstanding Credits		(Line 55 - 56)	0
58	TOTAL Adjustment to Rate Base		(Line 43 + 43a + 44 + 46 + 51 + 54 - 57)	-278,442,628
59	Rate Base		(Line 39 + 58)	661,661,187

O&M

Transmission O&M				
60	Transmission O&M		p321.112.b (see attachment 5)	\$ 19,806,628
61	Less extraordinary property loss		Attachment 5	\$ -
62	Plus amortized extraordinary property loss		Attachment 5	\$ -
63	Less Account 565		p321.96.b	\$ -
64	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note O)	PJM Data	\$ -
65	Plus Transmission Lease Payments	(Note A)	p200.3.c	\$ -
66	Transmission O&M		(Lines 60 - 63 + 64 + 65)	19,806,628
Allocated General & Common Expenses				
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		p323.197.b (see attachment 5)	\$ 83,658,184
68a	For informational purposes: PBOB expense in FERC Account 926	(Note S)	Attachment 5	-70,821
69	Less Property Insurance Account 924		p323.185b	531,426
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	5,473,763
71	Less General Advertising Exp Account 930.1		p323.191b	232,948
72	Less DE Enviro & Low Income and MD Universal Funds		p335.b	6,464,551
73	Less EPRI Dues	(Note D)	p352-353	138,058
74	General & Common Expenses		(Lines 67 + 68) - Sum (69 to 73)	70,817,438
75	Wage & Salary Allocation Factor		(Line 5)	7.0674%
76	General & Common Expenses Allocated to Transmission		(Line 74 * 75)	5,004,970
Directly Assigned A&G				
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	551,444
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	0
79	Subtotal - Transmission Related		(Line 77 + 78)	551,444
80	Property Insurance Account 924		p323.185b	531,426
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	0
82	Total		(Line 80 + 81)	531,426
83	Net Plant Allocation Factor		(Line 18)	34.80%
84	A&G Directly Assigned to Transmission		(Line 82 * 83)	184,925
85	Total Transmission O&M		(Line 66 + 76 + 79 + 84)	25,547,967

Depreciation & Amortization Expense

Depreciation Expense				
86	Transmission Depreciation Expense		p336.7b&c	31,303,021
86a	Amortization of Abandoned Transmission Plant		Attachment 5	0
87	General Depreciation		p336.10b&c	7,220,674
88	Intangible Amortization	(Note A)	p336.1d&e	204,779
89	Total		(Line 87 + 88)	7,425,453
90	Wage & Salary Allocation Factor		(Line 5)	7.0674%
91	General Depreciation Allocated to Transmission		(Line 89 * 90)	524,788
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	4,657,997
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0
94	Total		(Line 92 + 93)	4,657,997
95	Wage & Salary Allocation Factor		(Line 5)	7.0674%
96	Common Depreciation - Electric Only Allocated to Transmission		(Line 94 * 95)	329,201
97	Total Transmission Depreciation & Amortization		(Line 86 + 91 + 96)	32,157,010

Taxes Other than Income

98	Taxes Other than Income		Attachment 2	8,973,320
99	Total Taxes Other than Income		(Line 98)	8,973,320

Return / Capitalization Calculations

Long Term Interest				
100	Long Term Interest		p117.62c through 67c	\$ 51,920,780
101	Less LTD Interest on Securitization Bonds	(Note P)	Attachment 8	0
102	Long Term Interest		"(Line 100 - line 101)"	51,920,780
103	Preferred Dividends	enter positive	p118.29c	-
Common Stock				
104	Proprietary Capital		p112.16c	1,320,198,020
105	Less Preferred Stock	enter negative	(Line 114)	0
106	Less Account 216.1	enter negative	p112.12c	2,177,779
107	Common Stock		(Sum Lines 104 to 106)	1,322,375,799
Capitalization				
108	Long Term Debt		p112.17c through 21c	1,348,230,000
109	Less Loss on Reacquired Debt	enter negative	p111.81c	-8,850,528
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	3,580,937
112	Less LTD on Securitization Bonds	(Note P)	Attachment 8	0
113	Total Long Term Debt		(Sum Lines 108 to 112)	1,342,960,409
114	Preferred Stock		p112.3c	0
115	Common Stock		(Line 107)	1,322,375,799
116	Total Capitalization		(Sum Lines 113 to 115)	2,665,336,208
117	Debt %	Total Long Term Debt	(Line 113 / 116)	50.39%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0.00%
119	Common %	Common Stock	(Line 115 / 116)	49.61%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0387
121	Preferred Cost	Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost	Common Stock	(Note J) Fixed	0.1050
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0195
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0521
126	Total Return (R)		(Sum Lines 123 to 125)	0.0716
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	47,358,101

Composite Income Taxes

Income Tax Rates			
128	FIT=Federal Income Tax Rate		35.00%
129	SIT=State Income Tax Rate or Composite		8.40%
130	p	(percent of federal income tax deductible for state purposes)	0.00%
131	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$	40.46%
132	T/(1-T)		67.95%
ITC Adjustment			
133	Amortized Investment Tax Credit	(Note I)	
134	T/(1-T)	enter negative	-82,942
135	Net Plant Allocation Factor	Attachment 1	34.7979%
136	ITC Adjustment Allocated to Transmission	(Line 133 * (1 + 134) * 135)	-48,475
137	Income Tax Component =	$CIT=(T/(1-T) * Investment\ Return * (1-(WCLTD/R))) =$	23,423,128
138	Total Income Taxes	(Line 136 + 137)	23,374,653

REVENUE REQUIREMENT

Summary			
139	Net Property, Plant & Equipment	(Line 39)	940,103,815
140	Adjustment to Rate Base	(Line 58)	-278,442,628
141	Rate Base	(Line 59)	661,661,187
142	O&M	(Line 85)	25,547,967
143	Depreciation & Amortization	(Line 97)	32,157,010
144	Taxes Other than Income	(Line 99)	8,973,320
145	Investment Return	(Line 127)	47,358,101
146	Income Taxes	(Line 138)	23,374,653
147	Gross Revenue Requirement	(Sum Lines 142 to 146)	137,411,052
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service	(Line 19)	1,261,704,284
149	Excluded Transmission Facilities	(Note M) Attachment 5	0
150	Included Transmission Facilities	(Line 148 - 149)	1,261,704,284
151	Inclusion Ratio	(Line 150 / 148)	100.00%
152	Gross Revenue Requirement	(Line 147)	137,411,052
153	Adjusted Gross Revenue Requirement	(Line 151 * 152)	137,411,052
Revenue Credits & Interest on Network Credits			
154	Revenue Credits	Attachment 3	7,164,461
155	Interest on Network Credits	(Note N) PJM Data	-
156	Net Revenue Requirement	(Line 153 - 154 + 155)	130,246,591
Net Plant Carrying Charge			
157	Net Revenue Requirement	(Line 156)	130,246,591
158	Net Transmission Plant	(Line 19 - 30)	928,910,255
159	Net Plant Carrying Charge	(Line 157 / 158)	14.0214%
160	Net Plant Carrying Charge without Depreciation	(Line 157 - 86) / 158	10.6516%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	(Line 157 - 86 - 127 - 138) / 158	3.0370%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Net Revenue Requirement Less Return and Taxes	(Line 156 - 145 - 146)	59,513,836
163	Increased Return and Taxes	Attachment 4	76,246,284
164	Net Revenue Requirement per 100 Basis Point increase in ROE	(Line 162 + 163)	135,760,121
165	Net Transmission Plant	(Line 19 - 30)	928,910,255
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE	(Line 164 / 165)	14.6150%
167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation	(Line 163 - 86) / 165	11.2451%
168	Net Revenue Requirement	(Line 156)	130,246,591
169	True-up amount	Attachment 6	460,941
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects	Attachment 7	516,825
171	Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515	Attachment 5	-
171a	MAPP Abandonment recovery pursuant to ER13-607	Attachment 5	-
172	Net Zonal Revenue Requirement	(Line 168 + 169 + 170 + 171 + 171a)	131,224,357
Network Zonal Service Rate			
173	1 CP Peak	(Note L) PJM Data	4,127
174	Rate (\$/MW-Year)	(Line 172 / 173)	31,798
175	Network Service Rate (\$/MW/Year)	(Line 174)	31,798

Notes

- A Electric portion only
- B Exclude Construction Work In Progress and leases that are expensed as O&M (rather than amortized). New Transmission plant that is expected to be placed in service in the current calendar year weighted by number of months it is expected to be in-service. New Transmission plant expected to be placed in service in the current calendar year that is not included in the PJM Regional Transmission Plan (RTEP) must be separately detailed on Attachment 5. For the Reconciliation, new transmission plant that was actually placed in service weighted by the number of months it was actually in service CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Transmission Portion Only
- D All EPRI Annual Membership Dues
- E All Regulatory Commission Expenses
- F Safety related advertising included in Account 930.1
- G Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- I The currently effective income tax rate, where FIT is the Federal income tax rate, SIT is the State income tax rate, and $p = \frac{\text{the percentage of federal income tax deductible for state income taxes}}{\text{the percentage of federal income tax deductible for state income taxes}}$. If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to use amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/1-T). A utility must not include tax credits as a reduction to rate base and as an amortization against taxable income.

The ROE is 10.5% which includes a base ROE of 10.0% ROE per FERC order in Docket No. EL13-48 and a 50 basis point RTO membership adder as authorized by FERC; provided, that the projects identified in Docket Nos. ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- J ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- K Education and outreach expenses relating to transmission, for example siting or billing
- L As provided for in Section 34.1 of the PJM OATT and the PJM established billing determinants will not be revised or updated in the annual rate reconciliations per settlement in ER05-515.
- M Amount of transmission plant excluded from rates per Attachment 5.
- N Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments (net of accumulated depreciation) towards the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A. Interest on the Network Credits as booked each year is added to the revenue requirement to make the Transmission Owner whole on Line 155.
- O Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M. If they are booked to Acct 565, they are included in on line 64
- P Securitization bonds may be included in the capital structure per settlement in ER05-515.
- Q ACE capital structure is initially fixed at 50% common equity and 50% debt per settlement in ER05-515 subject to moratorium provisions in the settlement.
- R **Per the settlement in ER05-515, the facility credits of \$15,000 per month paid to Vineland will increase to \$37,500 per month (prorated for partial months) effective on the date FERC approves the settlement in ER05-515.**
- S **See Attachment 5 - Cost Support, section entitled "PBOP Expense in FERC Account 926" for additional information per FERC orders in Docket Nos. EL13-48, EL15-27 and ER16-456.**

Delmarva Power & Light Company

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet Tax Detail

	Only Transmission Related	Plant Related	Labor Related	Total ADIT
ADIT-282	-	(865,615,385)	-	(865,615,385)
ADIT-283	-	(5,893,406)	(77,840,890)	(83,734,296)
ADIT-190	1,513,132	41,793,941	10,650,257	53,957,329
Subtotal	1,513,132	(829,714,850)	(67,190,633)	(895,392,351)
Wages & Salary Allocator			7.0674%	
Gross Plant Allocator		34.96541%		
ADIT	1,513,132	(290,113,214)	(4,748,649)	(293,348,731)
Total				

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 111
Amount (3,580,937)

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

ADIT-190	A	B Total	C Gas, Prod Or Other Distribution Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
Allowance for Doubtful Accounts		8,818,153	8,818,153				Under the Tax Reform Act of 1986, taxpayers are required to account for bad debts using the specific write-off method. The reserve method is used for book purposes. This amount represents the deferred tax asset related to the add-back of book reserves for tax purposes. This deferred tax asset is retail related.
Charitable Contributions		2,305,192	2,305,192				DPL is in a Net Operating Loss Carryforward position, therefore, DPL's charitable contributions are carried forward until such time as either DPL or its Parent Company can use them in its consolidated federal income tax return. For book purposes, the contributions are expensed when incurred. Charitable contributions are not included in Operating Income and any related deferred income taxes are excluded from Rate Base.
Claims Reserve		959,669	134,354		825,315		These deferred taxes are the result of a deduction taken for book purposes to set aside a reserve for General and Auto liability claims. For tax, no deduction is permitted until the "all events" test is met, typically when payment is made. Relates to property across all functions.
Deferred LTC		1,295,110	181,315		1,113,794		Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These items are removed below.
Environmental Expense		899,124	899,124				These deferred taxes are the result of deductions taken for book purposes to set aside a reserve for environmental site clean-up expenses. For tax, no deduction is permitted until the "all events" test is met, typically when economic performance has occurred.
Interest on Contingent Taxes		(6,260)	(876)		(5,384)		Deferred taxes on interest that has not been recognized for income tax purposes but has been recognized for financial reporting purposes. Relates to all functions across the Company.
Merrill Creek		5,573,276	5,573,276				These deferred taxes are the result of rent being recorded ratably over the life of the Merrill Creek lease for book purposes. For tax purposes, rent is deductible only as economic performance occurs. In addition, an extraordinary charge was recorded for book purposes in a prior year to reflect the impairment of the Merrill Creek asset due to deregulation. For tax purposes, the book impairment did not give rise to a tax deduction when recorded. The accrued impairment liability is being amortized to book income on a monthly basis. The monthly book income is being reversed for tax purposes. This asset is Generation related.
OPEB		7,832,517	1,096,552			6,735,964	FAS No. 106 requires accrual basis instead of cash basis accounting for post retirement health care and life insurance benefits for book purposes. Amounts paid to participants or funded through the VEBA or 401(b) accounts are currently deductible for tax purposes. Affects Company personnel across all functions.
Other (190)		2,272,824	426,697		631,749		Reflects deferred income taxes on other Property and Labor related items related to all functions.
Other Labor Related Accruals		10,971,953	1,536,073			9,435,879	Represents deferred income taxes on labor related book accruals that are only deductible for tax purposes as economic performance occurs. The deferred taxes are related to Company personnel across all functions.
Reg Asset - DSM		375,088	375,088				Represents various Demand Side Management costs that are deducted for tax purposes as incurred. For books, these costs are deferred and amortized to expense when collected in rates. This deferred tax asset is retail related.
Reg Liab - FERC Formula Adj.		1,513,132		1,513,132			When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax asset is 100% Transmission related.
Reg Liab - Other		6,973,554	6,973,554				When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax asset is retail related.
Renewable Energy Credits		4,499,519	4,499,519				Represents deferred taxes on renewable energy credits which have not been realized yet. This deferred tax asset is retail related.
FAS 109 Deferred Taxes - 190		880,089	123,212		756,876		Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related entirely to plant. These items are removed below.
Federal and State NOL		49,051,213	8,708,953		40,342,260		Represents deferred income tax asset related to federal and state net operating loss carryforwards available to offset future taxable income.
Subtotal - p24		104,214,154	41,650,189	1,513,132	43,664,612	17,386,221	
Less FASB 109 Above if not separately removed		2,175,198	304,528		1,870,671		
Less FASB 106 Above if not separately removed		7,832,517	1,096,552			6,735,964	
Total		94,206,439	40,249,109	1,513,132	41,793,941	10,650,257	

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E
- ADIT items related to labor and not in Columns C & D are included in Column F
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded
- Re: Form 1-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.e

Delmarva Power & Light Company

Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADIT- 282	A	B Total	C Gas, Prod Or Other Distribution Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
Plant Related - APB 11 Deferred Taxes		(961,794,872)	(96,179,487)		(865,615,385)		This deferred tax balance relates to plant and results from life and method differences. Related to Gas, and T & D plant.
Plant Related - FAS109 Deferred Taxes		(7,084,408)	(708,441)		(6,375,967)		Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These items are removed below.
CIAC - Non Rate Base		40,013,242	40,013,242				Deferred taxes resulting from tax basis differences in Contributions in Aid of Construction (CIAC) assets. Since CIACs are excluded from Rate Base, the related deferred income taxes are excluded as well.
Leased Vehicles - Non Rate Base		(11,082,233)	(11,082,233)				Deferred taxes resulting from tax basis differences in leased vehicles. Since leased vehicles are treated as operating leases for book purposes and not included in Rate Base, the related deferred income taxes are excluded from Rate Base as well.
FAS 109 AFUDC Equity Deferred Taxes		(9,489,059)	(948,906)		(8,540,153)		Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These items are removed below.
FAS 109 1/1/2005 Deferred Tax Balance		(7,189,563)	(718,956)		(6,470,607)		Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These items are removed below.
Subtotal - p275		(956,626,892)	(69,624,781)		(887,002,111)		
Less FASB 109 Above if not separately removed		(23,652,839)	(2,266,113)		(21,386,727)		
Less FASB 106 Above if not separately removed		-	-		-		
Total		(932,974,053)	(67,358,668)		(865,615,385)		

Instructions for Account 282:

- ADIT items related only to Non-Electric
- ADIT items related only to Transmission are directly assigned to Column D

3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are
6. Re: Form I-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. I-F, p.113.57.c

