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PSEG Services Corporation

VIA ELECTRONIC MAIL & OVERNIGHT MAIL

June 17, 2016

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, 2014
-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

Docket Nos. EO03050394, ER13050378, ER14040370, ER15040482

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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, 3rd Floor, Suite 314
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 American Electric Power Service Corporation ("AEP") in

FERC Docket No. ER08-1329 and ER10-335, 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 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 revised BGS-RSCP and BGS-CIEP tariff rates effective September 1, 2016. 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

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

BGS tariff sheets. The attached pro-forma tariff sheets propose an effective date of September 1, 2016 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, 2016 for TECs resulting from all of the FERC-approved Filings, except the AEP-East filing which is effective on July 1, 2016.

Attachment 2 shows the cost impact for the 2016/2017 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, 2016 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 and July 1, 2016. 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,

Alexander C. Stern

Attachments

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Richard DeRose, NJBPU
Bethany Rocque-Romaine, Esq., NJBPU
Stacy Peterson, NJBPU
Stefanie Brand, Division of Rate Counsel
Service List (Electronic)

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE

BOARD OF PUBLIC UTILITIES		
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EDCs		
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PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE

OTHER		
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PUBLIC SERVICE ELECTRIC AND GAS COMPANY
BGS TRANSMISSION ENHANCEMENT CHARGE

OTHER		
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Graham Fisher ConocoPhillips 600 N Dairy Ashford, CH1081 Houston, TX 77079	Danielle Fazio Noble Americas Gas & Power Four Stamford Plaza, 7th Fl. Stamford, CT 06902	Jan Nulle Energy America, LLC 12 Greenway Plaza, Suite 250 Houston, TX 77046
Kim M. Durham Citigroup Energy Inc. 2800 Post Oak Boulevard Suite 500 Houston, TX 77056		

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

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:

	For usage in each of the months of October through May		For usage in each of the months of June through September	
Rate Schedule	Charges	Charges Including SUT	Charges	Charges Including SUT
RS – first 600 kWh	$0.117740	$0.125982	$0.119569	$0.127939
RS – in excess of 600 kWh	0.117740	0.125982	0.128677	0.137684
RHS – first 600 kWh	0.089942	0.096238	0.086350	0.092395
RHS – in excess of 600 kWh	0.089942	0.096238	0.098529	0.105426
RLM On-Peak	0.204768	0.219102	0.219206	0.234550
RLM Off-Peak	0.053141	0.056861	0.050058	0.053562
WH	0.054613	0.058436	0.053331	0.057064
WHS	0.054808	0.058645	0.053437	0.057178
HS	0.095862	0.102572	0.099264	0.106212
BPL	0.051584	0.055195	0.047370	0.050686
BPL-POF	0.051584	0.055195	0.047370	0.050686
PSAL	0.051584	0.055195	0.047370	0.050686

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.

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 $6.7319
Charge including New Jersey Sales and Use Tax (SUT) $7.2031

Charge applicable in the months of October through May..$6.7319
Charge including New Jersey Sales and Use Tax (SUT) $7.2031

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 ....$ 79,939.39 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 .... $ 104.68 per MW per month
Virginia Electric and Power Company ....$ 84.86 per MW per month
Potomac-Appalachian Transmission Highline L.L.C. ....$ 15.15 per MW per month
PPL Electric Utilities Corporation..$ 53.39 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. ....$ 3.37 per MW per month

Above rates converted to a charge per kW of Transmission
Obligation, applicable in all months..$ 6.9615
Charge including New Jersey Sales and Use Tax (SUT) ....$ 7.4488

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).

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 .... $ 79.939.39 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 .... $ 104.68 per MW per month
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Potomac Electric Power Company. .... $ 3.37 per MW per month

Above rates converted to a charge per kW of Transmission
Obligation, applicable in all months .... $ 6.9615
Charge including New Jersey Sales and Use Tax (SUT) .... $ 7.4488

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.

PART III
SERVICE CLASSIFICATIONS AND RIDERS
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JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 11 ELECTRIC - PART III

10th Rev. Sheet No. 34
Superseding 9th Rev. Sheet No. 34

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

2) BGS Transmission Charge per KWH: As provided in the respective tariff for Service Classifications RS, RT, RGT, GS, GST, OL, SVL, MVL and ISL. 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, a TRAILCO4-TEC surcharge of **$0.000468** per KWH (includes Sales and Use Tax as provided in Rider SUT), a PEPCO2-TEC surcharge of **$0.000015** per KWH (includes Sales and Use Tax as provided in Rider SUT), an ACE2-TEC surcharge of **$0.000086** per KWH (includes Sales and Use Tax as provided in Rider SUT), a Delmarva2-TEC surcharge of **$0.000001** per KWH (includes Sales and Use Tax as provided in Rider SUT), an AEP-East2-TEC surcharge of **$0.000105** per KWH (includes Sales and Use Tax as provided in Rider SUT), and a PPL2-TEC surcharge of **$0.000213** 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 and ISL.

Effective June 1, 2016, a PATH3-TEC surcharge of **$0.000058** per KWH (includes Sales and Use Tax as provided in Rider SUT), a VEPCO3-TEC surcharge of **$0.000323** per KWH (includes Sales and Use Tax as provided in Rider SUT), and a PSEG2-TEC surcharge of **$0.002020** 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 and ISL.

3) BGS Reconciliation Charge per KWH: ($0.003296) (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, 2016**

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

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 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):

	TRAILCO4-TEC	PEPCO2-TEC	ACE2-TEC
GT – High Tension Service	**$0.000105**	**$0.000003**	**$0.000019**
GT	**$0.000225**	**$0.000007**	**$0.000041**
GP	**$0.000311**	**$0.000010**	**$0.000057**
GS and GST	**$0.000468**	**$0.000015**	**$0.000086**

	Delmarva2-TEC	AEP-East2-TEC	PPL2-TEC
GT – High Tension Service	**$0.000000**	**$0.000024**	**$0.000048**
GT	**$0.000001**	**$0.000050**	**$0.000103**
GP	**$0.000001**	**$0.000070**	**$0.000142**
GS and GST	**$0.000001**	**$0.000105**	**$0.000213**

Effective June 1, 2016, 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):

	PATH3-TEC	VEPCO3-TEC	PSEG2-TEC
GT – High Tension Service	**$0.000022**	**$0.000125**	**$0.000783**
GT	**$0.000036**	**$0.000202**	**$0.001263**
GP	**$0.000040**	**$0.000224**	**$0.001397**
GS and GST	**$0.000058**	**$0.000323**	**$0.002020**

4) BGS Reconciliation Charge per KWH: ($0.000178) (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.

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.

	Summer Months*	Other Months
First 250 kWh ...... @	1.209 ¢ per kWh	1.209 ¢ per kWh
Over 250 kWh ..... @	1.209 ¢ per kWh	1.209 ¢ 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	1.017 ¢ per kWh	1.017 ¢ 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.

* Definition of Summer Billing Months - June through September

(Continued)

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.

	Summer Months*	Other Months
Secondary Voltage Service Only		
All kWh ....@	0.604 ¢ per kWh	0.604 ¢ per kWh
Primary Voltage Service Only		
All kWh ....@	0.522 ¢ per kWh	0.522 ¢ 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)

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.

	Summer Months*	Other Months
Peak All kWh measured between 10:00 a.m. and 10:00 p.m., Monday through Friday ......@	0.811 ¢ per kWh	0.811 ¢ per kWh
Off-Peak All other kWh ......@	0.811 ¢ per kWh	0.811 ¢ 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 .....@	0.595 ¢ per kWh	0.595 ¢ 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.

* Definition of Summer Billing Months - June through September

(Continued)

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.

	Summer Months*	Other Months
First 250 kWh ... @	0.794 ¢ per kWh	0.794 ¢ per kWh
Next 450 kWh ... @	0.794 ¢ per kWh	0.794 ¢ per kWh
Over 700 kWh ... @	0.794 ¢ per kWh	0.794 ¢ 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 ... @	0.677 ¢ per kWh	0.677 ¢ 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.

* Definition of Summer Billing Months - June through September

(Continued)

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

RATE– MONTHLY (Continued)

(3) Transmission Charges (Continued)

(a) (Continued)

		Primary	High Voltage Distribution
Demand Charge			
Period I	All kW @	$1.92 per kW	$1.92 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
Usage Charge			
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.

		Primary	High Voltage Distribution
All Periods	All kWh @	0.405 ¢ per kWh	0.405 ¢ 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)

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 3.159 ¢ per kWh during the billing months of October through May and 5.106 ¢ per kWh during the summer billing months and a Transmission Charge of 0.552 ¢ per kWh and a Transmission Surcharge of 0.405 ¢ 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 $26.96 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)

Attachment 2A

Cost Allocation of 2015/2016 TrailCo Schedule 12 Charges

Attachment 2B

Cost Allocation of 2015/2016 Delmarva Schedule 12 Charges

Attachment 2C

Cost Allocation of 2015/2016 ACE Schedule 12 Charges

Attachment 2D

Cost Allocation of 2015/2016 PEPCo Schedule 12 Charges

Attachment 2E

Cost Allocation of 2015/2016 PPL Schedule 12 Charges

Attachment 2F

Cost Allocation of 2015/2016 AEP-East Schedule 12 Charges

Please note that PJM has implemented section based formatting for the PJM Open Access Transmission Tariff which is reflected in Attachment 2 herein. PJM no longer provides individual page original sheet numbers and update information.

PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for Allegheny TrAILCo Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				**Estimated New Jersey EDC Zone Charges by Project**				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**June 2016- May 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]**	**JCP&L Zone Share[1]**	**PSE&G Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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	$ 150,249,644.72	1.57%	3.57%	5.89%	0.24%	$2,358,919	$5,363,912	$8,849,704	$360,599	$16,933,135
Wylie Ridge [2]	b0218	$ 3,128,659.78	11.62%	15.28%	0.00%	0.00%	$363,550	$478,059	$0	$0	$841,609
Black Oak	b0216	$ 6,101,786.28	1.57%	3.57%	5.89%	0.24%	$95,798	$217,834	$359,395	$14,644	$687,671
Meadowbrook 200 MVAR capacitor	b0559	$ 840,910.69	1.57%	3.57%	5.89%	0.24%	$13,202	$30,021	$49,530	$2,018	$94,771
Replace Kammer 765/500 kV TXfmr	b0495	$ 5,104,447.83	1.57%	3.57%	5.89%	0.24%	$80,140	$182,229	$300,652	$12,251	$575,271
Doubs TXfmr 2	b0343	$ 670,933.66	1.85%	0.00%	0.00%	0.00%	$12,412	$0	$0	$0	$12,412
Doubs TXfmr 3	b0344	$ 613,562.24	1.86%	0.00%	0.00%	0.00%	$11,412	$0	$0	$0	$11,412
Doubs TXfmr 4	b0345	$ 761,394.53	1.85%	0.00%	0.00%	0.00%	$14,086	$0	$0	$0	$14,086
New Osage 138KV Ckt	b0674-b1023.3	$ 3,393,959.32	0.00%	0.00%	0.25%	0.01%	$0	$0	$8,485	$339	$8,824
Cap at Grover 230	b0556	$ 137,049.05	8.58%	18.16%	26.13%	0.97%	$11,759	$24,888	$35,811	$1,329	$73,787
Upgrade transformer 500/230	b1153	$ 4,349,294.92	3.72%	12.52%	20.44%	0.71%	$161,794	$544,532	$888,996	$30,880	$1,626,201
Build a 300 MVAR Switched Shunt at Doubs 500kV	b1803	$ 722,916.02	1.57%	3.57%	5.89%	0.24%	$11,350	$25,808	$42,580	$1,735	$81,473
Install 500 MVAR svc at Hunterstown 500kV Sub	b1800	$ 15,878,281.63	1.57%	3.57%	5.89%	0.24%	$249,289	$566,855	$935,231	$38,108	$1,789,482
Build 250 MVAR svc at Altoona 230kV	b1801	$ 5,621,056.55	6.45%	8.12%	8.16%	0.33%	$362,558	$456,430	$458,678	$18,549	$1,296,216
Convert Moshannon sub to 4 breaker 230 kv ring bus	b1964	$ 1,036,835.00	0.00%	5.48%	0.00%	0.00%	$0	$56,819	$0	$0	$56,819
Build a 100 MVAR Fast Switched Shunt and 200 MVAR Switched Shunt at Mansfield 345 kV	b1802	$ 1,652,175.95	6.45%	8.12%	8.16%	0.33%	$106,565	$134,157	$134,818	$5,452	$380,992
Install 300 MVAR capacitor at Conemaugh 500 kV substation	b0376	$ (192,551.15)	1.57%	3.57%	5.89%	0.24%	-$3,023	-$6,874	-$11,341	-$462	-$21,701
							$3,849,812	**$8,074,668**	**$12,052,538**	**$485,443**	**$24,462,461**
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 16/17**	**2016TX Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 1,004,378.14	9,594.9	$ 104.68	$ 7,030,647	$ 5,021,891	$ 12,052,538
JCP&L	$ 672,889.01	5,818.1	$ 115.65	$ 4,710,223	$ 3,364,445	$ 8,074,668
ACE	$ 320,817.67	2,552.8	$ 125.67	$ 2,245,724	$ 1,604,088	$ 3,849,812
RE	$ 40,453.62	397.7	$ 101.72	$ 283,175	$ 202,268	$ 485,443
Total Impact on NJ Zones	**$ 2,038,538.44**			**$ 14,269,769**	**$ 10,192,692**	**$ 24,462,461**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (11.62%) / ConEd (1.79%) / DPL (19.05%) / Dominion (13.56%) / JCPL (15.28%) / PECO (38.70%)
b0220	Upgrade coolers on Wylie Ridge 500/345 kV #7		AEC (11.62%) / ConEd (1.79%) / DPL (19.05%) / Dominion (13.56%) / JCPL (15.28%) / PECO (38.70%)
b0229	Install fourth Bedington 500/138 kV		APS (50.98%) / BGE (13.42%) / DPL (2.03%) / Dominion (14.50%) / ME (1.43%) / PEPCO (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%) / PEPCO (3.95%)

* 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)
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%)

* 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

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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* 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)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.3	Build new 502 Junction 500 kV substation	As specified under the procedures detailed in Attachment H-18B, Section 1.b	AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* 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)
b0347.5	Replace Harrison 500 kV breaker HL-3		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.6	Upgrade (per ABB inspection) breaker HL-6		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.7	Upgrade (per ABB inspection) breaker HL-7		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

*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)
b0347.8	Upgrade (per ABB inspection) breaker HL-8		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.9	Upgrade (per ABB inspection) breaker HL-10		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.10	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-1		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

*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)
b0347.11	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-3		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.12	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-4		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.13	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-6		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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)
b0347.14	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-7		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.15	Upgrade (per ABB Inspection) Hatfield 500 kV breakers HFL-9		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.16	Upgrade (per ABB inspection) Harrison 500 kV breaker 'HL-3'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.18	Replace Meadow Brook 138 kV breaker 'MD-11'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.19	Replace Meadow Brook 138 kV breaker 'MD-12'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0347.20	Replace Meadow Brook 138 kV breaker 'MD-13'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.21	Replace Meadow Brook 138 kV breaker 'MD-14'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.22	Replace Meadow Brook 138 kV breaker 'MD-15'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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)
b0347.23	Replace Meadow Brook 138 kV breaker 'MD-16'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.24	Replace Meadow Brook 138 kV breaker 'MD-17'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.25	Replace Meadow Brook 138 kV breaker 'MD-18'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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)
b0347.26	Replace Meadow Brook 138 kV breaker 'MD-22#1 CAP'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.27	Replace Meadow Brook 138 kV breaker 'MD-4'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.28	Replace Meadow Brook 138 kV breaker 'MD-5'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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)
b0347.29	Replace Meadowbrook 138 kV breaker ‘MD-6’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.30	Replace Meadowbrook 138 kV breaker ‘MD-7’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0347.31	Replace Meadowbrook 138 kV breaker ‘MD-8’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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)
b0347.32	Replace Meadowbrook 138 kV breaker 'MD-9'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0406.1	Replace Mitchell 138 kV breaker "#4 bank"		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)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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%)

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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)
b0577	Replace Fort Martin 500 kV breaker FL-1		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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%)

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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)
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 - 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%)
b0675.3	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%)

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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)
b0675.4	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%)
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%)

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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)
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%)
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%)

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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)

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%)
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%)

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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)
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%)
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%)

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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)
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%)
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%)

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)
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%)
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%)

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)
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%)
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%)

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)
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%)
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%)

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)
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%)
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%)
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%)

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)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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 & Eurkea-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%)

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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)

b1233.1	Upgrade terminal equipment at Washington		APS (100%)
b1234	Replace structures between Ridgeway and Paper city		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)
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%)
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%)
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%)

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)

b1507.2	Terminal Equipment upgrade at Doubs substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1507.3	Mt. Storm – Doubs transmission line rebuild in Maryland – Total line mileage for APS is 2.71 miles		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1510	Install 59.4 MVAR capacitor at Waverly		APS (100%)
b1672	Install a 230 kV breaker at Carbon Center		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)

b0539	Replace Doubs circuit breaker DJ11		APS (100%)
b0540	Replace Doubs circuit breaker DJ12		APS (100%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0560	Install 250 MVAR capacitor at Kemptown 500 kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* 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)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1804	Install a new 600 MVAR SVC at Meadowbrook 500kV		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1816.1	Replace relaying at the Mt. Airy substation on the Carroll - Mt. Airy 230 kV line		APS (100%)
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		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)
b1816.3	Replace existing unidirectional LTC controller on the No. 4, 230/138 kV transformer at Carroll substation with a bidirectional unit		APS (100%)
b1816.4	Isolate and bypass the 138 kV reactor at Germantown Substation		APS (100%)
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		APS (100%)
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		APS (100%)

	556 ACSR with 795 ACSR		

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%)
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		APS (100%)

	Reid 138 kV SS		

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)
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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** 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)
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%)
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%)

* 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)
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%)
b2103	Replace Armstrong 138 kV breaker 'BURMA' with 40kA rated breaker		APS (100%)
b2104	Replace Armstrong 138 kV breaker 'KITTANNING' 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%)

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)
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%)
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

(5) Metropolitan Edison Company

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0215	Install 230Kv series reactor and 2- 100MVAR PLC switched capacitors at Hunterstown		AEC (6.68%) / APS (3.95%) / ConEd (0.42%) / DPL (9.06%) / JCPL (16.78%) / ME (10.49%) / Neptune* (1.68%) / PECO (18.92%) / PPL (7.52%) / PSEG (22.57%) / RE (0.34%) / UGI (0.95%) / ECP** (0.64%)
b0404.1	Replace South Reading 230 kV breaker 107252		ME (100%)
b0404.2	Replace South Reading 230 kV breaker 100652		ME (100%)
b0575.1	Rebuild Hunterstown – Texas Eastern Tap 115 kV		ME (100%)
b0575.2	Rebuild Texas Eastern Tap – Gardners 115 kV and associated upgrades at Gardners including disconnect switches		ME (100%)
b0650	Reconductor Jackson – JE Baker – Taxville 115 kV line		ME (100%)
b0652	Install bus tie circuit breaker on Yorkana 115 kV bus and expand the Yorkana 230 kV ring bus by one breaker so that the Yorkana 230/115 kV banks 1, 3, and 4 cannot be lost for either B-14 breaker fault or a 230 kV line or bank fault with a stuck breaker		ME (100%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.

(5) Metropolitan Edison Company

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0653	Construct a 230 kV Bernville station by tapping the North Temple – North Lebanon 230 kV line. Install a 230/69 kV transformer at existing Bernville 69 kV station		ME (100%)
b1000	Replace Portland 115kV breaker '95312'		ME (100%)
b1001	Replace Portland 115kV breaker '92712'		ME (100%)
b1002	Replace Hunterstown 115 kV breaker '96392'		ME (100%)
b1003	Replace Hunterstown 115 kV breaker '96292'		ME (100%)
b1004	Replace Hunterstown 115 kV breaker '99192'		ME (100%)
b1061	Replace existing Yorkana 230/115 kV transformer banks 1 and 4 with a single, larger transformer similar to transformer bank #3		ME (100%)
b1061.1	Replace the Yorkana 115 kV breaker '97282'		ME (100%)
b1061.2	Replace the Yorkana 115 kV breaker 'B282'		ME (100%)
b1302	Replace the limiting bus conductor and wave trap at the Jackson 115 kV terminal of the Jackson – JE Baker Tap 115 kV line		ME (100%)
b1365	Reconductor the Middletown – Collins 115 kV (975) line 0.32 miles of 336 ACSR		ME (100%)
b1366	Reconductor the Collins – Cly – Newberry 115 kV (975) line 5 miles with 795 ACSR		ME (100%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.

(5) Metropolitan Edison Company

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1727	Reconductor 2.4 miles of existing 556 and 795 ACSR from Harley Davidson to Pleasureville 115 kV with 795 ACSS to raise the ratings		ME (100%)
b1800	Install a 500 MVAR SVC at the existing Hunterstown 500kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1801	Build a 250 MVAR SVC at Altoona 230 kV		AEC (6.45%) / AEP (2.57%) / APS (6.86%) / BGE (6.55%) / ConEd (0.29%) / DPL (12.35%) / Dominion (14.85%) / JCPL (8.12%) / ME (6.19%) / Neptune* (0.82%) / PECO (21.50%) / PPL (4.87%) / PSEG (8.16%) / RE (0.33%) / ECP** (0.09%)
b1816.5	Replace SCCIR (Sub-conductor) at Hunterstown Substation on the No. 1, 230/115 kV transformer		ME (100%)
b1999	Replace limiting wave trap, circuit breaker, substation conductor, relay and current transformer components at Northwood		ME (100%)
b2000	Replace limiting wave trap on the Glendon - Hosensack line		ME (100%)
b2001	Replace limiting circuit breaker and substation conductor transformer components at Portland 230kV		ME (100%)

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

(5) Metropolitan Edison Company

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2002	Northwood 230/115 kV Transformer upgrade		ME (100%)
b2023	Construct a new North Temple - Riverview - Cartech 69 kV line (4.7 miles) with 795 ACSR		ME (100%)
b2024	Upgrade 4/0 substation conductors at Middletown 69 kV		ME (100%)
b2025	Upgrade 4/0 and 350 Cu substation conductors at the Middletown Junction terminal of the Middletown Junction - Wood Street Tap 69 kV line		ME (100%)
b2026	Upgrade an OC protection relay at the Baldy 69 kV substation		ME (100%)
b2148	Install a 115 kV 28.8 MVAR capacitor at Pleasureville substation		ME (100%)
b2149	Upgrade substation riser on the Smith St. - York Inc. 115 kV line		ME (100%)
b2150	Upgrade York Haven structure 115 kV bus conductor on Middletown Jct. - Zions View 115 kV		ME (100%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.

SCHEDULE 12 – APPENDIX

(7) Pennsylvania Electric Company

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0284.1	Build 500 kV substation in PENELEC – Tap the Keystone – Juniata and Conemaugh – Juniata 500 kV, connect the circuits with a breaker and half scheme, and install new 400 MVAR capacitor		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0284.3	Replace wave trap and upgrade a bus section at Keystone 500 kV – on the Keystone – Airydale 500 kV		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.
***Hudson Transmission Partners, LLC

Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0285.1	Replace wave trap at Keystone 500 kV – on the Keystone – Conemaugh 500 kV		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0285.2	Replace wave trap and relay at Conemaugh 500 kV – on the Conemaugh – Keystone 500 kV		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.
***Hudson Transmission Partners, LLC

Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0349	Upgrade Rolling Meadows-Gore Jct 115 kV		PENELEC (100%)
b0360	Construction of a ring bus on the 345 kV side of Wayne substation		PENELEC (100%)
b0365	Add a 50 MVAR, 230 kV cap bank at Altoona 230 kV		PENELEC (100%)
b0369	Install 100 MVAR Dynamic Reactive Device at Airydale 500 kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0370	Install 500 MVAR Dynamic Reactive Device at Airydale 500 kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0376	Install 300 MVAR capacitor at Conemaugh 500 kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0442	Spare Keystone 500/230 kV transformer		PENELEC (100%)
b0515	Replace Lewistown circuit breaker 1LY Yeagertown		PENELEC (100%)
b0516	Replace Lewistown circuit breaker 2LY Yeagertown		PENELEC (100%)
b0517	Replace Shawville bus section circuit breaker		PENELEC (100%)
b0518	Replace Homer City circuit breaker 201 Johnstown		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0519	Replace Keystone circuit breaker 4 Transformer - 20		PENELEC (100%)
b0549	Install 250 MVAR capacitor at Keystone 500 kV		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0550	Install 25 MVAR capacitor at Lewis Run 115 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%)
b0551	Install 25 MVAR capacitor at Saxton 115 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%)
b0552	Install 50 MVAR capacitor at Altoona 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%)
b0553	Install 50 MVAR capacitor at Raystown 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%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0555	Install 100 MVAR capacitor at Johnstown 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%)
b0556	Install 50 MVAR capacitor at Grover 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%)
b0557	Install 75 MVAR capacitor at East Towanda 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%)
b0563	Install 25 MVAR capacitor at Farmers Valley 115 kV substation		PENELEC (100%)
b0564	Install 10 MVAR capacitor at Ridgeway 115 kV substation		PENELEC (100%)
b0654	Reconfigure the Cambria Slope 115 kV and Wilmore Junction 115 kV stations to eliminate Wilmore Junction 115 kV 3-terminal line		PENELEC (100%)
b0655	Reconfigure and expand the Glade 230 kV ring bus to eliminate the Glade Tap 230 kV 3-terminal line		PENELEC (100%)
b0656	Add three breakers to form a ring bus at Altoona 230 kV		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0794	Upgrade the Homer City 230 kV breaker 'Pierce Road'		PENELEC (100%)
b1005	Replace Glory 115 kV breaker '#7 XFMR'		PENELEC (100%)
b1006	Replace Shawville 115 kV breaker 'NO.14 XFMR'		PENELEC (100%)
b1007	Replace Shawville 115 kV breaker 'NO.15 XFMR'		PENELEC (100%)
b1008	Replace Shawville 115 kV breaker '#1B XFMR'		PENELEC (100%)
b1009	Replace Shawville 115 kV breaker '#2B XFMR'		PENELEC (100%)
b1010	Replace Shawville 115 kV breaker 'Dubois'		PENELEC (100%)
b1011	Replace Shawville 115 kV breaker 'Philipsburg'		PENELEC (100%)
b1012	Replace Shawville 115 kV breaker 'Garman'		PENELEC (100%)
b1059	Replace a CRS relay at Hooversville 115 kV station		PENELEC (100%)
b1060	Replace a CRS relay at Rachel Hill 115 kV station		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1153	Upgrade Conemaugh 500/230 kV transformer and add a new line from Conemaugh-Seward 230 kV		AEC (3.72%) / APS (6.23%) / BGE (16.75%) / ConEd (0.39%) / DL (0.32%) / JCPL (12.52%) / ME (6.87%) / PECO (11.49%) / PEPCO (0.55%) / PPL (15.36%) / PSEG (20.44%) / RE (0.71%) / NEPTUNE* (1.70%) / ECP** (2.95%)
b1153.1	Revise the reclosing on the Shelocta 115 kV breaker 'Lucerne'		PENELEC (100%)
b1169	Replace Shawville 115 kV breaker '#1A XFMR'		PENELEC (100%)
b1170	Replace Shawville 115 kV breaker '#2A XFMR'		PENELEC (100%)
b1277	Build a new Osterburg East – Bedford North 115 kV Line, 5.7 miles of 795 ACSR		PENELEC (100%)
b1278	Install 25 MVAR Capacitor Bank at Somerset 115 kV		PENELEC (100%)
b1367	Replace the Cambria Slope 115/46 kV 50 MVA transformer with 75 MVA		PENELEC (100%)
b1368	Replace the Claysburg 115/46 kV 30 MVA transformer with 75 MVA		PENELEC (100%)
b1369	Replace the 4/0 CU substation conductor with 795 ACSR on the Westfall S21 Tap 46 kV line		PENELEC (100%)
b1370	Install a 3rd 115/46 kV transformer at Westfall		PENELEC (100%)
b1371	Reconductor 2.6 miels of the Claysburg – HCR 46 kV line with 636 ACSR		PENELEC (100%)

Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1372	Replace 4/0 CU substation conductor with 795 ACSR on the Hollidaysburg – HCR 46 kV		PENELEC (100%)
b1373	Re-configure the Erie West 345 kV substation, add a new circuit breaker and relocate the Ashtabula line exit		PENELEC (100%)
b1374	Replace wave traps at Raritan River and Deep Run 115 kV substations with higher rated equipment for both B2 and C3 circuits		PENELEC (100%)
b1535	Reconductor 0.8 miles of the Gore Junction – ESG Tap 115 kV line with 795 ACSS		PENELEC (100%)
b1607	Reconductor the New Baltimore - Bedford North 115 kV		PENELEC (100%)
b1608	Construct a new 345/115 kV substation and loop the Mansfield - Everts 115 kV		APS (8.57%) / ConEd (0.47%) / PECO (1.71%) / PENELEC (89.25%)
b1609	Construct Four Mile Junction 230/115 kV substation. Loop the Erie South - Erie East 230 kV line, Buffalo Road - Corry East and Buffalo Road - Erie South 115 kV lines		APS (4.86%) / PENELEC (95.14%)
b1610	Install a new 230 kV breaker at Yeagertown		PENELEC (100%)
b1713	Install a 345 kV breaker at Erie West and relocate Ashtabula 345 kV line		PENELEC (100%)
b1769	Install a 75 MVAR cap bank on the Four Mile 230 kV bus		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1770	Install a 50 MVAR cap bank on the Buffalo Road 115 kV bus		PENELEC (100%)
b1802	Build a 100 MVAR Fast Switched Shunt and 200 MVAR Switched Shunt at Mansfield 345 kV		AEC (6.45%) / AEP (2.57) / APS (6.86%) / BGE (6.55%) / ConEd (0.29%) / DPL (12.35%) / Dominion (14.85%) / JCPL (8.12%) / ME (6.19%) / NEPTUNE* (0.82%) / PECO (21.50%) / PPL (4.87%) / PSEG (8.16%) / RE (0.33%) / ECP** (0.09%)
b1821	Replace the Erie South 115 kV breaker 'Union City'		PENELEC (100%)
b1943	Construct a 115 kV ring bus at Claysburg Substation. Bedford North and Saxton lines will no longer share a common breaker		PENELEC (100%)
b1944	Reconductor Eclipse substation 115 kV bus with 1033 kcmil conductor		PENELEC (100%)
b1945	Install second 230/115 kV autotransformer at Johnstown		PENELEC (100%)
b1966	Replace the 1200 Amp Line trap at Lewistown on the Raystown-Lewistown 230 kV line and replace substation conductor at Lewistown		PENELEC (100%)
b1967	Replace the Blairsville 138/115 kV transformer		PENELEC (100%)
b1990	Install a 25 MVAR 115 kV Capacitor at Grandview		PENELEC (100%)
b1991	Construct Farmers Valley 345/230 kV and 230/115 kV substation. Loop the Homer City-Stolle Road 345 kV line into Farmers Valley		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1992	Reconductor Cambria Slope-Summit 115kV with 795 ACSS Conductor		PENELEC (100%)
b1993	Relocate the Erie South 345 kV line terminal		APS (10.09%) / ECP** (0.45%) / HTP (0.49%) / JCPL (5.14%) / Neptune* (0.54%) / PENELEC (70.71%) / PSEG (12.10%) / RE (0.48%)
b1994	Convert Lewis Run-Farmers Valley to 230 kV using 1033.5 ACSR conductor. Project to be completed in conjunction with new Farmers Valley 345/230 kV transformation		APS (33.20%) / ECP** (0.44%) / HTP (0.44%) / JCPL (8.64%) / ME (5.52%) / Neptune (0.86%) / PENELEC (36.81%) / PSEG (13.55%) / RE (0.54%)
b1995	Change CT Ratio at Claysburg		PENELEC (100%)
b1996.1	Replace 600 Amp Disconnect Switches on Ridgeway-Whetstone 115 kV line with 1200 Amp Disconnects		PENELEC (100%)
b1996.2	Reconductor Ridgway and Whetstone 115 kV Bus		PENELEC (100%)
b1996.3	Replace Wave Trap at Ridgway		PENELEC (100%)
b1996.4	Change CT Ratio at Ridgway		PENELEC (100%)
b1997	Replace 600 Amp Disconnect Switches on Dubois-Harvey Run-Whetstone 115 kV line with 1200 Amp Disconnects		PENELEC (100%)
b1998	Install a 75 MVAR 115 kV Capacitor at Shawville		PENELEC (100%)

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Pennsylvania Electric Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2016	Reconductor bus at Wayne 115 kV station		PENELEC (100%)

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PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for Delmarva Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**June 2016 - May 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]**	**JCP&L Zone Share[1]**	**PSE&G Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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 MAPP TX line - Delmarva portion	b0512	$ -	1.53%	3.54%	5.97%	0.25%	$0	$0	$0	$0	$0
Replace line trap- Keeney	b0272.1	$ 26,651	1.57%	3.57%	5.89%	0.24%	$418	$951	$1,570	$64	$3,004
Add two breakers- Keeney	b0751	$ 618,956	1.57%	3.57%	5.89%	0.24%	$9,718	$22,097	$36,457	$1,485	$69,756
Totals							**$10,136**	**$23,048**	**$38,026**	**$1,549**	**$72,760**
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 16/17**	**2016TX Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 3,168.85	9,594.9	$ 0.33	$ 22,182	$ 15,844	$ 38,026
JCP&L	$ 1,920.68	5,818.1	$ 0.33	$ 13,445	$ 9,603	$ 23,048
ACE	$ 844.67	2,552.8	$ 0.33	$ 5,913	$ 4,223	$ 10,136
RE	$ 129.12	397.7	$ 0.32	$ 904	$ 646	$ 1,549
Total Impact on NJ Zones	**$ 6,063.33**			**$ 42,443**	**$ 30,317**	**$ 72,760**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

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 wavetrap 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
b0296	Rehoboth/Cedar Neck Tap (6733-2) upgrade		DPL (100%)
b0320	Create a new 230 kV station that splits the 2nd 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%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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 2nd 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%)
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%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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 125ºC		DPL (100%)
b0485	Re-tension Taylor – North Seaford 69 kV for 125ºC		DPL (100%)
b0494.1	Install a 2nd 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%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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%)

Delmarva Power & Light Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

* 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-3.

PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for ACE Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**June 2016 - May 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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	$ 596,772	88.94%	9.38%	0.00%	0.00%	$530,769	$55,977	$0	$0	$586,746
Replace Monroe 230/69 kV TXfmrs	b0276	$ 910,589	91.28%	0.00%	8.29%	0.23%	$831,186	$0	$75,488	$2,094	$908,768
Reconductor Union - Corson 138 kV	b0211	$ 1,553,511	64.81%	25.70%	6.31%	0.00%	$1,006,830	$399,252	$98,027	$0	$1,504,109
New 500/230 Kv Sub on Salem-East Windsor (>500 kV portion)	b0210.A	$ 3,119,930	1.57%	3.57%	5.89%	0.24%	$48,983	$111,382	$183,764	$7,488	$351,616
New 500/230kV Sub on Salem-East Windsor (< 500kV) portion[2]	b0210.B	$ 2,224,625	64.81%	25.70%	6.31%	0.00%	$1,441,779	$571,729	$140,374	$0	$2,153,882
Reconductor the existing Mickleton – Goucestr 230 kV circuit (AE portion)	b1398.5	$ 552,221	0.00%	12.82%	31.46%	1.25%	$0	$70,795	$173,729	$6,903	$251,426
	b1398.5.3.1	$ 1,728,089	0.00%	12.82%	31.46%	1.25%	$0	$221,541	$543,657	$21,601	$786,799
Upgrade the Mill T2 138/69 kV Transformer	b1600	$ 1,061,960	88.83%	4.74%	5.78%	0.23%	$943,339	$50,337	$61,381	$2,443	$1,057,500
							$4,802,887	**$1,481,012**	**$1,276,419**	**$40,529**	**$7,600,846**
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 16/17**	**2016TX Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 106,368.24	9,594.9	$ 11.09	$ 744,578	$ 531,841	$ 1,276,419
JCP&L	$ 123,417.69	5,818.1	$ 21.21	$ 863,924	$ 617,088	$ 1,481,012
ACE	$ 400,240.55	2,552.8	$ 156.78	$ 2,801,684	$ 2,001,203	$ 4,802,887
RE	$ 3,377.38	397.7	$ 8.49	$ 23,642	$ 16,887	$ 40,529
Total Impact on NJ Zones	**$ 633,403.86**			**$ 4,433,827**	**$ 3,167,019**	**$ 7,600,846**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

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 (88.94%) / ConEd (1.04%) / JCPL (9.38%) / Neptune* (0.64%)
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%)
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%)

Atlantic City Electric Company (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
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 (64.81%) / ConEd (0.65%) / JCPL (25.70%) / Neptune* (2.53%) / PSEG (6.31%)††
b0211	Reconductor Union - Corson 138kV circuit		AEC (64.81%) / ConEd (0.65%) / JCPL (25.70%) / Neptune* (2.53%) / PSEG (6.31%)
b0212	Substation upgrades at Union and Corson 138kV		AEC (64.81%) / ConEd (0.65%) / JCPL (25.70%) / Neptune* (2.53%) / PSEG (6.31%)

* 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)
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%)
b1244	Install 10 MVAR capacitor at Peermont 69 kV substation		AEC (100%)
b1245	Rebuild the Newport-South Millville 69 kV line		AEC (100%)

Atlantic City Electric Company (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

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.

PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for PEPCO Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**June 2016- May 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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 MAPP TX line - PEPCO portion	b0512	$ -	1.53%	3.54%	5.97%	0.25%	$0	$0	$0	$0	$0
Reconductor 23035 for Dickerson-Quince	b0367.1-2	$ 3,226,776	1.78%	2.67%	3.81%	0.00%	$57,437	$86,155	$122,940	$0	$266,532
Replace 230 1A breaker	b0512.7	$ 306,326	1.57%	3.57%	5.89%	0.24%	$4,809	$10,936	$18,043	$735	$34,523
Replace 230 1B breaker	b0512.8	$ 306,326	1.57%	3.57%	5.89%	0.24%	$4,809	$10,936	$18,043	$735	$34,523
Replace 230 2A breaker	b0512.9	$ 306,326	1.57%	3.57%	5.89%	0.24%	$4,809	$10,936	$18,043	$735	$34,523
Replace 230 3A breaker	b0512.12	$ 309,126	1.57%	3.57%	5.89%	0.24%	$4,853	$11,036	$18,208	$742	$34,839
Ritchie-Benning 230 lines	b0526	$ 9,177,493	0.77%	1.39%	2.10%	0.08%	$70,667	$127,567	$192,727	$7,342	$398,303
Totals							**$147,385**	**$257,565**	**$388,003**	**$10,289**	**$803,242**
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 16/17**	**2016TX Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 32,333.57	9,594.9	$ 3.37	$ 226,335	$ 161,668	$ 388,003
JCP&L	$ 21,463.78	5,818.1	$ 3.69	$ 150,246	$ 107,319	$ 257,565
ACE	$ 12,282.05	2,552.8	$ 4.81	$ 85,974	$ 61,410	$ 147,385
RE	$ 857.45	397.7	$ 2.16	$ 6,002	$ 4,287	$ 10,289
Total Impact on NJ Zones	**$ 66,936.85**			**$ 468,558**	**$ 334,684**	**$ 803,242**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

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 2nd 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 4th Ritchie 230/69 kV transformer		PEPCO (100%)
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%)

* 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)
b0367.2	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 (19.66%) / BGE (22.09%) / ConEd (0.18%) / DPL (3.69%) / JCPL (0.71%) / ME (2.48%) / Neptune* (0.06%) / PECO (5.53%) / PEPCO (41.78%) / 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%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

*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)
b0512.7	Advance n0772 (Replace Chalk Point 230 kV breaker (1A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.8	Advance n0773 (Replace Chalk Point 230 kV breaker (1B) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.9	Advance n0774 (Replace Chalk Point 230 kV breaker (2A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.11	Advance n0776 (Replace Chalk Point 230 kV breaker (2C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.12	Advance n0777 (Replace Chalk Point 230 kV breaker (3A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0512.13	Advance n0778 (Replace Chalk Point 230 kV breaker (3B) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.14	Advance n0779 (Replace Chalk Point 230 kV breaker (3C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.15	Advance n0780 (Replace Chalk Point 230 kV breaker (4A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.17	Advance n0782 (Replace Chalk Point 230 kV breaker (5A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.18	Advance n0783 (Replace Chalk Point 230 kV breaker (5B) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0512.19	Advance n0784 (Replace Chalk Point 230 kV breaker (6A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.20	Advance n0785 (Replace Chalk Point 230 kV breaker (6B) with 80 kA breaker		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.21	Advance n0786 (Replace Chalk Point 230 kV breaker (7B) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.23	Advance n0788 (Replace Chalk Point 230 kV breaker (8B) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.24	Advance n0789 (Replace Chalk Point 230 kV breaker (7A) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0512.25	Advance n0790 (Replace Chalk Point 230 Kv breaker (1C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.26	Advance n0791 (Replace Chalk Point 230 Kv breaker (4C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.27	Advance n0792 (Replace Chalk Point 230 Kv breaker (5C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0512.29	Advance n0794 (Replace Chalk Point 230 Kv breaker (7C) with 80 kA breaker)		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

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Potomac Electric Power Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0805	Advance n0262 (Replace Dickerson Station H Circuit Breaker 43A)		PEPCO (100%)
b0806	Advance n0264 (Replace Dickerson Station H Circuit Breaker 44A)		PEPCO (100%)
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%)

Potomac Electric Power Company (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0855	Replace Chalk Point 230 kV breaker (5A) with 80 kA breaker		PEPCO (100%)
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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** East Coast Power, L.L.C.

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%)

PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for PPL Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**June 2016- May 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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	$ 99,027,162.96	1.57%	3.57%	5.89%	0.24%	$1,554,726	$3,535,270	$5,832,700	$237,665	$11,160,361
Replace wave trap at Alburtus 500 kV Sub	b0171.2	$ 11,164.26	1.57%	3.57%	5.89%	0.24%	$175	$399	$658	$27	$1,258
Replace wavetrap at Hosensack 500KV Sub	b0172.1	$ 8,006.72	1.57%	3.57%	5.89%	0.24%	$126	$286	$472	$19	$902
Replace wavetraps at Juniata 500KV Sub	b0284.2	$ 16,193.17	1.57%	3.57%	5.89%	0.24%	$254	$578	$954	$39	$1,825
New S-R additions < 500kV[2]	b0487.1	$ 2,381,889.12	0.00%	0.00%	5.13%	0.19%	$0	$0	$122,191	$4,526	$126,717
New substation and transformers Middletown	b0468	$ 3,212,792.18	0.00%	4.55%	5.93%	0.22%	$0	$146,182	$190,519	$7,068	$343,769
Totals							**$1,555,282**	**$3,682,714**	**$6,147,492**	**$249,344**	**$11,634,832**
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 16/17**	**2016 Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 512,291.03	9,594.9	$ 53.39	$ 3,586,037	$ 2,561,455	$ 6,147,492
JCP&L	$ 306,892.86	5,818.1	$ 52.75	$ 2,148,250	$ 1,534,464	$ 3,682,714
ACE	$ 129,606.81	2,552.8	$ 50.77	$ 907,248	$ 648,034	$ 1,555,282
RE	$ 20,778.65	397.7	$ 52.25	$ 145,451	$ 103,893	$ 249,344
Total Impact on NJ Zones	**$ 969,569.34**			**$ 6,786,985**	**$ 4,847,847**	**$ 11,634,832**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0172.1	Replace wave trap at Alburtis 500kV substation		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
b0469	Install 130 MVAR capacitor at West Shore 230 kV line		PPL (100%)

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PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0487	Build new 500 kV transmission facilities from Susquehanna to Pennsylvania – New Jersey border at Bushkill		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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 kcmil ACSR with new 795 kcmil 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%)

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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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)
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%)

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PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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-Trexlertown #1 & #2 69 kV lines at East Texas Substation		PPL (100%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
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%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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%)

* 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)
b1757	Install a 230 kV motor-operated air-break switch on the Clinton - Elimsport 230 kV line		PPL (100%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1767	Install 6 motor-operated disconnect switches at Quarry substation		PPL (100%)
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%)

PPL Electric Utilities Corporation (cont.)

Required Transmission Enhancements | Annual Revenue Requirement | Responsible Customer(s)

b2004	Replace the CTs and switch in South Akron Bay 4 to increase the rating		PPL (100%)
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 (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / 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

PJM Schedule 12 - Transmission Enhancement Charges for July 2016 - June 2017
Calculation of costs and monthly PJM charges for AEP -East Projects

Attachment 2F

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
			Responsible Customers - Schedule 12 Appendix				**Estimated New Jersey EDC Zone Charges by Project**				
Required Transmission Enhancement *per PJM website*	**PJM Upgrade ID** *per PJM spreadsheet*	**July 2016 - June 2017 Annual Revenue Requirement** *per PJM website*	**ACE Zone Share[1]** *per PJM Open Access Transmission Tariff*	**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 765 KV circuit breakers at Hanging Rock Sub	b0504	$ 1,028,931	1.57%	3.57%	5.89%	0.24%	$16,154	$36,733	$60,604	$2,469	$115,961
Rockport Reactor Bank	b1465.2	$ 2,067,234	1.57%	3.57%	5.89%	0.24%	$32,456	$73,800	$121,760	$4,961	$232,977
Transpose Rockport- Sullivan 765KV line	b1465.3	$ 3,726,102	1.57%	3.57%	5.89%	0.24%	$58,500	$133,022	$219,467	$8,943	$419,932
Switching changes Sullivan 765KV station	b1465.4	$ 589,675	1.57%	3.57%	5.89%	0.24%	$9,258	$21,051	$34,732	$1,415	$66,456
765kV circuit breaker at Wyoming station	b1661	$ 495,890	1.57%	3.57%	5.89%	0.24%	$7,785	$17,703	$29,208	$1,190	$55,887
Term Tsfmr #2 @ SW Lima - new bay position	b1957	$ 2,398,646	0.00%	0.00%	4.52%	0.18%	$0	$0	$108,419	$4,318	$112,736
Reconductor/Rebuild Sporn-Waterford-Muskingham River 345 kV Line	b2017	$ 17,288,317	0.00%	1.39%	2.00%	0.08%	$0	$240,308	$345,766	$13,831	$599,905
Add four 765 kV Breakers at Kammar	b1962	$ 3,711,379	1.57%	3.57%	5.89%	0.24%	$58,269	$132,496	$218,600	$8,907	$418,272
Ft. Wayne Relocate	b1659.14	$ 5,864,110	1.57%	3.57%	5.89%	0.24%	$92,067	$209,349	$345,396	$14,074	$660,885
Sorenson 765/500kV Transformer	b1659	$ 5,279,934	0.00%	0.00%	0.92%	0.04%	$0	$0	$48,575	$2,112	$50,687
Sorenson Work 765kV	b1659.13	$ 4,514,116	1.57%	3.57%	5.89%	0.24%	$70,872	$161,154	$265,881	$10,834	$508,741
Baker Station 765/500kV Transformer	b1495	$ 3,748,292	0.41%	0.90%	1.48%	0.06%	$15,368	$33,735	$55,475	$2,249	$106,826
Cloverdale 765/500kV Transformer	b1660	$ 8,871,247	1.57%	3.57%	5.89%	0.24%	$139,279	$316,704	$522,516	$21,291	$999,790
Cloverdale 500kV Station	b1660.1	$ 6,511,233	1.57%	3.57%	5.89%	0.24%	$102,226	$232,451	$383,512	$15,627	$733,816
Jacksons-Ferry 765kV Breakers	b1663.2	$ 1,504,516	1.57%	3.57%	5.89%	0.24%	$23,621	$53,711	$88,616	$3,611	$169,559
Reconductor Cloverdale-Lexington 500kV	b1797.1	$ 2,931,406	1.57%	3.57%	5.89%	0.24%	$46,023	$104,651	$172,660	$7,035	$330,369
Reconductor West Bellaire	b1970	$ 2,696,371	0.00%	1.68%	2.87%	0.11%	$0	$45,299	$77,386	$2,966	$125,651
Totals							**$671,877**	**$1,812,167**	**$3,098,574**	**$125,833**	**$5,708,450**
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 16/17**	**2016TX Peak Load** *per PJM website*	**Rate in $/MW-mo.**	**2016 Impact (7 months)**	**2017 Impact (5 months)**	**2016-2017 Impact (12 months)**
PSE&G	$ 258,214.50	9,594.9	$ 26.91	$ 1,807,501	$ 1,291,072	$ 3,098,574
JCP&L	$ 151,013.89	5,818.1	$ 25.96	$ 1,057,097	$ 755,069	$ 1,812,167
ACE	$ 55,989.72	2,552.8	$ 21.93	$ 391,928	$ 279,949	$ 671,877
RE	$ 10,486.10	397.7	$ 26.37	$ 73,403	$ 52,430	$ 125,833
Total Impact on NJ Zones	**$ 475,704.21**			**$ 3,329,929**	**$ 2,378,521**	**$ 5,708,450**
Notes on calculations >>>			= (k) * (l)	= (k) * 7	= (k) * 5	= (n) * (o)

Notes:
1) 2016 allocation share percentages are from PJM OATT
2) Percentage allocation for regional projects (columns b-e) will change on January 1, 2017, however resultant customer rates will not be changed.

SCHEDULE 12 – APPENDIX

(17) AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0318	Install a 765/138 kV transformer at Amos		AEP (99.00%) / PEPCO (1.00%)
b0324	Replace entrance conductors, wave traps, and risers at the Tidd 345 kV station on the Tidd – Canton Central 345 kV circuit		AEP (100%)
b0447	Replace Cook 345 kV breaker M2		AEP (100%)
b0448	Replace Cook 345 kV breaker N2		AEP (100%)
b0490	Construct an Amos – Bedington 765 kV circuit (AEP equipment)	As specified under the procedures detailed in Attachment H-19B	AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

* Neptune Regional Transmission System, LLC
** East Coast Power, L.L.C.