Delmarva Power & Light Company
Attachment I- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADIT-283	A	B Total	C Gas, Prod Or Other Distribution Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
Blueprint for the Future		(8,426,243)	(8,426,243)	-	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax liability is retail related.
Deferred Fuel		(1,362,107)	(1,362,107)	-	-	-	Difference between actual fuel expense as compared to the fuel expense computed in accordance with fuel adjustment clause formulas as deferred on books. In accordance with Section 162 Ordinary and Necessary Business Expenses and Section 461 Rules for Taxable year of Deduction, fuel costs are deductible in the year incurred for federal tax purposes. Rate surcharges are includable in the taxable year the underlying monthly bill is adjusted. Refunds are deductible in the taxable year that the liability is fixed and economic performance has occurred. These deferred taxes are the result of this book/tax difference. 100% Gas Related.
Deferred Fuel Interest		(5,490)	(5,490)	-	-	-	This represents deferred tax generated as a result of interest income and/or expense accrued on the deferred fuel balance for book purposes. For tax purposes, interest income is recognized when received. Interest expense is deducted for tax when paid. 100% Gas Related.
Materials Reserve		166,594	23,323	-	143,271	-	This represents deferred tax generated as a result of a deduction taken for amounts set aside in a reserve for book purposes. For tax no deduction is permitted until economic performance takes place. Impacts Gas, Transmission and Distribution.
Merger Commitment Fees		9,973,813	9,973,813	-	-	-	Deferred taxes recognized for commitments made as part of the 2016 merger with Exelon that have not been paid to date. These amounts are excluded from Rate Base.
Pension		(84,790,124)	(11,870,617)	-	-	(72,919,507)	The Company claims tax deductions for payments made to fund its Retirement Income Plan to the extent permitted under the IRC Section 415 contribution limitations. For book purposes, Pension Plan expense is recorded in accordance with SFAS 158. This deferred tax liability reflects the difference between the tax versus book deductions. It affects Company personnel across all functions.
Property Taxes		(6,833,249)	(956,655)	-	(5,876,594)	-	For book purposes, certain real estate taxes were expensed. For tax purposes, those taxes were capitalized and are being depreciated. Relates to property across all functions.
Reacquired Debt		(3,580,937)	(3,580,937)	-	-	-	Reflects the deferred taxes generated as a result of the tax deductions taken for the cost to reacquire debt. For book purposes, these amounts were recorded as an asset in account 189 and are amortized over future periods.
Reg Asset - DSM		(23,316,192)	(23,316,192)	-	-	-	For books, Demand Side Management Costs are deferred. For tax purposes, these costs are expensed when paid. These deferred taxes are the result of this book/tax difference which is retail in nature.
Reg Liab - Other		(53,022,519)	(47,941,053)	-	(160,083)	(4,921,383)	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. Relates to various functions across the Company.
Reg Asset- COPCO Acquisition Adjustment		(3,057,878)	(3,057,878)	-	-	-	Amortization of COPCO acquisition adjustment. Beginning unamortized balance \$40,456,550.00 represents recovery of the regulatory asset per Docket 9993. Order 81518, refers to MD Docket 8583, Order 71719; offset account 114000 Plant Acq Adj. Amortizing monthly. Fully amortized in 2010.
Reg Liab - Other		4,758,656	4,758,656	-	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization. These amounts are Gas and Retail related.
FAS 109 Deferred Taxes - 283		(16,073,219)	(1,540,013)	-	(14,533,204)	-	Pursuant to the requirements of FAS 109, DPL's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These items are removed below.
Subtotal - p277 (Form I-F filer: see note 6, below)		(185,568,895)	(87,301,396)	-	(20,426,610)	(77,840,890)	
Less FASB 109 Above if not separately removed		(16,073,219)	(1,540,013)	-	-	-	
Less FASB 106 Above if not separately removed				-			
Total		(169,495,676)	(88,761,381)	-	(5,893,406)	(77,840,890)	

- Instructions for Account 283:
1. ADIT items related only to Non-Electric
 2. ADIT items related only to Transmission are directly assigned to Column B
 3. ADIT items related to Plant and not in Columns C & D are included in Column E
 4. ADIT items related to labor and not in Columns C & D are included in Column F
 5. Deferred income taxes arise when items are
 6. Re: Form I-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. I-F, p.113.57.c

Delmarva Power & Light Company
Attachment I- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADITC-255	Item	Balance	Amortization	
Rate Base Treatment				
Balance to line 41 of Appendix A	Total	2,759,107	409,014	Post 1980
Amortization				
Amortization to line 133 of Appendix A	Total	441,843	82,942	Pre 1981
Total		3,200,951	491,956	
Total Form No. 1 (p 266 & 267)		3,200,951	491,956	
Difference /1	check	(0)	0	

/1 Difference must be zero

Delmarva Power & Light Company

Attachment 2 - Taxes Other Than Income Worksheet

<i>Other Taxes</i>	<i>Page 263 Col (i)</i>	<i>Allocator</i>	<i>Allocated Amount</i>
Plant Related		Gross Plant Allocator	
1 Real property (State, Municipal or Local)	24,946,438		
2 Personal property			
3 Federal/State Excise	20,664		
4			
5			
6			
Total Plant Related	24,967,102	34.9654%	8,729,850
Labor Related		Wages & Salary Allocator	
7 Federal FICA & Unemployment	3,310,753		
8 State Unemployment	134,203		
9			
10			
11			
Total Labor Related	3,444,956	7.0674%	243,470
Other Included		Gross Plant Allocator	
12 Miscellaneous	-		
Total Other Included	0	34.9654%	0
Total Included	28,412,058		8,973,320
Excluded			
13 MD State Franchise Tax	7,209,713		
14 DE Gross Receipts Tax	390,019		
15 MD Sales and Use Tax	1,500,300		
16 Sales and Use Tax - VA	409		
17 DE Public Utility Tax	6,709,568		
18 Wilmington City Franchise Tax	911,813		
19 MD Environmental Surcharge	625,289		
20 Excluded merger costs in line 7	3,268		
21 Total "Other" Taxes (included on p. 263)	45,762,438		
22 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	45,762,438		
23 Difference		(0)	

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they will not be included
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they will not be included
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year

Delmarva Power & Light Company

Attachment 3 - Revenue Credit Workpaper

Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)	1,054,049
2	Total Rent Revenues (Sum Line 1)	1,054,049
Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A	\$ 1,444,389
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	-
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner (Note 4)	979,272
6	PJM Transitional Revenue Neutrality (Note 1)	-
7	PJM Transitional Market Expansion (Note 1)	-
8	Professional Services (Note 3)	-
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	4,427,009
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	-
11	Gross Revenue Credits (Sum Lines 2-10)	7,904,719
12	Less line 17g	(740,259)
13	Total Revenue Credits	7,164,461
Revenue Adjustment to determine Revenue Credit		
14	<p>Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 173 of Appendix A.</p>	
15	<p>Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.</p>	
16	<p>Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 17a - 17g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).</p>	
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing.	1,054,049
17b	Costs associated with revenues in line 17a (Attachment 5 - Cost Support)	426,468
17c	Net Revenues (17a - 17b)	627,581
17d	50% Share of Net Revenues (17c / 2)	313,790
17e	Costs associated with revenues in line 17a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.	-
17f	Net Revenue Credit (17d + 17e)	313,790
17g	Line 17f less line 17a	(740,259)
18	Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here but not included in the total above and is explained in the Cost Support; for example revenues associated with distribution facilities. In addition, Revenues from Schedule 12 are not included in the total above to the extent they are credited under Schedule 12.	8,081,690
19	Amount offset in line 4 above	131,019,205
20	Total Account 454, 456 and 456.1	147,005,614
21	Note 4: SECA revenues booked in Account 447.	

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Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE		
	100 Basis Point increase in ROE and Income Taxes	(Line 127 + Line 138)	76,246,284
B	100 Basis Point increase in ROE		1.00%

Return Calculation

59	Rate Base		
		(Line 39 + 58)	661,661,187
Long Term Interest			
100	Long Term Interest	p117.62c through 67c	51,920,780
101	Less LTD Interest on Securitization Bonds	Attachment 8	0
102	Long Term Interest	"(Line 100 - line 101)"	51,920,780
103	Preferred Dividends	enter positive p118.29c	-
Common Stock			
104	Proprietary Capital	p112.16c	1,320,198,020
105	Less Preferred Stock	enter negative (Line 114)	0
106	Less Account 216.1	enter negative p112.12c	2,177,779
107	Common Stock	(Sum Lines 104 to 106)	1,322,375,799
Capitalization			
108	Long Term Debt	p112.17c through 21c	1,348,230,000
109	Less Loss on Reacquired Debt	enter negative p111.81c	-8,850,528
110	Plus Gain on Reacquired Debt	enter positive p113.61c	0
111	Less ADIT associated with Gain or Loss	enter negative Attachment 1	3,580,937
112	Less LTD on Securitization Bonds	enter negative Attachment 8	0
113	Total Long Term Debt	(Sum Lines 108 to 112)	1,342,960,409
114	Preferred Stock	p112.3c	0
115	Common Stock	(Line 107)	1,322,375,799
116	Total Capitalization	(Sum Lines 113 to 115)	2,665,336,208
117	Debt % Total Long Term Debt	(Line 113 / 116)	50.39%
118	Preferred % Preferred Stock	(Line 114 / 116)	0.00%
119	Common % Common Stock	(Line 115 / 116)	49.61%
120	Debt Cost Total Long Term Debt	(Line 102 / 113)	0.0387
121	Preferred Cost Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost Common Stock	(Note J from Appendix A) Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0195
124	Weighted Cost of Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common Stock	(Line 119 * 122)	0.0571
126	Total Return (R)	(Sum Lines 123 to 125)	0.0765
127	Investment Return = Rate Base * Rate of Return	(Line 59 * 126)	50,640,857

Composite Income Taxes

Income Tax Rates			
128	FIT=Federal Income Tax Rate		35.00%
129	SIT=State Income Tax Rate or Composite		8.40%
130	p (percent of federal income tax deductible for state purposes)	Per State Tax Code	0.00%
131	T $T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		40.46%
132	T / (1-T)		67.95%
ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative Attachment 1	(82,942)
134	T/(1-T)	(Line 132)	68%
135	Net Plant Allocation Factor	(Line 18)	34.7979%
136	ITC Adjustment Allocated to Transmission	(Note I from Appendix A) (Line 133 * (1 + 134) * 135)	-48,475
137	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$	25,653,903
138	Total Income Taxes	(Line 136 + 137)	25,605,427

Delmarva Power & Light Company

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
Plant Allocation Factors							
10	Accumulated Intangible Amortization	(Note A)	p200.21c	28,859,348	10,160,413	18,698,935	See Form 1
11	Accumulated Common Amortization - Electric	(Note A)	p356	17,457,635	14,194,803	3,262,832	See Form 1
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	62,162,608	50,303,636	11,858,972	See Form 1
Plant In Service							
24	Common Plant (Electric Only)	(Notes A & B)	p356	114,759,608	93,311,036	21,448,572	See Form 1
Accumulated Deferred Income Taxes							
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	3,200,951	2,889,593	311,358	See Form 1
Materials and Supplies							
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0	0	0	
Allocated General & Common Expenses							
65	Plus Transmission Lease Payments	(Note A)	p200.3.c				
67	Common Plant O&M	(Note A)	p356	0	0	0	
Depreciation Expense							
88	Intangible Amortization	(Note A)	p336.1d&e	204,779	204,779	0	See FERC Form 2, Page 337, Line 1, Column h for non-electric portion.
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	4,657,997	4,657,997	0	See Form 1, electric only.
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0	0	0	See Form 1, electric only.

Transmission / Non-transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
28	Plant Held for Future Use (Including Land)	(Note C)	p214	4,152,366	0	4,152,366	Specific identification based on plant records: The following plant investments are included: 1 2 3 4 5

CWIP & Expensed Lease Worksheet

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	CWIP In Form 1 Amount	Expensed Lease In Form 1 Amount	Details
Plant Allocation Factors							
6	Electric Plant In Service	(Note B)	p207.104g	3,573,578,506	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Service without AROs
Plant In Service							
19	Transmission Plant In Service	(Note B)	p207.58.g	1,261,704,284	0	0	See Form 1
24	Common Plant (Electric Only)	(Notes A & B)	p356	93,311,036	0	0	
Accumulated Depreciation							
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	332,794,029	0	0	See Form 1

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	EPRI Dues	Details	
Allocated General & Common Expenses							
73	Less EPRI Dues	(Note D)	p352-353	138,058	138,058	See Form 1	

Delmarva Power & Light Company

Attachment 5 - Cost Support

Regulatory Expense Related to Transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
70	Allocated General & Common Expenses Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	5,473,763	551,444	4,922,319	FERC Form 1 page 351 lines 16 (h) to 20 (h)
77	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G)	p323.189b	5,473,763	551,444	4,922,319	FERC Form 1 page 351 lines 16 (h) to 20 (h)

Safety Related Advertising Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non-safety Related	Details
81	Directly Assigned A&G General Advertising Exp Account 930.1	(Note F)	p323.191b	232,948	0	232,948	None

MultiState Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				State 1	State 2	State 3	State 4	State 5	Details
129	Income Tax Rates SIT=State Income Tax Rate or Composite	(Note I)	8.40%	MD 8.25%	PA 9.990%	VA 6%	DE 8.7%	NJ 6.50%	Enter Calculation Apportioned: DE 5.600%, MD 2.800%

Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Education & Outreach	Other	Details
78	Directly Assigned A&G General Advertising Exp Account 930.1	(Note K)	p323.191b	232,948	0	232,948	None

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
149	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities	(Note M)	Attachment 5	0	General Description of the Facilities
Instructions:				Enter \$	None
1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process				Or	
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:				Enter \$	
Example					
A Total investment in substation				1,000,000	
B Identifiable investment in Transmission (provide workpapers)				500,000	
C Identifiable investment in Distribution (provide workpapers)				400,000	
D Amount to be excluded (A x (C / (B + C)))				444,444	

Add more lines if necessary

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Outstanding Network Credits	Description of the Credits
55	Network Credits Outstanding Network Credits	(Note N)	From PJM	0	General Description of the Credits
				Enter \$	None
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0	None

Add more lines if necessary

Delmarva Power & Light Company

Attachment 5 - Cost Support

Transmission Related Account 242 Reserves

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Allocation	Transmission Related	Details
44	Transmission Related Account 242 Reserves (exclude current year environmental site related reserves)	Enter \$		Amount	
	Directly Assignable to Transmission	-	100%	-	
	Labor Related, General plant related or Common Plant related	38,191,965	7.067%	2,699,189	
	Plant Related	2,002,671	34.965%	700,242	
	Other		0.00%		
	Total Transmission Related Reserves	40,194,636		3,399,431	

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Description of the Prepayments			
45	Prepayments				
	Pension Liabilities, if any, in Account 242		Allocator	To Line 45	
			6.036%	-	
	Prepayments	\$ 13,547,579	6.036%	817,771	
	Prepaid Pensions if not included in Prepayments	\$ 209,564,502	6.036%	12,649,919	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).
		223,112,081	6.04%	13,467,690	
5	Wages & Salary Allocator		7.067%		
	Electric vs Gas		85% Based on Modified Wisconsin Method		
	Modified Wages & Salaries Allocator		6.036%		Add more lines if necessary

Extraordinary Property Loss

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Number of years	Amortization	w/ Interest
61	Less extraordinary property loss	\$ -			
62	Plus amortized extraordinary property loss		5	\$ -	\$ -

Interest on Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Interest on Network Credits	Description of the Interest on the Credits
155	Revenue Credits & Interest on Network Credits	0	General Description of the Credits
	Interest on Network Credits (Note N) PJM Data	Enter \$	None

Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Description & PJM Documentation
171	Net Revenue Requirement		
	Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515	-	Attachment 5

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		1 CP Peak	Description & PJM Documentation
173	Network Zonal Service Rate		
	1 CP Peak (Note L) PJM Data	4,126.8	See Form 1

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
DPL zone						
Total						

Delmarva Power & Light Company

Attachment 5 - Cost Support

Abandoned Transmission Plant

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			
A	Beginning Balance of Unamortized Transmission Plant	Per FERC Order	
B	Months Remaining in Amortization Period	Per FERC Order	
C	Monthly Ammortization	A/B	
D	Months in Year to be Amortized		
E	Amortization in Rate Year	C*D	Line 86a
F	Deductions		
G	End of Year Balance in Unamortized Transmission Plant	A-E-F	Line 43b

MAPP Abandonment recovery pursuant to ER13-607

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				
		DPL	Peppo	Total
171a	2013-14 rate period	\$ 9,750,649	\$ 12,725,412	\$ 22,476,061
171a	2014-15 rate period	\$ 14,666,395	\$ 16,524,210	\$ 31,190,605
171a	2015-16 rate period	\$ 12,208,522	\$ 14,624,812	\$ 26,833,334
	Total	\$ 36,625,566	\$ 43,874,434	\$ 80,500,000

Supporting documentation for FERC Form 1 reconciliation

Compliance with FERC Order on the Exelon Merger				Form 1 Amount	Merger Costs	Non Merger Related
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions						
60	Transmission O&M	p321.112.b		20,218,670	412,042	19,806,628
68	Total A&G	p323.197.b		100,112,990	16,454,806	83,658,184

ARO Exclusion - Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	ARO's	Non-ARO's	
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	ARO's	Non-ARO's	
6	Electric Plant in Service	p207.104g		3,573,578,506	2,779,329	3,570,799,177	Distribution ARO-\$2,631,341 and General & Intangible ARO-\$147,988
9	Accumulated Depreciation (Total Electric Plant)	p219.29c		888,042,146	198,265	887,843,881	Distribution ARO-\$104,232 and General ARO-\$94,033
23	General & Intangible	p205.5.g & p207.99.g		180,666,610	147,988	180,518,622	General & Intangible ARO-\$147,988
31	Accumulated General Depreciation	p219.28.c		42,498,754	94,033	42,404,721	General ARO-\$94,033

PBOP Expense in FERC 926

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Total A&G Form 1 Amount	Account 926 Form 1 Amount	PBOP in FERC 926 current rate year	PBOP in FERC 926 prior rate year	Explanation of change in PBOP in FERC 926
68	Total A&G	Total: p.323.197.b Account 926: p.323.187.b and c		100,112,990	15,229,519	(70,821)	(648,858)	The actuarially determined amount of OPEB expense in FERC 926 increased \$ 377 million from the prior year. The increase reflects \$0.3 million increase in amortization of unrecognized gain/loss from assumption changes, primarily a change in the census data and decrease in the discount rate from 4.15% in 2015 to 3.80% in 2016, \$0.5 million decrease in expected return on plan assets, offset by (\$0.4 million) decrease in interest cost. In addition, OPEB expense in FERC 926 increased by \$0.201 million due to a reduction in the amount of OPEB costs directly charged to capital or other income deduction accounts (i.e. below the line).

Attachment 3 - Revenue Credit Workpaper

17b	Costs associated with revenues in line 17a	\$	426,468
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	\$	1,054,049
	Federal Income Tax Rate		35.00%
	Federal Tax on Revenue subject to 50/50 sharing		368,917
	Net Revenue subject to 50/50 sharing		685,132
	Composite State Income Tax Rate		8.400%
	State Tax on Revenue subject to 50/50 sharing		57,551
	Total Tax on Revenue subject to 50/50 sharing	\$	426,468

Delmarva Power & Light Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	17,888,560	15,212,497	30,153,120	7,412,352	70,666,529
Procurement & Administrative Services	6,791,101	4,845,791	9,935,687	3,926,533	25,499,112
Financial Services & Corporate Expenses	19,012,271	15,407,361	29,313,579	25,623,238	89,356,449
Insurance Coverage and Services	1,053,835	1,059,259	878,771	205,181	3,197,046
Human Resources	6,163,406	4,489,926	9,197,885	4,056,693	23,907,910
Legal Services	1,989,324	1,359,614	3,911,072	7,910,660	15,170,671
Audit Services	235,790	200,263	422,964	21,511	880,528
Customer Services	55,980,435	49,006,144	49,427,135	2,578	154,416,292
Information Technology	17,486,264	13,036,712	32,166,511	1,667,441	64,356,929
External Affairs	3,335,582	2,669,671	5,057,025	694,805	11,757,083
Environmental Services	2,511,651	2,003,017	2,263,716	16,460	6,794,844
Safety Services	421,363	405,808	652,912	-	1,480,083
Regulated Electric & Gas T&D	46,285,265	36,369,629	61,044,684	1,370,583	145,070,161
Internal Consulting Services	520,648	339,645	885,335	-	1,745,628
Interns	165,014	133,506	173,225	-	471,745
Cost of Benefits	13,676,739	8,613,927	23,152,231	-	45,442,897
Building Services	91,882	116,387	4,599,613	-	4,807,882
Total	\$ 193,609,128	\$ 155,269,158	\$ 263,235,465	\$ 52,908,036	\$ 665,021,787

Name of Respondent PHI Service Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Resubmission Date (Mo, Da, Yr) / /	Year/Period of Report Dec 31, 2018
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Schedule XVII - Analysis of Billing - Associate Companies (Account 457)

1. For services rendered to associate companies (Account 457), list all of the associate companies.

Line No.	Name of Associate Company (a)	Account 457.1 Direct Costs Charged (b)	Account 457.2 Indirect Costs Charged (c)	Account 457.3 Compensation For Use of Capital (d)	Total Amount Billed (e)
1	Potomac Electric Power Company	55,777,848	207,249,778	207,839	263,235,465
2	Delmarva Power & Light Company	45,668,170	147,785,802	155,156	193,609,128
3	Atlantic City Electric Company	29,420,467	125,724,641	124,050	155,269,158
4	Exelon Business Services Company, LLC	42,660,634			42,660,634
5	Pepco Energy Services, Inc.	4,221,075	1,906,663	4,801	6,132,539
6	Pepco Holdings LLC	979,497	1,972,619	5,708	2,957,824
7	Thermal Energy Limited Partnership	4,232	407,746	522	412,500
8	ATS Operating Services, Inc.	26	167,526	192	167,744
9	Atlantic Southern Properties, Inc.	3,079	158,479	142	161,700
10	Conectiv Properties & Investments, Inc.	57	121,639	103	121,799
11	Conectiv Thermal Systems, Inc.	1,447	95,441	67	96,955
12	Conectiv, LLC	6,529	79,114	62	85,705
13	Potomac Capital Investment Corporation	29,039	36,778	114	65,931
14	Atlantic City Electric Transition Funding, LLC	37,069	7,509	40	44,618
15	ATE Investment, Inc.	87			87
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	178,809,256	485,713,735	499,796	665,021,787

Service Company Billing Analysis by Utility FERC Account
YTD Dec 2016
Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work In Progress	26,805,795	19,873,552	37,468,781	-	84,148,128	Not included
182.3	Other Regulatory Assets	4,175,575	259,524	8,595,791	-	13,030,891	Not included
184	Clearing Accounts - Other	348,794	92,274	638,660	(253,174)	826,555	Not included
408.1	Taxes other than inc taxes, utility operating inc	2,313	784	1,997	-	5,093	Not included
416-421.2	Other Income -Below the Line	892,977	789,210	1,313,427	53,161,209	56,156,823	Not included
426.1-426.5	Other Income Deductions - Below the Line	1,753,265	1,341,072	2,592,346	-	5,686,683	Not included
430	Interest-Debt to Associated Companies	182,125	145,629	244,108	-	571,862	Not included
431	Interest-Short Term Debt	(26,965)	(21,576)	(36,264)	-	(84,805)	Not included
556	System cont & load dispatch	2,775,119	2,378,381	2,624,428	-	7,777,928	Not included
557	Other expenses	1,275,792	1,012,311	1,550,758	-	3,838,861	Not included
560	Operation Supervision & Engineering	3,003,550	2,801,852	5,088,055	-	10,893,458	100% included
561	Load dispatching	-	299	-	-	299	100% included
561.1	Load Dispatching - Reliability	15,313	13,623	-	-	28,936	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	54,585	28,734	849,068	-	932,386	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	45,300	38,036	50,977	-	134,313	100% included
561.5	Reliability, Planning and Standards	340,515	334,220	131,940	-	806,676	100% included
563	Overhead line expenses	-	-	301	-	301	100% included
562	Station expenses	-	-	11,428	-	11,428	100% included
564	Underground Line Expenses - Transmission	-	-	3,084	-	3,084	100% included
566	Miscellaneous transmission expenses	1,333,901	1,161,236	1,290,926	-	3,786,062	100% included
568	Maintenance Supervision & Engineering	66,861	84,785	507,686	-	659,332	100% included
569.2	Maintenance of Computer Software	840,498	353,031	449,960	-	1,643,489	100% included
570	Maintenance of station equipment	182,130	92,896	379,724	-	654,749	100% included
571	Maintenance of overhead lines	234,450	231,176	548,094	-	1,013,720	100% included
572	Maintenance of underground lines	667	950	11,117	-	12,735	100% included
573	Maintenance of miscellaneous transmission plant	32,488	56,182	171,684	-	260,354	100% included
575.5	Ancillary services market administration	-	-	17,401	-	17,401	Not included
580	Operation Supervision & Engineering	1,001,036	471,740	1,212,741	-	2,685,517	Not included
581	Load dispatching	1,179,197	535,514	1,475,555	-	3,190,266	Not included
582	Station expenses	897,139	-	105,767	-	1,002,906	Not included
583	Overhead line expenses	95,393	229,072	47,265	-	371,730	Not included
584	Underground line expenses	34,878	-	208,396	-	243,274	Not included
585	Street lighting	4,028	-	43	-	4,071	Not included
586	Meter expenses	800,246	411,127	1,108,564	-	2,319,937	Not included
587	Customer installations expenses	346,745	299,963	893,846	-	1,540,554	Not included
588	Miscellaneous distribution expenses	5,474,825	5,527,826	9,099,689	-	20,102,340	Not included
589	Rents	60,620	2,757	64,590	-	127,967	Not included
590	Maintenance Supervision & Engineering	1,014,077	543,084	431,373	-	1,988,535	Not included
591	Maintain structures	-	-	102	-	102	Not included
592	Maintain equipment	567,892	615,945	1,111,695	-	2,295,532	Not included
593	Maintain overhead lines	1,499,072	1,123,689	1,646,212	-	4,268,974	Not included
594	Maintain underground line	195,257	80,020	610,137	-	885,414	Not included
595	Maintain line transformers	550	200	199,373	-	200,122	Not included
596	Maintain street lighting & signal systems	41,368	40,213	15,904	-	97,486	Not included
597	Maintain meters	110,587	33,666	157,207	-	301,460	Not included
598	Maintain distribution plant	32,930	13,967	560,761	-	607,659	Not included
800-894	Total Gas Accounts	2,419,540	-	-	-	2,419,540	Not included
902	Meter reading expenses	144,919	46,153	123,280	-	314,351	Not included
903	Customer records and collection expenses	51,327,401	49,920,892	48,002,627	-	149,250,920	Not included
907	Supervision - Customer Svc & Information	93,109	89,900	135,212	-	318,221	Not included
908	Customer assistance expenses	2,108,200	754,281	876,429	-	3,738,910	Not included
909	Informational & instructional advertising	204,733	204,651	306,902	-	716,286	Not included
912	Demonstrating and selling expense	140,748	-	-	-	140,748	Not included
913	Advertising expense	43,946	-	-	-	43,946	Not included
920	Administrative & General salaries	367,453	98,423	639,618	-	1,105,493	Wage & Salary Factor
921	Office supplies & expenses	5,082	4,300	6,549	-	15,931	Wage & Salary Factor
923	Outside services employed	67,081,017	56,928,796	110,924,582	-	234,934,395	Wage & Salary Factor
924	Property insurance	(3,103)	(2,499)	(4,305)	-	(9,908)	Net Plant Factor
925	Injuries & damages	467,041	359,075	751,897	-	1,578,013	Wage & Salary Factor
926	Employee pensions & benefits	7,900,160	4,233,882	12,532,015	-	24,666,057	Wage & Salary Factor
928	Regulatory commission expenses	2,081,126	592,263	2,541,328	-	5,214,716	Direct Transmission Only
929	Duplicate charges-Credit	472,389	232,352	1,387,280	-	2,092,021	Wage & Salary Factor
930.1	General ad expenses	-	-	33	-	33	Direct Transmission Only
930.2	Miscellaneous general expenses	643,418	590,393	1,134,900	-	2,368,711	Wage & Salary Factor
935	Maintenance of general plant	219,060	219,332	422,422	-	1,062,814	Wage & Salary Factor
Total		193,609,128	155,269,158	263,235,465	52,908,036	665,021,787	

Delmarva Power & Light Company

Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2004)
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)
- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
- 4 May Year 2 Post results of Step 3 on PJM web site
- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)

- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)
- 7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)
- 8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)
- 9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)
- 10 May Year 3 Post results of Step 9 on PJM web site
- 11 June Year 3 Results of Step 9 go into effect for the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)

1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2004)
117,489,078 Rev Req based on Year 1 data Must run Appendix A to get this number (without inputs in lines 20, 21 or 43a of Appendix A)

2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Monthly Additions	Monthly Additions	Monthly Additions	Monthly Additions		Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service	Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service	
	Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service	Weighting	Amount (A x E)	Amount (B x E)	Amount (C x E)	Amount (D x E)	(F / 12)	(G / 12)	(H / 12)	(I / 12)	
Jan					11.5	-	-	-	-	-	-	-	-	
Feb					10.5	-	-	-	-	-	-	-	-	
Mar					9.5	-	-	-	-	-	-	-	-	
Apr					8.5	-	-	-	-	-	-	-	-	
May					7.5	-	-	-	-	-	-	-	-	
Jun					6.5	-	-	-	-	-	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec					0.5	-	-	-	-	-	-	-	-	
Total														
New Transmission Plant Additions and CWIP (weighted by months in service)														
										Input to Line 21 of Appendix A				
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
 \$ - Input to Formula Line 21

4 May Year 2 Post results of Step 3 on PJM web site
117,489,078 Must run Appendix A to get this number (with inputs on lines 21 and 43a of Attachment A)

5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)
 \$ 117,489,078

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)
130,795,751 Rev Req based on Prior Year data Must run Appendix A to get this number (without inputs in lines 20, 21 or 43a of Appendix A)

7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)

Remove all Cap Adds placed in service in Year 2

For Reconciliation only - remove actual New Transmission Plant Additions for Year 2 \$ 67,647,085 Input to Formula Line 20

Add weighted Cap Adds actually placed in service in Year 2

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Monthly Additions Other Plant In Service	Monthly Additions Other Plant In Service	Monthly Additions MAPP CWIP	Monthly Additions MAPP In Service	Weighting	Other Plant In Service Amount (A x E)	Other Plant In Service Amount (B x E)	MAPP CWIP Amount (C x E)	MAPP In Service Amount (D x E)	Other Plant In Service (F / 12)	Other Plant In Service (G / 12)	MAPP CWIP (H / 12)	MAPP In Service (I / 12)	
Jan	132,519				11.5	1,523,973	-	-	-	126,998	-	-	-	
Feb	751,874				10.5	7,894,674	-	-	-	657,889	-	-	-	
Mar	14,435,488				9.5	137,137,139	-	-	-	11,428,095	-	-	-	
Apr	6,970,874				8.5	59,252,426	-	-	-	4,937,702	-	-	-	
May	(2,437,629)				7.5	(18,282,219)	-	-	-	(1,523,518)	-	-	-	
Jun	6,539,398				6.5	42,506,085	-	-	-	3,542,174	-	-	-	
Jul	566,301				5.5	3,114,657	-	-	-	259,555	-	-	-	
Aug	(608,102)				4.5	(2,736,458)	-	-	-	(228,038)	-	-	-	
Sep	3,408,807				3.5	11,930,826	-	-	-	994,235	-	-	-	
Oct	3,359,141				2.5	8,397,852	-	-	-	699,821	-	-	-	
Nov	9,611,440				1.5	14,417,160	-	-	-	1,201,430	-	-	-	
Dec	24,916,974				0.5	12,458,487	-	-	-	1,038,207	-	-	-	
Total	67,647,085					277,614,601	-	-	-	23,134,550	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										23,134,550	-	-	-	
										23,134,550	-	-	23,134,550	
										Input to Line 21 of Appendix A				
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	7.90	#DIV/0!	#DIV/0!	#DIV/0!

126,809,866 Result of Formula for Reconciliation Must run Appendix A with cap adds in line 21 & line 20
(Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)

8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Monthly Additions Other Plant In Service	Monthly Additions Other Plant In Service	Monthly Additions MAPP CWIP	Monthly Additions MAPP In Service	Weighting	Other Plant In Service Amount (A x E)	Other Plant In Service Amount (B x E)	MAPP CWIP Amount (C x E)	MAPP In Service Amount (D x E)	Other Plant In Service (F / 12)	Other Plant In Service (G / 12)	MAPP CWIP (H / 12)	MAPP In Service (I / 12)	
Jan					11.5	-	-	-	-	-	-	-	-	
Feb					10.5	-	-	-	-	-	-	-	-	
Mar					9.5	-	-	-	-	-	-	-	-	
Apr					8.5	-	-	-	-	-	-	-	-	
May					7.5	-	-	-	-	-	-	-	-	
Jun					6.5	-	-	-	-	-	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec	2,741,565				0.5	1,370,783	-	-	-	114,232	-	-	-	
Total	2,741,565					1,370,783	-	-	-	114,232	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										114,232	-	-	-	
										114,232	-	-	114,232	
										0				
										Input to Line 21 of Appendix A				
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	11.50	#DIV/0!	#DIV/0!	#DIV/0!