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0490.2	Replace Amos 138 kV breaker ‘B’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0490.3	Replace Amos 138 kV breaker ‘B1’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0490.4	Replace Amos 138 kV breaker ‘C’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0490.5	Replace Amos 138 kV breaker ‘C1’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0490.6	Replace Amos 138 kV breaker ‘D’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0490.7	Replace Amos 138 kV breaker ‘D2’		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0490.8	Replace Amos 138 kV breaker 'E'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0490.9	Replace Amos 138 kV breaker 'E2'		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0504	Add two advanced technology circuit breakers at Hanging Rock 765 kV to improve operational performance		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0570	Reconductor East Side Lima – Sterling 138 kV		AEP (41.99%) / ComEd (58.01%)
b0571	Reconductor West Millersport – Millersport 138 kV		AEP (73.83%) / ComEd (19.26%) / Dayton (6.91%)
b0748	Establish a new 69 kV circuit between the Canal Road and East Wooster stations, establish a new 69 kV circuit between the West Millersburg and Moreland Switch stations (via Shreve), add reactive support via cap banks		AEP (100%)
b0838	Hazard Area 138 kV and 69 kV Improvement Projects		AEP (100%)
b0839	Replace existing 450 MVA transformer at Twin Branch 345 / 138 kV with a 675 MVA transformer		AEP (99.73%) / Dayton (0.27%)
b0840	String a second 138 kV circuit on the open tower position between Twin Branch and East Elkhart		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b0840.1	Establish a new 138/69-34.5kV Station to interconnect the existing 34.5kV network		AEP (100%)
b0917	Replace Baileysville 138 kV breaker 'P'		AEP (100%)
b0918	Replace Riverview 138 kV breaker '634'		AEP (100%)
b0919	Replace Torrey 138 kV breaker 'W'		AEP (100%)
b1032.1	Construct a new 345/138kV station on the Marquis-Bixby 345kV line near the intersection with Ross - Highland 69kV		AEP (89.97%) / Dayton (10.03%)
b1032.2	Construct two 138kV outlets to Delano 138kV station and to Camp Sherman station		AEP (89.97%) / Dayton (10.03%)
b1032.3	Convert Ross - Circleville 69kV to 138kV		AEP (89.97%) / Dayton (10.03%)
b1032.4	Install 138/69kV transformer at new station and connect in the Ross - Highland 69kV line		AEP (89.97%) / Dayton (10.03%)
b1033	Add a third delivery point from AEP's East Danville Station to the City of Danville.		AEP (100%)
b1034.1	Establish new South Canton - West Canton 138kV line (replacing Torrey - West Canton) and Wagenhals – Wayview 138kV		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1034.2	Loop the existing South Canton - Wayview 138kV circuit in-and-out of West Canton		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.3	Install a 345/138kV 450 MVA transformer at Canton Central		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.4	Rebuild/reconductor the Sunnyside - Torrey 138kV line		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.5	Disconnect/eliminate the West Canton 138kV terminal at Torrey Station		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.6	Replace all 138kV circuit breakers at South Canton Station and operate the station in a breaker and a half configuration		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.7	Replace all obsolete 138kV circuit breakers at the Torrey and Wagenhals stations		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1034.8	Install additional 138kV circuit breakers at the West Canton, South Canton, Canton Central, and Wagenhals stations to accommodate the new circuits		AEP (96.01%) / APS (0.62%) / ComEd (0.19%) / Dayton (0.44%) / DL (0.13%) / PENELEC (2.61%)
b1035	Establish a third 345kV breaker string in the West Millersport Station. Construct a new West Millersport – Gahanna 138kV circuit. Miscellaneous improvements to 138kV transmission system.		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1036	Upgrade terminal equipment at Poston Station and update remote end relays		AEP (100%)
b1037	Sag check Bonsack–Cloverdale 138 kV, Cloverdale–Centerville 138kV, Centerville–Ivy Hill 138kV, Ivy Hill–Reusens 138kV, Bonsack–Reusens 138kV and Reusens–Monel–Gomingo–Joshua Falls 138 kV.		AEP (100%)
b1038	Check the Crooksville - Muskingum 138 kV sag and perform the required work to improve the emergency rating		AEP (100%)
b1039	Perform a sag study for the Madison – Cross Street 138 kV line and perform the required work to improve the emergency rating		AEP (100%)
b1040	Rebuild an 0.065 mile section of the New Carlisle – Olive 138 kV line and change the 138 kV line switches at New Carlisle		AEP (100%)
b1041	Perform a sag study for the Moseley - Roanoke 138 kV to increase the emergency rating		AEP (100%)
b1042	Perform sag studies to raise the emergency rating of Amos – Poca 138kV		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1043	Perform sag studies to raise the emergency rating of Turner - Ruth 138kV		AEP (100%)
b1044	Perform sag studies to raise the emergency rating of Kenova – South Point 138kV		AEP (100%)
b1045	Perform sag studies of Tri State - Darrah 138 kV		AEP (100%)
b1046	Perform sag study of Scottsville – Bremo 138kV to raise the emergency rating		AEP (100%)
b1047	Perform sag study of Otter Switch - Altavista 138kV to raise the emergency rating		AEP (100%)
b1048	Reconductor the Bixby - Three C - Groves and Bixby - Groves 138 kV tower line		AEP (100%)
b1049	Upgrade the risers at the Riverside station to increase the rating of Benton Harbor – Riverside 138kV		AEP (100%)
b1050	Rebuilding and reconductor the Bixby – Pickerington Road - West Lancaster 138 kV line		AEP (100%)
b1051	Perform a sag study for the Kenzie Creek – Pokagon 138 kV line and perform the required work to improve the emergency rating		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1052	Unsix-wire the existing Hyatt - Sawmill 138 kV line to form two Hyatt - Sawmill 138 kV circuits		AEP (100%)
b1053	Perform a sag study and remediation of 32 miles between Claytor and Matt Funk.		AEP (100%)
b1091	Add 28.8 MVAR 138 kV capacitor bank at Huffman and 43.2 MVAR 138 kV Bank at Jubal Early and 52.8 MVAR 138 kV Bank at Progress Park Stations		AEP (100%)
b1092	Add 28.8 MVAR 138 kV capacitor bank at Sullivan Gardens and 52.8 MVAR 138 kV Bank at Reedy Creek Stations		AEP (100%)
b1093	Add a 43.2 MVAR capacitor bank at the Morgan Fork 138 kV Station		AEP (100%)
b1094	Add a 64.8 MVAR capacitor bank at the West Huntington 138 kV Station		AEP (100%)
b1108	Replace Ohio Central 138 kV breaker ‘C2’		AEP (100%)
b1109	Replace Ohio Central 138 kV breaker ‘D1’		AEP (100%)
b1110	Replace Sporn A 138 kV breaker ‘J’		AEP (100%)
b1111	Replace Sporn A 138 kV breaker ‘J2’		AEP (100%)
b1112	Replace Sporn A 138 kV breaker ‘L’		AEP (100%)
b1113	Replace Sporn A 138 kV breaker ‘L1’		AEP (100%)
b1114	Replace Sporn A 138 kV breaker ‘L2’		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1115	Replace Sporn A 138 kV breaker 'N'		AEP (100%)
b1116	Replace Sporn A 138 kV breaker 'N2'		AEP (100%)
b1227	Perform a sag study on Altavista – Leesville 138 kV circuit		AEP (100%)
b1231	Replace the existing 138/69-12 kV transformer at West Moulton Station with a 138/69 kV transformer and a 69/12 kV transformer		AEP (96.69%) / Dayton (3.31%)
b1375	Replace Roanoke 138 kV breaker 'T'		AEP (100%)
b1376	Replace Roanoke 138 kV breaker 'E'		AEP (100%)
b1377	Replace Roanoke 138 kV breaker 'F'		AEP (100%)
b1378	Replace Roanoke 138 kV breaker 'G'		AEP (100%)
b1379	Replace Roanoke 138 kV breaker 'B'		AEP (100%)
b1380	Replace Roanoke 138 kV breaker 'A'		AEP (100%)
b1381	Replace Olive 345 kV breaker 'E'		AEP (100%)
b1382	Replace Olive 345 kV breaker 'R2'		AEP (100%)
b1416	Perform a sag study on the Desoto – Deer Creek 138 kV line to increase the emergency rating		AEP (100%)
b1417	Perform a sag study on the Delaware – Madison 138 kV line to increase the emergency rating		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1418	Perform a sag study on the Rockhill – East Lima 138 kV line to increase the emergency rating		AEP (100%)
b1419	Perform a sag study on the Findlay Center – Fostoria Ctl 138 kV line to increase the emergency rating		AEP (100%)
b1420	A sag study will be required to increase the emergency rating for this line. Depending on the outcome of this study, more action may be required in order to increase the rating		AEP (100%)
b1421	Perform a sag study on the Sorenson – McKinley 138 kV line to increase the emergency rating		AEP (100%)
b1422	Perform a sag study on John Amos – St. Albans 138 kV line to allow for operation up to its conductor emergency rating		AEP (100%)
b1423	A sag study will be performed on the Chemical – Capitol Hill 138 kV line to determine if the emergency rating can be utilized		AEP (100%)
b1424	Perform a sag study for Benton Harbor – West Street – Hartford 138 kV line to improve the emergency rating		AEP (100%)
b1425	Perform a sag study for the East Monument – East Danville 138 kV line to allow for operation up to the conductor's maximum operating temperature		AEP (100%)
b1426	Perform a sag study for the Reusens – Graves 138 kV line to allow for operation up to the conductor's maximum operating temperature		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1427	Perform a sag study on Smith Mountain – Leesville – Altavista – Otter 138 kV and on Boones – Forest – New London – JohnsMT – Otter		AEP (100%)
b1428	Perform a sag study on Smith Mountain – Candlers Mountain 138 kV and Joshua Falls – Cloverdale 765 kV to allow for operation up to		AEP (100%)
b1429	Perform a sag study on Fremont – Clinch River 138 kV to allow for operation up to its conductor emergency ratings		AEP (100%)
b1430	Install a new 138 kV circuit breaker at Benton Harbor station and move the load from Watervliet 34.5 kV station to West street 138 kV		AEP (100%)
b1432	Perform a sag study on the Kenova – Tri State 138 kV line to allow for operation up to their conductor emergency rating		AEP (100%)
b1433	Replace risers in the West Huntington Station to increase the line ratings which would eliminate the overloads for the contingencies listed		AEP (100%)
b1434	Perform a sag study on the line from Desoto to Madison. Replace bus and risers at Daleville station and replace bus and risers at Madison		AEP (100%)
b1435	Replace the 2870 MCM ACSR riser at the Sporn station		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1436	Perform a sag study on the Sorenson – Illinois Road 138 kV line to increase the emergency MOT for this line. Replace bus and risers at Illinois Road		AEP (100%)
b1437	Perform sag study on Rock Cr. – Hummel Cr. 138 kV to increase the emergency MOT for the line, replace bus and risers at Huntington J., and replace relays for Hummel Cr. – Hunt – Soren. Line at Soren		AEP (100%)
b1438	Replacement of risers at McKinley and Industrial Park stations and performance of a sag study for the 4.53 miles of 795 ACSR section is expected to improve the Summer Emergency rating to 335 MVA		AEP (100%)
b1439	By replacing the risers at Lincoln both the Summar Normal and Summer Emergency ratings will improve to 268 MVA		AEP (100%)
b1440	By replacing the breakers at Lincoln the Summer Emergency rating will improve to 251 MVA		AEP (100%)
b1441	Replacement of risers at South Side and performance of a sag study for the 1.91 miles of 795 ACSR section is expected to improve the Summer Emergency rating to 335 MVA		AEP (100%)
b1442	Replacement of 954 ACSR conductor with 1033 ACSR and performance of a sag study for the 4.54 miles of 2-636 ACSR section is expected		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1443	Station work at Thelma and Busseyville Stations will be performed to replace bus and risers		AEP (100%)
b1444	Perform electrical clearance studies on Clinch River – Clinchfield 139 kV line (a.k.a. sag studies) to determine if the emergency ratings can be utilized		AEP (100%)
b1445	Perform a sag study on the Addison (Buckeye CO-OP) – Thinever and North Crown City – Thivener 138 kV sag study and switch		AEP (100%)
b1446	Perform a sag study on the Parkersburg (Allegheny Power) – Belpre (AEP) 138 kV		AEP (100%)
b1447	Dexter – Elliot tap 138 kV sag check		AEP (100%)
b1448	Dexter – Meigs 138 kV Electrical Clearance Study		AEP (100%)
b1449	Meigs tap – Rutland 138 kV sag check		AEP (100%)
b1450	Muskingum – North Muskingum 138 kV sag check		AEP (100%)
b1451	North Newark – Sharp Road 138 kV sag check		AEP (100%)
b1452	North Zanesville – Zanesville 138 kV sag check		AEP (100%)
b1453	North Zanesville – Powelson and Ohio Central – Powelson 138 kV sag check		AEP (100%)
b1454	Perform an electrical clearance study on the Ross – Delano – Scioto Trail 138 kV line to determine if the emergency rating can be utilized		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1455	Perform a sag check on the Sunny – Canton Central – Wagenhals 138 kV line to determine if all circuits can be operated at their summer emergency rating		AEP (100%)
b1456	The Tidd – West Bellaire 345 kV circuit has been de-rated to its normal rating and would need an electrical clearance study to determine if the emergency rating can be utilized		AEP (100%)
b1457	The Tiltonsville – Windsor 138 kV circuit has been derated to its normal rating and would need an electrical clearance study to determine if the emergency rating could be utilized		AEP (100%)
b1458	Install three new 345 kV breakers at Bixby to separate the Marquis 345 kV line and transformer #2. Operate Circleville – Harrison 138 kV and Harrison – Zuber 138 kV up to conductor emergency ratings		AEP (100%)
b1459	Several circuits have been de-rated to their normal conductor ratings and could benefit from electrical clearance studies to determine if the emergency rating could be utilized		AEP (100%)
b1460	Replace 2156 & 2874 risers		AEP (100%)
b1461	Replace meter, metering CTs and associated equipment at the Paden City feeder		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1462	Replace relays at both South Cadiz 138 kV and Tidd 138 kV		AEP (100%)
b1463	Reconductor the Bexley – Groves 138 kV circuit		AEP (100%)
b1464	Corner 138 kV upgrades		AEP (100%)
b1465.1	Add a 3rd 2250 MVA 765/345 kV transformer at Sullivan station		AEC (0.71%) / AEP (75.06%) / APS (1.25%) / BGE (1.81%) / ComEd (5.91%) / Dayton (0.86%) / DL (1.23%) / DPL (0.95%) / Dominion (3.89%) / JCPL (1.58%) / NEPTUNE (0.15%) / HTP (0.07%) / PECO (2.08%) / PEPCO (1.66%) / ECP (0.07%)** / PSEG (2.62%) / RE (0.10%)
b1465.2	Replace the 100 MVAR 765 kV shunt reactor bank on Rockport – Jefferson 765 kV line with a 300 MVAR bank at Rockport Station		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1465.3	Transpose the Rockport – Sullivan 765 kV line and the Rockport – Jefferson 765 kV line		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1465.4	Make switching improvements at Sullivan and Jefferson 765 kV stations		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1466.1	Create an in and out loop at Adams Station by removing the hard tap that currently exists		AEP (100%)
b1466.2	Upgrade the Adams transformer to 90 MVA		AEP (100%)
b1466.3	At Seaman Station install a new 138 kV bus and two new 138 kV circuit breakers		AEP (100%)
b1466.4	Convert South Central Co-op's New Market 69 kV Station to 138 kV		AEP (100%)
b1466.5	The Seaman – Highland circuit is already built to 138 kV, but is currently operating at 69 kV, which would now increase to 138 kV		AEP (100%)
b1466.6	At Highland Station, install a new 138 kV bus, three new 138 kV circuit breakers and a new 138/69 kV 90 MVA transformer		AEP (100%)
b1466.7	Using one of the bays at Highland, build a 138 kV circuit from Hillsboro – Highland 138 kV, which is approximately 3 miles		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1467.1	Install a 14.4 MVAr Capacitor Bank at New Buffalo station		AEP (100%)
b1467.2	Reconfigure the 138 kV bus at LaPorte Junction station to eliminate a contingency resulting in loss of two 138 kV sources serving the LaPorte area		AEP (100%)
b1468.1	Expand Selma Parker Station and install a 138/69/34.5 kV transformer		AEP (100%)
b1468.2	Rebuild and convert 34.5 kV line to Winchester to 69 kV, including Farmland Station		AEP (100%)
b1468.3	Retire the 34.5 kV line from Haymond to Selma Wire		AEP (100%)
b1469.1	Conversion of the Newcomerstown – Cambridge 34.5 kV system to 69 kV operation		AEP (100%)
b1469.2	Expansion of the Derwent 69 kV Station (including reconfiguration of the 69 kV system)		AEP (100%)
b1469.3	Rebuild 11.8 miles of 69 kV line, and convert additional 34.5 kV stations to 69 kV operation		AEP (100%)
b1470.1	Build a new 138 kV double circuit off the Kanawha – Bailysville #2 138 kV circuit to Skin Fork Station		AEP (100%)
b1470.2	Install a new 138/46 kV transformer at Skin Fork		AEP (100%)
b1470.3	Replace 5 Moab's on the Kanawha – Baileysville line with breakers at the Sundial 138 kV station		AEP (100%)
b1471	Perform a sag study on the East Lima – For Lima – Rockhill 138 kV line to increase the emergency rating		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1472	Perform a sag study on the East Lima – Haviland 138 kV line to increase the emergency rating		AEP (100%)
b1473	Perform a sag study on the East New Concord – Muskingum River section of the Muskingum River – West Cambridge 138 kV circuit		AEP (100%)
b1474	Perform a sag study on the Ohio Central – Prep Plant tap 138 kV circuit		AEP (100%)
b1475	Perform a sag study on the S73 – North Delphos 138 kV line to increase the emergency rating		AEP (100%)
b1476	Perform a sag study on the S73 – T131 138 kV line to increase the emergency rating		AEP (100%)
b1477	The Natrium – North Martin 138 kV circuit would need an electrical clearance study among other equipment upgrades		AEP (100%)
b1478	Upgrade Strouds Run – Strounds Tap 138 kV relay and riser		AEP (100%)
b1479	West Hebron station upgrades		AEP (100%)
b1480	Perform upgrades and a sag study on the Corner – Layman 138 kV section of the Corner – Muskingum River 138 kV circuit		AEP (100%)
b1481	Perform a sag study on the West Lima – Eastown Road – Rockhill 138 kV line and replace the 138 kV risers at Rockhill station to increase the emergency rating		AEP (100%)
b1482	Perform a sag study for the Albion – Robison Park 138 kV line to increase its emergency rating		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1483	Sag study 1 mile of the Clinch River – Saltville 138 kV line and replace the risers and bus at Clinch River, Lebanon, and Elk Garden Stations		AEP (100%)
b1484	Perform a sag study on the Hacienda – Harper 138 kV line to increase the emergency rating		AEP (100%)
b1485	Perform a sag study on the Jackson Road – Concord 183 kV line to increase the emergency rating		AEP (100%)
b1486	The Matt Funk – Poages Mill – Starkey 138 kV line requires		AEP (100%)
b1487	Perform a sag study on the New Carlisle – Trail Creek 138 kV line to increase the emergency rating		AEP (100%)
b1488	Perform a sag study on the Olive – LaPorte Junction 138 kV line to increase the emergency rating		AEP (100%)
b1489	A sag study must be performed for the 5.40 mile Tristate – Chadwick 138 kV line to determine if a higher emergency rating can be used		AEP (100%)
b1490.1	Establish a new 138/69 kV Butler Center station		AEP (100%)
b1490.2	Build a new 14 mile 138 kV line from Auburn station to Woods Road station VIA Butler Center station		AEP (100%)
b1490.3	Replace the existing 40 MVA 138/69 kV transformer at Auburn station with a 90 MVA 138/96 kV transformer		AEP (100%)
b1490.4	Improve the switching arrangement at Kendallville station		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1491	Replace bus and risers at Thelma and Busseyville stations and perform a sag study for the Big Sandy – Busseyville 138 kV line		AEP (100%)
b1492	Reconductor 0.65 miles of the Glen Lyn – Wythe 138 kV line with 3 – 1590 ACSR		AEP (100%)
b1493	Perform a sag study for the Bellfonte – Grantston 138 kV line to increase its emergency rating		AEP (100%)
b1494	Perform a sag study for the North Proctorville – Solida – Bellefonte 138 kV line to increase its emergency rating		AEP (100%)
b1495	Add an additional 765/345 kV transformer at Baker Station		AEC (0.41%) / AEP (87.22%) / BGE (1.03%) / ComEd (3.38%) / Dayton (1.23%) / DL (1.46%) / DPL (0.54%) / JCPL (0.90%) / NEPTUNE (0.09%) / HTP (0.04%) / PECO (1.18%) / PEPCO (0.94%) / ECP** (0.04%) / PSEG (1.48%) / RE (0.06%)
b1496	Replace 138 kV bus and risers at Johnson Mountain Station		AEP (100%)
b1497	Replace 138 kV bus and risers at Leesville Station		AEP (100%)
b1498	Replace 138 kV risers at Wurno Station		AEP (100%)
b1499	Perform a sag study on Sporn A – Gavin 138 kV to determine if the emergency rating can be improved		AEP (100%)
b1500	The North East Canton – Wagenhals 138 kV circuit would need an electrical clearance study to determine if the emergency rating can be utilized		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1501	The Moseley – Reusens 138 kV circuit requires a sag study to determine if the emergency rating can be utilized to address a thermal loading issue for a category C3		AEP (100%)
b1502	Reconductor the Conesville East – Conesville Prep Plant Tap 138 kV section of the Conesville – Ohio Central to fix Reliability N-1-1 thermal overloads		AEP (100%)
b1659	Establish Sorenson 345/138 kV station as a 765/345 kV station		AEP (93.61%) / ATSI (2.99%) / ComEd (2.07%) / HTP (0.03%) / PENELEC (0.31%) / ECP** (0.03%) / PSEG (0.92%) / RE (0.04%)
b1659.1	Replace Sorenson 138 kV breaker 'L1'		AEP (100%)
b1659.2	Replace Sorenson 138 kV breaker 'L2' breaker		AEP (100%)
b1659.3	Replace Sorenson 138 kV breaker 'M1'		AEP (100%)
b1659.4	Replace Sorenson 138 kV breaker 'M2'		AEP (100%)
b1659.5	Replace Sorenson 138 kV breaker 'N1'		AEP (100%)
b1659.6	Replace Sorenson 138 kV breaker 'N2'		AEP (100%)
b1659.7	Replace Sorenson 138 kV breaker 'O1'		AEP (100%)
b1659.8	Replace Sorenson 138 kV breaker 'O2'		AEP (100%)
b1659.9	Replace Sorenson 138 kV breaker 'M'		AEP (100%)
b1659.10	Replace Sorenson 138 kV breaker 'N'		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1659.11	Replace Sorenson 138 kV breaker 'O'		AEP (100%)
b1659.12	Replace McKinley 138 kV breaker 'L1'		AEP (100%)
b1659.13	Establish 765 kV yard at Sorenson and install four 765 kV breakers		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1659.14	Build approximately 14 miles of 765 kV line from existing Dumont - Marysville line		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1660	Install a 765/500 kV transformer at Cloverdale		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1661	Install a 765 kV circuit breaker at Wyoming station		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1662	Rebuild 4 miles of 46 kV line to 138 kV from Pemberton to Cherry Creek		AEP (100%)
b1662.1	Circuit Breakers are installed at Cherry Creek (facing Pemberton) and at Pemberton (facing Tams Mtn. and Cherry Creek)		AEP (100%)
b1662.2	Install three 138 kV breakers at Grandview Station (facing Cherry Creek, Hinton, and Bradley Stations)		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1662.3	Remove Sullivan Switching Station (46 kV)		AEP (100%)
b1663	Install a new 765/138 kV transformer at Jackson Ferry substation		AEP (100%)
b1663.1	Establish a new 10 mile double circuit 138 kV line between Jackson Ferry and Wythe		AEP (100%)
b1663.2	Install 2 765 kV circuit breakers, breaker disconnect switches and associated bus work for the new 765 kV breakers, and new relays for the 765 kV breakers at Jackson's Ferry		AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (12.38%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / EKPC (2.14%) / HTP*** (0.20%) / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b1664	Install switched capacitor banks at Kenwood 138 kV stations		AEP (100%)
b1665	Install a second 138/69 kV transformer at Thelma station		AEP (100%)
b1665.1	Construct a single circuit 69 kV line from West Paintsville to the new Paintsville station		AEP (100%)
b1665.2	Install new 7.2 MVAR, 46 kV bank at Kenwood Station		AEP (100%)
b1666	Build an 8 breaker 138 kV station tapping both circuits of the Fostoria - East Lima 138 kV line		AEP (90.65%) / Dayton (9.35%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1667	Establish Melmore as a switching station with both 138 kV circuits terminating at Melmore. Extend the double circuit 138 kV line from Melmore to Fremont Center		AEP (100%)
b1668	Revise the capacitor setting at Riverside 138 kV station		AEP (100%)
b1669	Capacitor setting changes at Ross 138 kV stations		AEP (100%)
b1670	Capacitor setting changes at Wooster 138 kV station		AEP (100%)
b1671	Install four 138 kV breakers in Danville area		AEP (100%)
b1676	Replace Natrium 138 kV breaker 'G (rehab)'		AEP (100%)
b1677	Replace Huntley 138 kV breaker '106'		AEP (100%)
b1678	Replace Kammer 138 kV breaker 'G'		AEP (100%)
b1679	Replace Kammer 138 kV breaker 'H'		AEP (100%)
b1680	Replace Kammer 138 kV breaker 'J'		AEP (100%)
b1681	Replace Kammer 138 kV breaker 'K'		AEP (100%)
b1682	Replace Kammer 138 kV breaker 'M'		AEP (100%)
b1683	Replace Kammer 138 kV breaker 'N'		AEP (100%)
b1684	Replace Clinch River 138 kV breaker 'E1'		AEP (100%)
b1685	Replace Lincoln 138 kV breaker 'D'		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1687	Advance s0251.7 (Replace Corrid 138 kV breaker '104S')		AEP (100%)
b1688	Advance s0251.8 (Replace Corrid 138 kV breaker '104C')		AEP (100%)
b1712.1	Perform sag study on Altavista - Leesville 138 kV line		Dominion (75.30%) / PEPCO (24.70%)
b1712.2	Rebuild the Altavista - Leesville 138 kV line		Dominion (75.30%) / PEPCO (24.70%)
b1733	Perform a sag study of the Bluff Point - Jauy 138 kV line. Upgrade breaker, wavetrap, and risers at the terminal ends		AEP (100%)
b1734	Perform a sag study of Randoph - Hodgins 138 kV line. Upgrade terminal equipment		AEP (100%)
b1735	Perform a sag study of R03 - Magely 138 kV line. Upgrade terminal equipment		AEP (100%)
b1736	Perform a sag study of the Industrial Park - Summit 138 kV line		AEP (100%)
b1737	Sag study of Newcomerstown - Hillview 138 kV line. Upgrade - terminal equipment		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1738	Perform a sag study of the Wolf Creek - Layman 138 kV line. - Upgrade terminal equipment including a 138 kV breaker and wavetrap		AEP (100%)
b1739	Perform a sag study of the Ohio Central - West Trinway 138 kV line		AEP (100%)
b1741	Replace Beatty 138 kV breaker '2C(IPP)'		AEP (100%)
b1742	Replace Beatty 138 kV breaker '1E'		AEP (100%)
b1743	Replace Beatty 138 kV breaker '2E'		AEP (100%)
b1744	Replace Beatty 138 kV breaker '3C'		AEP (100%)
b1745	Replace Beatty 138 kV breaker '2W'		AEP (100%)
b1746	Replace St. Claire 138 kV breaker '8'		AEP (100%)
b1747	Replace Cloverdale 138 kV breaker 'C'		AEP (100%)
b1748	Replace Cloverdale 138 kV breaker 'D1'		AEP (100%)
b1780	Install two 138kV breakers and two 138kV circuit switchers at South Princeton Station and one 138kV breaker and one 138kV circuit switcher at Switchback Station		AEP (100%)
b1781	Install three 138 kV breakers and a 138kV circuit switcher at Trail Fork Station in Pineville, WV		AEP (100%)
b1782	Install a 46kV Moab at Montgomery Station facing Carbondale (on the London - Carbondale 46 kV circuit)		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1783	Add two 138 kV Circuit Breakers and two 138 kV circuit switchers on the Lonesome Pine - South Bluefield 138 kV line		AEP (100%)
b1784	Install a 52.8 MVAR capacitor bank at the Clifford 138 kV station		AEP (100%)
b1811.1	Perform a sag study of 4 miles of the Waterford - Muskingum line		AEP (100%)
b1811.2	Rebuild 0.1 miles of Waterford - Muskingum 345 kV with 1590 ACSR		AEP (100%)
b1812	Reconductor the AEP portion of the South Canton - Harmon 345 kV with 954 ACSR and upgrade terminal equipment at South Canton. Expected rating is 1800 MVA S/N and 1800 MVA S/E		AEP (100%)
b1817	Install (3) 345 kV circuit breakers at East Elkhart station in ring bus designed as a breaker and half scheme		AEP (100%)
b1818	Expand the Allen station by installing a second 345/138 kV transformer and adding four 138 kV exits by cutting in the Lincoln - Sterling and Milan - Timber Switch 138 kV double circuit tower line		AEP (88.30%) / ATSI (8.86%) / Dayton (2.84%)
b1819	Rebuild the Robinson Park - Sorenson 138 kV line corridor as a 345 kV double circuit line with one side operated at 345 kV and one side at 138 kV		AEP (87.18%) / ATSI (10.06%) / Dayton (2.76%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1859	Perform a sag study for Hancock - Cave Spring - Roanoke 138 kV circuit to reach new SE ratings of 272MVA (Cave Spring-Hancock), 205MVA (Cave Spring-Sunscape), 245MVA (ROANO2-Sunscape)		AEP (100%)
b1860	Perform a sag study on the Crooksville - Spencer Ridge section (14.3 miles) of the Crooksville-Poston-Strouds Run 138 kV circuit to see if any remedial action needed to reach the SE rating (175MVA)		AEP (100%)
b1861	Reconductor 0.83 miles of the Dale - West Canton 138 kV Tie-line and upgrade risers at West Canton 138 kV		AEP (100%)
b1862	Perform a sag study on the Grant - Greentown 138 kV circuit and replace the relay CT at Grant 138 kV station to see if any remedial action needed to reach the new ratings of 251/286MVA		AEP (100%)
b1863	Perform a sag study of the Kammer - Wayman SW 138 kV line to see if any remedial action needed to reach the new SE rating of 284MVA		AEP (100%)
b1864.1	Add two additional 345/138 kV transformers at Kammer		AEP (87.22%) / APS (8.22%) / ATSI (3.52%) / DL (1.04%)
b1864.2	Add second West Bellaire - Brues 138 kV circuit		AEP (87.22%) / APS (8.22%) / ATSI (3.52%) / DL (1.04%)
b1864.3	Replace Kammer 138 kV breaker 'E'		AEP (100%)

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SCHEDULE 12 – APPENDIX A

(17) AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1660.1	Cloverdale: install 6-765 kV breakers, incremental work for 2 additional breakers, reconfigure and relocate miscellaneous facilities, establish 500 kV station and 500 kV tie with 765 kV station		**Load-Ratio Share Allocation:** AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (*12.38*%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / *EKPC (*2.14*%) / HTP*** (0.20%) /* JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
			DFAX Allocation: APS (48.49%) / DEOK (0.24%) / Dominion (0.65%) / EKPC (0.07%) / PEPCO (50.55%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b1797.1	Reconductor the AEP portion of the Cloverdale - Lexington 500 kV line with 2-1780 ACSS		**Load-Ratio Share Allocation:** AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (*12.38*%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / *EKPC (*2.14*%) / HTP*** (0.20%)* / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
			DFAX Allocation: AEP (2.91%) / APS (30.76%) / ATSI (1.41%) / BGE (23.12%) / Dayton (0.32%) / DEOK (1.28%) / Dominion (3.94%) / EKPC (0.40%) / PEPCO (35.88%)
b2055	Upgrade relay at Brues station		AEP (100%)
b2122.3	Upgrade terminal equipment at Howard on the Howard - Brookside 138 kV line to achieve ratings of 252/291 (SN/SE)		AEP (100%)
b2122.4	Perform a sag study on the Howard - Brookside 138 kV line		AEP (100%)
b2229	Install a 300 MVAR reactor at Dequine 345 kV		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2230	Replace existing 150 MVAR reactor at Amos 765 kV substation on Amos - N. Proctorville - Hanging Rock with 300 MVAR reactor		**Load-Ratio Share Allocation:** AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (*12.38*%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / *EKPC (*2.14*%) / HTP*** (0.20%)* / JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
			DFAX Allocation: AEP (100%)
b2231	Install 765 kV reactor breaker at Dumont 765 kV substation on the Dumont - Wilton Center line		AEP (100%)
b2232	Install 765 kV reactor breaker at Marysville 765 kV substation on the Marysville - Maliszewski line		AEP (100%)
b2233	Change transformer tap settings for the Baker 765/345 kV transformer		AEP (100%)
b2252	Loop the North Muskingum - Crooksville 138 kV line into AEP's Philo 138 kV station which lies approximately 0.4 miles from the line		AEP (100%)

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Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b2253	Install an 86.4 MVAR capacitor bank at Gorsuch 138 kV station in Ohio		AEP (100%)
b2254	Rebuild approximately 4.9 miles of Corner - Degussa 138 kV line in Ohio		AEP (100%)
b2255	Rebuild approximately 2.8 miles of Maliszewski - Polaris 138 kV line in Ohio		AEP (100%)
b2256	Upgrade approximately 36 miles of 138 kV through path facilities between Harrison 138 kV station and Ross 138 kV station in Ohio		AEP (100%)
b2257	Rebuild the Pokagon - Corey 69 kV line as a double circuit 138 kV line with one side at 69 kV and the other side as an express circuit between Pokagon and Corey stations		AEP (100%)
b2258	Rebuild 1.41 miles of #2 CU 46 kV line between Tams Mountain - Slab Fork to 138 kV standards. The line will be strung with 1033 ACSR		AEP (100%)
b2259	Install a new 138/69 kV transformer at George Washington 138/69 kV substation to provide support to the 69 kV system in the area		AEP (100%)
b2286	Rebuild 4.7 miles of Muskingum River - Wolf Creek 138 kV line and remove the 138/138 kV transformer at Wolf Creek Station		AEP (100%)

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Required Transmission Enhancements   Annual Revenue Requirement   Responsible Customer(s)

b2287	Loop in the Meadow Lake - Olive 345 kV circuit into Reynolds 765/345 kV station		AEP (100%)
b2344.1	Establish a new 138/12 kV station, transfer and consolidate load from its Nicholsville and Marcellus 34.5 kV stations at this new station		AEP (100%)
b2344.2	Tap the Hydramatic – Valley 138 kV circuit (~ structure 415), build a new 138 kV line (~3.75 miles) to this new station		AEP (100%)
b2344.3	From this station, construct a new 138 kV line (~1.95 miles) to REA's Marcellus station		AEP (100%)
b2344.4	From REA's Marcellus station construct new 138 kV line (~2.35 miles) to a tap point on Valley – Hydramatic 138 kV ckt (~structure 434)		AEP (100%)
b2344.5	Retire sections of the 138 kV line in between structure 415 and 434 (~ 2.65 miles)		AEP (100%)
b2344.6	Retire AEP's Marcellus 34.5/12 kV and Nicholsville 34.5/12 kV stations and also the Marcellus – Valley 34.5 kV line		AEP (100%)
b2345.1	Construct a new 69 kV line from Hartford to Keeler (~8 miles)		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2345.2	Rebuild the 34.5 kV lines between Keeler - Sister Lakes and Glenwood tap switch to 69 kV (~12 miles)		AEP (100%)
b2345.3	Implement in - out at Keeler and Sister Lakes 34.5 kV stations		AEP (100%)
b2345.4	Retire Glenwood tap switch and construct a new Rothadew station. These new lines will continue to operate at 34.5 kV		AEP (100%)
b2346	Perform a sag study for Howard - North Bellville - Millwood 138 kV line including terminal equipment upgrades		AEP (100%)
b2347	Replace the North Delphos 600A switch. Rebuild approximately 18.7 miles of 138 kV line North Delphos - S073. Reconductor the line and replace the existing tower structures		AEP (100%)
b2348	Construct a new 138 kV line from Richlands Station to intersect with the Hales Branch - Grassy Creek 138 kV circuit		AEP (100%)
b2374	Change the existing CT ratios of the existing equipment along Bearskin - Smith Mountain 138kV circuit		AEP (100%)
b2375	Change the existing CT ratios of the existing equipment along East Danville-Banister 138kV circuit		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2376	Replace the Turner 138 kV breaker 'D'		AEP (100%)
b2377	Replace the North Newark 138 kV breaker 'P'		AEP (100%)
b2378	Replace the Sporn 345 kV breaker 'DD'		AEP (100%)
b2379	Replace the Sporn 345 kV breaker 'DD2'		AEP (100%)
b2380	Replace the Muskingum 345 kV breaker 'SE'		AEP (100%)
b2381	Replace the East Lima 138 kV breaker 'E1'		AEP (100%)
b2382	Replace the Delco 138 kV breaker 'R'		AEP (100%)
b2383	Replace the Sporn 345 kV breaker 'AA2'		AEP (100%)
b2384	Replace the Sporn 345 kV breaker 'CC'		AEP (100%)
b2385	Replace the Sporn 345 kV breaker 'CC2'		AEP (100%)
b2386	Replace the Astor 138 kV breaker '102'		AEP (100%)
b2387	Replace the Muskingum 345 kV breaker 'SH'		AEP (100%)
b2388	Replace the Muskingum 345 kV breaker 'SI'		AEP (100%)
b2389	Replace the Hyatt 138 kV breaker '105N'		AEP (100%)
b2390	Replace the Muskingum 345 kV breaker 'SG'		AEP (100%)
b2391	Replace the Hyatt 138 kV breaker '101C'		AEP (100%)
b2392	Replace the Hyatt 138 kV breaker '104N'		AEP (100%)
b2393	Replace the Hyatt 138 kV breaker '104S'		AEP (100%)

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Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2394	Replace the Sporn 345 kV breaker 'CC1'		AEP (100%)
b2409	Install two 56.4 MVAR capacitor banks at the Melmore 138 kV station in Ohio		AEP (100%)
b2410	Convert Hogan Mullin 34.5 kV line to 138 kV, establish 138 kV line between Jones Creek and Strawton, rebuild existing Mullin Elwood 34.5 kV and terminate line into Strawton station, retire Mullin station		AEP (100%)
b2411	Rebuild the 3/0 ACSR portion of the Hadley - Kroemer Tap 69 kV line utilizing 795 ACSR conductor		AEP (100%)
b2423	Install a 300 MVAR shunt reactor at AEP's Wyoming 765 kV station		**Load-Ratio Share Allocation:** AEC (1.57%) / AEP (15.18%) / APS (5.89%) / ATSI (7.59%) / BGE (4.12%) / ComEd (*12.38*%) / ConEd (0.55%) / Dayton (2.02%) / DEOK (3.15%) / DL (1.72%) / DPL (2.53%) / Dominion (13.30%) / *EKPC (*2.14*%) / HTP*** (0.20%) /* JCPL (3.57%) / ME (1.72%) / NEPTUNE* (0.41%) / PECO (4.97%) / PENELEC (1.86%) / PEPCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%) **DFAX Allocation:** AEP (100%)

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b2444	Willow - Eureka 138 kV line: Reconductor 0.26 mile of 4/0 CU with 336 ACSS		AEP (100%)
b2445	Complete a sag study of Tidd - Mahans Lake 138 kV line		AEP (100%)
b2449	Rebuild the 7-mile 345 kV line between Meadow Lake and Reynolds 345 kV stations		AEP (100%)
b2462	Add two 138 kV circuit breakers at Fremont station to fix tower contingency ‘408_2’		AEP (100%)
b2501	Construct a new 138/69 kV Yager station by tapping 2-138 kV FE circuits (Nottingham-Cloverdale, Nottingham-Harmon)		AEP (100%)
b2501.2	Build a new 138 kV line from new Yager station to Azalea station		AEP (100%)
b2501.3	Close the 138 kV loop back into Yager 138 kV by converting part of local 69 kV facilities to 138 kV		AEP (100%)
b2501.4	Build 2 new 69 kV exits to reinforce 69 kV facilities and upgrade conductor between Irish Run 69 kV Switch and Bowerstown 69 kV Switch		AEP (100%)

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	Responsible Customer(s)
b2502.1	Construct new 138 kV switching station Nottingham tapping 6-138 kV FE circuits (Holloway-Brookside, Holloway-Harmon #1 and #2, Holloway-Reeds, Holloway-New Stacy, Holloway-Cloverdale). Exit a 138 kV circuit from new station to Freebyrd station		AEP (100%)
b2502.2	Convert Freebyrd 69 kV to 138 kV		AEP (100%)
b2502.3	Rebuild/convert Freebyrd-South Cadiz 69 kV circuit to 138 kV		AEP (100%)
b2502.4	Upgrade South Cadiz to 138 kV breaker and a half		AEP (100%)
b2530	Replace the Sporn 138 kV breaker ‘G1’ with 80kA breaker		AEP (100%)
b2531	Replace the Sporn 138 kV breaker ‘D’ with 80kA breaker		AEP (100%)
b2532	Replace the Sporn 138 kV breaker ‘O1’ with 80kA breaker		AEP (100%)
b2533	Replace the Sporn 138 kV breaker ‘P2’ with 80kA breaker		AEP (100%)
b2534	Replace the Sporn 138 kV breaker ‘U’ with 80kA breaker		AEP (100%)
b2535	Replace the Sporn 138 kV breaker ‘O’ with 80 kA breaker		AEP (100%)

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b2536	Replace the Sporn 138 kV breaker 'O2' with 80 kA breaker		AEP (100%)
b2537	Replace the Robinson Park 138 kV breakers A1, A2, B1, B2, C1, C2, D1, D2, E1, E2, and F1 with 63 kA breakers		AEP (100%)
b2555	Reconductor 0.5 miles Tiltonsville – Windsor 138 kV and string the vacant side of the 4.5 mile section using 556 ACSR in a six wire configuration		AEP (100%)
b2556	Install two 138 kV prop structures to increase the maximum operating temperature of the Clinch River- Clinch Field 138 kV line		AEP (100%)
b2634.1	*Replace metering BCT on Tanners Creek CB T2 with a slip over CT with higher thermal rating in order to remove 1193 MVA limit on facility (Miami Fort-Tanners Creek 345 kV line)*		*AEP (100%)*

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s)

b2643	*Replace the Darrah 138 kV breaker 'L' with 40kA rated breaker*		*AEP (100%)*
b2645	*Ohio Central 138 kV Loop*		*AEP (100%)*
b2667	*Replace the Muskingum 138 kV bus # 1 and 2*		*AEP (100%)*
b2668	*Reconductor Dequine to Meadow Lake 345 kV circuit #1 utilizing dual 954 ACSR 54/7 cardinal conductor*		*AEP (100%)*
b2669	*Install a second 345/138 kV transformer at Desoto*		*AEP (100%)*
b2670	*Replace switch at Elk Garden 138 kV substation (on the Elk Garden – Lebanon 138 kV circuit)*		*AEP (100%)*
b2671	*Replace/upgrade/add terminal equipment at Bradley, Mullensville, Pinnacle Creek, Itmann, and Tams Mountain 138 kV substations. Sag study on Mullens – Wyoming and Mullens – Tams Mt. 138 kV circuits*		*AEP (100%)*
b2697.1	*Mitigate violations identified by sag study to operate Fieldale-Thornton-Franklin 138 kV overhead line conductor at its max. operating temperature. 6 potential line crossings to be addressed.*		*AEP (100%)*

AEP Service Corporation on behalf of its Affiliate Companies (AEP Indiana Michigan Transmission Company, AEP Kentucky Transmission Company, AEP Ohio Transmission Company, AEP West Virginia Transmission Company, Appalachian Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company) (cont.)