130,763,416

9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

The Reconciliation in Step 7		The forecast in Prior Year		
126,809,866	-	126,365,783	=	444,084

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of

0.3000%

Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	37,007	0.3000%	11.5	1,277	38,284
Jul	Year 1	37,007	0.3000%	10.5	1,166	38,173
Aug	Year 1	37,007	0.3000%	9.5	1,055	38,062
Sep	Year 1	37,007	0.3000%	8.5	944	37,951
Oct	Year 1	37,007	0.3000%	7.5	833	37,840
Nov	Year 1	37,007	0.3000%	6.5	722	37,729
Dec	Year 1	37,007	0.3000%	5.5	611	37,618
Jan	Year 2	37,007	0.3000%	4.5	500	37,507
Feb	Year 2	37,007	0.3000%	3.5	389	37,396
Mar	Year 2	37,007	0.3000%	2.5	278	37,285
Apr	Year 2	37,007	0.3000%	1.5	167	37,174
May	Year 2	37,007	0.3000%	0.5	56	37,062
Total		444,084				452,077

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	452,077	0.3000%	38,412	415,022
Jul	Year 2	415,022	0.3000%	38,412	377,855
Aug	Year 2	377,855	0.3000%	38,412	340,577
Sep	Year 2	340,577	0.3000%	38,412	303,187
Oct	Year 2	303,187	0.3000%	38,412	265,685
Nov	Year 2	265,685	0.3000%	38,412	228,070
Dec	Year 2	228,070	0.3000%	38,412	190,342
Jan	Year 3	190,342	0.3000%	38,412	152,502
Feb	Year 3	152,502	0.3000%	38,412	114,547
Mar	Year 3	114,547	0.3000%	38,412	76,479
Apr	Year 3	76,479	0.3000%	38,412	38,297
May	Year 3	38,297	0.3000%	38,412	-
Total with interest				460,941	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest 460,941

Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8)	\$	130,763,416
Revenue Requirement for Year 3		131,224,357

10 May Year 3 lts of Step 9 on PJM web site
\$ 131,224,357

11 June Year 3 r the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)
\$ 131,224,357

Delmarva Power & Light Company

Attachment 7 - Transmission Enhancement Charge Worksheet

1	New Plant Carrying Charge			
2	Fixed Charge Rate (FCR) if not a CIAC			
3	Formula Line			
4	A	160	Net Plant Carrying Charge without Depreciation	10.652%
5	B	167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation	11.245%
6	C		Line B less Line A	0.5935%
7	FCR if a CIAC			
8	D	161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	3.0370%

**The FCR resulting from Formula in a given year is used for that year only.
Therefore actual revenues collected in a year do not change based on cost data for subsequent years**

The ROE is 10.5% which includes a base ROE of 10.0% ROE per FERC order in Docket No. EL13-48 and a 50 basis point RTO membership adder as authorized by FERC; provided, that the projects identified in Docket Nos. ER08-686 and ER08-1423 hav

"Yes" if a project under PJM OATT Schedule 12, otherwise "No"
Useful life of project
"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 18, Otherwise "No"
Input the allowed ROE Incentive
From line 4 above if "No" on line 14 and From line 8 above if "Yes" on line 14
Line 6 times line 15 divided by 100 basis points
Columns A, B or C from Attachment 6
Line 18 divided by line 13
From Columns H, I or J from Attachment 6

Details		B0241.3 Red Lion sub reconfiguration				B0494.1-4 Red Lion-Keeney				B0241.1-.2 Red Lion-Keeney				B0567 Mt.Pleasant-Townsend			
Schedule 12 (Yes or No)	Life	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
CIAC (Yes or No)		No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Increased ROE (Basis Points)		150	150	150	150	150	150	150	150	150	150	150	150	150	150		
Base FCR		10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%	10.6516%		
FCR for This Project		11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%	11.5419%		
Investment		14,689,101	3,099,104	2,418,717	6,414,723	14,689,101	3,099,104	2,418,717	6,414,723	14,689,101	3,099,104	2,418,717	6,414,723	14,689,101	3,099,104		
Annual Depreciation Exp		419,689	88,546	69,106	183,278	419,689	88,546	69,106	183,278	419,689	88,546	69,106	183,278	419,689	88,546		
Month In Service or Month for CWIP		6.00	6.00	6.00	6	6.00	6.00	6.00	6	6.00	6.00	6.00	6	6.00	6.00		
Invest Yr	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	
Base FCR 2017	11,541,437	419,689	11,121,748	1,604,330	2,435,010	88,546	2,346,464	338,481	1,900,421	69,106	1,831,314	264,170	5,223,417	183,278	5,040,140	720,132	
W Increased ROE 2017	11,541,437	419,689	11,121,748	1,703,349	2,435,010	88,546	2,346,464	359,372	1,900,421	69,106	1,831,314	280,475	5,223,417	183,278	5,040,140	765,006	
Base FCR 2018	11,121,748	419,689	10,702,059	1,559,626	2,346,464	88,546	2,257,919	329,050	1,831,314	69,106	1,762,208	256,809	5,040,140	183,278	4,856,862	700,610	
W Increased ROE 2018	11,121,748	419,689	10,702,059	1,654,909	2,346,464	88,546	2,257,919	349,152	1,831,314	69,106	1,762,208	272,498	5,040,140	183,278	4,856,862	743,852	
Base FCR 2019	10,702,059	419,689	10,282,371	1,514,923	2,257,919	88,546	2,169,373	319,618	1,762,208	69,106	1,693,102	249,448	4,856,862	183,278	4,673,584	681,088	
W Increased ROE 2019	10,702,059	419,689	10,282,371	1,606,469	2,257,919	88,546	2,169,373	338,933	1,762,208	69,106	1,693,102	264,522	4,856,862	183,278	4,673,584	722,698	
Base FCR 2020	10,282,371	419,689	9,862,682	1,470,220	2,169,373	88,546	2,080,827	310,187	1,693,102	69,106	1,623,996	242,087	4,673,584	183,278	4,490,306	661,566	
W Increased ROE 2020	10,282,371	419,689	9,862,682	1,558,029	2,169,373	88,546	2,080,827	328,713	1,693,102	69,106	1,623,996	256,546	4,673,584	183,278	4,490,306	701,544	
Base FCR 2021	9,862,682	419,689	9,442,994	1,425,516	2,080,827	88,546	1,992,281	300,755	1,623,996	69,106	1,554,890	234,726	4,490,306	183,278	4,307,028	642,044	
W Increased ROE 2021	9,862,682	419,689	9,442,994	1,509,589	2,080,827	88,546	1,992,281	318,493	1,623,996	69,106	1,554,890	248,570	4,490,306	183,278	4,307,028	680,391	
Base FCR 2022	9,442,994	419,689	9,023,305	1,380,813	1,992,281	88,546	1,903,735	291,324	1,554,890	69,106	1,485,783	227,366	4,307,028	183,278	4,123,751	622,522	
W Increased ROE 2022	9,442,994	419,689	9,023,305	1,461,149	1,992,281	88,546	1,903,735	308,273	1,554,890	69,106	1,485,783	240,594	4,307,028	183,278	4,123,751	659,237	
Base FCR 2023	9,023,305	419,689	8,603,616	1,336,109	1,903,735	88,546	1,815,189	281,892	1,485,783	69,106	1,416,677	220,005	4,123,751	183,278	3,940,473	603,000	
W Increased ROE 2023	9,023,305	419,689	8,603,616	1,412,709	1,903,735	88,546	1,815,189	298,053	1,485,783	69,106	1,416,677	232,618	4,123,751	183,278	3,940,473	638,083	
Base FCR 2024	8,603,616	419,689	8,183,928	1,291,406	1,815,189	88,546	1,726,644	272,461	1,416,677	69,106	1,347,571	212,644	3,940,473	183,278	3,757,195	583,478	
W Increased ROE 2024	8,603,616	419,689	8,183,928	1,364,269	1,815,189	88,546	1,726,644	287,833	1,416,677	69,106	1,347,571	224,641	3,940,473	183,278	3,757,195	616,929	
Base FCR 2025	8,183,928	419,689	7,764,239	1,246,702	1,726,644	88,546	1,638,098	263,029	1,347,571	69,106	1,278,465	205,283	3,757,195	183,278	3,573,917	563,956	
W Increased ROE 2025	8,183,928	419,689	7,764,239	1,315,829	1,726,644	88,546	1,638,098	277,613	1,347,571	69,106	1,278,465	216,665	3,757,195	183,278	3,573,917	595,776	
Base FCR 2026	7,764,239	419,689	7,344,551	1,201,999	1,638,098	88,546	1,549,552	253,598	1,278,465	69,106	1,209,359	197,922	3,573,917	183,278	3,390,639	544,434	
W Increased ROE 2026	7,764,239	419,689	7,344,551	1,267,389	1,638,098	88,546	1,549,552	267,394	1,278,465	69,106	1,209,359	208,689	3,573,917	183,278	3,390,639	574,622	
Base FCR 2027	7,344,551	419,689	6,924,862	1,157,295	1,549,552	88,546	1,461,006	244,166	1,209,359	69,106	1,140,252	190,561	3,390,639	183,278	3,207,362	524,912	
W Increased ROE 2027	7,344,551	419,689	6,924,862	1,218,949	1,549,552	88,546	1,461,006	257,174	1,209,359	69,106	1,140,252	200,713	3,390,639	183,278	3,207,362	553,468	
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BO272.1 Keeney 500kV Sub				BO751 Keeney - Additional Breakers on 500kV Bus				BO566 Trappe Tap - Todd				BO733 Harmony Add 2nd 230/138 Auto Tr				B1247 Glasgow - Cecil 138 kV Circuit Rebuild				
Yes				Yes				No				No				No				
35				35				35				35				35				
No				No				No				No				No				
0				0				150				0				0				
10.6516%				10.6516%				10.6516%				10.6516%				10.6516%				
10.6516%				10.6516%				11.5419%				10.6516%				10.6516%				
217,662				5,055,041				16,372,433				10,567,349				7,246,743				
6,219				144,430				467,784				301,924				207,050				
6				6				12				4				5				
Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Total
189,677	6,219	183,458	25,760	4,405,107	144,430	4,260,677	598,259	14,501,298	467,784	14,033,514	1,962,574	9,460,293	301,924	9,158,369	1,277,435	6,375,939	207,050	6,168,889	864,134	\$ 10,157,735
189,677	6,219	183,458	25,760	4,405,107	144,430	4,260,677	598,259	14,501,298	467,784	14,033,514	2,087,518	9,460,293	301,924	9,158,369	1,277,435	6,375,939	207,050	6,168,889	864,134	\$ 10,674,560
183,458	6,219	177,239	25,098	4,260,677	144,430	4,116,248	582,875	14,033,514	467,784	13,565,730	1,912,748	9,158,369	301,924	8,856,445	1,245,275	6,168,889	207,050	5,961,839	842,080	\$ 9,888,708
183,458	6,219	177,239	25,098	4,260,677	144,430	4,116,248	582,875	14,033,514	467,784	13,565,730	2,033,526	9,158,369	301,924	8,856,445	1,245,275	6,168,889	207,050	5,961,839	842,080	\$ 10,387,075
177,239	6,219	171,020	24,435	4,116,248	144,430	3,971,818	567,491	13,565,730	467,784	13,097,946	1,862,921	8,856,445	301,924	8,554,521	1,213,115	5,961,839	207,050	5,754,789	820,025	\$ 9,619,681
177,239	6,219	171,020	24,435	4,116,248	144,430	3,971,818	567,491	13,565,730	467,784	13,097,946	1,979,535	8,856,445	301,924	8,554,521	1,213,115	5,961,839	207,050	5,754,789	820,025	\$ 10,099,591
171,020	6,219	164,801	23,773	3,971,818	144,430	3,827,388	552,107	13,097,946	467,784	12,630,163	1,813,095	8,554,521	301,924	8,252,596	1,180,956	5,754,789	207,050	5,547,739	797,971	\$ 9,350,654
171,020	6,219	164,801	23,773	3,971,818	144,430	3,827,388	552,107	13,097,946	467,784	12,630,163	1,925,544	8,554,521	301,924	8,252,596	1,180,956	5,754,789	207,050	5,547,739	797,971	\$ 9,812,106
164,801	6,219	158,582	23,110	3,827,388	144,430	3,682,958	536,723	12,630,163	467,784	12,162,379	1,763,269	8,252,596	301,924	7,950,672	1,148,796	5,547,739	207,050	5,340,690	775,917	\$ 9,081,627
164,801	6,219	158,582	23,110	3,827,388	144,430	3,682,958	536,723	12,630,163	467,784	12,162,379	1,871,553	8,252,596	301,924	7,950,672	1,148,796	5,547,739	207,050	5,340,690	775,917	\$ 9,524,622
158,582	6,219	152,363	22,448	3,682,958	144,430	3,538,529	521,339	12,162,379	467,784	11,694,595	1,713,442	7,950,672	301,924	7,648,748	1,116,636	5,340,690	207,050	5,133,640	753,863	\$ 8,812,600
158,582	6,219	152,363	22,448	3,682,958	144,430	3,538,529	521,339	12,162,379	467,784	11,694,595	1,817,562	7,950,672	301,924	7,648,748	1,116,636	5,340,690	207,050	5,133,640	753,863	\$ 9,237,137
152,363	6,219	146,144	21,786	3,538,529	144,430	3,394,099	505,955	11,694,595	467,784	11,226,811	1,663,616	7,648,748	301,924	7,346,824	1,084,477	5,133,640	207,050	4,926,590	731,809	\$ 8,543,573
152,363	6,219	146,144	21,786	3,538,529	144,430	3,394,099	505,955	11,694,595	467,784	11,226,811	1,763,571	7,648,748	301,924	7,346,824	1,084,477	5,133,640	207,050	4,926,590	731,809	\$ 8,949,653
146,144	6,219	139,926	21,123	3,394,099	144,430	3,249,669	490,571	11,226,811	467,784	10,759,027	1,613,790	7,346,824	301,924	7,044,899	1,052,317	4,926,590	207,050	4,719,540	709,755	\$ 8,274,546
146,144	6,219	139,926	21,123	3,394,099	144,430	3,249,669	490,571	11,226,811	467,784	10,759,027	1,709,580	7,346,824	301,924	7,044,899	1,052,317	4,926,590	207,050	4,719,540	709,755	\$ 8,662,168
139,926	6,219	133,707	20,461	3,249,669	144,430	3,105,239	475,187	10,759,027	467,784	10,291,244	1,563,963	7,044,899	301,924	6,742,975	1,020,157	4,719,540	207,050	4,512,490	687,701	\$ 8,005,519
139,926	6,219	133,707	20,461	3,249,669	144,430	3,105,239	475,187	10,759,027	467,784	10,291,244	1,655,589	7,044,899	301,924	6,742,975	1,020,157	4,719,540	207,050	4,512,490	687,701	\$ 8,374,684
133,707	6,219	127,488	19,798	3,105,239	144,430	2,960,810	459,803	10,291,244	467,784	9,823,460	1,514,137	6,742,975	301,924	6,441,051	987,998	4,512,490	207,050	4,305,441	665,647	\$ 7,736,492
133,707	6,219	127,488	19,798	3,105,239	144,430	2,960,810	459,803	10,291,244	467,784	9,823,460	1,601,597	6,742,975	301,924	6,441,051	987,998	4,512,490	207,050	4,305,441	665,647	\$ 8,087,199
127,488	6,219	121,269	19,136	2,960,810	144,430	2,816,380	444,419	9,823,460	467,784	9,355,676	1,464,311	6,441,051	301,924	6,139,127	955,838	4,305,441	207,050	4,098,391	643,593	\$ 7,467,465
127,488	6,219	121,269	19,136	2,960,810	144,430	2,816,380	444,419	9,823,460	467,784	9,355,676	1,547,606	6,441,051	301,924	6,139,127	955,838	4,305,441	207,050	4,098,391	643,593	\$ 7,799,715



Incentive Charged	Revenue Credit
\$ 10,674,560	\$ 10,157,735
\$ 10,387,075	\$ 9,888,708
\$ 10,099,591	\$ 9,619,681
\$ 9,812,106	\$ 9,350,654
\$ 9,524,622	\$ 9,081,627
\$ 9,237,137	\$ 8,812,600
\$ 8,949,653	\$ 8,543,573
\$ 8,662,168	\$ 8,274,546
\$ 8,374,684	\$ 8,005,519
\$ 8,087,199	\$ 7,736,492
\$ 7,799,715	\$ 7,467,465
\$ -	\$ -
\$ 225,364,990	\$ 216,433,001

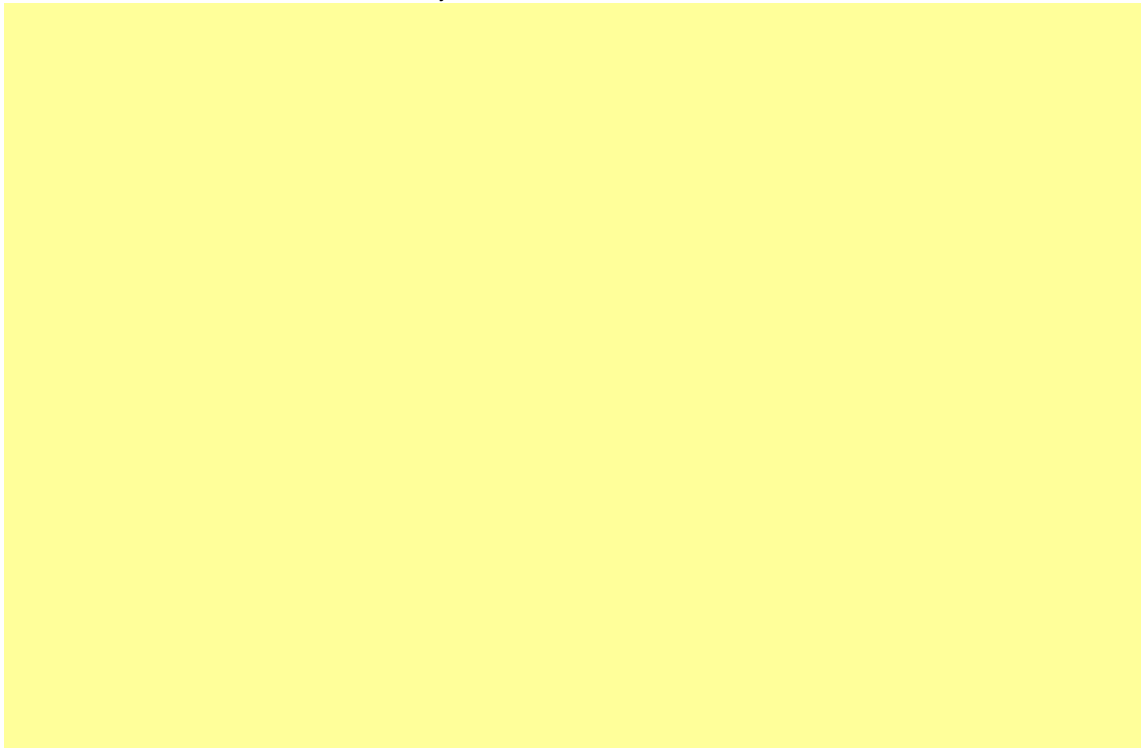
Delmarva Power & Light Company

Attachment 8 - Company Exhibit - Securitization Workpaper

Line #

	Long Term Interest		
101	Less LTD Interest on Securitization Bonds		0
	Capitalization		
112	Less LTD on Securitization Bonds		0

Calculation of the above Securitization Adjustments





An Exelon Company

Amy L. Blauman
Assistant General Counsel

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May 12, 2017

Ms. Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E. Room 1A
Washington, DC 20426

Re: Potomac Electric Power Company ("Pepco"), Docket No. ER09-1159
Informational Filing of 2017 Formula Rate Annual Update;
Notice of Annual Meeting

Dear Ms. Bose,

Pepco hereby submits electronically, for informational purposes, its 2017 Annual Formula Rate Update. On November 3, 2015, the Commission approved an uncontested settlement agreement ("Settlement") filed in Docket Nos. EL13-48, *et al.*¹ Formula Rate implementation protocols contained in the Settlement provide that:

[o]n or before May 15 of each year, Pepco [Potomac Electric Power Company] shall recalculate its Annual Transmission Revenue Requirements, producing an "Annual Update" for the upcoming Rate Year, and:

- (i) cause such Annual Update to be posted at a publicly accessible location on PJM's internet website;
- (ii) cause notice of such posting to be provided to PJM's membership; and
- (iii) file such Annual Update with the FERC as an informational filing.²

The same information contained in this informational filing has been transmitted to PJM for posting on its website as required by the Formula Rate implementation

¹ Baltimore Gas and Electric Company, *et al.*, 153 FERC ¶ 61,140 (2015).

² See Settlement, Exhibit A containing PJM Tariff Attachment H9-B, Section 2.b.

protocols. Thus, all interested parties should have ample notice of and access to the Annual Update. The protocols provide specific procedures for notice, review, exchanges of information and potential challenges to aspects of the Annual Update. Consequently, and as the Commission has concluded, there is no need for the Commission to notice this informational filing for comment.³

Pepco's 2017 Annual Update contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7).

Pepco has made no accounting changes as defined in the Settlement (and any accounting changes, including accounting policy harmonization changes related to the merger between Exelon and Pepco Holdings, Inc., are discussed in applicable disclosure statements filed within the Securities and Exchange Commission Form 10-K and within the FERC Form No. 1).⁴ Pepco has made no change to Other Post-Employment Benefits ("OPEB") charges that exceed the filing threshold set forth in the Settlement.⁵

Thank you for your attention to this informational filing. Please direct any questions to the undersigned.

Very truly yours,

/s/ Amy L. Blauman
Amy L. Blauman

Enclosures

cc: All parties on Service Lists in Docket Nos. ER05-515, EL13-48 and EL15-27.

³ See Letter Order Re: Annual Update to Formula Rate in Docket No. ER09-1159 (February 17, 2010).

⁴ See Settlement, Exhibit A containing PJM Tariff Attachment H9-B, Section 2.f.(iii)(d). Accounting entries related to the merger between Exelon and Pepco Holdings, Inc. were approved by FERC in Docket AC16-203 on March 17, 2017 and April 11, 2017.

⁵ See Settlement, Exhibit A containing PJM Tariff Attachment H9-B, Section 2.h.

ATTACHMENT H-9A

Potomac Electric Power Company		Notes	FERC Form 1 Page # or Instruction	2016
Formula Rate -- Appendix A				
Shaded cells are input cells				
Allocators				
1	Wages & Salary Allocation Factor Transmission Wages Expense		p354.21b	\$ 7,467,634
2	Total Wages Expense		p354.28b	\$ 79,740,443
3	Less A&G Wages Expense		p354.27b	\$ 5,699,292
4	Total		(Line 2 - 3)	74,041,151
5	Wages & Salary Allocator		(Line 1 / 4)	10.0858%
Plant Allocation Factors				
6	Electric Plant In Service	(Note B)	p207.104g (See attachment 5)	\$ 7,863,187,376
7	Common Plant In Service - Electric		(Line 24)	0
8	Total Plant In Service		(Sum Lines 6 & 7)	7,863,187,376
9	Accumulated Depreciation (Total Electric Plant)		p219.29c See attachment 5)	\$ 2,795,412,790
10	Accumulated Intangible Amortization	(Note A)	p200.21c	\$ 24,139,690
11	Accumulated Common Amortization - Electric	(Note A)	p356	0
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	0
13	Total Accumulated Depreciation		(Sum Lines 9 to 12)	2,819,552,480
14	Net Plant		(Line 8 - 13)	5,043,634,896
15	Transmission Gross Plant		(Line 29 - Line 28)	1,382,595,907
16	Gross Plant Allocator		(Line 15 / 8)	17.5831%
17	Transmission Net Plant		(Line 39 - Line 28)	919,998,730
18	Net Plant Allocator		(Line 17 / 14)	18.2408%
Plant Calculations				
Plant In Service				
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 1,350,012,628
20	For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year	For Reconciliation Only	Attachment 6 - Enter Negative	0
21	New Transmission Plant Additions for Current Calendar Year (weighted by months in service)		Attachment 6	-
22	Total Transmission Plant In Service		(Line 19 - 20 + 21)	1,350,012,628
23	General & Intangible		p205.5.g & p207.99.g (see attachment 5)	323,061,289
24	Common Plant (Electric Only)	(Notes A & B)	p356	0
25	Total General & Common		(Line 23 + 24)	323,061,289
26	Wage & Salary Allocation Factor		(Line 5)	10.08579%
27	General & Common Plant Allocated to Transmission		(Line 25 * 26)	32,583,279
28	Plant Held for Future Use (Including Land)	(Note C)	p214	0
29	TOTAL Plant In Service		(Line 22 + 27 + 28)	1,382,595,907
Accumulated Depreciation				
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	446,584,194
31	Accumulated General Depreciation		p219.28.c (see attachment 5)	134,628,093
32	Accumulated Intangible Amortization		(Line 10)	24,139,690
33	Accumulated Common Amortization - Electric		(Line 11)	0
34	Common Plant Accumulated Depreciation (Electric Only)		(Line 12)	0
35	Total Accumulated Depreciation		(Sum Lines 31 to 34)	158,767,783
36	Wage & Salary Allocation Factor		(Line 5)	10.08579%
37	General & Common Allocated to Transmission		(Line 35 * 36)	16,012,983
38	TOTAL Accumulated Depreciation		(Line 30 + 37)	462,597,177
39	TOTAL Net Property, Plant & Equipment		(Line 29 - 38)	919,998,730
Adjustment To Rate Base				
Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109		Attachment 1	-285,030,378
41	Accumulated Investment Tax Credit Account No. 255		p266.h	0
42	Net Plant Allocation Factor	Enter Negative (Notes A & I)	(Line 18)	18.24%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	-285,030,378
43a	Transmission Related CWIP (Current Year 12 Month weighted average balances)	(Note B)	p216.43.b as Shown on Attachment 6	0
43b	Unamortized Abandoned Transmission Plant		Attachment 5	0
Transmission O&M Reserves				
44	Total Balance Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	-8,118,097
Prepayments				
45	Prepayments	(Note A)	Attachment 5	34,993,068
46	Total Prepayments Allocated to Transmission		(Line 45)	34,993,068
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0
48	Wage & Salary Allocation Factor		(Line 5)	10.09%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	6,029,857
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	6,029,857
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 85)	49,575,161
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	6,196,895
Network Credits				
55	Outstanding Network Credits	(Note N)	From PJM	0
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0
57	Net Outstanding Credits		(Line 55 - 56)	0
58	TOTAL Adjustment to Rate Base		(Line 43 + 43a + 43b + 44 + 46 + 51 + 54 - 57)	-245,928,655
59	Rate Base		(Line 39 + 58)	674,070,075

O&M

Transmission O&M			
60	Transmission O&M	p321.112.b (see attachment 5)	34,618,797
61	Less extraordinary property loss	Attachment 5	0
62	Plus amortized extraordinary property loss	Attachment 5	0
63	Less Account 565	p321.96.b	0
64	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	PJM Data	0
65	Plus Transmission Lease Payments	p200.3.c	0
66	Transmission O&M	(Lines 60 - 63 + 64 + 65)	34,618,797
Allocated General & Common Expenses			
67	Common Plant O&M	(Note A) p356	0
68	Total A&G	p323.197.b (see attachment 5)	154,289,750
68a	For informational purposes: PBOB expense in FERC Account 926	(Note S) Attachment 5	1,882,600
69	Less Property Insurance Account 924	p323.185b	1,196,655
70	Less Regulatory Commission Exp Account 928	(Note E) p323.189b	7,678,105
71	Less General Advertising Exp Account 930.1	p323.191b	710,861
72	Less DE Enviro & Low Income and MD Universal Funds	p335.b	0
73	Less EPRI Dues	(Note D) p352-353	268,651
74	General & Common Expenses	(Lines 67 + 68) - Sum (69 to 73)	144,435,478
75	Wage & Salary Allocation Factor	(Line 5)	10.0858%
76	General & Common Expenses Allocated to Transmission	(Line 74 * 75)	14,567,457
Directly Assigned A&G			
77	Regulatory Commission Exp Account 928	(Note G) p323.189b	170,628
78	General Advertising Exp Account 930.1	(Note K) p323.191b	0
79	Subtotal - Transmission Related	(Line 77 + 78)	170,628
80	Property Insurance Account 924	p323.185b	1,196,655
81	General Advertising Exp Account 930.1	(Note F) p323.191b	0
82	Total	(Line 80 + 81)	1,196,655
83	Net Plant Allocation Factor	(Line 18)	18.24%
84	A&G Directly Assigned to Transmission	(Line 82 * 83)	218,279
85	Total Transmission O&M	(Line 66 + 76 + 79 + 84)	49,575,161

Depreciation & Amortization Expense

Depreciation Expense			
86	Transmission Depreciation Expense	p336.7b&c	29,797,770
86a	Amortization of Abandoned Transmission Plant	Attachment 5	0
87	General Depreciation	p336.10b&c	10,477,088
88	Intangible Amortization	(Note A) p336.1d&e	520,766
89	Total	(Line 87 + 88)	10,997,854
90	Wage & Salary Allocation Factor	(Line 5)	10.0858%
91	General Depreciation Allocated to Transmission	(Line 89 * 90)	1,109,220
92	Common Depreciation - Electric Only	(Note A) p336.11.b	0
93	Common Amortization - Electric Only	(Note A) p356 or p336.11d	0
94	Total	(Line 92 + 93)	0
95	Wage & Salary Allocation Factor	(Line 5)	10.0858%
96	Common Depreciation - Electric Only Allocated to Transmission	(Line 94 * 95)	0
97	Total Transmission Depreciation & Amortization	(Line 86 + 86a + 91 + 96)	30,906,990

Taxes Other than Income

98	Taxes Other than Income	Attachment 2	10,473,214
99	Total Taxes Other than Income	(Line 98)	10,473,214

Return / Capitalization Calculations

Long Term Interest			
100	Long Term Interest	p117.62c through 67c	125,334,120
101	Less LTD Interest on Securitization Bonds	(Note P) Attachment 8	0
102	Long Term Interest	*(Line 100 - line 101)*	125,334,120
103	Preferred Dividends	enter positive p118.29c	-
Common Stock			
104	Proprietary Capital	p112.16c	\$ 2,299,750,147
105	Less Preferred Stock	(Line 114)	0
106	Less Account 216.1	enter negative p112.12c	-1,646,367
107	Common Stock	(Sum Lines 104 to 106)	2,298,103,780
Capitalization			
108	Long Term Debt	p112.17c through 21c	2,341,845,195
109	Less Loss on Reacquired Debt	p111.81c	-17,208,914
110	Plus Gain on Reacquired Debt	enter positive p113.61c	0
111	Less ADIT associated with Gain or Loss	enter negative Attachment 1	6,895,614
112	Less LTD on Securitization Bonds	(Note P) enter negative Attachment 8	0
113	Total Long Term Debt	(Sum Lines 108 to 112)	2,331,531,895
114	Preferred Stock	p112.3c	0
115	Common Stock	(Line 107)	2,298,103,780
116	Total Capitalization	(Sum Lines 113 to 115)	4,629,635,675
117	Debt %	Total Long Term Debt (Line 113 / 116)	50%
118	Preferred %	(Line 114 / 116)	0%
119	Common %	(Line 115 / 116)	50%
120	Debt Cost	Total Long Term Debt (Line 102 / 113)	0.0538
121	Preferred Cost	(Line 103 / 114)	0.0000
122	Common Cost	(Note J) Fixed	0.1050
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 117 * 120)	0.0271
124	Weighted Cost of Preferred	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	(Line 119 * 122)	0.0521
126	Total Return (R)	(Sum Lines 123 to 125)	0.0792
127	Investment Return = Rate Base * Rate of Return	(Line 59 * 126)	53,381,672

Composite Income Taxes

Income Tax Rates			
128	FIT=Federal Income Tax Rate		35.00%
129	SIT=State Income Tax Rate or Composite	(Note I)	7.80%
130	p	(percent of federal income tax deductible for state purposes)	0.00%
131	T	$T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$	40.07%
132	T/ (1-T)		66.86%
ITC Adjustment			
133	Amortized Investment Tax Credit	(Note I) enter negative	-175,359
134	T/(1-T)	p266.8f (Line 132)	66.86%
135	Net Plant Allocation Factor	(Line 18)	18,240.8%
136	ITC Adjustment Allocated to Transmission	(Line 133 * (1 + 134) * 135)	-53,374
137	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$	[Line 132 * 127 * (1-(123 / 126))] 23,490,498
138	Total Income Taxes	(Line 136 + 137)	23,437,125

REVENUE REQUIREMENT

Summary			
139	Net Property, Plant & Equipment	(Line 39)	919,998,730
140	Adjustment to Rate Base	(Line 58)	-245,928,655
141	Rate Base	(Line 59)	674,070,075
142	O&M	(Line 85)	49,575,161
143	Depreciation & Amortization	(Line 97)	30,906,990
144	Taxes Other than Income	(Line 99)	10,473,214
145	Investment Return	(Line 127)	53,381,672
146	Income Taxes	(Line 138)	23,437,125
147	Gross Revenue Requirement	(Sum Lines 142 to 146)	167,774,162
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service	(Line 19)	1,350,012,628
149	Excluded Transmission Facilities	(Note M) Attachment 5	0
150	Included Transmission Facilities	(Line 148 - 149)	1,350,012,628
151	Inclusion Ratio	(Line 150 / 148)	100.00%
152	Gross Revenue Requirement	(Line 147)	167,774,162
153	Adjusted Gross Revenue Requirement	(Line 151 * 152)	167,774,162
Revenue Credits & Interest on Network Credits			
154	Revenue Credits	Attachment 3	4,983,403
155	Interest on Network Credits	(Note N) PJM Data	-
156	Net Revenue Requirement	(Line 153 - 154 + 155)	162,790,759
Net Plant Carrying Charge			
157	Net Revenue Requirement	(Line 156)	162,790,759
158	Net Transmission Plant	(Line 19 - 30)	903,428,434
159	Net Plant Carrying Charge	(Line 157 / 158)	18.0192%
160	Net Plant Carrying Charge without Depreciation	(Line 157 - 86) / 158	14.7209%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	(Line 157 - 86 - 127 - 138) / 158	6.2179%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Net Revenue Requirement Less Return and Taxes	(Line 156 - 145 - 146)	85,971,962
163	Increased Return and Taxes	Attachment 4	82,402,002
164	Net Revenue Requirement per 100 Basis Point increase in ROE	(Line 162 + 163)	168,373,964
165	Net Transmission Plant	(Line 19 - 30)	903,428,434
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE	(Line 164 / 165)	18.6372%
167	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	(Line 163 - 86) / 165	15.3389%
168	Net Revenue Requirement	(Line 156)	162,790,759
169	True-up amount	Attachment 6	2,129,048
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects	Attachment 7	1,174,986
171	Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515	Attachment 5	-
171a	MAPP Abandonment recovery pursuant to ER13-607	Attachment 5	-
172	Net Zonal Revenue Requirement	(Line 168 - 169 + 171)	166,094,793
Network Zonal Service Rate			
173	1 CP Peak	(Note L) PJM Data	6,584
174	Rate (\$/MW-Year)	(Line 172 / 173)	25,229
175	Network Service Rate (\$/MW/Year)	(Line 174)	25,229

Notes

- A Electric portion only
- B Exclude Construction Work In Progress and leases that are expensed as O&M (rather than amortized). New Transmission plant that is expected to be placed in service in the current calendar year weighted by number of months it is expected to be in-service. New Transmission plant expected to be placed in service in the current calendar year that is not included in the PJM Regional Transmission Plan (RTEP) must be separately detailed on Attachment 5. For the Reconciliation, new transmission plant that was actually placed in service weighted by the number of months it was actually in service CWP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Transmission Portion Only
- D All EPRI Annual Membership Dues
- E All Regulatory Commission Expenses
- F Safety related advertising included in Account 930.1
- G Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- I The currently effective income tax rate, where FIT is the Federal income tax rate, SIT is the State income tax rate, and $p =$ "the percentage of federal income tax deductible for state income taxes". If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to use amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by $(1/1-T)$. A utility must not include tax credits as a reduction to rate base and as an amortization against taxable income.