Required Transmission Enhancements *Annual Revenue Requirement* *Responsible Customer(s)*

b2697.2	*Replace terminal equipment at AEP's Danville and East Danville substations to improve thermal capacity of Danville – East Danville 138 kV circuit*		*AEP (100%)*
b2698	*Replace relays at AEP's Cloverdale and Jackson's Ferry substations to improve the thermal capacity of Cloverdale – Jackson's Ferry 765 kV line*		*AEP (100%)*

Attachment 3A

Translation of 2015/2016 Schedule 12 Charges into Rates - JCP&L

Attachment 3B

Translation of 2015/2016 Schedule 12 Charges into Rates - PSE&G

Attachment 3C

Translation of 2015/2016 Schedule 12 Charges into Rates - RECO

Attachment 3a

Jersey Central Power & Light Company
Proposed TRAILCO Project Transmission Enhancement Charge (TRAILCO4-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved TRAILCO Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2016 - May 2017

2016/2017 Average Monthly TRAILCO4-TEC Costs Allocated to JCP&L Zone	$	672,889.01	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
TRAILCO4-Transmission Enhancement Rate ($/MW-month)	$	115.65	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2016: TRAILCO4-TEC Surcharge ($/kWh)	TRAILCO4-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	7,143,002	16,343,185,097	$ 0.000437	$ 0.000468
Primary	357.3	495,880	1,705,516,106	$ 0.000291	$ 0.000311
Transmission @ 34.5 kV	299.4	415,523	1,982,784,410	$ 0.000210	$ 0.000225
Transmission @ 230 kV	14.6	20,263	205,865,011	$ 0.000098	$ 0.000105
Total	5818.1	8,074,668	20,237,350,624		

(1) Cost Allocation of TRAILCO Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months TRAILCO Project costs from June 2016 through May 2017
(3) September 2016 through August 2017

BGS-RSCP Supplier Payment Adjustment

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	TRAILCO4-Transmission Enhancement Costs to RSCP Suppliers	$	6,665,858	= Line 3 x $115.65 x 12
5	Change to Supplier Payment Rates $/MWH (rounded to 2 decimals)	$	0.39	= Line 4 / Line 2

Attachment 3a

Jersey Central Power & Light Company
Proposed Delmarva Project Transmission Enhancement Charge (Delmarva2-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved Delmarva Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2016 - May 2017

2016/2017 Average Monthly Delmarva2-TEC Costs Allocated to JCP&L Zone	$	1,920.68	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
Delmarva2-Transmission Enhancement Rate ($/MW-month)	$	0.33	

				Effective September 1, 2016:	
BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	Delmarva2-TEC Surcharge ($/kWh)	Delmarva2-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	20,389	16,343,185,097	$ 0.000001	$ 0.000001
Primary	357.3	1,415	1,705,516,106	$ 0.000001	$ 0.000001
Transmission @ 34.5 kV	299.4	1,186	1,982,784,410	$ 0.000001	$ 0.000001
Transmission @ 230 kV	14.6	58	205,865,011	$ -	$ -
Total	5818.1	23,048	20,237,350,624		

(1) Cost Allocation of Delmarva Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months Delmarva Project costs from June 2016 through May 2017
(3) September 2016 through August 2017

<u>BGS-RSCP Supplier Payment Adjustment</u>

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	Delmarva2-Transmission Enhancement Costs to RSCP Suppliers	$	19,027	= 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 ACE Project Transmission Enhancement Charge (ACE2-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved ACE Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2016 - May 2017

2016/2017 Average Monthly ACE-TEC Costs Allocated to JCP&L Zone	$ 123,417.69	(1)
2016 JCP&L Zone Transmission Peak Load (MW)	5818.1	
ACE2-Transmission Enhancement Rate ($/MW-month)	$ 21.21	

				Effective September 1, 2016:	
BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	ACE2-TEC Surcharge ($/kWh)	ACE2-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	1,310,131	16,343,185,097	$ 0.000080	$ 0.000086
Primary	357.3	90,952	1,705,516,106	$ 0.000053	$ 0.000057
Transmission @ 34.5 kV	299.4	76,213	1,982,784,410	$ 0.000038	$ 0.000041
Transmission @ 230 kV	14.6	3,716	205,865,011	$ 0.000018	$ 0.000019
Total	5818.1	1,481,012	20,237,350,624		

(1) Cost Allocation of ACE Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months ACE Project costs from June 2016 through May 2017
(3) September 2016 through August 2017

<u>BGS-RSCP Supplier Payment Adjustment</u>

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	ACE2-Transmission Enhancement Costs to RSCP Suppliers	$	1,222,616	= Line 3 x $21.21 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 PEPCO Project Transmission Enhancement Charge (PEPCO2-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved PEPCO Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2016 - May 2017

2016/2017 Average Monthly PEPCO2-TEC Costs Allocated to JCP&L Zone	$	21,463.78	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
PEPCO2-Transmission Enhancement Rate ($/MW-month)	$	3.69	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	Effective September 1, 2016: PEPCO2-TEC Surcharge ($/kWh)	PEPCO2-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	227,847	16,343,185,097	$ 0.000014	$ 0.000015
Primary	357.3	15,818	1,705,516,106	$ 0.000009	$ 0.000010
Transmission @ 34.5 kV	299.4	13,254	1,982,784,410	$ 0.000007	$ 0.000007
Transmission @ 230 kV	14.6	646	205,865,011	$ 0.000003	$ 0.000003
Total	5818.1	257,565	20,237,350,624		

(1) Cost Allocation of PEPCO Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months PEPCO Project costs from June 2016 through May 2017
(3) September 2016 through August 2017

BGS-RSCP Supplier Payment Adjustment

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	PEPCO2-Transmission Enhancement Costs to RSCP Suppliers	$	212,627	= Line 3 x $3.69 x 12
5	Change to Supplier Payment Rates $/MWH (rounded to 2 decimals)	$	0.01	= Line 4 / Line 2

Attachment 3a

Jersey Central Power & Light Company
Proposed PPL Project Transmission Enhancement Charge (PPL2-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved PPL Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective June 2016 - May 2017

2016/2017 Average Monthly PPL2-TEC Costs Allocated to JCP&L Zone	$	306,892.86	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
PPL2-Transmission Enhancement Rate ($/MW-month)	$	52.75	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	**Effective September 1, 2016:** PPL2-TEC Surcharge ($/kWh)	PPL2-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	3,257,798	16,343,185,097	$ 0.000199	$ 0.000213
Primary	357.3	226,162	1,705,516,106	$ 0.000133	$ 0.000142
Transmission @ 34.5 kV	299.4	189,513	1,982,784,410	$ 0.000096	$ 0.000103
Transmission @ 230 kV	14.6	9,241	205,865,011	$ 0.000045	$ 0.000048
Total	5818.1	3,682,714	20,237,350,624		

(1) Cost Allocation of PPL Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months PPL Project costs from June 2016 through May 2017
(3) September 2016 through August 2017

<u>BGS-RSCP Supplier Payment Adjustment</u>

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	PPL2-Transmission Enhancement Costs to RSCP Suppliers	$	3,040,181	= Line 3 x $52.75 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 AEP-East Project Transmission Enhancement Charge (AEP-East2-TEC Surcharge) effective September 1, 2016
To reflect FERC-approved AEP-East Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective July 2016 - June 2017

2016/2017 Average Monthly AEP-East2-TEC Costs Allocated to JCP&L Zone	$	151,013.89	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
AEP-East2-Transmission Enhancement Rate ($/MW-month)	$	25.96	

Effective September 1, 2016:

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery ($) (2)	BGS Eligible Sales (kWh) (3)	AEP-East2-TEC Surcharge ($/kWh)	AEP-East2-TEC Surcharge w/ SUT($/kWh)
Secondary (excluding lighting)	5146.8	1,603,077	16,343,185,097	$ 0.000098	$ 0.000105
Primary	357.3	111,288	1,705,516,106	$ 0.000065	$ 0.000070
Transmission @ 34.5 kV	299.4	93,254	1,982,784,410	$ 0.000047	$ 0.000050
Transmission @ 230 kV	14.6	4,547	205,865,011	$ 0.000022	$ 0.000024
Total	5818.1	1,812,167	20,237,350,624		

(1) Cost Allocation of AEP-East Project Schedule 12 Charges to JCP&L Zone for 2016/2017
(2) Based on 12 months AEP-East Project costs from July 2016 through June 2017
(3) September 2016 through August 2017

<u>BGS-RSCP Supplier Payment Adjustment</u>

Line No.				
1	BGS-RSCP Eligible Sales June through May @ Customer		15,262,858	MWH
2	BGS-RSCP Eligible Sales June through May @ Transmission Node		16,937,499	MWH
3	BGS-RSCP Eligible Transmission Obligation		4,803	MW
4	AEP-East2-Transmission Enhancement Costs to RSCP Suppliers	$	1,495,993	= Line 3 x $25.96 x 12
5	Change to Supplier Payment Rates $/MWH (rounded to 2 decimals)	$	0.09	= Line 4 / Line 2

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for Allegheny TrAILCo Project

TEC Charges for June 2016 - May 2017	$	12,052,538	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
Term (Months)		12	
OATT rate	$	104.68	/MW/month
converted to $/MW/yr =	$	1,256.16	/MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in 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**	**0**	**0.000226**	**0**	**0**

Line #						
1	Total BGS-RSCP eligbile Trans Obl		6633.6	MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust		24,216,290	MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes		25,990,883	MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$	8,332,863		unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	$	0.3206	/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	$	8,317,083		unrounded	= (6) * (3)
8	Difference due to rounding	$	(15,780)		unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2015 - May 2016
Calculation of costs and monthly PJM charges for Delmarva Projects

TEC Charges for June 2015 - May 2016	$	38,026	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
Term (Months)		12	
OATT rate	$	0.33	/MW/month
converted to $/MW/yr =	$	3.96	/MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in 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**	**0**	**0.000001**	**0**	**0**

Line #						
1	Total BGS-RSCP eligbile Trans Obl		6633.6	MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust		24,216,290	MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes		25,990,883	MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$	26,269		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	$	(26,269)		unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2016 - May 2017
Calculation of costs and monthly PJM charges for ACE Projects

TEC Charges for June 2016 - May 2017	$	1,276,419	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
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	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in energy charge								
in $/MWh	$ 0.040413	$ 0.021414	$ 0.043580	$ -	$ -	$ 0.023911	$ -	$ -
in $/kWh - rounded to 6 places	**0.00004**	**0.000021**	**0.000044**	**0**	**0**	**0.000024**	**0**	**0**

Line #						
1	Total BGS-RSCP eligbile Trans Obl		6633.6	MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust		24,216,290	MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes		25,990,883	MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$	882,799		unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	$	0.0340	/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	$	779,727		unrounded	= (6) * (3)
8	Difference due to rounding	$	(103,073)		unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2015 - May 2016
Calculation of costs and monthly PJM charges for PEPCO Projects

TEC Charges for June 2015 - May 2016	$	388,003	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
Term (Months)		12	
OATT rate	$	3.37	/MW/month
converted to $/MW/yr =	$	40.44	/MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in energy charge								
in $/MWh	$ 0.012281	$ 0.006507	$ 0.013243	$ -	$ -	$ 0.007266	$ -	$ -
in $/kWh - rounded to 6 places	**0.000012**	**0.000007**	**0.000013**	**0**	**0**	**0.000007**	**0**	**0**

Line #						
1	Total BGS-RSCP eligbile Trans Obl		6633.6	MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust		24,216,290	MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes		25,990,883	MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$	268,263		unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	$	0.0103	/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	$	259,909		unrounded	= (6) * (3)
8	Difference due to rounding	$	(8,354)		unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for June 2015 - May 2016
Calculation of costs and monthly PJM charges for PPL Projects

TEC Charges for June 2015 - May 2016	$	6,147,492	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
Term (Months)		12	
OATT rate	$	53.39	/MW/month
converted to $/MW/yr =	$	640.68	/MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in energy charge								
in $/MWh	$ 0.194560	$ 0.103094	$ 0.209804	$ -	$ -	$ 0.115112	$ -	$ -
in $/kWh - rounded to 6 places	**0.000195**	**0.000103**	**0.00021**	**0**	**0**	**0.000115**	**0**	**0**

Line #					
1	Total BGS-RSCP eligbile Trans Obl	6633.6 MW			= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust	24,216,290 MWh			= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes	25,990,883 MWh		unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$ 4,250,015		unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	$ 0.1635	/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	$ 4,158,541		unrounded	= (6) * (3)
8	Difference due to rounding	$ (91,473)		unrounded	= (7) - (4)

Transmission Charge Adjustment - BGS-RSCP
PJM Schedule 12 - Transmission Enhancement Charges for July 2015 - June 2016
Calculation of costs and monthly PJM charges for AEP -East Projects

TEC Charges for June 2015 - May 2016	$	3,098,574	
PSE&G Zonal Transmission Load for Effective Yr. (MW)		9,594.9	
Term (Months)		12	
OATT rate	$	26.91	/MW/month
converted to $/MW/yr =	$	322.92	/MW/yr

all values show w/o NJ SUT

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL
Trans Obl - MW	3756.9	25.7	72.3	0.0	0.0	3.0	0.0	0.0
Total Annual Energy - MWh	12,371,327	159,713	220,783	1,426	30	16,697	160,628	287,511
Change in energy charge								
in $/MWh	$ 0.098064	$ 0.051962	$ 0.105747	$ -	$ -	$ 0.058020	$ -	$ -
in $/kWh - rounded to 6 places	**0.000098**	**0.000052**	**0.000106**	**0**	**0**	**0.000058**	**0**	**0**

Line #						
1	Total BGS-RSCP eligbile Trans Obl		6633.6	MW		= sum of BGS-RSCP eligible Trans Obl
2	Total BGS-RSCP eligbile energy @ cust		24,216,290	MWh		= sum of BGS-RSCP eligible kWh @ cust
3	Total BGS-RSCP eligbile energy @ trans nodes		25,990,883	MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	$	2,142,122		unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl
5	Change in Average Supplier Payment Rate	$	0.0824	/MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	$	0.08	/MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	$	2,079,271		unrounded	= (6) * (3)
8	Difference due to rounding	$	(62,851)		unrounded	= (7) - (4)

Rockland Electric Company
Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (TrAILCo) effective September 1, 2016
To reflect FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2016 to May 2017

2015/2016 Average Monthly TrAILCo-TEC Costs Allocated to RECO	$	40,454	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	93.27	

	Col. 1	Col. 2		Col.3=Col.2 x $40,454 x 12	Col. 4		Col. 5 = Col. 3/Col. 4		Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)		Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)		Transmission Enhancement Charge ($/kWh)		Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$	295,191	697,806,000	$	0.00042	$	0.00045
SC2 Secondary	117.8	27.16%	$	131,862	539,826,000	$	0.00024	$	0.00026
SC2 Primary	15.9	3.66%	$	17,747	79,217,000	$	0.00022	$	0.00024
SC3	0.1	0.01%	$	57	277,000	$	0.00021	$	0.00022
SC4	0.0	0.00%	$	-	6,478,000	$	-	$	-
SC5	4.0	0.91%	$	4,442	16,070,000	$	0.00028	$	0.00030
SC6	0.0	0.00%	$	-	5,691,000	$	-	$	-
SC7	32.3	7.45%	$	36,144	223,025,000	$	0.00016	$	0.00017
Total	433.7 (2)	100.00%	$	485,443	1,568,390,000				

(1) Attachment 2 - Cost Allocation of TrAILCo Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.				
1	BGS-FP Eligible Sales Jun - May @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Jun - May @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	449,303.31	= Line 3 x $93.27 * 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 (Delmarva) effective September 1, 2016
To reflect FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2015 to May 2016

2014/2015 Average Monthly Delmarva-TEC Costs Allocated to RECO	$	129	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	0.30	

	Col. 1	Col. 2	Col.3=Col.2 x $129 x 12	Col. 4	Col. 5 = Col. 3/Col. 4	Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)	Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)	Transmission Enhancement Charge ($/kWh)	Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$ 942	697,806,000	$ -	$ -
SC2 Secondary	117.8	27.16%	$ 421	539,826,000	$ -	$ -
SC2 Primary	15.9	3.66%	$ 57	79,217,000	$ -	$ -
SC3	0.1	0.01%	$ -	277,000	$ -	$ -
SC4	0.0	0.00%	$ -	6,478,000	$ -	$ -
SC5	4.0	0.91%	$ 14	16,070,000	$ -	$ -
SC6	0.0	0.00%	$ -	5,691,000	$ -	$ -
SC7	32.3	7.45%	$ 115	223,025,000	$ -	$ -
Total	433.7 (2)	100.00%	$ 1,549	1,568,390,000		

(1) Attachment 2 - Cost Allocation of Delmarva Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.				
1	BGS-FP Eligible Sales Sep - Aug @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Sep - Aug @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	1,445.17	= 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 (ACE) effective September 1, 2016
To reflect FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2016 to May 2017

2015/2016 Average Monthly ACE-TEC Costs Allocated to RECO	$	3,377	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	7.79	

	Col. 1	Col. 2		Col.3=Col.2 x $3,377 x 12	Col. 4		Col. 5 = Col. 3/Col. 4		Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)		Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)		Transmission Enhancement Charge ($/kWh)		Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$	24,645	697,806,000	$	0.00004	$	0.00004
SC2 Secondary	117.8	27.16%	$	11,009	539,826,000	$	0.00002	$	0.00002
SC2 Primary	15.9	3.66%	$	1,482	79,217,000	$	0.00002	$	0.00002
SC3	0.1	0.01%	$	5	277,000	$	0.00002	$	0.00002
SC4	0.0	0.00%	$	-	6,478,000	$	-	$	-
SC5	4.0	0.91%	$	371	16,070,000	$	0.00002	$	0.00002
SC6	0.0	0.00%	$	-	5,691,000	$	-	$	-
SC7	32.3	7.45%	$	3,018	223,025,000	$	0.00001	$	0.00001
Total	433.7 (2)	100.00%	$	40,530	1,568,390,000				

(1) Attachment 2 - Cost Allocation of ACE Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.				
1	BGS-FP Eligible Sales Sep - Aug @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Sep - Aug @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	37,526.24	= Line 3 x $7.79 * 12
5	Change in Supplier Payment Rate $/MWH (rounded to 2 decimals)	$	0.03	= Line 4/Line 2

Attachment 3C

Rockland Electric Company
Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (PEPCO) effective September 1, 2016
To reflect FERC-approved PEPCO Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2016 to May 2017

2015/2016 Average Monthly PEPCO-TEC Costs Allocated to RECO	$	857	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	1.98	

	Col. 1	Col. 2		Col.3=Col.2 x $857 x 12	Col. 4		Col. 5 = Col. 3/Col. 4		Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)		Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)		Transmission Enhancement Charge ($/kWh)		Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$	6,257	697,806,000	$	0.00001	$	0.00001
SC2 Secondary	117.8	27.16%	$	2,795	539,826,000	$	0.00001	$	0.00001
SC2 Primary	15.9	3.66%	$	376	79,217,000	$	-	$	-
SC3	0.1	0.01%	$	1	277,000	$	-	$	-
SC4	0.0	0.00%	$	-	6,478,000	$	-	$	-
SC5	4.0	0.91%	$	94	16,070,000	$	0.00001	$	0.00001
SC6	0.0	0.00%	$	-	5,691,000	$	-	$	-
SC7	32.3	7.45%	$	766	223,025,000	$	-	$	-
Total	433.7 (2)	100.00%	$	10,289	1,568,390,000				

(1) Attachment 2 - Cost Allocation of PEPCO Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.				
1	BGS-FP Eligible Sales Sep - Aug @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Sep - Aug @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	9,538.12	= Line 3 x $1.98 * 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 changes in Transmission Enhancement Charges (PPL) effective September 1, 2016
To reflect FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2016 to May 2017

2015/2016 Average Monthly PPL-TEC Costs Allocated to RECO	$	20,779	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	47.91	

	Col. 1	Col. 2	Col.3=Col.2 x $20,779 x 12		Col. 4	Col. 5 = Col. 3/Col. 4		Col. 6 = Col. 5 x 1.07	
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)		Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)		Transmission Enhancement Charge ($/kWh)		Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$	151,622	697,806,000	$	0.00022	$	0.00024
SC2 Secondary	117.8	27.16%	$	67,730	539,826,000	$	0.00013	$	0.00014
SC2 Primary	15.9	3.66%	$	9,116	79,217,000	$	0.00012	$	0.00013
SC3	0.1	0.01%	$	29	277,000	$	0.00010	$	0.00011
SC4	0.0	0.00%	$	-	6,478,000	$	-	$	-
SC5	4.0	0.91%	$	2,281	16,070,000	$	0.00014	$	0.00015
SC6	0.0	0.00%	$	-	5,691,000	$	-	$	-
SC7	32.3	7.45%	$	18,565	223,025,000	$	0.00008	$	0.00009
Total	433.7 (2)	100.00%	$	249,343	1,568,390,000				

(1) Attachment 2 - Cost Allocation of PPL Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.					
1	BGS-FP Eligible Sales Jun - May @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Jun - May @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	230,793.63	= Line 3 x $47.91 * 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 (AEP East) effective September 1, 2016
To reflect FERC-approved AEP-East Project Schedule 12 Charges (Schedule 12 PJM OATT) for the period June 2016 to May 2017

2015/2016 Average Monthly AEP-East-TEC Costs Allocated to RECO	$	10,486	(1)
2015 RECO Zone Transmission Peak Load (MW)		433.7	(2)
Transmission Enhancement Rate ($/MW-month)	$	24.18	

	Col. 1	Col. 2		Col.3=Col.2 x $10,486 x 12	Col. 4		Col. 5 = Col. 3/Col. 4		Col. 6 = Col. 5 x 1.07
Rate Class	BGS-Eligible Transmission Obligation (MW)	Transmission Obligation (Pct)		Allocated Cost Recovery (1)	BGS Eligible Sales Sep 2015- Aug 2016 (kWh)		Transmission Enhancement Charge ($/kWh)		Transmission Enhancement Charge w/ SUT ($/kWh)
SC1	263.7	60.81%	$	76,517	697,806,000	$	0.00011	$	0.00012
SC2 Secondary	117.8	27.16%	$	34,180	539,826,000	$	0.00006	$	0.00006
SC2 Primary	15.9	3.66%	$	4,600	79,217,000	$	0.00006	$	0.00006
SC3	0.1	0.01%	$	15	277,000	$	0.00005	$	0.00005
SC4	0.0	0.00%	$	-	6,478,000	$	-	$	-
SC5	4.0	0.91%	$	1,151	16,070,000	$	0.00007	$	0.00007
SC6	0.0	0.00%	$	-	5,691,000	$	-	$	-
SC7	32.3	7.45%	$	9,369	223,025,000	$	0.00004	$	0.00004
Total	433.7 (2)	100.00%	$	125,832	1,568,390,000				

(1) Attachment 2 - Cost Allocation of AEP East Schedule 12 Charges to RECO Zone for June 2016 through May 2017
(2) Includes RECO's Central and Western Divisions

BGS-FP Supplier Payment Adjustment

Line No.				
1	BGS-FP Eligible Sales Sep - Aug @ cust (RECO Eastern Division)		1,292,198	MWH
2	BGS-FP Eligible Sales Sep - Aug @ trans node (RECO Eastern Division)		1,202,293	MWH
3	BGS-FP Eligible Transmission Obligation		401	MW
4	Transmission Enhancement Costs to FP Suppliers	$	116,480.69	= Line 3 x $24.18 * 12
5	Change in Supplier Payment Rate $/MWH (rounded to 2 decimals)	$	0.10	= Line 4/Line 2

Attachment 3C

Rockland Electric Company
Calculation of Transmission Surcharges reflecting proposed changes effective September 1, 2016
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)
FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT)
FERC-approved PATH Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
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) currently in RECO's rates
FERC-approved TrailCo Project Schedule 12 Charges (Schedule 12 PJM OATT)
FERC-approved VEPCo Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates

(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	$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00011	0.00006	0.00006	0.00005	0.00000	0.00007	0.00000	0.00004
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00006	0.00004	0.00003	0.00004	0.00000	0.00004	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00022	0.00013	0.00012	0.00010	0.00000	0.00014	0.00000	0.00008
PSE&G - TEC	(8)	0.00831	0.00495	0.00426	0.00495	0.00000	0.00554	0.00000	0.00334
TrAILCo - TEC	(9)	0.00042	0.00024	0.00022	0.00021	0.00000	0.00028	0.00000	0.00016
VEPCo - TEC	(10)	0.00034	0.00020	0.00017	0.00020	0.00000	0.00023	0.00000	0.00014
Total ($/kWh and excl SUT)		$0.00951	$0.00565	$0.00488	$0.00557	$0.00000	$0.00633	$0.00000	$0.00379
Total (¢/kWh and excl SUT)		0.951 ¢	0.565 ¢	0.488 ¢	0.557 ¢	0.000 ¢	0.633 ¢	0.000 ¢	0.379 ¢

(B) Transmission Surcharge rates by Transmission Project and Service Class (including 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	$0.00000
ACE - TEC	(2)	0.00004	0.00002	0.00002	0.00002	0.00000	0.00002	0.00000	0.00001
AEP-East - TEC	(3)	0.00012	0.00006	0.00006	0.00005	0.00000	0.00007	0.00000	0.00004
Delmarva - TEC	(4)	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PATH - TEC	(5)	0.00006	0.00004	0.00003	0.00004	0.00000	0.00004	0.00000	0.00002
PEPCO - TEC	(6)	0.00001	0.00001	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
PPL - TEC	(7)	0.00024	0.00014	0.00013	0.00011	0.00000	0.00015	0.00000	0.00009
PSE&G - TEC	(8)	0.00889	0.00530	0.00456	0.00530	0.00000	0.00593	0.00000	0.00357
TrAILCo - TEC	(9)	0.00045	0.00026	0.00024	0.00022	0.00000	0.00030	0.00000	0.00017
VEPCo - TEC	(10)	0.00036	0.00021	0.00018	0.00021	0.00000	0.00025	0.00000	0.00015
Total ($/kWh and incl SUT)		$0.01017	$0.00604	$0.00522	$0.00595	$0.00000	$0.00677	$0.00000	$0.00405
Total (¢/kWh and incl SUT)		1.017 ¢	0.604 ¢	0.522 ¢	0.595 ¢	0.000 ¢	0.677 ¢	0.000 ¢	0.405 ¢

Notes:

(1) RMR rates based on allocations by transmission zone. For RECO, the estimated allocation is zero percent for calendar year 2016.
(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.
(4) Delmarva-TEC rates calculated in Attachment 5 of the joint filing.
(5) PATH-TEC rates pursuant to the Board’s Order dated February 6, 2016 in Docket No. ER15121430.
(6) PEPCO-TEC rates calculated in Attachment 5 of the joint filing.
(7) PPL-TEC rates calculated in Attachment 5 of the joint filing.
(8) PSE&G-TEC rates pursuant to the Board’s Order dated May 25, 2016 in Docket No. ER16050401.
(9) TrAILCo-TEC rates calculated in Attachment 5 of the joint filing.
(10) VEPCo-TEC rates pursuant to the Board’s Order dated February 6, 2016 in Docket No. ER15121430.