The ROE is 10.5% which includes a base ROE of 10.0% ROE per FERC order in Docket No. EL13-48 and a 50 basis point RTO membership adder as authorized by FERC; provided, that the projects identified in Docket Nos. ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- J ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.
- K Education and outreach expenses relating to transmission, for example siting or billing
- L As provided for in Section 34.1 of the PJM OATT and the PJM established billing determinants will not be revised or updated in the annual rate reconciliations per settlement in ER05-515.
- M Amount of transmission plant excluded from rates per Attachment 5.
- N Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments (net of accumulated depreciation) towards the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A. Interest on the Network Credits as booked each year is added to the revenue requirement to make the Transmission Owner whole on Line 155.
- O Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M. If they are booked to Acct 565, they are included in on line 64
- P **Securitization bonds may be included in the capital structure per settlement in ER05-515.**
- Q ACE capital structure is initially fixed at 50% common equity and 50% debt per settlement in ER05-515 subject to moratorium provisions in the settlement.
- R **Per the settlement in ER05-515, the facility credits of \$15,000 per month paid to Vineland will increase to \$37,500 per month (prorated for partial months) effective on the date FERC approves the settlement in ER05-515.**
- S **See Attachment 5 - Cost Support, section entitled "PBOP Expense in FERC Account 926" for additional information per FERC orders in Docket Nos. EL13-48 , EL15-27 and ER16-456.**

Potomac Electric Power Company

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

	Only Transmission Related	Plant Related	Labor Related	Total ADIT
ADIT- 282	0	(1,580,475,234)	0	
ADIT-283	(219,592)	(9,835,879)	(153,766,278)	
ADIT-190	2,211,054	29,248,946	29,453,118	
Subtotal	1,991,462	(1,561,062,168)	(124,313,160)	
Wages & Salary Allocator			10.0858%	
Gross Plant Allocator		17.5831%		
ADIT	1,991,462	(274,483,878)	(12,537,963)	(285,030,378)

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 111 Amount (6,895,614)

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-E and each separate ADIT item will be listed, dissimilar items with amounts exceeding \$100,000 will be listed separately.

A ADIT-190	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
Deferred Compensation	1,798,843	-	-	-	1,798,843	For book purposes, deferred compensation and deferred payments are expensed when accrued. For tax purposes, they are deducted when paid. Affects Company personnel across all functions.
Allowance for Doubtful Accounts	11,917,000	11,917,000	-	-	-	Under the Tax Reform Act of 1986, taxpayers are required to account for bad debts using the specific write-off method. The reserve method is used for book purposes. This amount represents the deferred tax asset related to the add-back of book reserves for tax purposes. This deferred tax asset is retail related. These accrued liabilities are all related to labor. For book purposes the liabilities are accrued with an offset to book expense. For tax purposes, a deduction is not allowed until the liability is paid. Related to Transmission and Distribution.
Accrued Liabilities	27,654,275	-	-	-	27,654,275	For book purposes an environmental reserve is established with an offset to book expense for future environmental costs to be paid for clean-up. For tax purposes, no deduction is allowed until the environmental liability is paid. Relates to the retail function.
Environmental Expense	9,910,995	9,910,995	-	-	-	
Charitable Contribution Carryforward	5,917,992	5,917,992	-	-	-	Pepco is in a net operating loss carryforward position, therefore, Pepco's charitable contributions are carried forward until such time as Pepco or its Parent company can use them in its consolidated federal income tax return. For book purposes, the contributions are expensed when incurred. Charitable contributions are not included in Operating Income and any related deferred income taxes are excluded from Rate Base.
Capital Loss Limitation	91,757	91,757	-	-	-	Tax capital losses are limited to the amount of tax capital gains.
FAS 106 OPEB Adjustment	17,313,285	-	-	-	17,313,285	FAS No. 106 requires accrual basis instead of cash basis accounting for post retirement health care and life insurance benefits for book purposes. Amounts paid to participants or funded through the VEBA or 401(h) accounts are currently deductible for tax purposes. Affects Company personnel across all functions.
Regulatory Liabilities	1,893,755	1,893,755	-	-	-	When a regulatory asset/liability is established, books credits/debits income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax asset is retail related.
FAS 109 - Deferred Taxes on ITC	842,365	-	-	842,365	-	Pursuant to the requirements of FAS 109, Pepco's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These amounts are removed below.
FAS 109 - Regulatory Liability	563,217	-	-	563,217	-	Pursuant to the requirements of FAS 109, Pepco's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These amounts are removed below.
Regulatory Liability - FERC Formula Rate True-up	2,211,054	-	2,211,054	-	-	For book purposes, a regulatory liability has been established for the FERC Formula Rate Filing true-up and book income has been decreased. For tax purposes, this regulatory liability is not recognized and the book expense must be reversed. 100% Transmission related.
Federal & State NOL	33,286,838	4,037,892	-	29,248,946	-	Represents deferred income tax assets related to federal and state net operating loss carryforwards available to offset future taxable income. Related to both Transmission and Distribution.
Other 190 Deferred Taxes	5,753,783	5,753,783	-	-	-	Miscellaneous temporary differences including DC Gross Receipts Tax and Sales and Use Tax. All retail related. Deferred taxes recognized for commitments made as part of the 2016 merger with Exelon that have not been paid by year-end. These amounts are excluded from Rate Base.
Merger Commitment Deferrals	33,164,647	33,164,647	-	-	-	Represents deferred taxes on estimated book interest expense on prior year taxes not deductible for tax purposes until paid.
Interest on Contingent Taxes	(337,210)	(337,210)	-	-	-	
Subtotal - p234	151,982,596	72,350,611	2,211,054	30,654,528	46,766,403	
Less FASB 109 Above if not separately removed	1,405,582	-	-	1,405,582	-	
Less FASB 106 Above if not separately removed	17,313,285	-	-	-	17,313,285	
Total	133,263,729	72,350,611	2,211,054	29,248,946	29,453,118	

Instructions for Account 190:
 1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
 2. ADIT items related only to Transmission are directly assigned to Column D
 3. ADIT items related to Plant and not in Columns C & D are included in Column E
 4. ADIT items related to labor and not in Columns C & D are included in Column F
 5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded
 6. Re: Form 1-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A ADIT- 282	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
Plant Related Deferred Taxes	(1,580,475,234)	-	-	(1,580,475,234)	-	This deferred tax balance relates to the life and method differences on property related items for book and tax. Related to Transmission and Distribution.
FAS109 AFUDC Equity	(32,001,393)	-	-	(32,001,393)	-	Under SFAS 109, deferred income taxes must be provided on all book/tax temporary differences, including AFUDC-Equity. Deferred income taxes on AFUDC-Equity are not recognized for Regulatory purposes and are excluded from Rate Base. These amounts are removed below.
CIAC - Non Rate Base	67,937,805	67,937,805	-	-	-	Contributions in Aid of Construction (CIAC) are a reduction to Plant for book accounting purposes, but are included in taxable income and depreciated for income tax purposes. This different book/tax treatment results in deferred income taxes which must be recorded in accordance with SFAS 109. The Company collects an income tax gross-up from the customer which is reimbursement for the time value of money on the additional tax liability incurred until such time as the amounts are fully depreciated for tax purposes. The deferred income tax asset on CIAC's is excluded from Rate Base because the underlying plant is not included in Rate Base.

Leased Vehicles - Non Rate Base	(9,347,886)	(9,347,886)	-	-	-	The Company leases its vehicles under arrangements that are treated as Operating Leases for book purposes, but financing leases for tax purposes. The differing income tax treatment between Rent Expense deducted for book purposes and tax depreciation expense deducted for income tax purposes, results in deferred income taxes being recorded on the books. Since Leased Vehicles are not included in Rate Base, the deferred income taxes are being Pursuant to the requirements of FAS 109, Pepco's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. These amounts are removed below.
Plant Related - FAS109 Deferred Taxes	(61,297,165)			(61,297,165)		
Subtotal - p275 (Form 1-F filer: see note 6 below)	(1,615,183,873)	58,589,919	-	(1,673,773,792)	-	
Less FASB 109 Above if not separately removed	(93,298,558)	-	-	(93,298,558)	-	
Less FASB 106 Above if not separately removed	-	-	-	-	-	
Total	(1,521,885,315)	58,589,919	-	(1,580,475,234)	-	

Instructions for Account 282:
1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded
6. Re: Form 1-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

Deferred Income Taxes (ADIT) Worksheet

ADIT-283	A	B	C	D	E	F	G
	Total	Gas, Prod Or Other	Transmission	Plant	Labor		Justification
	Related	Related	Related	Related	Related		
Reacquired Debt	(6,895,614)	(6,895,614)	-	-	-	-	The cost of bond redemption is deductible currently for tax purposes and is amortized over the life of the bond issue for book purposes. Related to all functions. Excluded here since it is included in Cost of Debt.
Maryland Property Taxes	(9,835,879)	-	-	(9,835,879)	-	-	For book purposes, the MD property taxes are accrued over the fiscal year. For tax purposes payments are deducted when paid based on the lien date. Relates to both Transmission and Distribution.
Prepaid Interest	(597,149)	-	-	-	(597,149)	-	For book purposes, prepaid expenses, which related to a future period but are paid in the current period, must be capitalized and amortized to the balance sheet as an asset. For tax purposes, there is "12-month rule" which allows taxpayers that meet the 12-month rule to currently deduct the amount, as long as the benefits does not extend beyond 12 months. The prepaid interest relates to the Life Insurance plans, that is why this is labor related.
Prepayments	(90,575)	-	-	-	(90,575)	-	For book purposes, prepaid expenses, which related to a future period but are paid in the current period, must be capitalized and amortized to the balance sheet as an asset. For tax purposes, there is "12-month rule" which allows taxpayers that meet the 12-month rule to currently deduct the amount, as long as the benefits does not extend beyond 12 months. Relates to Transmission and Distribution.
Regulatory Asset - Blueprint	(2,675,985)	(2,675,985)	-	-	-	-	When a regulatory asset/liability is established, books credits/debits income, which for tax purposes needs to be reversed along with the associated amortization. This deferred tax asset is Retail related.
Regulatory Asset - DSM	(102,174,466)	(102,174,466)	-	-	-	-	For books, Demand Side Management Costs are deferred. For tax these costs are expensed when paid. These deferred taxes are the result of this book/tax difference which is retail in nature.
Regulatory Asset - FERC Formula Rate True-up	(219,592)	-	(219,592)	-	-	-	For book purposes, a regulatory asset has been established for the FERC Formula Rate Filing true-up and book income has been increased. For tax purposes, this regulatory asset is not recognized and the book income must be reversed. This item is 100% Transmission related.
Regulatory Assets	(94,130,958)	(80,314,478)	-	-	(13,816,480)	-	For book purposes, regulatory assets are established with an increase to book income. For tax purposes the regulatory assets are not recognized and book income is reversed. These deferred tax assets are both Retail and Transmission and Distribution related.
Pension Plan Contribution	(139,262,074)	-	-	-	(139,262,074)	-	The Company claims tax deductions for payments made to fund its Retirement Income Plan to the extent permitted under the IRC Section 415 contribution limitations. For book purposes, pension plan expense is recorded in accordance with SFAS 158. This deferred tax liability reflects the difference between the tax versus book deductions. It affects Company personnel across all functions.
FAS 109 - Regulatory Asset Gross-up	(68,957,064)	-	-	(68,957,064)	-	-	Pursuant to the requirements of FAS 109, Pepco's accumulated deferred taxes must encompass all timing differences regardless of whether the difference is normalized or flowed-through. These balances primarily represent the deferred taxes on prior flow-through items, including the amount of the required gross-up necessary for full recovery of the prior flow-through amount. Related to all plant. This amount is removed below.
Subtotal - p277 (Form 1-F filer: see note 6, below)	(424,839,356)	(192,060,543)	(219,592)	(78,792,943)	(153,766,278)		
Less FASB 109 Above if not separately removed	(68,957,064)	-	-	(68,957,064)	-	-	
Less FASB 106 Above if not separately removed	-	-	-	-	-	-	
Total	(355,882,292)	(192,060,543)	(219,592)	(9,835,879)	(153,766,278)		

Instructions for Account 283:
1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADIT items related only to Transmission are directly assigned to Column D
3. ADIT items related to Plant and not in Columns C & D are included in Column E
4. ADIT items related to labor and not in Columns C & D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded
6. Re: Form 1-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

ADITC-255

	Item	Balance	Amortization
1	Rate Base Treatment		
2	Balance to line 41 of Appendix A	Total	
3	Amortization		
4	Amortization to line 133 of Appendix A	Total	2,102,230 175,359
5	Total	2,102,230	175,359
6	Total Form No. 1 (p 266 & 267)	Form No. 1 balance (p	2,102,230 175,359
7	Difference /1	-	-

Potomac Electric Power Company

Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	Page 263 Col (i)	Allocator	Allocated Amount
Plant Related			
		Gross Plant Allocator	
1 Transmission Personal Property Tax (directly assigned to Transmission)	\$ 9,678,878	100%	\$ 9,678,878
1a Other Personal Property Tax (excluded)	\$ 31,687,391	0%	\$ -
2 Capital Stock Tax		17.5831%	\$ -
3 Gross Premium (insurance) Tax		17.5831%	\$ -
4 PURTA		17.5831%	\$ -
5 Corp License		17.5831%	\$ -
Total Plant Related	41,366,269		9,678,878
Labor Related			
		Wages & Salary Allocator	
6 Federal FICA & Unemployment & state unemployment	\$ 7,765,692		
Total Labor Related	7,765,692	10.0858%	783,231
Other Included			
		Gross Plant Allocator	
7 Miscellaneous	63,153		
Total Other Included	63,153	17.5831%	11,104
Total Included			10,473,214
Currently Excluded			
8 MD Franchise Tax	25,169,282		
9 MD Environmental Surcharge	2,083,279		
10 MD Universal Surcharge	8,257,072		
11 MD Montgomery County Fuel	142,203,709		
12 MD PSC Assessment	2,424,528		
13 MD Sales & Use Tax	3,662,329		
14 MD Real Property Taxes	611,119		
15 DC PSC Assessment	6,918,400		
16 DC Delivery Tax	86,059,995		
17 DC Real Property Tax	6,042,595		
18 DC Business Improvement Tax	127,933		
19 DC Ballpark	16,500		
20 DC Right-of-Way	23,263,533		
21 DC RETF, SETF and EATF Funds	17,677,245		
22 DC Sales and Use Tax	229,647		
23 VA Property Taxes	536,215		
24 Misc. Other	0		
24.1 Excluded merger costs in line 6	1,061		
25 Total "Other" Taxes (included on p. 263)	374,479,555		
26 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	374,479,555		
27 Difference		(0)	

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they will not be included
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they will not be included
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year

**Allocation of Property taxes to
Transmission Function
Year Ended December 31, 2016**

Assessable Plant

Transmission	\$ 972,935,801
Distribution	\$ 3,084,077,389
General	\$ 177,851,610
Total T,D&Genl	<u>\$ 4,234,864,800</u>

Plant ratios by Jurisdiction

Transmission Ratio	0.2297442414
Distribution ratio	0.7282587602
General Ratio	0.0419969985
	<u>1.0000000000</u>

Property Taxes \$ 41,366,269

Transmission Property Tax	\$ 9,503,662
Distribution Property tax	\$ 30,125,348
General Property Tax	\$ 1,737,259
Total check	<u>\$ 41,366,269</u>

General Property Tax	\$ 1,737,259
Trans Labor Ratio	10.086%
Trans General	175,216

<u>Total Transmission Property Taxes</u>	
Transmission	\$ 9,503,662
General	\$ 175,216
Total Transmission Property Taxes	<u>\$ 9,678,878</u>

Potomac Electric Power Company

Attachment 3 - Revenue Credit Workpaper

Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)	10,527,171
2	Total Rent Revenues (Sum Lines 1)	10,527,171
 Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A	\$ 598,388
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner (Note 4)	1,230,548
6	PJM Transitional Revenue Neutrality (Note 1)	
7	PJM Transitional Market Expansion (Note 1)	
8	Professional Services (Note 3)	-
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	-
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	-
11	Gross Revenue Credits (Sum Lines 2-10)	12,356,107
12	Less line 17g	(7,372,704)
13	Total Revenue Credits	4,983,403
 Revenue Adjustment to determine Revenue Credit		
14	Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 173 of Appendix A.	
15	Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.	
16	Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 17a - 17g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).	
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing.	10,527,171
17b	Costs associated with revenues in line 17a Attachment 5 - Cost Support	4,218,237
17c	Net Revenues (17a - 17b)	6,308,934
17d	50% Share of Net Revenues (17c / 2)	3,154,467
17e	Costs associated with revenues in line 17a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.	-
17f	Net Revenue Credit (17d + 17e)	3,154,467
17g	Line 17f less line 17a	(7,372,704)
18	Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here but not included in the total above and is explained in the Cost Support; for example revenues associated with distribution facilities. In addition, Revenues from Schedule 12 are not included in the total above to the extent they are credited under Schedule 12.	74,970,563
19	Amount offset in line 4 above	158,595,459
20	Total Account 454, 456 and 456.1	245,922,129
21	Note 4: SECA revenues booked in Account 447.	