Attachment 4A

TrAILCo Formula Rate Update Compliance Filing

Attachment 4B

Delmarva Formula Rate Update Compliance Filing

Attachment 4C

ACE Formula Rate Update Compliance Filing

Attachment 4D

PEPCo Formula Rate Update Compliance Filing

Attachment 4E

PPL Formula Rate Update Compliance Filing

Attachment 4F

AEP-East Formula Rate Update Compliance Filing

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May 16, 2016

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 2016 Formula Rate Annual Update
Docket Nos. ER07-562-000, ER16-____-000

Dear Secretary Bose:

Pursuant to the Commission's order dated May 31, 2007 in Docket No. ER07-562-000[1] 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 2016 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 2015 Rate Year[3] (Attachment 1), (ii) the annual transmission revenue requirements for the 2016 Rate Year to become effective on June 1, 2016 (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).

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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 page 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) (2016). 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/ John S. Moot
John S. Moot

Attorney for
Trans-Allegheny Interstate Line Company

Enclosures

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[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 2015

Annual Transmission Revenue Requirements

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company

Formula Rate -- Appendix A

Shaded cells are inputs cells

Line	Description	Notes	FERC Form 1 Page # or Instruction	TrAILCo 2015 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	1,667,274,716
7	Total Plant In Service		(Line 6)	1,667,274,716
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	129,042,319
9	Total Accumulated Depreciation		(Line 8)	129,042,319
10	Net Plant		(Line 7 - Line 9)	1,538,232,396
11	Transmission Gross Plant		(Line 15 + Line 21)	1,667,274,716
12	**Gross Plant Allocator**		(Line 11 / Line 7, if Line 7=0, enter 100%)	**100.0000%**
13	Transmission Net Plant		(Line 11 - Line 29)	1,538,232,396
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	1,598,433,769
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)	**1,598,433,769**
18	General & Intangible		Attachment 5	68,840,947
19	Total General & Intangible		(Line 18)	68,840,947
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	**Transmission Related General and Intangible Plant**		(Line 19 * Line 20)	**68,840,947**
22	**Transmission Related Plant**		**(Line 17 + Line 21)**	**1,667,274,716**
	Accumulated Depreciation			
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	115,965,502
24	Accumulated General Depreciation		Attachment 5	6,000,323
25	Accumulated Intangible Amortization		Attachment 5	7,076,495
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	13,076,817
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	**Transmission Related General & Intangible Accumulated Depreciation**		(Line 26 * Line 27)	**13,076,817**
29	**Total Transmission Related Accumulated Depreciation**		**(Line 23 + Line 28)**	**129,042,319**
30	**Total Transmission Related Net Property, Plant & Equipment**		**(Line 22 - Line 29)**	**1,538,232,396**

Adjustment To Rate Base

	Accumulated Deferred Income Taxes			
31	ADIT net of FASB 106 and 109 Enter Negative		Attachment 1	-232,610,709
32	**Transmission Related Accumulated Deferred Income Taxes**		(Line 31)	**-232,610,709**
33	**Transmission Related CWIP (Current Year 13 Month weighted average balances)**	(Note B)	p216.b.43 as shown on Attachment 6	**617,583**
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	**729,257**
	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)	2,919,840
43	1/8th Rule		1/8	12.5%
44	**Transmission Related Cash Working Capital**		(Line 42 * Line 43)	**364,980**
45	**Total Adjustment to Rate Base**		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	**-230,898,889**
46	**Rate Base**		(Line 30 + Line 45)	**1,307,333,507**

O&M

	Transmission O&M			
47	Transmission O&M		p321.112.b	6,348,640
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	1,275,313
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)	**5,073,327**
	A&G Expenses			
53	Total A&G		p323.197.b	-3,428,795
54	Less Property Insurance Account 924		p323.185.b	75,102
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	0
56	Less General Advertising Exp Account 930.1		p323.191.b	5
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)	-3,503,902
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	**Transmission Related A&G Expenses**		(Line 59 * Line 60)	**-3,503,902**
	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	75,102
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	75,102
68	Net Plant Allocator		(Line 14)	100.0000%
69	**A&G Directly Assigned to Transmission**		(Line 67 * Line 68)	**75,102**
	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	1,275,313
73	Total Account 566		Sum (Lines 70 to 72)	**1,275,313**
74	**Total Transmission O&M**		**(Lines 52 + 61 + 64 + 69 + 73)**	**2,919,840**

	Depreciation & Amortization Expense				
	Depreciation Expense				
75	Transmission Depreciation Expense			Attachment 5	32,668,650
76	General Depreciation			Attachment 5	1,458,006
77	Intangible Amortization		(Note A)	Attachment 5	1,491,899
78	Total			(Line 76 + Line 77)	2,949,905
79	Wage & Salary Allocator			(Line 5)	100.0000%
80	**Transmission Related General Depreciation and Intangible Amortization**			(Line 78 * Line 79)	**2,949,905**
81	**Total Transmission Depreciation & Amortization**			**(Lines 75 + 80)**	**35,618,556**
	Taxes Other than Income				
82	**Transmission Related Taxes Other than Income**			Attachment 2	**11,184,996**
83	**Total Taxes Other than Income**			**(Line 82)**	**11,184,996**
	Return / Capitalization Calculations				
84	**Preferred Dividends**		enter positive	p118.29.c	0
	Common Stock				
85	Proprietary Capital			p112.16.c	931,728,042
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)	931,728,042
	Capitalization				
90	Long Term Debt		(Note N)		624,624,121
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)	624,624,121
95	Preferred Stock			p112.3.c	0
96	Common Stock			(Line 89)	931,728,042
97	**Total Capitalization**			(Sum Lines 94 to 96)	1,556,352,163
98	Debt %	Total Long Term Debt	(Note N)	(Line 94 /Line 97)	40.1339%
99	Preferred %	Preferred Stock	(Note N)	(Line 95 /Line 97)	0.0000%
100	Common %	Common Stock	(Note N)	(Line 96 /Line 97)	59.8661%
101	Debt Cost	Total Long Term Debt			0.0395
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)	0.0700
107	**Rate of Return on Rate Base (ROR)**			(Sum Lines 104 to 106)	**0.0859**
108	**Investment Return = Rate Base * Rate of Return**			**(Line 46 * Line 107)**	**112,295,062**

Composite Income Taxes

Line	Description		Reference	Amount
	Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)		35.00%
110	SIT=State Income Tax Rate or Composite			7.70%
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)} =		40.00%
113	T/ (1-T)			66.67%
114	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	[Line 113 * Line 108 * (1- (Line 104 / Line 107))]	**61,051,330**
115	**Total Income Taxes**		**(Line 114)**	**61,051,330**

REVENUE REQUIREMENT

Line	Description		Reference	Amount
	Summary			
116	Net Property, Plant & Equipment		(Line 30)	1,538,232,396
117	Total Adjustment to Rate Base		(Line 45)	-230,898,889
118	**Rate Base**		(Line 46)	**1,307,333,507**
119	Total Transmission O&M		(Line 74)	2,919,840
120	Total Transmission Depreciation & Amortization		(Line 81)	35,618,556
121	Taxes Other than Income		(Line 83)	11,184,996
122	Investment Return		(Line 108)	112,295,062
123	Income Taxes		(Line 115)	61,051,330
124	**Gross Revenue Requirement**		**(Sum Lines 119 to 123)**	**223,069,784**
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service		(Line 22)	1,667,274,716
126	Excluded Transmission Facilities	(Note L)	Attachment 5	0
127	Included Transmission Facilities		(Line 125 - Line 126)	1,667,274,716
128	Inclusion Ratio		(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement		(Line 124)	223,069,784
130	**Adjusted Gross Revenue Requirement**		(Line 128 * Line 129)	**223,069,784**
	Revenue Credits			
131	**Revenue Credits**		Attachment 3	2,080,901
132	**Net Revenue Requirement**		**(Line 130 - Line 131)**	**220,988,883**
	Net Plant Carrying Charge			
133	Net Revenue Requirement		(Line 132)	**220,988,883**
134	Net Transmission Plant + CWIP		(Line 17 - Line 23 + Line 33)	**1,483,085,850**
135	FCR		(Line 133 / Line 134)	**14.9006%**
136	FCR without Depreciation		(Line 133 - Line 75) / Line 134	**12.6979%**
137	FCR without Depreciation and Pre-Commercial Costs		(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	**12.6979%**
138	FCR without Depreciation, Return, nor Income Taxes		(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	**1.0096%**
	Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes		(Line 132 - Line 122 - Line 123)	**47,642,491**
140	Increased Return and Taxes		Attachment 4	**186,390,956**
141	Net Revenue Requirement with Incentive ROE		(Line 139 + Line 140)	**234,033,447**
142	Net Transmission Plant + CWIP		(Line 17 - Line 23+ Line 33)	**1,483,085,850**
143	FCR with Incentive ROE		(Line 141 / Line 142)	**15.7802%**
144	FCR with Incentive ROE without Depreciation		(Line 141 - Line 75) / Line 142	**13.5774%**
145	FCR with Incentive ROE without Depreciation and Pre-Commercial		(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	**13.5774%**
146	**Net Revenue Requirement**		(Line 132)	**220,988,882.83**
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	**8,950,041.74**
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)	**229,938,924.57**
	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%*260+60%*(365-260)]/365

Trans-Allegheny Interstate Line Company

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Line		B1	B2	B3	C	D	E	F	G	
				Trans-Allegheny Interstate Company						
		Beg of Year Total	***End of Year Total***	**End of Year for Est. Average for Final *Total***	**Retail Related**	**Only Transmission Related**	**Plant Related**	**Labor Related**	**Total ADIT**	
1	**ADIT- 282 From Account Total Below**	428,644,382	490,536,784	459,590,583	[redacted]	459,590,583	-	-	459,590,583	
2	**ADIT-283 From Account Total Below**	39,662,909	98,550,204	69,106,557		67,857,269	-	-	67,857,269	
3	**ADIT-190 From Account Total Below**	(256,320,086)	(335,972,025)	(296,146,056)		(294,837,143)	-	-	(294,837,143)	Enter Negative
4	**Subtotal**					232,610,709	-	-	232,610,709	
5	**Wages & Salary Allocator**							100.0000%		
6	**Gross Plant Allocator**						100.0000%			
7	**ADIT**					232,610,709	-	-	232,610,709	

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 for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Charitable Contribution Carryforward	8,371	10,755	9,563			9,563			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
FASB 109 Gross-Up	-	(463,554)	(231,777)			(231,777)			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	226,747,954	225,521,300	226,134,627			226,134,627			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 D&O Insurance	1,871	1,634	1,753		1,753				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs Licenses	85,383	75,392	80,388		80,388				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	5,009,642	5,213,131	5,111,387			5,111,387			Result of bonus depreciation
NOL Deferred Tax Asset PA	567,331	-	283,666			283,666			Result of bonus depreciation
NOL Deferred Tax Asset WV	17,735,335	-	8,867,668			8,867,668			Result of bonus depreciation
Pension/OPEB: Other Def Cr. Or Dr.	2,203,787	2,154,419	2,179,103			2,179,103			Pension related temporary difference associated with Service Company allocations
Accelerated Tax Depr-MD Norm	-	140,229	70,115			70,115			Additional tax deprecation over book
Accelerated Tax Depr-VA Norm	-	868,154	434,077			434,077			Additional tax deprecation over book
Purch Acct-LTD FMV	1,240,669	1,212,876	1,226,773		1,226,773				Reflects the adjustments and subsequent amortization of the regulatory asset associated with the adjusted debt balances resulting from the FE/AYE merger (Offset is PAA - LT Regulatory Asset Amort below in 283)
Reevaluation Adjustment	-	-	-		-				Temporary difference resulting from purchase accounting transactions
State Income Tax Deductible	2,190,351	2,621,595	2,405,973			2,405,973			Deductions related to state income taxes
Unamortized Discount	529,392	414,056	471,724			471,724			Unamortized discounts on long-term debt
Accelerated Tax Depr-WV Norm	-	3,859,919	1,929,960			1,929,960			Additional tax deprecation over book
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 Equity/FAS 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 Equity/FAS 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 Equity/FAS 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 Equity/FAS 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 Equity/FAS 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	2,339,629			2,339,629			Taxable CIAC
CIAC MD-Norm-Reversal-CWIP	-	54,464	27,232			27,232			Taxable CIAC
CIAC PA-Norm-Reversal-CWIP	-	81,387	40,694			40,694			Taxable CIAC
CIAC-VA-Norm	-	6,939	3,470			3,470			Taxable CIAC
CIAC VA-Norm-Reversal-CWIP	-	47,220	23,610			23,610			Taxable CIAC
CIAC-WV-Norm	-	19,971	9,986			9,986			Taxable CIAC
CIAC WV-Norm-Reversal-CWIP	-	362,967	181,484			181,484			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	8,867,668			8,867,668			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	13,980,996			13,980,996			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	-	30,265,433	15,132,717			15,132,717			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	-	405,260	202,630			202,630			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	-	280,697	140,349			140,349			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	-	761,090	380,545			380,545			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	-	909,770	454,885			454,885			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	-	491,269	245,635			245,635			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	-	309,188	154,594			154,594			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	-	2,555,859	1,277,930			1,277,930			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	-	2,376,649	1,188,325			1,188,325			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	256,320,086	335,508,471	295,914,279	-	1,308,913	294,605,366	-	-	
Less FASB 109 included above	-	(463,554)	(231,777)	-	-	(231,777)	-	-	
Less FASB 106 included above									
Total	256,320,086	335,972,025	296,146,056	-	1,308,913	294,837,143	-	-	

Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. 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	
	Trans-Allegheny Interstate Company								
ADIT- 282	Beg of Year Balance p274.9.b	End of Year Balance p275.9.k	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Property Related - ABFUDC	2,575,691	-	1,287,846			1,287,846			Allowance for borrowed funds used during construction (ABFUDC)
Accelerated Tax Depreciation	490,609,438	463,296,662	476,953,050			476,953,050			Additional tax deprecation over book
Property Related - Tax Depreciation	-	-	-			-			Tax depreciation
FASB 109 Fixed Asset Adjustment	-	-	-			-			Increase in AOFDC
FASB 109 Gross-Up	21,418,854	3,540,272	12,479,563			12,479,563			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	(588,777)	-	(294,389)			(294,389)			System adjustment to reclass balances to correct FERC accounts
A&G Expenses Capitalized	2,314,345	3,539,760	2,927,053			2,927,053			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	3,337,031	-	1,668,516			1,668,516			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	1,463,362			1,463,362			Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	-	42,297,527	21,148,764			21,148,764			Temporary difference for additional state depreciation allowed for WV tax return
Additional State Depreciation MD	-	1,663,916	831,958			831,958			Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	-	6,837,309	3,418,655			3,418,655			Temporary difference for additional state depreciation allowed for PA tax return
AFUDC Equity Flow Through	5,618,518	-	2,809,259			2,809,259			Portion of AFUDC Equity that relates to property and booked to account 282
AFUDC Debt	-	3,408,893	1,704,447			1,704,447			Portion of AFUDC Debt that relates to property and booked to account 282
Cost of Removal	(2,704,317)	(2,654,486)	(2,679,402)			(2,679,402)			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	22,838	37,702	30,270			30,270			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)	(25,329)			(25,329)			
Vegetation Management - Transmission	-	(27,318)	(13,659)			(13,659)			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Other Basis Differences	(72,540,385)	(33,786,439)	(53,163,412)			(53,163,412)			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	1,523,596			1,523,596			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	450,063,236	494,077,056	472,070,146	-	-	472,070,146	-	-	
Less FASB 109 included above	21,418,854	3,540,272	12,479,563	-	-	12,479,563	-	-	
Less FASB 106 included above	-	-	-			-			
Total	428,644,382	490,536,784	459,590,583			459,590,583			

Instructions for Account 282:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. 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	
	Trans-Allegheny Interstate Company								
ADIT-283	Beg of Year Balance p276.19.b	End of Year Balance p277.19.k	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Accrued Taxes: Property Taxes	3,352,114	3,286,127	3,319,121			3,319,121			West Virginia property tax payment
FASB 109 Gross-Up	-	4,113,392	2,056,696			2,056,696			Reclass of the tax portion (gross-up) for property items included in account 283
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
Deferred Charge EIB	6,775	8,386	7,581			7,581			Allocated portion of total liabilities relating to captive insurance
Deferred Revenue - Pole Attachment	243	-	122			122			Deferred revenues associated with attachments to FirstEnergy poles
Accelerated Tax Depr-PA-Norm	-	-	-			-			Additional tax depreciation over book
Accelerated Tax Depr-MD-Norm	-	140,228	70,114			70,114			Additional tax depreciation over book
Accelerated Tax Depr-VA-Norm	-	868,155	434,078			434,078			Additional tax depreciation over book
Accelerated Tax Depr-WV-Norm	-	3,859,917	1,929,959			1,929,959			Additional tax depreciation over book
AFUDC Debt-MD-Norm	-	25,607	12,804			12,804			Portion of AFUDC debt that relates to property and booked to account 189
AFUDC Debt-PA-Norm	-	-	-			-			Portion of AFUDC debt that relates to property and booked to account 190
AFUDC Debt-VA-Norm	-	-	-			-			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 191
AFUDC Equity/FAS43-Fed-FT	-	-	-			-			
PAA - 221 Debt Amort	22,771	22,261	22,516		22,516				Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FE/AYE merger
PAA - LT Regulatory Asset Amort	1,240,668	1,212,875	1,226,772		1,226,772				Reflects the adjustments and subsequent amortization of adjusted regulatory asset balances associated with the FE/AYE merger
PJM Receivable	34,655,162	41,980,806	38,317,984			38,317,984			Comparison of actual to forecast revenues - non-property related
Reserve for EIB	-	-	-			-			Adjustment for reserve for EIB in Goodwill carried over to current year
SC01 Timing Allocation	385,176	376,548	380,862			380,862			Timing differences related to service company allocations
AFUDC Equity/FAS43-Fed-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-MD-FT	-	-	-			-			
AFUDC Equity/FAS43-MD-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-PA-FT	-	-	-			-			
AFUDC Equity/FAS43-PA-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-VA-FT	-	-	-			-			
AFUDC Equity/FAS43-VA-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-WV-FT	-	-	-			-			
AFUDC Equity/FAS43-WV-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS 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 283
AFUDC Equity/FAS 43-MD-FT-Reversal-CWIP	-	35,785	17,893			17,893			Portion of AFUDC Equity that relates to property and booked to account 284
AFUDC Equity/FAS 43-PA-FT-Reversal-CWIP	-	115,983	57,992			57,992			Portion of AFUDC Equity that relates to property and booked to account 285
AFUDC Equity/FAS 43-VA-FT-Reversal-CWIP	-	39,417	19,709			19,709			Portion of AFUDC Equity that relates to property and booked to account 286
AFUDC Equity/FAS 43-WV-FT-Reversal-CWIP	-	302,990	151,495			151,495			Portion of AFUDC Equity that relates to property and booked to account 287
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	-	5,172,848	2,586,424			2,586,424			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	-	2,894,583	1,447,292			1,447,292			Taxable CIAC
CIAC-MD-Norm	-	47,976	23,988			23,988			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	-	26,846	13,423			13,423			Taxable CIAC
CIAC-PA-Norm	-	155,494	77,747			77,747			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	-	87,010	43,505			43,505			Taxable CIAC
CIAC-VA-Norm	-	90,395	45,198			45,198			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIP	-	29,571	14,786			14,786			Taxable CIAC
CIAC-WV-Norm	-	426,178	213,089			213,089			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	-	227,302	113,651			113,651			Taxable CIAC
Cost of Removal-MD-Norm	-	-	-			-			
Cost of Removal-VA-Norm	-	1,265	633			633			Temporary difference arising for removal of plant/property
Cost of Removal-WV-Norm	-	-	-			-			
Misc Current Liability	-	237	119			119			Misc Liability
NOL Deferred Tax Asset - LT VA	-	9,673	4,837			4,837			Result of bonus depreciation
Other Basis Differences-MD-Norm	-	-	-			-			
Other Basis Differences-VA-Norm	-	17,750	8,875			8,875			Other property related temporary differences
Other Basis Differences-WV-Norm	-	-	-			-			
Tax Interest Capitalized-Fed-Norm-Reversal CWIP	-	29,181,544	14,590,772			14,590,772			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	-	-	-			-			
Tax Interest Capitalized-MD-Norm-Reversal CWIP	-	270,645	135,323			135,323			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	-	149,109	74,555			74,555			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal CWIP	-	877,189	438,595			438,595			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	-	4	2			2			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal CWIP	-	298,115	149,058			149,058			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	-	5	3			3			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal CWIP	-	2,291,534	1,145,767			1,145,767			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. 2011-41
Tax UoP Repair Exp-WV-Norm	-	38,557	19,279			19,279			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-42
Tax UoP Repair Exp-VA-Norm	-	-	-			-			
Vegetation Management	-	27,318	13,659			13,659			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	39,662,909	102,663,596	71,163,253		1,249,288	69,913,965	-	-	
Less FASB 109 included above	-	4,113,392	2,056,696	-	-	2,056,696	-	-	
Less FASB 106 included above									
Total	39,662,909	98,550,204	69,106,557		1,249,288	67,857,269	-	-	

Instructions for Account 283:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. 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	p263.35(i)	4,204,121	100.0000%	$ 4,204,121	
1.2	2014 State Property WV	p263.34(i)	4,146,727	100.0000%	4,146,727	
1.3	2015 State Property PA (PURTA)	p263.22(i)	25,000	100.0000%	25,000	
1.4	Prior Years' State Property PA (PURTA)	p263.23(i)	(3,771)	100.0000%	(3,771)	
1.5						
1.6	2014 Local Property WV	p263.1.3(i)	13,243	100.0000%	13,243	
1.7	2015 Local Property WV	p263.1.4(i)	14,871	100.0000%	14,871	
1.8	2015 Local Property VA	p263.1.7(i)	1,536,559	100.0000%	1,536,559	
1.9	2015 Local Property PA	p263.1.10(i)	4,731	100.0000%	4,731	
2.0	2014 Local Property MD	p263.1.13(i)	610,517	100.0000%	610,517	
2.1	2015 Local Property MD	p263.1.14(i)	572,827	100.0000%	572,827	
2.2	2014 WV Franchise Tax	p263.32(i)	-8,880	100.0000%	-8,880	
2.3	2015 Capital Stock Tax/Franchise MD	p263.9(i)	300	100.0000%	300	
2.4	2014 Capital Stock Tax/Franchise PA	p263.19(i)	45,462	100.0000%	45,462	
2.5	2015 Capital Stock Tax/Franchise PA	p263.20(i)	20,786	100.0000%	20,786	
2.6	Gross Premium MD		0	100.0000%	0	
2.7	Gross Premium PA		0	100.0000%	0	
2.8	State Sales/Use Tax PA	p263.15(i)	1,332	100.0000%	1,332	
2.9	State License WV		0	100.0000%	0	
3.0	Federal Excise Tax	p263.3(i)	1,170	100.0000%	1,170	
4	**Total Plant Related**		11,184,996	100.0000%	11,184,996	
	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)**		11,184,996		**11,184,996**	Input to Appendix A, Line 82
	Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.2(i)	23,466,448			
15	Corporate Net Income Tax MD	p263.7(i)	501,252			
16	Corporate Net Income Tax PA	p263.14(i)	1,265,642			
17	Corporate Net Income Tax VA	p263.27(i)	381,470			
18	Corporate Net Income Tax WV	p263.31(i)	3,036,661			
19	**Subtotal, Excluded**		28,651,473			
20	**Total, Included and Excluded (Line 13 + Line 19)**		39,836,469			
21	**Total Other Taxes from p114.14.c**		11,184,996			
22	**Difference (Line 20 - Line 21)**		28,651,473			

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		2,080,901	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)	2,080,901	
12	Less line 14g		-	
13	Total Revenue Credits	(Line 11 - Line 12)	2,080,901	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		2,080,901	

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

	Return and Taxes at High End of the range of Reasonableness				
A	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)		186,390,956	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		1,307,333,507
2	Preferred Dividends	enter positive	Appendix A, Line 84		0
	Common Stock				
3	Proprietary Capital		Appendix A, Line 85		931,728,042
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		931,728,042
	Capitalization				
8	Long Term Debt		Appendix A, Line 90		624,624,121
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		624,624,121
13	Preferred Stock		Appendix A, Line 95		0
14	Common Stock		Appendix A, Line 96		931,728,042
15	Total Capitalization		Appendix A, Line 97		1,556,352,163
16	Debt %	Total Long Term Debt	Appendix A, Line 98		40.1339%
17	Preferred %	Preferred Stock	Appendix A, Line 99		0.0000%
18	Common %	Common Stock	Appendix A, Line 100		59.8661%
19	Debt Cost	Total Long Term Debt	Appendix A, Line 101		0.0395
20	Preferred Cost	Preferred Stock	Appendix A, Line 102		0.0000
21	Common Cost	Common Stock		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)		0.0760
25	Rate of Return on Rate Base (ROR)		(Sum Lines 22 to 24)		**0.0919**
26	Investment Return = Rate Base * Rate of Return		**(Line 1 * Line 25)**		**120,121,564**

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	7.70%
29	p = percent of federal income tax deductible for state purposes		Appendix A, Line 111	0.00%
30	T	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =	Appendix A, Line 112	40.00%
31	T/ (1-T)		Appendix A, Line 113	66.67%
32	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		66,269,393
33	**Total Income Taxes**		**(Line 32)**	**66,269,393**

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 Total	EOY Balance for Estimate Total	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	OsageWhiteley	Meadowbrook Transformer
	December	p206.58.b	For 2014	1,539,516,439		46,629,901	17,965,415	1,070,838,672	2,024,007	24,759,276	8,202,934
	January	company records	For 2015	1,543,407,730		46,629,901	17,965,415	1,073,367,279	2,024,007	24,672,422	8,202,934
	February	company records	For 2015	1,542,821,688		46,629,901	17,965,415	1,070,823,695	2,024,007	24,579,712	8,202,934
	March	company records	For 2015	1,545,387,656		46,629,901	17,965,415	1,073,169,962	2,024,007	24,579,712	8,202,934
	April	company records	For 2015	1,545,304,442		46,629,901	17,965,415	1,073,230,178	2,024,007	24,579,712	8,202,934
	May	company records	For 2015	1,595,623,603		46,629,901	17,965,415	1,073,235,632	2,024,007	24,579,712	8,202,934
	June	company records	For 2015	1,602,335,997		46,629,901	17,965,415	1,071,982,712	2,024,007	24,579,712	8,202,934
	July	company records	For 2015	1,608,429,616		46,629,901	17,965,415	1,074,212,616	2,024,007	24,554,744	8,202,934
	August	company records	For 2015	1,606,576,286		46,629,901	17,965,667	1,074,238,996	2,024,007	24,534,011	8,202,934
	September	company records	For 2015	1,640,205,762		46,629,901	17,965,667	1,074,275,658	2,024,007	24,534,011	8,202,934
	October	company records	For 2015	1,648,256,416		46,629,901	17,965,667	1,074,226,667	2,024,007	24,534,011	8,206,718
	November	company records	For 2015	1,674,376,784		46,629,901	17,965,667	1,074,251,556	2,024,007	24,534,011	8,206,718
	December	p207.58.g	For 2015	1,687,396,580	1,687,396,580	46,629,901	17,965,667	1,074,261,339	2,024,007	24,534,011	8,206,718
15	**Transmission Plant In Service**			**1,598,433,769**	**1,687,396,580**	**46,629,901**	**17,965,512**	**1,073,239,612**	**2,024,007**	**24,581,158**	**8,203,807**

	Calculation of Transmission Plant In Service	North Shenandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans
	December	80,682	7,723,538	6,496,239	39,629,071	5,149,271	4,686,053	5,700,307
	January	80,682	7,723,538	6,496,239	39,626,150	5,149,271	4,686,053	5,700,307
	February	80,682	7,723,538	6,496,239	39,626,150	5,149,271	4,686,053	5,700,307
	March	80,682	7,723,538	6,496,239	39,626,293	5,149,271	4,686,053	5,700,307
	April	80,682	7,723,538	6,496,239	39,626,295	5,149,271	4,686,053	5,700,307
	May	80,682	7,723,538	6,496,239	39,626,296	5,149,271	4,686,053	5,700,307
	June	80,682	7,723,538	6,496,239	39,626,296	5,149,271	4,686,053	5,700,307
	July	80,682	7,723,538	6,496,239	39,632,078	5,149,271	4,686,053	5,700,307
	August	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
	September	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
	October	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
	November	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
	December	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
15	**Transmission Plant In Service**	**80,682**	**7,723,538**	**6,496,239**	**39,629,146**	**5,149,271**	**4,686,053**	**5,700,307**

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	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,123,323	15,863,978	934,916	832,202	4,877,582	60,049,287	657,175	10,117,608	27,021,750	1,199,375	1,757,271	13,035,331	34,900,798	3,320,565	446,617	43,870,078	4,929,429	434,006
7,119,671	15,865,592	934,916	832,202	4,882,903	60,428,743	657,175	10,117,608	27,032,490	1,199,375	1,757,879	13,035,331	34,907,724	3,320,565	562,564	43,880,668	4,937,674	434,006
7,119,671	15,865,039	934,916	832,202	4,905,053	60,619,073	657,175	10,117,608	27,085,133	1,199,375	1,757,879	13,035,331	34,916,427	3,320,565	569,408	43,893,861	4,940,710	434,048
7,119,671	15,864,854	934,931	832,202	4,963,328	60,679,616	657,175	10,117,608	27,075,358	1,199,375	1,761,651	13,035,331	34,915,428	3,320,565	569,408	43,891,361	4,936,791	434,026
7,119,671	15,864,854	934,931	832,202	4,949,962	60,500,047	657,175	10,117,608	27,093,694	1,199,446	1,790,427	12,792,270	34,916,314	3,327,672	569,408	43,904,808	4,937,304	434,026
7,119,671	15,864,854	934,931	832,202	4,949,962	60,428,968	657,175	10,117,608	27,100,553	1,199,446	1,790,427	12,800,037	34,915,834	3,327,672	569,408	43,963,023	4,940,548	435,028
7,119,671	15,863,337	934,931	832,202	4,949,962	60,435,933	657,175	10,117,608	25,585,036	1,199,446	1,789,607	12,800,037	34,915,739	3,327,672	569,408	43,967,580	4,940,676	441,048
7,119,671	15,863,337	934,931	832,202	4,949,962	60,608,465	657,191	10,117,608	25,581,989	1,199,446	1,789,607	12,816,421	34,915,033	3,327,672	569,408	43,972,375	4,942,707	440,967
7,119,671	15,864,168	934,931	832,202	4,949,962	60,444,914	657,191	10,130,503	25,582,052	1,199,446	1,789,607	12,816,421	34,915,033	3,327,672	569,408	43,972,375	4,942,684	440,967
7,119,671	15,864,168	934,931	832,202	4,986,882	60,455,877	657,191	10,130,932	27,379,433	1,199,446	1,789,607	12,816,421	34,915,139	3,327,672	569,408	43,981,559	4,942,684	440,967
7,119,671	15,864,168	934,931	832,202	4,989,152	60,794,577	657,191	10,130,932	27,381,576	1,199,446	1,789,607	12,816,780	34,916,174	3,327,672	569,408	43,981,559	4,942,684	440,967
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,562,520	657,191	10,130,932	27,381,781	1,199,446	1,789,607	12,856,280	34,916,227	3,327,672	569,408	43,981,669	4,942,684	440,967
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
7,119,952	**15,864,360**	**1,065,087**	**832,202**	**4,944,651**	**60,505,696**	**657,182**	**10,122,700**	**26,821,767**	**1,199,424**	**1,780,214**	**12,885,559**	**35,014,912**	**3,325,485**	**559,436**	**43,941,807**	**4,939,943**	**437,845**

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	Nyswaner	Total	
5,629,441	52,352,651	9,381,128	891,214	5,349	-	-	-	-	-	-	-	-	-	-	-	-	-	1,539,516,439	
5,984,098	52,834,142	9,461,629	891,229	5,349	-	-	-	-	-	-	-	-	-	-	-	-	-	1,543,407,730	
6,055,326	52,923,368	9,535,335	891,229	1,525,052	-	-	-	-	-	-	-	-	-	-	-	-	-	1,542,821,688	
6,002,953	53,118,851	9,507,782	891,229	1,523,848	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545,387,656	
6,017,358	53,276,120	9,559,533	891,229	1,523,848	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545,304,442	
6,012,124	53,750,406	9,514,487	891,229	1,524,342	154,327	17,018,164	32,711,188	-	-	-	-	-	-	-	-	-	-	1,595,623,603	
6,011,686	53,661,637	9,512,969	891,229	1,525,147	164,817	17,790,879	32,424,428	2,662,742	6,396,327	-	-	-	-	-	-	-	-	1,602,335,997	
6,011,744	53,860,512	9,514,289	891,246	1,525,154	166,036	18,201,792	31,185,177	1,848,303	7,090,795	1,258,622	920,320	80,988	2,177,862	-	-	-	-	1,608,429,616	
6,013,139	54,344,099	9,497,691	891,246	1,525,154	347,165	18,062,963	31,188,376	863,578	5,862,559	1,277,964	889,294	80,988	2,179,204	-	-	-	-	1,606,576,286	
6,023,464	54,359,744	9,514,848	891,263	1,525,190	349,369	16,098,123	32,270,795	1,762,921	7,244,048	1,282,660	888,128	80,988	2,308,320	29,639,828	521,565	-	-	1,640,205,762	
6,025,105	54,735,889	9,550,913	891,280	1,525,223	480,353	18,655,200	30,764,003	1,753,925	7,743,329	1,331,469	836,253	5,282,863	2,312,596	30,102,639	521,565	-	-	1,648,256,416	
6,031,978	54,733,744	9,550,913	891,283	1,525,229	544,933	18,665,977	31,280,486	1,754,599	8,191,847	1,342,893	883,049	8,845,683	2,299,828	29,316,862	20,865,682	1,255,531	-	1,674,376,784	
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	7,375,651	1,342,814	878,262	20,595,363	2,304,576	29,391,313	20,704,718	1,138,659	917,779	1,687,396,580	
5,989,825	**53,750,119**	**9,511,725**	**891,245**	**1,291,086**	**211,687**	**11,007,398**	**19,471,113**	**954,292**	**3,838,812**	**602,802**	**407,331**	**2,689,759**	**1,044,799**	**9,111,588**	**3,277,964**	**184,168**	**70,598**	**1,598,433,769**	**1,554,985,024**

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

Line	Description	Source	Year	Link to Appendix A, line 15	Link to Appendix A, line 15
	Calculation of Distribution Plant In Service	Source			
	December	p206.75.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p207.75.g	For 2015	-	-
	Distribution Plant In Service			-	-
	Calculation of Intangible Plant In Service	Source			
	December	p204.5.b	For 2014	10,398,271	
	December	p205.5.g	For 2015	14,052,325	14,052,325
18	**Intangible Plant In Service**			**12,225,298**	**14,052,325**
				Link to Appendix A, line 18	**Link to Appendix A, line 18**
	Calculation of General Plant In Service	Source			
	December	p206.99.b	For 2014	55,964,796	-
	December	p207.99.g	For 2015	57,266,501	**57,266,501**
18	**General Plant In Service**			**56,615,649**	**57,266,501**
				Link to Appendix A, line 18	**Link to Appendix A, line 18**
	Calculation of Production Plant In Service	Source			
	December	p204.46b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p205.46.g	For 2015	-	-
	Production Plant In Service			-	-
6	**Total Plant In Service**	Sum of averages above		**1,667,274,716**	**1,758,715,406**
				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

Line	Calculation of Transmission Accumulated Depreciation	Source		13 Month Balance for Reconciliation	EOY Balance for Estimate
	December	Prior year FERC Form 1 p219.25.b	For 2014	99,909,818	
	January	company records	For 2015	102,629,975	
	February	company records	For 2015	105,231,990	
	March	company records	For 2015	107,794,813	
	April	company records	For 2015	110,395,259	
	May	company records	For 2015	113,019,995	
	June	company records	For 2015	115,689,528	
	July	company records	For 2015	118,441,565	
	August	company records	For 2015	121,408,302	
	September	company records	For 2015	124,190,854	
	October	company records	For 2015	126,928,148	
	November	company records	For 2015	129,499,730	
	December	p219.25.b	For 2015	132,411,556	132,411,556
23	**Transmission Accumulated Depreciation**			**115,965,502**	**132,411,556**
				Link to Appendix A, line 23	**Link to Appendix A, line 23**

Month	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	Osage Whiteley	Meadowbrook Transformer	North Shenandoah
December	9,420,216	(2,643,941)	82,246,430	70,493	857,590	1,116,331	(1,628,802)
January	9,534,497	(2,595,363)	84,085,835	73,360	905,432	1,130,686	(1,628,688)
February	9,648,779	(2,546,786)	85,804,959	76,227	953,105	1,145,041	(1,628,574)
March	9,763,061	(2,498,209)	87,524,070	79,095	1,000,696	1,159,396	(1,628,460)
April	9,877,342	(2,449,631)	89,279,729	81,962	1,048,287	1,151,716	(1,628,345)
May	9,991,624	(2,401,054)	91,031,996	84,829	1,095,878	1,165,671	(1,628,231)
June	10,105,906	(2,351,781)	92,773,712	87,697	1,143,469	1,179,626	(1,628,117)
July	10,220,187	(2,303,145)	94,530,321	90,564	1,191,035	1,193,581	(1,628,002)
August	10,334,469	(2,254,510)	96,498,736	93,431	1,238,555	1,207,537	(1,627,888)
September	10,448,750	(2,205,874)	98,265,744	96,299	1,286,053	1,221,492	(1,627,774)
October	10,563,032	(2,157,238)	99,938,535	99,166	1,333,551	1,235,747	(1,627,659)
November	10,677,314	(2,108,602)	101,432,803	102,033	1,381,049	1,225,570	(1,627,545)
December	10,791,595	(2,059,966)	103,209,217	104,901	1,428,548	1,239,725	(1,627,431)
Transmission Accumulated Depreciation	**10,105,906**	**(2,352,008)**	**92,817,084**	**87,697**	**1,143,327**	**1,182,471**	**(1,628,117)**

Month	Bedington Transformers	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans	Cabot SS
December	949,704	730,074	4,334,394	414,257	321,752	596,654	434,971
January	963,220	742,164	4,403,742	422,164	328,559	609,118	447,431
February	976,737	754,254	4,473,088	430,072	335,337	621,582	459,538
March	990,253	766,344	4,542,434	437,980	342,051	634,046	471,996
April	1,003,769	778,434	4,611,780	445,887	348,890	646,510	484,456
May	1,017,285	790,524	4,681,126	453,795	355,707	658,975	496,794
June	1,030,801	802,615	4,750,472	461,702	362,523	671,439	509,254
July	1,044,318	814,705	4,819,823	469,610	369,339	683,903	521,714
August	1,057,834	826,795	4,889,179	477,517	375,837	696,367	534,174
September	1,071,350	838,885	4,958,535	485,425	382,641	708,831	546,634
October	1,084,866	850,975	5,027,891	493,332	389,446	721,296	559,094
November	1,098,382	863,065	5,097,247	501,240	396,250	733,760	571,554
December	1,111,899	875,156	5,166,603	509,147	403,054	746,224	584,014
Transmission Accumulated Depreciation	**1,030,801**	**802,615**	**4,750,486**	**461,702**	**362,414**	**671,439**	**509,355**

Details

13 Month Balance For Reconciliation

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
169,357	18,846	13,834	89,154	678,530	17,424	254,635	183,306	11,532	19,981	178,471	399,670	37,506	4,841	496,224	50,870	1,138
199,276	20,486	15,291	97,704	784,613	18,575	264,974	235,495	13,631	23,057	204,021	460,752	43,317	5,724	572,979	59,504	1,898
229,195	22,127	16,747	106,307	890,863	19,726	275,313	287,748	15,730	26,133	229,570	521,849	49,128	6,715	649,755	68,147	2,657
259,114	23,768	18,203	115,044	996,972	20,877	285,652	340,044	17,829	29,183	255,120	582,951	53,377	7,711	726,572	76,790	3,417
287,407	25,409	19,660	123,695	1,103,290	22,028	295,991	392,350	19,927	32,541	267,876	644,054	59,186	8,708	803,368	85,429	4,176
315,181	27,050	21,116	132,357	1,209,378	23,179	306,330	444,681	18,023	35,674	291,214	705,157	65,110	9,704	880,149	94,072	4,937
342,263	28,691	22,572	141,020	1,315,547	24,330	316,669	495,699	20,135	38,807	314,554	766,260	70,933	10,701	957,078	102,718	5,703
369,964	30,332	24,029	149,682	1,421,860	25,481	327,009	545,394	22,248	41,938	337,937	827,362	76,756	11,697	1,032,773	111,351	6,475
397,646	31,973	25,485	158,344	1,528,182	26,633	337,348	595,085	24,360	45,070	361,366	888,463	82,580	12,694	1,109,724	120,001	7,247
425,330	33,614	26,941	167,039	1,634,370	27,784	347,687	646,679	26,472	48,202	384,795	949,565	88,403	13,690	1,186,665	128,651	8,019
453,013	35,254	28,398	175,768	1,740,564	28,935	358,026	700,178	28,584	51,334	408,224	1,010,667	94,227	14,686	1,263,633	137,300	8,790
480,719	36,895	29,854	184,476	1,846,751	30,086	368,365	753,679	30,696	54,466	431,654	1,071,770	100,050	15,683	1,340,601	145,950	9,562
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	105,874	16,679	1,417,568	154,600	10,334
341,301	**28,691**	**22,572**	**141,058**	**1,315,681**	**24,330**	**316,669**	**494,424**	**21,690**	**38,768**	**316,914**	**766,349**	**71,265**	**10,710**	**956,699**	**102,722**	**5,719**

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	Nyswaner	Total
4,926	49,062	8,484	1,892	15	-	-	-	-	-	-	-	-	-	-	-	-	-	99,909,818
15,088	142,986	24,972	3,452	24	-	-	-	-	-	-	-	-	-	-	-	-	-	102,629,975
25,622	237,330	41,594	5,011	1,364	-	-	-	-	-	-	-	-	-	-	-	-	-	105,231,990
36,173	292,402	58,257	6,571	4,032	-	-	-	-	-	-	-	-	-	-	-	-	-	107,794,813
46,691	382,916	74,941	8,130	6,699	-	-	-	-	-	-	-	-	-	-	-	-	-	110,395,259
57,217	473,860	91,630	9,690	9,366	-	-	-	-	-	-	-	-	-	-	-	-	-	113,019,995
67,738	565,219	108,279	11,250	12,035	144	15,567	28,371	2,330	5,597	-	-	-	-	-	-	-	-	115,689,528
78,258	656,674	124,928	12,809	29,630	434	47,061	84,030	138	17,398	1,116	1,751	-	7,099	-	-	-	-	118,441,565
88,780	749,025	141,564	14,369	47,225	883	78,792	138,607	3,152	28,732	3,336	2,693	-	10,912	-	-	-	-	121,408,302
99,312	854,482	157,795	15,929	49,895	1,492	108,683	186,122	6,063	40,200	5,576	3,635	-	14,838	25,935	-	-	-	124,190,854
109,854	973,281	173,662	17,489	52,564	2,218	139,092	233,266	9,707	53,314	7,864	4,577	4,552	18,882	78,210	-	-	-	126,928,148
120,404	1,092,409	189,555	19,048	55,234	3,115	171,748	287,555	13,339	67,258	10,204	5,519	16,943	22,917	130,202	17,801	1,099	-	129,499,730
130,975	1,211,587	205,448	20,608	57,903	4,069	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
67,772	**590,864**	**107,778**	**11,250**	**25,076**	**950**	**58,869**	**100,020**	**3,980**	**22,568**	**3,127**	**1,895**	**4,949**	**7,815**	**31,994**	**5,466**	**330**	**62**	**115,965,502**

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

Line	Description	Source	Year		
	Calculation of Distribution Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.26.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p219.26.b	For 2015	-	-
	Distribution Accumulated Depreciation			-	-
	Calculation of Intangible Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p200.21.b	For 2014	6,322,660	
	December	p200.21b	For 2015	7,830,329	7,830,329
25	**Accumulated Intangible Depreciation**			**7,076,495**	**7,830,329**
				Link to Appendix A, line 25	**Link to Appendix A, line 25**
	Calculation of General Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.28b	For 2014	5,276,835	
	December	p219.28.b	For 2015	6,723,810	6,723,810
24	**Accumulated General Depreciation**			**6,000,323**	**6,723,810**
				Link to Appendix A, line 24	**Link to Appendix A, line 24**
	Calculation of Production Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.20.b-24.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p219.20.b thru 219.24.b	For 2015	-	-
	Production Accumulated Depreciation			-	-
8	**Total Accumulated Depreciation**	Sum of averages above		**129,042,319**	**146,965,695**
				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

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions	Note	Form 1 Page	Form 1 Amount Beg of year	Electric Portion End of Year (for estimate)	Non-electric Portion Average of Beginning and Ending Balances	Details
	Materials and Supplies						
40	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

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

CWIP & Expensed Lease Worksheet

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions	Note	Reference	Beg of year	CWIP In Form 1 Amount	Expensed Lease in Form 1 Amount	Details
	Plant Allocation Factors						
6	Electric Plant in Service	(Note B)	Attachment 5	1,605,879,506	-	-	
	Plant In Service						
15	Transmission Plant In Service	(Note B)	Attachment 5	1,539,516,439	-	-	
	Accumulated Depreciation						
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	99,909,818	-	-	

Pre-Commercial Costs Capitalized

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions	EOY for Estimate and BOY for Final	Amortization Amount (Over 4 Years)	Calculated End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliation)
35	Unamortized Capitalized Pre-Commercial Costs	$ -	$ -	$ -	$ -

EPRI Dues Cost Support

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

Regulatory Expense Related to Transmission Cost Support

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions	Note	Form 1 Page	Form 1 Amount	Transmission Related	Non-transmission Related		Details
	Directly Assigned A&G							
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

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions	Note	Form 1 Page	Form 1 Amount	Safety Related	Non-safety Related		Details
	Directly Assigned A&G							
66	General Advertising Exp Account 930.1	(Note F)	p323.191.b	5	-	-	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
	Income Tax Rates		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				
110	SIT=State Income Tax Rate or Composite	(Note H)	7.6951%					

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
	Directly Assigned A&G						
63	General Advertising Exp Account 930.1	(Note J)	p323.191.b	5	-	5	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
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
126	Excluded Transmission Facilities		(Note L)		General Description of the Facilities
	Step-Up 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				
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,			Or	
	the following formula will be used:	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

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 Related	Details
36	Prepayments				Enter $		Amount	
	Prepayments	Prepaid Insurance	169,249	1,289,264	729,257	100%	729,257	
	Prepaid Pensions if not included in Prepayments		-	0	0	100%	0	
	Total Prepayments		**169,249**	**1,289,264**	729,257		729,257	

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		1,275,313	
	Total Account 566 Miscellaneous Transmission Expenses	p.321.97.b	$ 1,275,313	

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 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.

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

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Depreciation Rates

TRANSMISSION PLANT		Life		Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent
350.2	Land & Land Rights - Easements	70	-	R4	0	1.43
352	Structures & Improvements	50	-	R3	(10)	2.20
	SVC	35	-			2.86
353	Station Equipment					
	Other	50	-	R2	(5)	2.10
	SVC	Note 1	-	80 R2 - 35-yr truncation		2.96
	SCADA	15	-	S3	0	6.67
354	Towers & Fixtures	65	-	R4	(25)	1.92
355	Poles & Fixtures	55	-	R2.5	(20)	2.18
356	Overhead Conductors & Devices					
	Other	55	-	R2.5	(40)	2.80
	Clearing	70	-	R4	0	1.43
357	Underground conduit	55	-	S3	(5)	1.91
358	Underground conductor and devices	45	-	R3	(5)	2.33
	SVC	35				2.86
Total Transmission Plant Depreciation						
Total Transmission Depreciation Expense (must tie to p336.7.f)	32,668,650					

TRANSMISSION PLANT		Black Oak	Wylie Ridge	502 Junction - Territorial 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	Land & Land Rights - Easements			2,455,647								
352	Structures & Improvements	16,761		1,340,139								
	SVC											
353	Station Equipment	1,354,619	583,338	778,465	169,363	1,372	162,194	145,082	832,210	94,890	81,620	149,570
	Other											
	SVC											
	SCADA											
354	Towers & Fixtures			7,287,528								
355	Poles & Fixtures			2,925,955								
356	Overhead Conductors & Devices			6,251,919								
	Other											
	Clearing											
357	Underground conduit											
358	Underground conductor and devices											
	SVC	-	-	-	-	-	-	-	-	-	-	-
Total Transmission Plant Depreciation		1,371,379	583,338	21,039,652	169,363	1,372	162,194	145,082	832,210	94,890	81,620	149,570

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 Whitely	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City	Altoona
				71						2,654				
152	281		14,882	1,860	1,255				124,069		2,156			
149,368	13,533	34,408	110,729	337,261	18,436	17,476	104,007	1,274,408		260,331	23,130	37,396		734,352
													25,696	
			96,651							8,298			136,005	
			348,696							352,592			114,912	
-														
149,520	13,814	34,408	570,958	339,191	19,691	17,476	104,007	1,274,408	124,069	623,875	25,286	37,396	276,613	734,352

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	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Total
																	770						2,459,141
						10,795																	1,512,350
																							-
																							-
69,838	11,838	922,805	103,731	9,195	126,050	1,074,343	196,964	18,716	57,772	4,069	204,359	342,313	17,013	80,879	12,554	6,462	26,956	26,946	181,571	53,262	3,194	803	11,019,189
																							-
																							-
																							-
																							-
																							7,313,224
						63,752			117								13,291						3,244,068
																							-
						50,737											1,823						7,120,679
																							-
																							-
																							-
																							-
																							-
																							-
69,838	11,838	922,805	103,731	9,195	126,050	1,199,627	196,964	18,716	57,889	4,069	204,359	342,313	17,013	80,879	12,554	6,462	42,840	26,946	181,571	53,262	3,194	803	32,668,650

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	893,110	
391	Office Furniture & Equipment	20	SQ	0	5.00	96,332	
	Information Systems	10	SQ	0	10.00	309,347	
	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	2,743	
	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	156,475	
398	Miscellaneous Equipment	15	SQ	0	6.67	-	
Total General Plant						1,458,006	0
Total General Plant Depreciation Expense (must tie to p336.10.b & c)	1,458,006						

INTANGIBLE PLANT		**Life**	**Survivor Curve**	Net Salvage Percent	Accrual Rate (Annual) Percent	**Total**
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	1,491,899
Total Intangible Plant						1,491,899
Total Intangible Plant Amoritization (must tie to p336.1 d & e)	1,491,899					

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	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.

Step 3 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	**Estimate Step 2**	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**	CWIP	AFUDC In CWIP	AFUDC (If CWIP was not in Rate Base)
	Prexy - 502 Junction 138 kV (CWIP)	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year				
	1	-	-	-		-	-	
	2	-	-	-		-	-	
	3	-	-	-		-	-	
	4	-	-	-		-	-	
	…							
	Total	-	-	-		-	-	
	Prexy - 502 Junction 500 kV (CWIP)							
	1	-	-	-		-	-	
	2	-	-	-		-	-	
	3	-	-	-		-	-	
	4	-	-	-		-	-	
	…							
	Total	-	-	-		-	-	
	502 Junction - Territorial Line (CWIP)							
	1	-	-	-		139,318	-	136,129,170
	2	-	-	-		-	-	-
	3	-	-	-		-	-	-
	4	-	-	-		-	-	-
	…							
	Total	-	-	-		139,318	-	136,129,170

Total Additions to Plant In Service (sum of the above for each project)	Refer to Attachment 5 - Cost Support Plant in Service Worksheet	136,129,170
Total Additions to Plant in Service reported on pages 204-207 of the Form No. :	Refer to Attachment 5 - Cost Support Plant in Service Worksheet	
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.

Trans-Allegheny Interstate Line 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
2	April	Year 2	TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.
3	April	Year 2	TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)
4	May	Year 2	Post results of Step 3 on PJM web site
5	June	Year 2	Results of Step 3 go into effect
6	April	Year 3	TO estimates all transmission Cap Adds and CWIP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected be in service in Year 3.
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 CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year).
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)
9	May	Year 3	Post results of Step 8 on PJM web site
10	June	Year 3	Results of Step 8 go into effect

Reconciliation Details

1 April Year 2 TO populates the formula with Year 1 data

Rev Req based on Year 1 data

Must run Appendix A to get this number (without any cap adds in Appendix A line 16 and without CWIP in Appendix A line 33)

2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Rider Sub (West Milford)		Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	502 Junction - Territorial Line (monthly additions)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	106
Jan 2015	Actual	-	-	-	-	-	-	-	6,009,487
Feb	Actual	-	-	-	-	-	-	-	(6,007,300)
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Actual	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	-	-	-	754,538	22,073,337	788,782	564,788	-
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	34,366,931	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	18,411,593	-	-	-	-	-	-	-
Total		18,411,593	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293

Month End Balances

Other Projects PIS (Monthly additions)	Rider Sub (West Milford)		Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	502 Junction - Territorial Line (monthly additions)
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
	-	-	-	-	-	-	-	106
	-	-	-	-	-	-	-	6,009,593
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	-	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	18,411,593	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	18,411,593	**-**	**103,100,793**	**5,281,766**	**154,513,359**	**5,521,474**	**3,953,516**	**6,034,920**
	1,416,276	-	7,930,830	406,290	11,885,643	424,729	304,117	464,225
(Appendix A, Line 16)	(Appendix A, Line 16)	(Appendix A, Line 16)	(Appendix A, Line 16)			(Appendix A, Line 33)		

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Claysburg Ring Bus	Yeagertown	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville
		(in service)	(in service)		(in service)				(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	-
Jan 2015	Actual	-	-	-	-	-	-	-	-
Feb	Actual	-	-	-	-	-	-	-	-
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Budget	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	945,000	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739

Month End Balances

Other Projects PIS (Monthly additions)	Claysburg Ring Bus	Yeagertown	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	20,333,600	**7,214,123**	**18,983,494**	**102,884,852**	**245,724,136**	**5,759,614**	**2,835,000**	**13,823,173**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	-
Jan 2015	Actual	-	-	-	-	-	-	-	-
Feb	Actual	-	-	-	-	-	-	-	-
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Actual	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	-	-	-	-	-	-	-	-
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-

Month End Balances

Other Projects PIS (Monthly additions)								
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**

3 April Year 2 TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)

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

Wylie 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 Whiteley (Monthly Additions)	Meadowbrook SS	502 Junction - Territorial Line (Monthly additions)
$ 3,142,765	6,450,496.74	219,346.51	1,075,868.34	1,025,920.05	880,320.91	5,330,749	698,648	638,282	800,333	1,002,346	6,030,191	135,653	118,184	699,723	283,499	3,633,473	8,248,845	155,978,006

502 Junction Substation	Waldo Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Northwood	Shuman Hill	Buffalo Road	Pleasureville Capacitor	Grover SS Capacitor
$ 1,381,688.46	6,718,248.12	3,605,452.90	456,125.96	1,203,582.19	672,884.34	70,759	95,418	4,798,880	162,993	241,502	722,103	61,172	135,583	-	695	56,333	-	38,778

Total Revenue Requirement	Handsome Lake - Homer City	West Union	Rider Sub (West Milford)	Oak Mound to Waldo Double Circuit	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Armstrong
$ 227,621,101.07	1,817,838.25	115,288.54	180,588.20	0.00	1,011,253.44	51,806	1,515,528	54,157	199,440	186,198	1,009,135	2,410,160	56,493	27,807	2,170,565

5 June Year 2 Results of Step 3 go into effect

6 April Year 3 TO estimates all transmission Cap Adds and CWIP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected 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)	CWIP		
Dec (Prior Year CWIP) p216.b.43									
Jan 2016									
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									
							502 Junction - Territorial Line (monthly additions)		
					(in service)	(in service)	CWIP	CWIP	CWIP
Dec (Prior Year CWIP) p216.b.43		-	-	-	-	-	-	-	-
Jan 2016		-	-	-	-	-	-	-	-
Feb		-	-	-	-	-	-	-	-
Mar		-	-	-	-	-	-	-	-
Apr		-	-	-	-	-	-	-	-
May		-	-	-	-	-	-	-	-
Jun		-	-	-	-	-	-	-	-
Jul		-	-	-	-	-	-	-	-
Aug		-	-	-	-	-	-	-	-
Sep		-	-	-	-	-	-	-	-
Oct		-	-	-	-	-	-	-	-
Nov		-	-	-	-	-	-	-	-
Dec		-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-		
New Transmission Plant Additions for Year 3 (13 month average balance)	-	-	-	-	-	-	-		

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)	Wylie 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 CWIP 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)		
							CWIP		
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-		3,277,585		
Jan 2015	Actual	-	-	-	-		1,600,838		
Feb	Actual	-	-	-	-		(4,940,191)		
Mar	Actual	-	-	-	-		(104,764)		
Apr	Actual	-	-	-	-		(2)		
May	Actual	-	-	-	-		392		
Jun	Actual	-	-	-	-		46,962		
Jul	Actual	-	-	-	-		(32,497)		
Aug	Actual	-	-	-	-		293,226		
Sep	Actual	-	-	-	-		2,126		
Oct	Actual	-	-	-	-		(3,770)		
Nov	Actual	-	-	-	-		59		
Dec	Actual	-	-	-	-		(646)		
Total		-	-	-	-	-	139,318	-	-

Month End Balances								
Other Projects PIS (Monthly additions)						502 Junction - Territorial Line (monthly additions)		
						CWIP		
	-	-	-	-	-	3,277,585	-	-
	-	-	-	-	-	4,878,423	-	-
	-	-	-	-	-	(61,769)	-	-
	-	-	-	-	-	(166,533)	-	-
	-	-	-	-	-	(166,535)	-	-
	-	-	-	-	-	(166,142)	-	-
	-	-	-	-	-	(119,180)	-	-
	-	-	-	-	-	(151,677)	-	-
	-	-	-	-	-	141,549	-	-
	-	-	-	-	-	143,675	-	-
	-	-	-	-	-	139,905	-	-
	-	-	-	-	-	139,964	-	-
	-	-	-	-	-	139,318	-	-
	-	**-**	**-**	**-**	**-**	**8,028,583**	**-**	**-**
	-	-	-	-	-	617,583	-	-

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
$ 229,938,924.57	280,278.20	988,924.56	788,128.95	630,629.44	690,111.56	5,261,055	868,051	1,012,029	1,060,923	218,352	6,330,396	3,163,229	154,239,589	3,547,062	2,310,288	151,291	120,282	713,961

Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor
8,790,276	64,066	1,872,563	94,172	174,833	258,523	5,083,188	483,054	3,966,885	1,369,226	81,515	6,380,996	717,954	878,024	7,949,717	1,391,064	130,457	30,828

Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstwon Sub Capcitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Conemaugh Capacitor
26,537	383,754	1,334,486	218,645	468,800	88,700	57,943	565,461	1,594,588	2,802,028	137,683	9,760	158,621	-

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		
229,938,925	-	227,621,101	=	2,317,823

<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 35.19a for March Current Yr 0.2700%

Month	Yr	1/12 of Step 9	Interest 35.19a for March Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	193,152	0.2700%	11.5	5,997	199,149
Jul	Year 1	193,152	0.2700%	10.5	5,476	198,628
Aug	Year 1	193,152	0.2700%	9.5	4,954	198,106
Sep	Year 1	193,152	0.2700%	8.5	4,433	197,585
Oct	Year 1	193,152	0.2700%	7.5	3,911	197,063
Nov	Year 1	193,152	0.2700%	6.5	3,390	196,542
Dec	Year 1	193,152	0.2700%	5.5	2,868	196,020
Jan	Year 2	193,152	0.2700%	4.5	2,347	195,499
Feb	Year 2	193,152	0.2700%	3.5	1,825	194,977
Mar	Year 2	193,152	0.2700%	2.5	1,304	194,456
Apr	Year 2	193,152	0.2700%	1.5	782	193,934
May	Year 2	193,152	0.2700%	0.5	261	193,413
Total		2,317,823				2,355,372

		Balance	Interest	Amort	Balance
Jun	Year 2	2,355,372	0.2700%	199,743	2,161,989
Jul	Year 2	2,161,989	0.2700%	199,743	1,968,084
Aug	Year 2	1,968,084	0.2700%	199,743	1,773,655
Sep	Year 2	1,773,655	0.2700%	199,743	1,578,701
Oct	Year 2	1,578,701	0.2700%	199,743	1,383,220
Nov	Year 2	1,383,220	0.2700%	199,743	1,187,212
Dec	Year 2	1,187,212	0.2700%	199,743	990,675
Jan	Year 3	990,675	0.2700%	199,743	793,607
Feb	Year 3	793,607	0.2700%	199,743	596,007
Mar	Year 3	596,007	0.2700%	199,743	397,873
Apr	Year 3	397,873	0.2700%	199,743	199,205
May	Year 3	199,205	0.2700%	199,743	-
Total with interest				2,396,913	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest	2,396,913	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	2,396,913	