Potomac Electric Power Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE 100 Basis Point increase in ROE and Income Taxes	(Line 127 + Line 138)	82,402,002
B	100 Basis Point increase in ROE		1.00%

Return Calculation

59	Rate Base		(Line 39 + 58)	674,070,075
	Long Term Interest			
100	Long Term Interest		p117.62c through 67c	125,334,120
101	Less LTD Interest on Securitization E(Note P)		Attachment 8	0
102	Long Term Interest		"(Line 100 - line 101)"	125,334,120
103	Preferred Dividends	enter positive	p118.29c	0
	Common Stock			
104	Proprietary Capital		p112.16c	2,299,750,147
105	Less Preferred Stock	enter negative	(Line 114)	0
106	Less Account 216.1	enter negative	p112.12c	-1,646,367
107	Common Stock		(Sum Lines 104 to 106)	2,298,103,780
	Capitalization			
108	Long Term Debt		p112.17c through 21c	2,341,845,195
109	Less Loss on Reacquired Debt	enter negative	p111.81c	-17,208,914
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	6,895,614
112	Less LTD on Securitization Bonds	enter negative	Attachment 8	0
113	Total Long Term Debt		(Sum Lines 108 to 112)	2,331,531,895
114	Preferred Stock		p112.3c	0
115	Common Stock		(Line 107)	2,298,103,780
116	Total Capitalization		(Sum Lines 113 to 115)	4,629,635,675
117	Debt %	Total Long Term Debt	(Line 113 / 116)	50%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0%
119	Common %	Common Stock	(Line 115 / 116)	50%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0538
121	Preferred Cost	Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost	Common Stock	Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0271
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0571
126	Total Return (R)		(Sum Lines 123 to 125)	0.0842
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	56,727,687

Composite Income Taxes

	Income Tax Rates			
128	FIT=Federal Income Tax Rate			35.00%
129	SIT=State Income Tax Rate or Composite			7.80%
130	p = percent of federal income tax deductible for state purposes		Per State Tax Code	0.00%
131	T	$T=1 - \frac{((1 - SIT) * (1 - FIT))}{(1 - SIT * FIT * p)}$		40.07%
132	T/ (1-T)			66.86%
	ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative	p266.8f	(175,359)
134	T/(1-T)		(Line 132)	67%
135	Net Plant Allocation Factor		(Line 18)	18.2408%
136	ITC Adjustment Allocated to Transmission	(Note I from Appendix A)	(Line 133 * (1 + 134) * 135)	-53,374
137	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$		25,727,689
138	Total Income Taxes			25,674,315

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
10	Plant Allocation Factors						
	Accumulated Intangible Amortization	(Note A)	p200.21c	\$ 24,139,690	24,139,690	0	Respondent is Electric Utility only.
11	Accumulated Common Amortization - Electric	(Note A)	p356	0	0	0	
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	0	0	0	
	Plant In Service						
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	
	Accumulated Deferred Income Taxes						
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	\$ 2,102,230	2,102,230	0	Respondent is Electric Utility only.
	Materials and Supplies						
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	\$ -	0	0	Respondent is Electric Utility only.
	Allocated General & Common Expenses						
65	Plus Transmission Lease Payments	(Note A)	p200.3.c				
67	Common Plant O&M	(Note A)	p356	0	0	0	
	Depreciation Expense						
88	Intangible Amortization	(Note A)	p336.1d&e	\$ 520,766	520,766	0	Respondent is Electric Utility only.
92	Common Depreciation - Electric Only	(Note A)	p336.11 b	0	0	0	
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0	0	0	

Transmission / Non-transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
28	Plant Held for Future Use (Including Land)	(Note C)	p214	\$ 55,989,068	0	55,989,068	Specific identification based on plant records: The following plant investments are included: 1 2 3 4 5

CWIP & Expensed Lease Worksheet

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	CWIP In Form 1 Amount	Expensed Lease in Form 1 Amount	Details
	Plant Allocation Factors						
6	Electric Plant In Service	(Note B)	p207.104g	\$ 7,865,536,284	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Service without AROs
	Plant In Service						
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 1,350,012,628	0	0	See Form 1
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	
	Accumulated Depreciation						
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	\$ 446,584,194	0	0	See Form 1

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	EPRI Dues	Details
	Allocated General & Common Expenses					
73	Less EPRI Dues	(Note D)	p352-353	\$ 268,651	268,651	See Form 1

Potomac Electric Power Company

Attachment 5 - Cost Support

Regulatory Expense Related to Transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
70	Allocated General & Common Expenses Less Regulatory Commission Exp Account 928 Directly Assigned A&G	(Note E)	p323.189b	\$ 7,678,105	170,628	7,507,477	FERC Form 1 page 351.1 line 15, 17 and 20, transmission related only.
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	\$ 7,678,105	170,628	7,507,477	FERC Form 1 page 351.1 line 15, 17 and 20, transmission related only.

Safety Related Advertising Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non-safety Related	Details
81	Directly Assigned A&G General Advertising Exp Account 930.1	(Note F)	p323.191b	\$ 710,861	-	710,861	None

MultiState Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				State 1	State 2	State 3	State 4	State 5	Details
129	Income Tax Rates SIT=State Income Tax Rate or Composite	(Note I)	7.80%	Maryland 8.25%	DC 9.000%	Enter State Enter %	Enter State Enter %	Enter State Enter %	Enter Calculation Apportioned: MD 4.50%, DC 3.30%

Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Education & Outreach	Other	Details
78	Directly Assigned A&G General Advertising Exp Account 930.1	(Note K)	p323.191b	\$ 710,861	0	710,861	None

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
149	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities	(Note M)	Attachment 5	0	General Description of the Facilities
Instructions:				Enter \$	None
1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process					
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:				Or	
Example				Enter \$	
A Total investment in substation				1,000,000	
B Identifiable investment in Transmission (provide workpapers)				500,000	
C Identifiable investment in Distribution (provide workpapers)				400,000	
D Amount to be excluded (A x (C / (B + C)))				444,444	

Add more lines if necessary

Potomac Electric Power Company

Attachment 5 - Cost Support

Transmission Related Account 242 Reserves

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Total	Allocation	Transmission Related	Details
				Enter \$		Amount	
44	Transmission Related Account 242 Reserves (exclude current year environmental site related reserves)						
	Directly Assignable to Transmission			-	100%	-	
	Labor Related, General plant related or Common Plant related			75,738,498	10.09%	7,638,825	
	Plant Related			2,725,749	17.58%	479,272	
	Other				0.00%	-	
	Total Transmission Related Reserves			78,464,247		8,118,097	

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Description of the Prepayments			
45	Prepayments			To Line 45			
5	Wages & Salary Allocator			10.086%			
	Pension Liabilities, if any, in Account 242			10.086%			
	Prepayments - DC ROW	\$ 4,497,086		0.000%	\$ -	Prepayments related to DC ROW	
	Prepayments	\$ 24,487,027		23.398%	5,729,474	Prepayments related to Transmission Personal Property Tax. See "Prop taxes to function" worksheet for total Transmission assessible plant factor (total transmission property taxes/total property taxes).	
	Prepayments - Transmission Personal Property Tax	\$ 2,599,879		10.086%	262,218	Remaining balance of Prepayments	
	Prepaid Pensions if not included in Prepayments	\$ 287,546,935		10.086%	29,001,376	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).	
		314,633,842			34,993,068		

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Outstanding Network Credits	Description of the Credits
Network Credits				Enter \$	
55	Outstanding Network Credits	(Note N)	From PJM	0	General Description of the Credits
					None
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0	None
					None

Add more lines if necessary

Extraordinary Property Loss

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Amount	Number of years	Amortization	w/ Interest
61	Less extraordinary property loss		Attachment 5	\$ -			
62	Plus amortized extraordinary property loss		Attachment 5	\$ -	5	\$ -	\$ -

Attachment 5 - Cost Support

Interest on Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Interest on Network Credits	Description of the Interest on the Credits
155	Revenue Credits & Interest on Network Credits Interest on Network Credits	(Note N)	PJM Data	0	General Description of the Credits
				Enter \$	None
Add more lines if necessary					

Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Amount	Description & PJM Documentation
171	Net Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT and Facility Credits to Vineland per settlement in ER05-515			-	

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				1 CP Peak	Description & PJM Documentation
173	Network Zonal Service Rate 1 CP Peak	(Note L)	PJM Data	6,583.6	See Form 1

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
Pepco zone				-	-	-
Total				-	-	-

Abandoned Transmission Plant

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			
A	Beginning Balance of Unamortized Transmission Plant	Per FERC Order	
B	Months Remaining in Amortization Period	Per FERC Order	
C	Monthly Ammortization	A/B	
D	Months in Year to be Amortized		
E	Amortization in Rate Year	C*D	Line 86a
F	Deductions		
G	End of Year Balance in Unamortized Transmission Plant	A-E-F	Line 43b

MAPP Abandonment recovery pursuant to ER13-607

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				DPL	Pepco	Total	
171a	2013-14 rate period	\$	9,750,649	\$	12,725,412	\$	22,476,061
171a	2014-15 rate period	\$	14,666,395	\$	16,524,210	\$	31,190,605
171a	2015-16 rate period	\$	12,208,522	\$	14,624,812	\$	26,833,334
	Total	\$	36,625,566	\$	43,874,434	\$	80,500,000

Attachment 5 - Cost Support

Brandywine Fly Ash Landfill Environmental Expenses

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			
Step 9	Attachment 6 - Estimate and Reconciliation Worksheet - Footnote 1	\$	(2,617,572)
<p>Pepco shall make a negative adjustment to its transmission revenue requirement in its 2015 Annual Update in the amount of \$2,617,572, to offset the \$2,617,572 of Brandywine fly ash landfill environmental expenses included in Pepco's 2014 Annual Update ("2013 Brandywine Fly Ash Expenses"). Pepco shall not include the 2013 Brandywine Fly Ash Expenses in a future Annual Update while recovery of such expenses is being pursued from a party outside of the PJM Tariff, but once Pepco is no longer pursuing recovery of such expenses outside of the PJM Tariff, Pepco may include such costs in a future Annual Update to the extent such expenses have not been recovered outside of the PJM Tariff, subject to SMECO's right to challenge such inclusion at that time on any grounds permitted pursuant to Attachment H-9, including the Formula Rate Implementation Protocols, as though the costs had been included in the 2014 Annual Update. Any payments to Pepco for its 2013 Brandywine Fly Ash Expenses shall not be included in any Pepco Annual Update.</p>			

Supporting documentation for FERC Form 1 reconciliation

Compliance with FERC Order on the Exelon Merger						
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions						
				Form 1 Amount	Merger Costs	Non Merger Related
60	Transmission O&M	p321.112.b		35,263,040	644,243	34,618,797
68	Total A&G	p323.197.b		183,061,480	28,771,730	154,289,750

ARO Exclusion - Cost Support							
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions							
				Form 1 Amount	ARO's	Non-ARO's	
				Form 1 Amount	ARO's	Non-ARO's	
6	Electric Plant in Service	p207.104g		7,865,536,284	2,348,908	7,863,187,376	Distribution ARO-\$2,065,535 and General & Intangible ARO-\$283,373
9	Accumulated Depreciation (Total Electric Plant)	p219.29c		2,795,668,047	255,257	2,795,412,790	Distribution ARO-\$95,616 and General ARO-\$159,641
23	General & Intangible	p205.5.g & p207.99.g		323,344,662	283,373	323,061,289	General & Intangible ARO-\$283,373
31	Accumulated General Depreciation	p219.28.c		134,787,734	159,641	134,628,093	General ARO-\$159,641

PBOP Expense in FERC 926								
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions								
				Total A&G Form 1 Amount	Account 926 Form 1 Amount	PBOP in FERC 926 current rate year	PBOP in FERC 926 prior rate year	Explanation of change in PBOP in FERC 926
68	Total A&G	Total: p.323.197.b Account 926: p.323.187.b and c		183,061,480	32,396,514	1,882,600	2,002,643	The actuarially determined amount of OPEB expense in FERC 926 decreased \$.467 million from the prior year: this decrease is driven by (\$0.3 million) decrease in amortization of unrecognized gain/loss from assumption changes, primarily a change in the census data and decrease in the discount rate from 4.15% in 2015 to 3.80% in 2016, (\$0.7 million) decrease in interest cost, (\$0.1 million) decrease in in service cost, offset by \$0.6 million decrease in expected return on plan assets. This decrease was offset by a \$0.347 million decrease in OPEB costs directly charged to capital or other income deduction accounts (i.e. below the line).

Attachment 3 - Revenue Credit Workpaper

17b	Costs associated with revenues in line 17a	\$	4,218,237
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	\$	10,527,171
	Federal Income Tax Rate		35.00%
	Federal Tax on Revenue subject to 50/50 sharing		3,684,510
	Net Revenue subject to 50/50 sharing		6,842,661
	Composite State Income Tax Rate		7.800%
	State Tax on Revenue subject to 50/50 sharing		533,728
	Total Tax on Revenue subject to 50/50 sharing	\$	4,218,237

Potomac Electric Power Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	17,888,560	15,212,497	30,153,120	7,412,352	70,666,529
Procurement & Administrative Services	6,791,101	4,845,791	9,935,687	3,926,533	25,499,112
Financial Services & Corporate Expenses	19,012,271	15,407,361	29,313,579	25,623,238	89,356,449
Insurance Coverage and Services	1,053,835	1,059,259	878,771	205,181	3,197,046
Human Resources	6,163,406	4,489,926	9,197,885	4,056,693	23,907,910
Legal Services	1,989,324	1,359,614	3,911,072	7,910,660	15,170,671
Audit Services	235,790	200,263	422,964	21,511	880,528
Customer Services	55,980,435	49,006,144	49,427,135	2,578	154,416,292
Information Technology	17,486,264	13,036,712	32,166,511	1,667,441	64,356,929
External Affairs	3,335,582	2,669,671	5,057,025	694,805	11,757,083
Environmental Services	2,511,651	2,003,017	2,263,716	16,460	6,794,844
Safety Services	421,363	405,808	652,912		1,480,083
Regulated Electric & Gas T&D	46,285,265	36,369,629	61,044,684	1,370,583	145,070,161
Internal Consulting Services	520,648	339,645	885,335		1,745,628
Interns	165,014	133,506	173,225		471,745
Cost of Benefits	13,676,739	8,613,927	23,152,231		45,442,897
Building Services	91,882	116,387	4,599,613		4,807,882
Total	\$ 193,609,128	\$ 155,269,158	\$ 263,235,465	\$ 52,908,036	\$ 665,021,787

Name of Respondent PHI Service Company	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Resubmission Date (Mo, Da, Yr) / /	Year/Period of Report Dec 31, 2016
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Schedule XVII - Analysis of Billing - Associate Companies (Account 457)

1. For services rendered to associate companies (Account 457), list all of the associate companies.

Line No.	Name of Associate Company (a)	Account 457.1 Direct Costs Charged (b)	Account 457.2 Indirect Costs Charged (c)	Account 457.3 Compensation For Use of Capital (d)	Total Amount Billed (e)
1	Potomac Electric Power Company	55,777,848	207,249,778	207,839	263,235,465
2	Delmarva Power & Light Company	45,668,170	147,785,802	155,156	193,609,128
3	Atlantic City Electric Company	29,420,467	125,724,641	124,050	155,269,158
4	Exelon Business Services Company, LLC	42,660,634			42,660,634
5	Pepco Energy Services, Inc.	4,221,075	1,906,663	4,801	6,132,539
6	Pepco Holdings LLC	979,497	1,972,619	5,708	2,957,824
7	Thermal Energy Limited Partnership	4,232	407,746	522	412,500
8	ATS Operating Services, Inc.	26	167,526	192	167,744
9	Atlantic Southern Properties, Inc.	3,079	158,479	142	161,700
10	Conectiv Properties & Investments, Inc.	57	121,639	103	121,799
11	Conectiv Thermal Systems, Inc.	1,447	95,441	67	96,955
12	Conectiv, LLC	6,529	79,114	62	85,705
13	Potomac Capital Investment Corporation	29,039	36,778	114	65,931
14	Atlantic City Electric Transition Funding, LLC	37,069	7,509	40	44,618
15	ATE Investment, Inc.	87			87
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	178,809,256	485,713,735	498,796	665,021,787

Service Company Billing Analysis by Utility FERC Account

YTD Dec 2016

Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work In Progress	26,805,795	19,873,552	37,468,781	-	84,148,128	Not included
182.3	Other Regulatory Assets	4,175,575	259,524	8,595,791	-	13,030,891	Not included
184	Clearing Accounts - Other	348,794	92,274	638,660	(253,174)	826,555	Not included
408.1	Taxes other than inc taxes, utility operating inc	2,313	784	1,997	-	5,093	Not included
416-421.2	Other Income -Below the Line	892,977	789,210	1,313,427	53,161,209	56,156,823	Not included
426.1-426.5	Other Income Deductions - Below the Line	1,753,265	1,341,072	2,592,346	-	5,686,683	Not included
430	Interest-Debt to Associated Companies	182,125	145,629	244,108	-	571,862	Not included
431	Interest-Short Term Debt	(26,965)	(21,576)	(36,264)	-	(84,805)	Not included
556	System cont & load dispatch	2,775,119	2,378,381	2,624,428	-	7,777,928	Not included
557	Other expenses	1,275,792	1,012,311	1,550,758	-	3,838,861	Not included
560	Operation Supervision & Engineering	3,003,550	2,801,852	5,088,055	-	10,893,458	100% included
561	Load dispatching	-	299	-	-	299	100% included
561.1	Load Dispatching - Reliability	15,313	13,623	-	-	28,936	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	54,585	28,734	849,068	-	932,386	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	45,300	38,036	50,977	-	134,313	100% included
561.5	Reliability, Planning and Standards	340,515	334,220	131,940	-	806,676	100% included
563	Overhead line expenses	-	-	301	-	301	100% included
562	Station expenses	-	-	11,428	-	11,428	100% included
564	Underground Line Expenses - Transmission	-	-	3,084	-	3,084	100% included
566	Miscellaneous transmission expenses	1,333,901	1,161,236	1,290,926	-	3,786,062	100% included
568	Maintenance Supervision & Engineering	66,861	84,785	507,686	-	659,332	100% included
569.2	Maintenance of Computer Software	840,498	353,031	449,960	-	1,643,489	100% included
570	Maintenance of station equipment	182,130	92,896	379,724	-	654,749	100% included
571	Maintenance of overhead lines	234,450	231,176	548,094	-	1,013,720	100% included
572	Maintenance of underground lines	667	950	11,117	-	12,735	100% included
573	Maintenance of miscellaneous transmission plant	32,488	56,182	171,684	-	260,354	100% included
575.5	Ancillary services market administration	-	-	17,401	-	17,401	Not included
580	Operation Supervision & Engineering	1,001,036	471,740	1,212,741	-	2,685,517	Not included
581	Load dispatching	1,179,197	535,514	1,475,555	-	3,190,266	Not included
582	Station expenses	897,139	-	105,767	-	1,002,906	Not included
583	Overhead line expenses	95,393	229,072	47,265	-	371,730	Not included
584	Underground line expenses	34,878	-	208,396	-	243,274	Not included
585	Street lighting	4,028	-	43	-	4,071	Not included
586	Meter expenses	800,246	411,127	1,108,564	-	2,319,937	Not included
587	Customer installations expenses	346,745	299,963	893,846	-	1,540,554	Not included
588	Miscellaneous distribution expenses	5,474,825	5,527,826	9,099,689	-	20,102,340	Not included
589	Rents	60,620	2,757	64,590	-	127,967	Not included
590	Maintenance Supervision & Engineering	1,014,077	543,084	431,373	-	1,988,535	Not included
591	Maintain structures	-	-	102	-	102	Not included
592	Maintain equipment	567,892	615,945	1,111,695	-	2,295,532	Not included
593	Maintain overhead lines	1,499,072	1,123,689	1,646,212	-	4,268,974	Not included
594	Maintain underground line	195,257	80,020	610,137	-	885,414	Not included
595	Maintain line transformers	550	200	199,373	-	200,122	Not included
596	Maintain street lighting & signal systems	41,368	40,213	15,904	-	97,486	Not included
597	Maintain meters	110,587	33,666	157,207	-	301,460	Not included
598	Maintain distribution plant	32,930	13,967	560,761	-	607,659	Not included
800-894	Total Gas Accounts	2,419,540	-	-	-	2,419,540	Not included
902	Meter reading expenses	144,919	46,153	123,280	-	314,351	Not included
903	Customer records and collection expenses	51,327,401	49,920,892	48,002,627	-	149,250,920	Not included
907	Supervision - Customer Svc & Information	93,109	89,900	135,212	-	318,221	Not included
908	Customer assistance expenses	2,108,200	754,281	876,429	-	3,738,910	Not included
909	Informational & instructional advertising	204,733	204,651	306,902	-	716,286	Not included
912	Demonstrating and selling expense	140,748	-	-	-	140,748	Not included
913	Advertising expense	43,946	-	-	-	43,946	Not included
920	Administrative & General salaries	367,453	98,423	639,618	-	1,105,493	Wage & Salary Factor
921	Office supplies & expenses	5,082	4,300	6,549	-	15,931	Wage & Salary Factor
923	Outside services employed	67,081,017	56,928,796	110,924,582	-	234,934,395	Wage & Salary Factor
924	Property insurance	(3,103)	(2,499)	(4,305)	-	(9,908)	Net Plant Factor
925	Injuries & damages	467,041	359,075	751,897	-	1,578,013	Wage & Salary Factor
926	Employee pensions & benefits	7,900,160	4,233,882	12,532,015	-	24,666,057	Wage & Salary Factor
928	Regulatory commission expenses	2,081,126	592,263	2,541,328	-	5,214,716	Direct Transmission Only
929	Duplicate charges-Credit	472,389	232,352	1,387,280	-	2,092,021	Wage & Salary Factor
930.1	General ad expenses	-	-	33	-	33	Direct Transmission Only
930.2	Miscellaneous general expenses	643,418	590,393	1,134,900	-	2,368,711	Wage & Salary Factor
935	Maintenance of general plant	421,060	219,332	422,422	-	1,062,814	Wage & Salary Factor
Total		193,609,128	155,269,158	263,235,465	52,908,036	665,021,787	

Potomac Electric Power Company

Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2004)
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)
- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
- 4 May Year 2 Post results of Step 3 on PJM web site
- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)

- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)
- 7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)
- 8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)
- 9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)
- 10 May Year 3 Post results of Step 9 on PJM web site
- 11 June Year 3 Results of Step 9 go into effect for the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)

1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2004)
144,571,011 Rev Req based on Year 1 data Must run Appendix A to get this number (without inputs in lines 20, 21 or 43a of Appendix A)

2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2005)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Monthly Additions	Monthly Additions	Monthly Additions	Monthly Additions		Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service	Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service
	Other Plant In Service	Other Plant In Service	MAPP CWIP	MAPP In Service	Weighting	Amount (A x E)	Amount (B x E)	Amount (C x E)	Amount (D x E)	(F / 12)	(G / 12)	(H / 12)	(I / 12)
Jan					11.5	-	-	-	-	-	-	-	-
Feb					10.5	-	-	-	-	-	-	-	-
Mar					9.5	-	-	-	-	-	-	-	-
Apr					8.5	-	-	-	-	-	-	-	-
May					7.5	-	-	-	-	-	-	-	-
Jun	20,414,640				6.5	132,695,160	-	-	-	11,057,930	-	-	-
Jul					5.5	-	-	-	-	-	-	-	-
Aug					4.5	-	-	-	-	-	-	-	-
Sep					3.5	-	-	-	-	-	-	-	-
Oct					2.5	-	-	-	-	-	-	-	-
Nov					1.5	-	-	-	-	-	-	-	-
Dec					0.5	-	-	-	-	-	-	-	-
Total	20,414,640	-	-	-		132,695,160	-	-	-	11,057,930	-	-	-
New Transmission Plant Additions and CWIP (weighted by months in service)										11,057,930	-	-	-
								Input to Line 21 of Appendix A		11,057,930	-	-	-
								Input to Line 43a of Appendix A		11,057,930	-	-	-
								Month In Service or Month for CWIP		5.50	#DIV/0!	#DIV/0!	#DIV/0!

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
 \$ 11,057,930 Input to Formula Line 21

4 May Year 2 Post results of Step 3 on PJM web site
145,612,840 Must run Appendix A to get this number (with inputs on lines 21 and 43a of Attachment A)

5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2005 - May 31, 2006)
 \$ 145,612,840

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)
164,055,975 Rev Req based on Prior Year data Must run Appendix A to get this number (without inputs in lines 20, 21 or 43a of Appendix A)

7 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds and CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year)

Remove all Cap Adds placed in service in Year 2

For Reconciliation only - remove actual New Transmission Plant Additions for Year 2 \$ 53,597,136 Input to Formula Line 20

Add weighted Cap Adds actually placed in service in Year 2

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Monthly Additions Other Plant In Service	Monthly Additions Other Plant In Service	Monthly Additions MAPP CWIP	Monthly Additions MAPP In Service	Weighting	Other Plant In Service Amount (A x E)	Other Plant In Service Amount (B x E)	MAPP CWIP Amount (C x E)	MAPP In Service Amount (D x E)	Other Plant In Service (F / 12)	Other Plant In Service (G / 12)	MAPP CWIP (H / 12)	MAPP In Service (I / 12)	
Jan	\$464,957				11.5	5,347,006	-	-	-	445,584	-	-	-	
Feb	(\$662,477)				10.5	(6,956,007)	-	-	-	(579,667)	-	-	-	
Mar	\$6,566,896				9.5	62,385,512	-	-	-	5,198,793	-	-	-	
Apr	\$5,481,323				8.5	46,591,248	-	-	-	3,882,604	-	-	-	
May	\$3,161,246				7.5	23,709,346	-	-	-	1,975,779	-	-	-	
Jun	\$14,379,005				6.5	93,463,534	-	-	-	7,788,628	-	-	-	
Jul	\$143,887				5.5	791,377	-	-	-	65,948	-	-	-	
Aug	\$342,733				4.5	1,542,297	-	-	-	128,525	-	-	-	
Sep	\$279,400				3.5	977,900	-	-	-	81,492	-	-	-	
Oct	\$810,097				2.5	2,025,243	-	-	-	168,770	-	-	-	
Nov	\$10,178,102				1.5	15,267,153	-	-	-	1,272,263	-	-	-	
Dec	\$12,451,967				0.5	6,225,984	-	-	-	518,832	-	-	-	
Total	53,597,136	-	-	-		251,370,591	-	-	-	20,947,549	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										20,947,549	-	-	-	
										Input to Line 21 of Appendix A	20,947,549	-	-	20,947,549
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	7.31	#DIV/0!	#DIV/0!	#DIV/0!

161,066,825 Result of Formula for Reconciliation Must run Appendix A with cap adds in line 21 & line 20
(Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)

8 April Year 3 TO estimates Cap Adds and CWIP during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2006)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Monthly Additions Other Plant In Service	Monthly Additions Other Plant In Service	Monthly Additions MAPP CWIP	Monthly Additions MAPP In Service	Weighting	Other Plant In Service Amount (A x E)	Other Plant In Service Amount (B x E)	MAPP CWIP Amount (C x E)	MAPP In Service Amount (D x E)	Other Plant In Service (F / 12)	Other Plant In Service (G / 12)	MAPP CWIP (H / 12)	MAPP In Service (I / 12)	
Jan					11.5	-	-	-	-	-	-	-	-	
Feb					10.5	-	-	-	-	-	-	-	-	
Mar					9.5	-	-	-	-	-	-	-	-	
Apr					8.5	-	-	-	-	-	-	-	-	
May					7.5	-	-	-	-	-	-	-	-	
Jun					6.5	-	-	-	-	-	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec					0.5	-	-	-	-	-	-	-	-	
Total						-	-	-	-	-	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										0	-	-	-	
										Input to Line 21 of Appendix A	-	-	-	
										Input to Line 43a of Appendix A				
										Month In Service or Month for CWIP	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

163,965,745

9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

Footnote 1: See Attachment 5 - Cost Support in regards to Brandywine Fly Ash Environmental Expenses

The Reconciliation in Step 7 The forecast in Prior Year
 161,066,825 - 159,015,640 = 2,051,185 See footnote 1 Attachment 5 - Cost Support 1

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of		0.3000%					
Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed	
Jun	Year 1	170,932	0.3000%	11.5	5,897	176,829	
Jul	Year 1	170,932	0.3000%	10.5	5,384	176,316	
Aug	Year 1	170,932	0.3000%	9.5	4,872	175,804	
Sep	Year 1	170,932	0.3000%	8.5	4,359	175,291	
Oct	Year 1	170,932	0.3000%	7.5	3,846	174,778	
Nov	Year 1	170,932	0.3000%	6.5	3,333	174,265	
Dec	Year 1	170,932	0.3000%	5.5	2,820	173,752	
Jan	Year 2	170,932	0.3000%	4.5	2,308	173,240	
Feb	Year 2	170,932	0.3000%	3.5	1,795	172,727	
Mar	Year 2	170,932	0.3000%	2.5	1,282	172,214	
Apr	Year 2	170,932	0.3000%	1.5	769	171,701	
May	Year 2	170,932	0.3000%	0.5	256	171,188	
Total		2,051,185				2,088,106	

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	2,088,106	0.3000%	177,421	1,916,950
Jul	Year 2	1,916,950	0.3000%	177,421	1,745,280
Aug	Year 2	1,745,280	0.3000%	177,421	1,573,095
Sep	Year 2	1,573,095	0.3000%	177,421	1,400,394
Oct	Year 2	1,400,394	0.3000%	177,421	1,227,174
Nov	Year 2	1,227,174	0.3000%	177,421	1,053,435
Dec	Year 2	1,053,435	0.3000%	177,421	879,175
Jan	Year 3	879,175	0.3000%	177,421	704,392
Feb	Year 3	704,392	0.3000%	177,421	529,084
Mar	Year 3	529,084	0.3000%	177,421	353,251
Apr	Year 3	353,251	0.3000%	177,421	176,890
May	Year 3	176,890	0.3000%	177,421	(0)
Total with interest				2,129,048	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest 2,129,048

Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8) \$ 163,965,745
 Revenue Requirement for Year 3 166,094,793

10 May Year 3 Post results of Step 9 on PJM web site
 \$ 166,094,793 Post results of Step 3 on PJM web site

11 June Year 3 Results of Step 9 go into effect for the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)
 \$ 166,094,793

B1125 Convert Buzzard to Ritchie Line - 138kV to 230kV				b2008 Reconnector feeder Dickerson to Quince Orchard						
Yes				Yes						
35				35						
No				No						
0				0						
14.7209%				14.7209%						
14.7209%				14.7209%						
51,852,352				8,623,505						
1,481,496				246,386						
10.00				2.00						
Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
48,608,162	1,481,496	47,126,667	8,418,975	8,182,530	246,386	7,936,145	1,414,659	\$ 45,577,409	\$	\$ 45,577,409
48,608,162	1,481,496	47,126,667	8,418,975	8,182,530	246,386	7,936,145	1,414,659	\$ 46,752,395	\$ 46,752,395	\$
47,126,667	1,481,496	45,645,171	8,200,885	7,936,145	246,386	7,689,759	1,378,389	\$ 44,319,889	\$	\$ 44,319,889
47,126,667	1,481,496	45,645,171	8,200,885	7,936,145	246,386	7,689,759	1,378,389	\$ 45,453,902	\$ 45,453,902	\$
45,645,171	1,481,496	44,163,675	7,982,796	7,689,759	246,386	7,443,373	1,342,119	\$ 43,062,369	\$	\$ 43,062,369
45,645,171	1,481,496	44,163,675	7,982,796	7,689,759	246,386	7,443,373	1,342,119	\$ 44,155,408	\$ 44,155,408	\$
44,163,675	1,481,496	42,682,179	7,764,706	7,443,373	246,386	7,196,987	1,305,849	\$ 41,804,849	\$	\$ 41,804,849
44,163,675	1,481,496	42,682,179	7,764,706	7,443,373	246,386	7,196,987	1,305,849	\$ 42,856,915	\$ 42,856,915	\$
42,682,179	1,481,496	41,200,683	7,546,616	7,196,987	246,386	6,950,601	1,269,578	\$ 40,547,329	\$	\$ 40,547,329
42,682,179	1,481,496	41,200,683	7,546,616	7,196,987	246,386	6,950,601	1,269,578	\$ 41,558,422	\$ 41,558,422	\$
41,200,683	1,481,496	39,719,188	7,328,526	6,950,601	246,386	6,704,215	1,233,308	\$ 39,289,810	\$	\$ 39,289,810
41,200,683	1,481,496	39,719,188	7,328,526	6,950,601	246,386	6,704,215	1,233,308	\$ 40,259,928	\$ 40,259,928	\$
39,719,188	1,481,496	38,237,692	7,110,436	6,704,215	246,386	6,457,829	1,197,038	\$ 38,032,290	\$	\$ 38,032,290
39,719,188	1,481,496	38,237,692	7,110,436	6,704,215	246,386	6,457,829	1,197,038	\$ 38,961,435	\$ 38,961,435	\$
38,237,692	1,481,496	36,756,196	6,892,346	6,457,829	246,386	6,211,444	1,160,768	\$ 36,774,770	\$	\$ 36,774,770
38,237,692	1,481,496	36,756,196	6,892,346	6,457,829	246,386	6,211,444	1,160,768	\$ 37,662,941	\$ 37,662,941	\$
36,756,196	1,481,496	35,274,700	6,674,257	6,211,444	246,386	5,965,058	1,124,497	\$ 35,517,250	\$	\$ 35,517,250
36,756,196	1,481,496	35,274,700	6,674,257	6,211,444	246,386	5,965,058	1,124,497	\$ 36,364,448	\$ 36,364,448	\$
35,274,700	1,481,496	33,793,205	6,456,167	5,965,058	246,386	5,718,672	1,088,227	\$ 34,259,730	\$	\$ 34,259,730
35,274,700	1,481,496	33,793,205	6,456,167	5,965,058	246,386	5,718,672	1,088,227	\$ 35,065,955	\$ 35,065,955	\$
33,793,205	1,481,496	32,311,709	6,238,077	5,718,672	246,386	5,472,286	1,051,957	\$ 33,002,210	\$	\$ 33,002,210
33,793,205	1,481,496	32,311,709	6,238,077	5,718,672	246,386	5,472,286	1,051,957	\$ 33,767,461	\$ 33,767,461	\$
.....	\$		\$
.....	\$		\$
								\$	747,135,870	\$ 726,882,452

Potomac Electric Power Company

Attachment 8 - Company Exhibit - Securitization Workpaper

Line #

	Long Term Interest		
101	Less LTD Interest on Securitization Bonds		0
	Capitalization		
112	Less LTD on Securitization Bonds		0

Calculation of the above Securitization Adjustments