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
$ 2,396,913	(3,331)	(13,880)	(12,620)	(7,914)	(8,828)	(72,073)	(12,689)	(14,365)	(15,456)	(1,028)	(124,199)	21,163	(1,797,735)	(89,360)	144,490	16,171	2,170	14,724

Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor
559,906	7,997	56,592	(1,289)	12,244	17,602	294,009	27,847	373,765	(12,888)	21,037	362,776	46,608	161,241	1,273,490	193,879	15,686	(21,693)

Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capcitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Conemaugh Capacitor
(45,731)	210,098	334,262	225,387	(1,082,445)	35,722	19,820	378,510	605,430	405,240	83,960	(18,663)	23,824	(192,551)

9 May Year 3 Post results of Step 8 on PJM web site

$ 2,396,913

10 June Year 3 Results of Step 8 go into effect

$ 2,396,913

Trans-Allegheny Interstate Line Company

Attachment 7 - Transmission Enhancement Charge Worksheet

1 **Revenue Requirement By Project**

Line		Formula Line		
2	**Fixed Charge Rate (FCR) if not a CIAC**			
3	A	137	FCR without Depreciation and Pre-Commercial Costs	12.6979%
4	B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial	13.5774%
5	C		Line B less Line A	0.8796%
6	**FCR if a CIAC**			
7	D	138	FCR without Depreciation, Return, nor Income Taxes	1.0096%

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

Line				PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4	PJM Upgrade ID: b0218	PJM Upgrade ID: b0216
10		Details		502 Junction - Territorial Line (CWIP + Plant In Service)	Wylie Ridge Transformer (Plant In Service)	Black Oak (SVC) Dynamic Reactive Device (Plant In Service)
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	CIAC	(Yes or No)	No	No	No
13	Input the allowed ROE	Allowed ROE		12.70%	11.70%	12.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	FCR without Incentive ROE		12.6979%	12.6979%	12.6979%
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	FCR for This Project		13.5774%	12.6979%	13.5774%
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.	Investment		981,040,112	20,317,519	36,523,995
17	Annual Depreciation Exp from Attachment 5			21,039,652	583,338	1,371,379

PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4

Line			Invest Yr	Return	Depreciation	Pre-Commercial Exp.	**Reconciliation Amount**	Revenue
18								
19	See Calculations for each item below	Wo Incentive ROE	2011	124,571,144.60	21,039,651.73	0.00	0.00	145,610,796.33
20	See Calculations for each item below	W Incentive ROE	2011	133,199,937.51	21,039,651.73	0.00	0.00	154,239,589.24

PJM Upgrade ID: b0218

Line		Return	Depreciation	**Reconciliation Amount**	Revenue
19	Wo Incentive ROE	2,579,891.10	583,337.73	0.00	3,163,228.83
20	W Incentive ROE	2,579,891.10	583,337.73	0.00	3,163,228.83

PJM Upgrade ID: b0216

Line		Return	Depreciation	**Reconciliation Amount**	Revenue
19	Wo Incentive ROE	4,637,767.41	1,371,379.44	0.00	6,009,146.85
20	W Incentive ROE	4,959,016.24	1,371,379.44	0.00	6,330,395.68

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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Line	Description	PJM Upgrade ID: b0323				PJM Upgrade ID: b0230			
10		North Shenandoah Transformer (Plant In Service)				Meadowbrook Transformer (Plant In Service)			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%			
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	12.6979%				12.6979%			
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.	1,708,798				7,021,336			
17	Annual Depreciation Exp from Attachment 5	1,372				169,363			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	216,980.89	1,371.60	0.00	218,352.49	891,559.79	169,362.94	0.00	1,060,922.73
20	See Calculations for each item below	216,980.89	1,371.60	0.00	218,352.49	891,559.79	169,362.94	0.00	1,060,922.73

Line	Description	PJM Upgrade ID: b0229				PJM Upgrade ID: b0559			
10		Bedington Transformer (Plant In Service)				Meadowbrook Capacitor (Plant In Service)			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%			
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	12.6979%				12.6979%			
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.	6,692,736				5,693,624			
17	Annual Depreciation Exp from Attachment 5	162,194				145,082			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	849,834.58	162,194.28	0.00	1,012,028.86	722,968.72	145,082.04	0.00	868,050.76
20	See Calculations for each item below	849,834.58	162,194.28	0.00	1,012,028.86	722,968.72	145,082.04	0.00	868,050.76

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

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		PJM Upgrade ID: b0495				**PJM Upgrade ID: b0343**				**PJM Upgrade ID: b0344**				**PJM Upgrade ID: b0345**			
10		Kammer Transformers (Plant In Service)				**Doubs Replace Transformer #2**				**Doubs Replace Transformer #3**				**Doubs Replace Transformer #4**			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%				12.6979%				12.6979%			
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	12.6979%				12.6979%				12.6979%				12.6979%			
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.	34,878,660				4,687,568				4,323,639				5,028,869			
17	Annual Depreciation Exp from Attachment 5	832,210				94,890				81,620				149,570			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	4,428,845.02	832,209.58	0.00	5,261,054.60	595,221.08	94,890.48	0.00	690,111.56	549,009.79	81,619.65	0.00	630,629.44	638,558.91	149,570.04	0.00	788,128.95
20	See Calculations for each item below	4,428,845.02	832,209.58	0.00	5,261,054.60	595,221.08	94,890.48	0.00	690,111.56	549,009.79	81,619.65	0.00	630,629.44	638,558.91	149,570.04	0.00	788,128.95

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

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Line	Description	PJM Upgrade ID: b0704				PJM Upgrade ID: b1941				PJM Upgrade ID: b0563				PJM Upgrade ID: b0564			
10		**Cabot SS - Install Autotransformer**				Armstrong				Farmers Valley Capacitor				Harvey Run Capacitor			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%				12.6979%				12.6979%			
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	12.6979%				12.6979%				12.6979%				12.6979%			
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.	6,610,596				15,523,059				1,036,396				809,629			
17	Annual Depreciation Exp from Attachment 5	149,520				339,191				19,691				17,476			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	839,404.56	149,520.00	0.00	988,924.56	1,971,097.05	339,190.87	0.00	2,310,287.92	131,600.13	19,690.61	0.00	151,290.74	102,805.61	17,476.20	0.00	120,281.81
20	See Calculations for each item below	839,404.56	149,520.00	0.00	988,924.56	1,971,097.05	339,190.87	0.00	2,310,287.92	131,600.13	19,690.61	0.00	151,290.74	102,805.61	17,476.20	0.00	120,281.81

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

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Line	Description	PJM Upgrade ID: b1803			
10		Doubs SS			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	4,803,594			
17	Annual Depreciation Exp from Attachment 5	104,007			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	609,953.81	104,007.03	0.00	713,960.84
20	See Calculations for each item below	609,953.81	104,007.03	0.00	713,960.84

Line	Description	PJM Upgrade ID: b1243				
10		Potter SS				
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				
13	Input the allowed ROE	11.70%				
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				
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	12.6979%				
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.	1,936,311				
17	Annual Depreciation Exp from Attachment 5	34,408				
18		Return	Depreciation	Pre-Commercial Exp.	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	245,870	34,408	0	0	280,278.20
20	See Calculations for each item below	245,870	34,408	0	0	280,278.20

Line	Description	PJM Upgrade ID: b0674, b1023, b1023.3				
10		Osage Whiteley				
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				
13	Input the allowed ROE	11.70%				
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				
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	12.6979%				
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.	23,437,832				
17	Annual Depreciation Exp from Attachment 5	570,958				
18		Return	Depreciation	Pre-Commercial Exp.	**Reconciliation amount**	Revenue
19	See Calculations for each item below	2,976,104	570,958	0	0	3,547,062.02
20	See Calculations for each item below	2,976,104	570,958	0	0	3,547,062.02

Line	Description	PJM Upgrade ID: b1804			
10		**Meadowbrook SS**			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	59,190,015			
17	Annual Depreciation Exp from Attachment 5	1,274,408			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	7,515,867.94	1,274,408.24	0.00	8,790,276.18
20	See Calculations for each item below	7,515,867.94	1,274,408.24	0.00	8,790,276.18

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

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Line	Description	PJM Upgrade ID: b1990				PJM Upgrade ID: b0674 & b1023.1			
10		Grandview Capacitor				502 Jct Substation			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%			
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	12.6979%				12.6979%			
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.	632,852				9,806,030			
17	Annual Depreciation Exp from Attachment 5	13,814				124,069			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	80,358.66	13,813.55	0.00	94,172.21	1,245,156.46	124,069.08	0.00	1,369,225.54
20	See Calculations for each item below	80,358.66	13,813.55	0.00	94,172.21	1,245,156.46	124,069.08	0.00	1,369,225.54

Line	Description	PJM Upgrade ID: b1153				PJM Upgrade ID: b1965			
10		Conemaugh-Seward				Luxor			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%			
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	12.6979%				12.6979%			
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.	26,327,342				1,177,734			
17	Annual Depreciation Exp from Attachment 5	623,875				25,286			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	3,343,010.26	623,874.94	0.00	3,966,885.20	149,547.07	25,285.96	0.00	174,833.03
20	See Calculations for each item below	3,343,010.26	623,874.94	0.00	3,966,885.20	149,547.07	25,285.96	0.00	174,833.03

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

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Line	Description	PJM Upgrade ID: b1839				PJM Upgrade ID: b1941				PJM Upgrade ID: b1801				PJM Upgrade ID: b1967			
10		**Grandpoint & Guilford**				**Handsome Lake-Homer City**				**Altoona**				**Blairsville**			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%				12.6979%				12.6979%				12.6979%			
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	12.6979%				12.6979%				12.6979%				12.6979%			
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.	1,741,446				12,568,645				34,248,562				3,254,220			
17	Annual Depreciation Exp from Attachment 5	37,396				276,613				734,352				69,838			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	221,126.48	37,396.34	0.00	258,522.82	1,595,949.53	276,613.04	0.00	1,872,562.57	4,348,836.06	734,351.53	0.00	5,083,187.59	413,216.42	69,837.51	0.00	483,053.93
20	See Calculations for each item below	221,126.48	37,396.34	0.00	258,522.82	1,595,949.53	276,613.04	0.00	1,872,562.57	4,348,836.06	734,351.53	0.00	5,083,187.59	413,216.42	69,837.51	0.00	483,053.93

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

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Line		PJM Upgrade ID: b1672			
10		Carbon Center			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	548,726			
17	Annual Depreciation Exp from Attachment 5	11,838			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	69,676.50	11,838.11	0.00	81,514.61
20	See Calculations for each item below	69,676.50	11,838.11	0.00	81,514.61

Line		PJM Upgrade ID: b1800			
10		Hunterstown			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	42,985,108			
17	Annual Depreciation Exp from Attachment 5	922,805			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	5,458,190.77	922,805.04	0.00	6,380,995.81
20	See Calculations for each item below	5,458,190.77	922,805.04	0.00	6,380,995.81

Line		PJM Upgrade ID: b1945			
10		Johnstown			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	4,837,221			
17	Annual Depreciation Exp from Attachment 5	103,731			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	614,223.81	103,730.56	0.00	717,954.37
20	See Calculations for each item below	614,223.81	103,730.56	0.00	717,954.37

Line		PJM Upgrade ID: b1770			
10		Buffalo Road			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	432,126			
17	Annual Depreciation Exp from Attachment 5	9,195			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	54,870.77	9,195.37	0.00	64,066.14
20	See Calculations for each item below	54,870.77	9,195.37	0.00	64,066.14

Line		PJM Upgrade ID: b1964			
10		Moshannon			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No			
13	Input the allowed ROE	11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%			
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	12.6979%			
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.	5,922,053			
17	Annual Depreciation Exp from Attachment 5	126,050			
18		Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	751,974.27	126,049.63	0.00	878,023.90
20	See Calculations for each item below	751,974.27	126,049.63	0.00	878,023.90

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

Line	Description	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
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10		**Waldo Run**	**Four Mile Junction**	**West Union SS**	**Shuman Hill/Mobley**	**Yeagertown**	**Rider Sub**
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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.	53,159,255	9,403,948	879,996	1,266,010	183,838	2,684,811
17	Annual Depreciation Exp from Attachment 5	1,199,627	196,964	18,716	57,889	3,194	42,840

Line	Description	Waldo Run Return	Waldo Run Depreciation	Waldo Run Reconciliation Amount	Waldo Run Revenue	Four Mile Junction Return	Four Mile Junction Depreciation	Four Mile Junction Reconciliation Amount	Four Mile Junction Revenue	West Union SS Return	West Union SS Depreciation	West Union SS Reconciliation Amount	West Union SS Revenue
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	6,750,090.25	1,199,626.89	0.00	7,949,717.14	1,194,100.54	196,963.62	0.00	1,391,064.16	111,740.65	18,716.12	0.00	130,456.77
20	See Calculations for each item below	6,750,090.25	1,199,626.89	0.00	7,949,717.14	1,194,100.54	196,963.62	0.00	1,391,064.16	111,740.65	18,716.12	0.00	130,456.77

Line	Description	Shuman Hill/Mobley Return	Shuman Hill/Mobley Depreciation	Shuman Hill/Mobley Reconciliation Amount	Shuman Hill/Mobley Revenue	Yeagertown Return	Yeagertown Depreciation	Yeagertown Reconciliation Amount	Yeagertown Revenue	Rider Sub Return	Rider Sub Depreciation	Rider Sub Reconciliation Amount	Rider Sub Revenue
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	160,756.18	57,888.76	0.00	218,644.94	23,343.54	3,193.51	0.00	26,537.05	340,913.61	42,840.31	0.00	383,753.92
20	See Calculations for each item below	160,756.18	57,888.76	0.00	218,644.94	23,343.54	3,193.51	0.00	26,537.05	340,913.61	42,840.31	0.00	383,753.92

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

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Line		PJM Upgrade ID: b2235	PJM Upgrade ID: b2260	PJM Upgrade ID: b1802	PJM Upgrade ID: b0555	PJM Upgrade ID: b0556	PJM Upgrade ID: b1943
10		Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Ring Bus
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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.	9,079,594	210,737	3,272,497	599,675	405,436	3,816,244
17	Annual Depreciation Exp from Attachment 5	181,571	4,069	53,262	12,554	6,462	80,879

Line		b2235 Return	b2235 Depreciation	b2235 Reconciliation Amount	b2235 Revenue	b2260 Return	b2260 Depreciation	b2260 Reconciliation Amount	b2260 Revenue	b1802 Return	b1802 Depreciation	b1802 Reconciliation Amount	b1802 Revenue
18		Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	1,152,914.58	181,571.23	0.00	1,334,485.81	26,759.07	4,068.99	0.00	30,828.06	415,537.29	53,262.46	0.00	468,799.75
20	See Calculations for each item below	1,152,914.58	181,571.23	0.00	1,334,485.81	26,759.07	4,068.99	0.00	30,828.06	415,537.29	53,262.46	0.00	468,799.75

Line		b0555 Return	b0555 Depreciation	b0555 Reconciliation Amount	b0555 Revenue	b0556 Return	b0556 Depreciation	b0556 Reconciliation Amount	b0556 Revenue	b1943 Return	b1943 Depreciation	b1943 Reconciliation Amount	b1943 Revenue
18		Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	76,145.89	12,553.82	0.00	88,699.71	51,481.72	6,461.63	0.00	57,943.35	484,581.54	80,879.27	0.00	565,460.81
20	See Calculations for each item below	76,145.89	12,553.82	0.00	88,699.71	51,481.72	6,461.63	0.00	57,943.35	484,581.54	80,879.27	0.00	565,460.81

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

Line	Description	PJM Upgrade ID: b2364 & b2364.1	PJM Upgrade ID: b2362	PJM Upgrade ID: b2156	PJM Upgrade ID: b2546	PJM Upgrade ID: b1998
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10		Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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	12.6979%	12.6979%	12.6979%	12.6979%	12.6979%
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.	10,948,528	19,371,093	950,312	70,537	1,036,984
17	Annual Depreciation Exp from Attachment 5	204,359	342,313	17,013	803	26,946

Line	Description	Squab Hollow SS Return	Depreciation	Reconciliation Amount	Revenue	Squab Hollow SVC Return	Depreciation	Reconciliation Amount	Revenue
18		Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	1,390,229.29	204,358.83	0.00	1,594,588.12	2,459,715.13	342,313.25	0.00	2,802,028.38
20	See Calculations for each item below	1,390,229.29	204,358.83	0.00	1,594,588.12	2,459,715.13	342,313.25	0.00	2,802,028.38

Line	Shingletown Capacitor Return	Depreciation	Reconciliation Amount	Revenue	Nyswaner Return	Depreciation	Reconciliation Amount	Revenue
18	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	120,669.29	17,013.34	0.00	137,682.63	8,956.65	803.05	0.00	9,759.70
20	120,669.29	17,013.34	0.00	137,682.63	8,956.65	803.05	0.00	9,759.70

Line	Shawville Return	Depreciation	Reconciliation Amount	Revenue	Total	Incentive Charged	Revenue Credit	
18	Return	Depreciation	Reconciliation Amount	Revenue	Total	Incentive Charged	Revenue Credit	$8,950,041.74
19	131,674.80	26,946.33	0.00	158,621.13	220,988,882.83		220,988,882.83	**Ax A Line 148**
20	131,674.80	26,946.33	0.00	158,621.13	229,938,924.57	229,938,924.57		

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

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 12/31/2015

	t=N	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
	Long Term Debt (12/31/2015	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 Ratios	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (h) * (i)	
	First Mortgage Bonds:											
(1)	3.85%, Senior Unsecured Notes	12/11/2014	6/1/2025	$ 550.000.000	$ 545.247.429	$ 545.716.307	12	$545.716.306.92	96.70%	3.95%	3.82%	
(2)	3.76%, Senior Unsecured Notes	10/16/2015	5/30/2025	$ 75.000.000	$ 74.437.766	$ 74.449.939	3	$ 18.612.484.77	3.298%	3.85%	0.13%	
	Total			$ 625,000,000		$ 620,166,246		$ 564,328,792	100.000%		3.95%	**

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 (averge of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (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 (7.03%).

** 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 12/31/2015

			(aa)	(bb)	(cc)	(dd)	14	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)
	Long Term Debt Is	Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance		Issuance Expense	Loss/Gain on Reacquired Debt	Less Related ADIT (Attachment 1)	Net Proceeds	Net Proceeds Ratio	Coupon Rate	Annual Interest	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1)	3.85%. Senior Unsecure	No	12/11/2014	6/1/2025	$ 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	5/30/2025	75.000.000			562.234			$ 74.437.766	99.2504	0.0376	$ 2.820.000	3.85%
														-	
	TOTALS				$ 625.000.000	(418.000)		$ 4.896.805	-	xxx	$ 619.685.195			$ 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 t=0 Cashflow C_o equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ($C_{t=1}$, $C_{t=2}$, 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**

Internal Rate of Return[1] **4.886348%**

Based on following Financial Formula[2]**:**

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint ($275,000)

	2008	2008	2008	2008	2009	2010	2011	2012	2013	2014	2015
LIBOR Rate	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Spread	.	.	.	.	.	.	.	.	.	.	.
Interest Rate	6.13%	3.86%	4.05%	4.34%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%
Bond $450M Interest Rate	$ 450,000,000					4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	$ 350,000,000	Draw 1	DONE			3.249%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 2, 3, 4	DONE			3.247%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 5	DONE			3.251%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 6	DONE - Roll over Draw 1 and 4			3.316%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 7	DONE			3.361%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 8	DONE - Roll over Draw 2, 3 and 5			3.422%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 9	DONE			3.417%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 10	DONE			3.348%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 11	DONE - Roll over Draw 6 and 9			3.498%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 12	DONE - Roll over Draw 10			3.418%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 13	DONE - Roll over Draw 7 and 8			3.398%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 14	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 15	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 16	DONE - Roll over Draw 11			3.289%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 17	DONE			3.248%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 17A	DONE - Roll over Draw 12, 14 and 15			3.286%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 18	DONE - Roll over Draw 13 and 17			3.286%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 19	DONE				3.283%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 20	DONE - Roll over Draw 16				3.304%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 21	DONE - Roll over Draw 17A and 19				3.312%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 22	DONE - Roll over Draw 18				3.312%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 23	DONE				3.222%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 24	DONE Roll over Draw 20				3.213%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 25	DONE Roll over Draw 21, 22 and 23				3.174%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 26	DONE Roll over Draw 25				3.169%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 27	DONE - Pay off Draw 26				3.196%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 28	DONE				1.936%	6.21%			

				GL '224100		GL '820204	GL '181100/654106	GL '820202			
(A)	(B)	(C)	(D)	(E)		(F)	(G)	(H)	(I)		
Year		**Capital Expenditures**	**Principle Drawn In Quarter ($000's)**	**Principle Drawn To Date**	**Outstanding Debt Balance**	**Interest Expense**	**Origination Fees**	**Commitment**	**Net Cash Flows (D-F-G-H)**	**Interest at effective rate**	**Amortization of origination fees and commitment fees**
2008											
12/24/2007	Q4	68,183,000	10,000,000	10,000,000	10,000,000		734,955.02		9,265,045	-	-
01/31/2008	Q1			10,000,000	9,265,045		31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	9,280,164		69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	9,215,438		137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	9,217,710		2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	9,242,502		125,384.16		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	9,123,160	155,047.57			(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	8,990,797		17,011.00		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	8,982,016		197,269.56		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	8,820,035		109,824.88		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	8,732,141	97,477.43			(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	8,674,702		43,098.82		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	8,635,005		13,267.50		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	8,626,253		1,577.79		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	8,668,760		62,776.98		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	8,611,650	59,689.48	7,780,953.85		47,159,357	2,251	(57,438)
8/20/2008	Q3			65,000,000	55,773,258		530.00		(530)	36,461	36,461
8/25/2008	Q3			65,000,000	55,809,189		15,125.00		(15,125)	36,485	36,485
9/3/2008	Q3			65,000,000	55,830,549		82,654.66		(82,655)	65,714	65,714
9/8/2008	Q3			65,000,000	55,813,609		1,957.50		(1,958)	36,487	36,487
9/11/2008	Q3			65,000,000	55,848,138		41,845.84		(41,846)	21,903	21,903
9/15/2008	Q3		(20,000,000)	45,000,000	55,828,196	243,199.31			(20,243,199)	29,196	(214,004)
9/25/2008	Q3			45,000,000	35,614,192		7,525.25		(7,525)	46,580	46,580
9/29/2008	Q3			45,000,000	35,653,247		98,058.08		(98,058)	18,645	18,645
9/30/2008	Q3	24,995,000		45,000,000	35,573,834		18,136.90	235,520.83	(253,658)	4,650	4,650
10/2/2008	Q4		20,000,000	65,000,000	35,324,826			78,506.96	19,921,493	9,235	9,235
10/17/2008	Q4			65,000,000	55,255,554		2,030.03		(2,030)	108,439	108,439
10/29/2008	Q4			65,000,000	55,361,963		266.90		(267)	86,901	86,901
11/19/2008	Q4			65,000,000	55,448,597		96,048.71		(96,049)	152,404	152,404
11/21/2008	Q4			65,000,000	55,504,952		730.00		(730)	14,511	14,511

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**

Internal Rate of Return[1]	**4.886348%**
Based on following Financial Formula[2]**:**	

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint ($275,000)

	12/15/2008	Q4		25,000,000	90,000,000	55,518,734	718,999.31			24,281,001	174,431	(544,569)
(1)	1/6/2009	Q1	42,068,000	-	90,000,000	79,974,165	-		618,333.53	(618,334)	230,297	230,297
	2/17/2009	Q1		30,000,000	120,000,000	79,586,128	-		-	30,000,000	438,097	438,097
	3/16/2009	Q1	75,475,000	40,000,000	160,000,000	110,024,225	933,987.50			39,066,013	388,964	(545,023)
	3/25/2009	Q1		-	160,000,000	149,479,202			1,100,000.00	(1,100,000)	175,942	175,942
	4/8/2009	Q2		-	160,000,000	148,555,144			549,166.67	(549,167)	272,085	272,085
	5/15/2009	Q2		50,000,000	210,000,000	148,278,062				50,000,000	718,820	718,820
	6/16/2009	Q2		40,000,000	250,000,000	198,996,882	1,405,039.11			38,594,961	834,057	(570,982)
	6/30/2009	Q2		-	250,000,000	238,425,899				-	436,686	436,686
	7/31/2009	Q3		-	250,000,000	238,862,586			453,194.44	(453,194)	969,797	969,797
	8/3/2009	Q3		30,000,000	280,000,000	239,379,188				30,000,000	93,882	93,882
	9/4/2009	Q3		50,000,000	330,000,000	269,473,071				50,000,000	1,129,444	1,129,444
	9/16/2009	Q3		-	330,000,000	320,602,515	1,596,826.11			(1,596,826)	503,245	(1,093,581)
	10/5/2009	Q4		45,000,000	375,000,000	319,508,934	207,916.06			44,792,084	794,450	586,534
	10/16/2009	Q4			375,000,000	365,095,468			321,250.00	(321,250)	525,294	525,294
	11/5/2009	Q4		30,000,000	405,000,000	365,299,512	-			30,000,000	956,176	956,176
	12/4/2009	Q4		50,000,000	455,000,000	396,255,688				50,000,000	1,504,831	1,504,831
	12/16/2009	Q4	73,715,000	-	455,000,000	447,760,519	1,374,479.16			(1,374,479)	702,843	(671,636)
	1/4/2010	Q1			455,000,000	447,088,883			138,489.58	(138,490)	1,111,675	1,111,675
	1/5/2010	Q1		30,000,000	485,000,000	448,062,068	892,331.11			29,107,669	58,568	(833,764)
	1/15/2010	Q1		-	485,000,000	477,228,304	440,625.00			(440,625)	624,167	183,542
	1/25/2010	Q1		(485,000,000)	-	477,411,847	423,000.00		18,489.58	(485,441,490)	624,407	201,407
	1/25/2010	Q1		450,000,000	450,000,000	(7,405,236)		4,533,000.00		445,467,000	-	-
	1/25/2010	Q1		45,000,000	495,000,000	438,061,764		5,852,578.67		39,147,421	-	-
	1/27/2010	Q1			495,000,000	477,209,186		6,979.59		(6,980)	124,763	124,763
	2/3/2010	Q1			495,000,000	477,326,969		58,000.00		(58,000)	436,922	436,922
	2/3/2010	Q1			495,000,000	477,705,891		5,500.00		(5,500)	-	-
	2/5/2010	Q1			495,000,000	477,700,391		82,116.73	2,934.74	(85,051)	124,892	124,892
	2/12/2010	Q1		20,000,000	515,000,000	477,740,231				20,000,000	437,300	437,300
	2/24/2010	Q1			515,000,000	498,177,531		23,770.00		(23,770)	781,982	781,982
	3/10/2010	Q1		30,000,000	545,000,000	498,935,743		90,000.00		29,910,000	913,821	913,821
	3/17/2010	Q1		-	545,000,000	529,759,564		195,720.20		(195,720)	484,916	484,916
	3/26/2010	Q1		20,000,000	565,000,000	530,048,759		17,821.04		19,982,179	623,885	623,885
	4/1/2010	Q2			565,000,000	550,654,823			255,416.67	(255,417)	432,008	432,008
	4/5/2010	Q2			565,000,000	550,831,415		123,660.90		(123,661)	288,060	288,060
	4/7/2010	Q2			565,000,000	550,995,814		201,250.00		(201,250)	144,054	144,054
	4/8/2010	Q2			565,000,000	550,938,618		224,587.75		(224,588)	72,015	72,015
	4/12/2010	Q1		30,000,000	595,000,000	550,786,045				30,000,000	288,036	288,036
	4/14/2010	Q2			595,000,000	581,074,082		194,134.74		(194,135)	151,918	151,918
	4/21/2010	Q2			595,000,000	581,031,865		18,977.41		(18,977)	531,848	531,848
	4/26/2010	Q2		(65,000,000)	530,000,000	581,544,735	369,573.75			(65,369,574)	380,177	10,603
	4/26/2010	Q2		65,000,000	595,000,000	516,555,339	55,920.56			64,944,079	-	(55,921)
	4/28/2010	Q2			595,000,000	581,499,418	-	2,300.79		(2,301)	152,029	152,029
	4/30/2010	Q2			595,000,000	581,649,147		2,156.70		(2,157)	152,068	152,068
	5/7/2010	Q2		30,000,000	625,000,000	581,799,058				30,000,000	532,550	532,550
	5/12/2010	Q2		(80,000,000)	545,000,000	612,331,608				(80,000,000)	400,304	400,304
	5/12/2010	Q2		80,000,000	625,000,000	532,731,912	160,694.44			79,839,306	-	(160,694)
	5/12/2010	Q2			625,000,000	612,571,218	81,275.00			(81,275)	-	(81,275)
	5/12/2010	Q2			625,000,000	612,489,943	170,100.00			(170,100)	-	(170,100)
	5/20/2010	Q2			625,000,000	612,319,843		182,500.00		(182,500)	640,599	640,599
	5/26/2010	Q2		20,000,000	645,000,000	612,777,942				20,000,000	480,746	480,746
	6/14/2010	Q2			645,000,000	633,258,687		150,071.58		(150,072)	1,574,581	1,574,581
	7/1/2010	Q3			645,000,000	634,683,197			230,764	(230,764)	1,411,820	1,411,820
	7/2/2010	Q3			645,000,000	635,864,253		1,168.50	-	(1,169)	83,116	83,116
	7/7/2010	Q3		35,000,000	680,000,000	635,946,200				35,000,000	415,741	415,741
	7/15/2010	Q3			680,000,000	671,361,942	8,500,000.00			(8,500,000)	702,368	(7,797,632)
	7/26/2010	Q3		(65,000,000)	615,000,000	663,564,309				(65,000,000)	954,726	954,726
	7/26/2010	Q3		(20,000,000)	595,000,000	599,519,036				(20,000,000)	-	-
	7/26/2010	Q3		115,000,000	710,000,000	579,519,036				115,000,000	-	-
	7/26/2010	Q3			710,000,000	694,519,036	115,798.33			(115,798)	-	(115,798)
	7/26/2010	Q2			710,000,000	694,403,237	544,837.22		-	(544,837)	-	(544,837)
	8/9/2010	Q3		(35,000,000)	675,000,000	693,858,400	107,415.00			(35,107,415)	1,270,829	1,163,414
	8/9/2010	Q3		35,000,000	710,000,000	660,021,814	-			35,000,000	-	-
	8/12/2010	Q3		(30,000,000)	680,000,000	695,021,814	271,680.83			(30,271,681)	272,581	900
	8/12/2010	Q3		(80,000,000)	600,000,000	665,022,714	699,608.89			(80,699,609)	-	(699,609)
	8/12/2010	Q3		110,000,000	710,000,000	584,323,106	-			110,000,000	-	-
	8/30/2010	Q3			710,000,000	694,323,106	-	407,816.09		(407,816)	1,635,445	1,635,445
	9/7/2010	Q3		30,000,000	740,000,000	695,550,735	-			30,000,000	727,674	727,674
	9/26/2010	Q3		-	740,000,000	726,278,408	-			-	1,805,872	1,805,872
	10/1/2010	Q4			740,000,000	728,084,280			**162,778**	(162,778)	475,975	475,975
	10/8/2010	Q4		30,000,000	770,000,000	728,397,478	-			30,000,000	666,739	666,739
	10/26/2010	Q4		(115,000,000)	655,000,000	759,064,217	1,028,023.33			(116,028,023)	1,787,940	759,916
	10/26/2010	Q4		115,000,000	770,000,000	644,824,133	-			115,000,000	-	-
	11/5/2010	Q4		30,000,000	800,000,000	759,824,133	-			30,000,000	993,774	993,774
	11/9/2010	Q4		(35,000,000)	765,000,000	790,817,908	305,721.11			(35,305,721)	413,562	107,841
	11/9/2010	Q4		(30,000,000)	735,000,000	755,925,749	171,937.50			(30,171,938)	-	(171,938)
	11/9/2010	Q4		(30,000,000)	705,000,000	725,753,811	86,853.33			(30,086,853)	-	(86,853)
	11/9/2010	Q4		95,000,000	800,000,000	695,666,958				95,000,000	-	-
	11/12/2010	Q4		(110,000,000)	690,000,000	790,666,958	955,215.56			(110,955,216)	310,092	(645,123)
	11/12/2010	Q4		(30,000,000)	660,000,000	680,021,835	18,946.67			(30,018,947)	-	(18,947)
	11/12/2010	Q4		140,000,000	800,000,000	650,002,888	5.83			139,999,994	-	(6)
	12/6/2010	Q4		20,000,000	820,000,000	790,002,882				20,000,000	2,482,059	2,482,059
	12/23/2010	Q4			820,000,000	812,484,941		8,281.46		(8,281)	1,807,331	1,807,331
	1/3/2011	Q1			820,000,000	814,283,991			140,277.78	(140,278)	1,171,579	1,171,579
	1/18/2011	Q1		-	820,000,000	815,315,292	9,000,000			(9,000,000)	1,600,050	(7,399,950)
	1/26/2011	Q1		(115,000,000)	705,000,000	807,915,342	966,600.56			(115,966,601)	845,228	(121,373)
	1/26/2011	Q1		115,000,000	820,000,000	692,793,969				115,000,000	-	-
	2/9/2011	Q1		(20,000,000)	800,000,000	807,793,969	118,552.78			(20,118,553)	1,479,507	1,360,954

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**

Internal Rate of Return[1] **4.886348%**

Based on following Financial Formula[2]:

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		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	4,659,577
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			171,736.11	(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			290,416.67	(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			(9,000,000)	7,874,847	(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 2016 Rate Year

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company

Formula Rate -- Appendix A

Shaded cells are input cells

Line	Description	Notes	FERC Form 1 Page # or Instruction	TrAILCo 2016 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	1,758,715,406
7	Total Plant In Service		(Line 6)	1,758,715,406
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	146,965,695
9	Total Accumulated Depreciation		(Line 8)	146,965,695
10	Net Plant		(Line 7 - Line 9)	1,611,749,711
11	Transmission Gross Plant		(Line 15 + Line 21)	1,758,715,406
12	**Gross Plant Allocator**		(Line 11 / Line 7, if Line 7=0, enter 100%)	**100.0000%**
13	Transmission Net Plant		(Line 11 - Line 29)	1,611,749,711
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	1,687,396,580
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B)	Attachment 6	121,700,760
17	**Total Transmission Plant**		(Line 15 + Line 16)	**1,809,097,340**
18	General & Intangible		Attachment 5	71,318,826
19	Total General & Intangible		(Line 18)	71,318,826
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	**Transmission Related General and Intangible Plant**		(Line 19 * Line 20)	**71,318,826**
22	**Transmission Related Plant**		**(Line 17 + Line 21)**	**1,880,416,166**
	Accumulated Depreciation			
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	132,411,556
24	Accumulated General Depreciation		Attachment 5	6,723,810
25	Accumulated Intangible Amortization		Attachment 5	7,830,329
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	14,554,139
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	**Transmission Related General & Intangible Accumulated Depreciation**		(Line 26 * Line 27)	**14,554,139**
29	**Total Transmission Related Accumulated Depreciation**		**(Line 23 + Line 28)**	**146,965,695**
30	**Total Transmission Related Net Property, Plant & Equipment**		**(Line 22 - Line 29)**	**1,733,450,472**

Adjustment To Rate Base

Line	Description	Note	Source	Amount
	Accumulated Deferred Income Taxes			
31	ADIT net of FASB 106 and 109 — Enter Negative		Attachment 1	-253,169,729
32	**Transmission Related Accumulated Deferred Income Taxes**		(Line 31)	**-253,169,729**
33	**Transmission Related CWIP (Current Year 13 Month weighted average balances)**	(Note B)	p216.b.43 as shown on Attachment 6	**365,790**
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	**729,257**
	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)	2,919,840
43	1/8th Rule		1/8	12.5%
44	**Transmission Related Cash Working Capital**		(Line 42 * Line 43)	**364,980**
45	**Total Adjustment to Rate Base**		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	**-251,709,703**
46	**Rate Base**		(Line 30 + Line 45)	**1,481,740,769**

O&M

Line	Description	Note	Source	Amount
	Transmission O&M			
47	Transmission O&M		p321.112.b	6,348,640
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	1,275,313
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)	**5,073,327**
	A&G Expenses			
53	Total A&G		p323.197.b	-3,428,795
54	Less Property Insurance Account 924		p323.185.b	75,102
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	0
56	Less General Advertising Exp Account 930.1		p323.191.b	5
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)	-3,503,902
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	**Transmission Related A&G Expenses**		(Line 59 * Line 60)	**-3,503,902**
	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	75,102
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	75,102
68	Net Plant Allocator		(Line 14)	100.0000%
69	**A&G Directly Assigned to Transmission**		(Line 67 * Line 68)	**75,102**
	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	1,275,313
73	Total Account 566		Sum (Lines 70 to 72)	**1,275,313**
74	**Total Transmission O&M**		**(Lines 52 + 61 + 64 + 69 + 73)**	**2,919,840**

	Depreciation & Amortization Expense			
	Depreciation Expense			
75	Transmission Depreciation Expense		Attachment 5	32,668,650
76	General Depreciation		Attachment 5	1,458,006
77	Intangible Amortization	(Note A)	Attachment 5	1,491,899
78	Total		(Line 76 + Line 77)	2,949,905
79	Wage & Salary Allocator		(Line 5)	100.0000%
80	**Transmission Related General Depreciation and Intangible Amortization**		(Line 78 * Line 79)	**2,949,905**
81	**Total Transmission Depreciation & Amortization**		**(Lines 75 + 80)**	**35,618,556**
	Taxes Other than Income			
82	**Transmission Related Taxes Other than Income**		Attachment 2	**11,184,996**
83	**Total Taxes Other than Income**		**(Line 82)**	**11,184,996**
	Return / Capitalization Calculations			
84	**Preferred Dividends**	enter positive	p118.29.c	0
	Common Stock			
85	Proprietary Capital		p112.16.c	931,728,042
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)	931,728,042
	Capitalization			
90	Long Term Debt	(Note N)		624,624,121
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)	624,624,121
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	931,728,042
97	**Total Capitalization**		(Sum Lines 94 to 96)	1,556,352,163
98	Debt % — Total Long Term Debt	(Note N)	(Line 94 /Line 97)	40.1339%
99	Preferred % — Preferred Stock	(Note N)	(Line 95 /Line 97)	0.0000%
100	Common % — Common Stock	(Note N)	(Line 96 /Line 97)	59.8661%
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)	0.0158
105	Weighted Cost of Preferred — Preferred Stock		(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common — Common Stock		(Line 100 * Line 103)	0.0700
107	**Rate of Return on Rate Base (ROR)**		(Sum Lines 104 to 106)	**0.0859**
108	**Investment Return = Rate Base * Rate of Return**		**(Line 46 * Line 107)**	**127,216,526**

Composite Income Taxes

	Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)		35.00%
110	SIT=State Income Tax Rate or Composite			7.70%
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)} =		40.00%
113	T/ (1-T)			66.67%
114	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	[Line 113 * Line 108 * (1- (Line 104 / Line 107))]	**69,195,997**
115	**Total Income Taxes**		**(Line 114)**	**69,195,997**

REVENUE REQUIREMENT

	Summary			
116	Net Property, Plant & Equipment		(Line 30)	1,733,450,472
117	Total Adjustment to Rate Base		(Line 45)	-251,709,703
118	**Rate Base**		(Line 46)	**1,481,740,769**
119	Total Transmission O&M		(Line 74)	2,919,840
120	Total Transmission Depreciation & Amortization		(Line 81)	35,618,556
121	Taxes Other than Income		(Line 83)	11,184,996
122	Investment Return		(Line 108)	127,216,526
123	Income Taxes		(Line 115)	69,195,997
124	**Gross Revenue Requirement**		**(Sum Lines 119 to 123)**	**246,135,914**
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service		(Line 22)	1,880,416,166
126	Excluded Transmission Facilities	(Note L)	Attachment 5	0
127	Included Transmission Facilities		(Line 125 - Line 126)	1,880,416,166
128	Inclusion Ratio		(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement		(Line 124)	246,135,914
130	**Adjusted Gross Revenue Requirement**		(Line 128 * Line 129)	**246,135,914**
	Revenue Credits			
131	**Revenue Credits**		Attachment 3	2,080,901
132	**Net Revenue Requirement**		**(Line 130 - Line 131)**	**244,055,013**
	Net Plant Carrying Charge			
133	Net Revenue Requirement		(Line 132)	**244,055,013**
134	Net Transmission Plant + CWIP		(Line 17 - Line 23 + Line 33)	**1,677,051,575**
135	FCR		(Line 133 / Line 134)	**14.5526%**
136	FCR without Depreciation		(Line 133 - Line 75) / Line 134	**12.6046%**
137	FCR without Depreciation and Pre-Commercial Costs		(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	**12.6046%**
138	FCR without Depreciation, Return, nor Income Taxes		(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	**0.8929%**
	Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes		(Line 132 - Line 122 - Line 123)	**47,642,491**
140	Increased Return and Taxes		Attachment 4	**211,197,321**
141	Net Revenue Requirement with Incentive ROE		(Line 139 + Line 140)	**258,839,812**
142	Net Transmission Plant + CWIP		(Line 17 - Line 23+ Line 33)	**1,677,051,575**
143	FCR with Incentive ROE		(Line 141 / Line 142)	**15.4342%**
144	FCR with Incentive ROE without Depreciation		(Line 141 - Line 75) / Line 142	**13.4862%**
145	FCR with Incentive ROE without Depreciation and Pre-Commercial		(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	**13.4862%**
146	**Net Revenue Requirement**		(Line 132)	**244,055,013.26**
147	Reconciliation amount		Attachment 6	**2,396,913.36**
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones		Attachment 7	**8,881,314.62**
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)	**255,333,241.24**
	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%*260+60%*(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**	
		Beg of Year Total	***End of Year Total***	**End of Year Est. for Final *Total***	**Retail Related**	**Only Transmission Related**	**Plant Related**	**Labor Related**	**Total ADIT**	
1	**ADIT- 282 From Account Total Below**	428,644,382	490,536,784	490,536,784	[redacted]	490,536,784	-	-	490,536,784	
2	**ADIT-283 From Account Total Below**	39,662,909	98,550,204	98,550,204		97,315,068	-	-	97,315,068	
3	**ADIT-190 From Account Total Below**	(256,320,086)	(335,972,025)	(335,972,025)		(334,682,123)	-	-	(334,682,123)	Enter Negative
4	**Subtotal**					253,169,729	-	-	253,169,729	
5	**Wages & Salary Allocator**							100.0000%		
6	**Gross Plant Allocator**						100.0000%			
7	**ADIT**					253,169,729	-	-	253,169,729	

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	8,371	10,755	10,755			10,755			Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
FASB 109 Gross-Up	-	(463,554)	(463,554)			(463,554)			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	226,747,954	225,521,300	225,521,300			225,521,300			Result of bonus depreciation
A&G Expenses-VA Norm	-	13,303	13,303			13,303			Accounting change relating to A&G expense
A&G Expenses-WV Norm	-	22,984	22,984			22,984			Accounting change relating to A&G expense
Merger Costs D&O Insurance	1,871	1,634	1,634		1,634				Long term disability accrual
Merger Costs Licenses	85,383	75,392	75,392		75,392				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	5,009,642	5,213,131	5,213,131			5,213,131			Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Asset PA	567,331	-	-			-			Result of bonus depreciation
NOL Deferred Tax Asset WV	17,735,335	-	-			-			Result of bonus depreciation
Pension/OPEB: Other Def Cr. Or Dr.	2,203,787	2,154,419	2,154,419			2,154,419			Result of bonus depreciation
Accelerated Tax Depr-MD Norm	-	140,229	140,229			140,229			Additional tax deprecation over book
Accelerated Tax Depr-VA Norm	-	868,154	868,154			868,154			Additional tax deprecation over book
Purch Acct-LTD FMV	1,240,669	1,212,876	1,212,876		1,212,876				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/AYE merger (Offset is PAA - LT Regulatory Asset Amort below in 283)
State Income Tax Deductible	2,190,351	2,621,595	2,621,595			2,621,595			Temporary difference resulting from purchase accounting transactions
Unamortized Discount	529,392	414,056	414,056			414,056			Deductions related to state income taxes
Accelerated Tax Depr-WV Norm	-	3,859,919	3,859,919			3,859,919			Additional tax deprecation over book
AFUDC Debt-MD Norm	-	25,607	25,607			25,607			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC Debt-WV Norm	-	18,000	18,000			18,000			Portion of AFUDC Debt that relates to property and booked to account 190
AFUDC Equity/FAS 43-Fed-FT-Reversal-CWIP	-	3,859,115	3,859,115			3,859,115			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC Equity/FAS 43-MD-FT-Reversal-CWIP	-	35,785	35,785			35,785			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC Equity/FAS 43-PA-FT-Reversal-CWIP	-	115,983	115,983			115,983			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC Equity/FAS 43-VA-FT-Reversal-CWIP	-	39,417	39,417			39,417			Portion of AFUDC Equity that relates to property and booked to account 190
AFUDC Equity/FAS 43-WV-FT-Reversal-CWIP	-	302,990	302,990			302,990			Portion of AFUDC Equity that relates to property and booked to account 190
AMT Carryforward	-	42,492	42,492			42,492			Paid AMT tax which generates a credit
Cap Vertical Tree Trimming-VA-Norm	-	312	312			312			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cap Vertical Tree Trimming-WV-Norm	-	190	190			190			Temporary difference that is capitalized for book purposes but deductible for tax purposes
CIAC Fed-Norm-Reversal-CWIP	-	4,679,258	4,679,258			4,679,258			Taxable CIAC
CIAC MD-Norm-Reversal-CWIP	-	54,464	54,464			54,464			Taxable CIAC
CIAC PA-Norm-Reversal-CWIP	-	81,387	81,387			81,387			Taxable CIAC
CIAC-VA-Norm	-	6,939	6,939			6,939			Taxable CIAC
CIAC VA-Norm-Reversal-CWIP	-	47,220	47,220			47,220			Taxable CIAC
CIAC-WV-Norm	-	19,971	19,971			19,971			Taxable CIAC
CIAC WV-Norm-Reversal-CWIP	-	362,967	362,967			362,967			Taxable CIAC
Cost of Removal-VA-Norm	-	1,265	1,265			1,265			Temporary difference arising for removal of plant/property
NOL Deferred Tax Asset - LT WV	-	17,735,335	17,735,335			17,735,335			Result of bonus depreciation
Other Basis Differences-VA-Norm	-	17,750	17,750			17,750			Other property related temporary differences
Tax Interest Capitalized-Fed-Norm	-	27,961,991	27,961,991			27,961,991			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	-	30,265,433	30,265,433			30,265,433			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	-	405,260	405,260			405,260			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	-	280,697	280,697			280,697			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	-	761,090	761,090			761,090			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	-	909,770	909,770			909,770			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	-	491,269	491,269			491,269			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	-	309,188	309,188			309,188			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	-	2,555,859	2,555,859			2,555,859			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	-	2,376,649	2,376,649			2,376,649			Actual amount of tax interest capitalized
Tax UoP Repair Exp-MD-Norm	-	40,067	40,067			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	38,558			38,558			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	256,320,086	335,508,471	335,508,471	-	1,289,902	334,218,569	-	-	
Less FASB 109 included above	-	(463,554)	(463,554)	-	-	(463,554)	-	-	
Less FASB 106 included above									
Total	256,320,086	335,972,025	335,972,025	-	1,289,902	334,682,123	-	-	

Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. 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	
	Trans-Allegheny Interstate Company								
ADIT- 282	**Beg of Year Balance p274.9.b**	**End of Year Balance p275.9.k**	**End of Year Est. for Final Total**	**Retail Related**	**Gas, Prod Or Other Related Related**	**Only Transmission Related Related**	**Plant Related Related**	**Labor Related Related**	**JUSTIFICATION**
Property Related - ABFUDC	2,575,691	-	-			-			Allowance for borrowed funds used during construction (ABFUDC)
Accelerated Tax Depreciation	490,609,438	463,296,662	463,296,662			463,296,662			Additional tax deprecation over book
Property Related - Tax Depreciation	-	-	-			-			Tax depreciation
FASB 109 Fixed Asset Adjustment	-	-	-			-			Increase in AOFDC
FASB 109 Gross-Up	21,418,854	3,540,272	3,540,272			3,540,272			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	(588,777)	-	-			-			System adjustment to reclass balances to correct FERC accounts
A&G Expenses Capitalized	2,314,345	3,539,760	3,539,760			3,539,760			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	3,337,031	-	-			-			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	2,926,723			2,926,723			Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	-	42,297,527	42,297,527			42,297,527			Temporary difference for additional state depreciation allowed for WV tax return
Additional State Depreciation MD	-	1,663,916	1,663,916			1,663,916			Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	-	6,837,309	6,837,309			6,837,309			Temporary difference for additional state depreciation allowed for PA tax return
AFUDC Equity Flow Through	5,618,518	-	-			-			Portion of AFUDC Equity that relates to property and booked to account 282
AFUDC Debt	-	3,408,893	3,408,893			3,408,893			Portion of AFUDC Debt that relates to property and booked to account 282
Cost of Removal	(2,704,317)	(2,654,486)	(2,654,486)			(2,654,486)			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	22,838	37,702	37,702			37,702			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)	(50,657)			(50,657)			Sale of book gains and losses
Vegetation Management - Transmission	-	(27,318)	(27,318)			(27,318)			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Other Basis Differences	(72,540,385)	(33,786,439)	(33,786,439)			(33,786,439)			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	3,047,192			3,047,192			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Subtotal	450,063,236	494,077,056	494,077,056	-	-	494,077,056	-	-	
Less FASB 109 included above	21,418,854	3,540,272	3,540,272	-	-	3,540,272	-	-	
Less FASB 106 included above	-	-	-			-			
Total	428,644,382	490,536,784	490,536,784	-	-	490,536,784	-	-	

Instructions for Account 282:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. 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	
	Trans-Allegheny Interstate Company								
ADIT-283	Beg of Year Balance p276.19.b	End of Year Balance p277.19.k	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Accrued Taxes: Property Taxes	3,352,114	3,286,127	3,286,127			3,286,127			West Virginia property tax payment
FASB 109 Gross-Up	-	4,113,392	4,113,392			4,113,392			
A&G Expenses-MD-Norm	-	-	-			-			Accounting change relating to A&G expense
A&G Expenses-PA-Norm	-	-	-			-			Accounting change relating to A&G expense
A&G Expenses-VA-Norm	-	13,303	13,303			13,303			Accounting change relating to A&G expense
A&G Expenses-WV-Norm	-	22,984	22,984			22,984			Accounting change relating to A&G expense
Deferred Charge EIB	6,775	8,386	8,386			8,386			Allocated portion of total liabilities relating to captive insurance
Deferred Revenue - Pole Attachment	243	-	-			-			Deferred revenues associated with attachments to FirstEnergy poles
Accelerated Tax Depr-PA-Norm	-	-	-			-			Additional tax deprecation over book
Accelerated Tax Depr-MD-Norm	-	140,228	140,228			140,228			Additional tax deprecation over book
Accelerated Tax Depr-VA-Norm	-	868,155	868,155			868,155			Additional tax deprecation over book
Accelerated Tax Depr-WV-Norm	-	3,859,917	3,859,917			3,859,917			Additional tax deprecation over book
AFUDC Debt-MD-Norm	-	25,607	25,607			25,607			Portion of AFUDC Debt that relates to property and booked to account 189
AFUDC Debt-WV-Norm	-	18,000	18,000			18,000			Portion of AFUDC Debt that relates to property and booked to account 191
AFUDC Equity/FAS43-Fed-FT	-	-	-			-			
PAA - 221 Debt Amort	22,771	22,261	22,261		22,261				Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FE/AYE merger
PAA - LT Regulatory Asset Amort	1,240,668	1,212,875	1,212,875		1,212,875				Reflects the adjustments and subsequent amortization of adjusted regulatory asset balances associated with the FE/AYE merger
PJM Receivable	34,655,162	41,980,806	41,980,806			41,980,806			Comparison of actual to forecast revenues - non-property related
Reserve for EIB	-	-	-			-			Adjustment for reserve for EIB in Goodwill carried over to current year
SC01 Timing Allocation	385,176	376,548	376,548			376,548			Timing differences related to service company allocations
AFUDC Equity/FAS43-Fed-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-MD-FT	-	-	-			-			
AFUDC Equity/FAS43-MD-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-PA-FT	-	-	-			-			
AFUDC Equity/FAS43-PA-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-VA-FT	-	-	-			-			
AFUDC Equity/FAS43-VA-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS43-WV-FT	-	-	-			-			
AFUDC Equity/FAS43-WV-FT-Incurred-CWIP	-	-	-			-			
AFUDC Equity/FAS 43-Fed-FT-Reversal-CWIP	-	3,859,115	3,859,115			3,859,115			Portion of AFUDC Equity that relates to property and booked to account 283
AFUDC Equity/FAS 43-MD-FT-Reversal-CWIP	-	35,785	35,785			35,785			Portion of AFUDC Equity that relates to property and booked to account 284
AFUDC Equity/FAS 43-PA-FT-Reversal-CWIP	-	115,983	115,983			115,983			Portion of AFUDC Equity that relates to property and booked to account 285
AFUDC Equity/FAS 43-VA-FT-Reversal-CWIP	-	39,417	39,417			39,417			Portion of AFUDC Equity that relates to property and booked to account 286
AFUDC Equity/FAS 43-WV-FT-Reversal-CWIP	-	302,990	302,990			302,990			Portion of AFUDC Equity that relates to property and booked to account 287
Cap Vertical Tree Trimming-VA-Norm	-	312	312			312			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cap Vertical Tree Trimming-WV-Norm	-	190	190			190			Temporary difference that is capitalized for book purposes but deductible for tax purposes
CIAC-Fed-Norm	-	5,172,848	5,172,848			5,172,848			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	-	2,894,583	2,894,583			2,894,583			Taxable CIAC
CIAC-MD-Norm	-	47,976	47,976			47,976			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	-	26,846	26,846			26,846			Taxable CIAC
CIAC-PA-Norm	-	155,494	155,494			155,494			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	-	87,010	87,010			87,010			Taxable CIAC
CIAC-VA-Norm	-	90,395	90,395			90,395			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIP	-	29,571	29,571			29,571			Taxable CIAC
CIAC-WV-Norm	-	426,178	426,178			426,178			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	-	227,302	227,302			227,302			Taxable CIAC
Cost of Removal-MD-Norm	-	-	-			-			Temporary difference arising for removal of plant/property
Cost of Removal-VA-Norm	-	1,265	1,265			1,265			Temporary difference arising for removal of plant/property
Cost of Removal-WV-Norm	-	-	-			-			Temporary difference arising for removal of plant/property
Misc Current Liability	-	237	237			237			Misc Liability
NOL Deferred Tax Asset - LT VA	-	9,673	9,673			9,673			Result of bonus depreciation
Other Basis Differences-MD-Norm	-	-	-			-			
Other Basis Differences-VA-Norm	-	17,750	17,750			17,750			Other property related temporary differences
Other Basis Differences-WV-Norm	-	-	-			-			
Tax Interest Capitalized-Fed-Norm-Reversal CWIP	-	29,181,544	29,181,544			29,181,544			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	-	-	-			-			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Reversal CWIP	-	270,645	270,645			270,645			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	-	149,109	149,109			149,109			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal CWIP	-	877,189	877,189			877,189			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	-	4	4			4			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal CWIP	-	298,115	298,115			298,115			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	-	5	5			5			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal CWIP	-	2,291,534	2,291,534			2,291,534			Actual amount of tax interest capitalized
Tax UoP Repair Exp-MD-Norm	-	40,067	40,067			40,067			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-41
Tax UoP Repair Exp-WV-Norm	-	38,557	38,557			38,557			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-42
Tax UoP Repair Exp-PA-Norm	-	-	-			-			
Tax UoP Repair Exp-VA-Norm	-	-	-			-			
Vegetation Management	-	27,318	27,318			27,318			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	39,662,909	102,663,596	102,663,596		1,235,136	101,428,460	-	-	
Less FASB 109 included above	-	4,113,392	4,113,392	-	-	4,113,392	-	-	
Less FASB 106 included above									
Total	39,662,909	98,550,204	98,550,204	-	1,235,136	97,315,068	-	-	

Instructions for Account 283:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. 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	p263.35(i)	4,204,121	100.0000%	$ 4,204,121
1.2	2014 State Property WV	p263.34(i)	4,146,727	100.0000%	4,146,727
1.3	2015 State Property PA (PURTA)	p263.22(i)	25,000	100.0000%	25,000
1.4	Prior Years' State Property PA (PURTA)	p263.23(i)	(3,771)	100.0000%	(3,771)
1.5					
1.6	2014 Local Property WV	p263.1.3(i)	13,243	100.0000%	13,243
1.7	2015 Local Property WV	p263.1.4(i)	14,871	100.0000%	14,871
1.8	2015 Local Property VA	p263.1.7(i)	1,536,559	100.0000%	1,536,559
1.9	2015 Local Property PA	p263.1.10(i)	4,731	100.0000%	4,731
2.0	2014 Local Property MD	p263.1.13(i)	610,517	100.0000%	610,517
2.1	2015 Local Property MD	p263.1.14(i)	572,827	100.0000%	572,827
2.2	2014 WV Franchise Tax	p263.32(i)	-8,880	100.0000%	-8,880
2.3	2015 Capital Stock Tax/Franchise MD	p263.9(i)	300	100.0000%	300
2.4	2014 Capital Stock Tax/Franchise PA	p263.19(i)	45,462	100.0000%	45,462
2.5	2015 Capital Stock Tax/Franchise PA	p263.20(i)	20,786	100.0000%	20,786
2.6	Gross Premium MD		0	100.0000%	0
2.7	Gross Premium PA		0	100.0000%	0
2.8	State Sales/Use Tax PA	p263.15(i)	1,332	100.0000%	1,332
2.9	State License WV		0	100.0000%	0
3.0	Federal Excise Tax	p263.3(i)	1,170	100.0000%	1,170
4.0	**Total Plant Related**		11,184,996	100.0000%	11,184,996
	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)**		11,184,996		**11,184,996** Input to Appendix A, Line 82
	Retail Related Other Taxes to be Excluded				
14	Federal Income Tax	p263.2(i)	23,466,448		
15	Corporate Net Income Tax MD	p263.7(i)	501,252		
16	Corporate Net Income Tax PA	p263.14(i)	1,265,642		
17	Corporate Net Income Tax VA	p263.27(i)	381,470		
18	Corporate Net Income Tax WV	p263.31(i)	3,036,661		
19	**Subtotal, Excluded**		28,651,473		
20	**Total, Included and Excluded (Line 13 + Line 19)**		39,836,469		
21	**Total Other Taxes from p114.14.c**		11,184,996		
22	**Difference (Line 20 - Line 21)**		28,651,473		

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

Line	Description	Reference	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		2,080,901	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)	2,080,901	
12	Less line 14g		-	
13	Total Revenue Credits	(Line 11 - Line 12)	2,080,901	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		2,080,901	

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

	Return and Taxes at High End of the range of Reasonableness				
A	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)		211,197,321	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		1,481,740,769
2	Preferred Dividends	enter positive	Appendix A, Line 84		0
	Common Stock				
3	Proprietary Capital		Appendix A, Line 85		931,728,042
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		931,728,042
	Capitalization				
8	Long Term Debt		Appendix A, Line 90		624,624,121
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		624,624,121
13	Preferred Stock		Appendix A, Line 95		0
14	Common Stock		Appendix A, Line 96		931,728,042
15	Total Capitalization		Appendix A, Line 97		1,556,352,163
16	Debt %	Total Long Term Debt	Appendix A, Line 98		40.1339%
17	Preferred %	Preferred Stock	Appendix A, Line 99		0.0000%
18	Common %	Common Stock	Appendix A, Line 100		59.8661%
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		12.70%	0.1270
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 16 * 19)		0.0158
23	Weighted Cost of Preferred	Preferred Stock	(Line 17 * 20)		0.0000
24	Weighted Cost of Common	Common Stock	(Line 18 * 21)		0.0760
25	Rate of Return on Rate Base (ROR)		(Sum Lines 22 to 24)		**0.0918**
26	Investment Return = Rate Base * Rate of Return		**(Line 1 * Line 25)**		**136,087,137**

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	7.70%
29	p = percent of federal income tax deductible for state purposes		Appendix A, Line 111	0.00%
30	T	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =	Appendix A, Line 112	40.00%
31	T/ (1-T)		Appendix A, Line 113	66.67%
32	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		75,110,184
33	**Total Income Taxes**		**(Line 32)**	**75,110,184**

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 Total**	**EOY Balance for Estimate Total**
	December	p206.58.b	For 2014	1,539,516,439	
	January	company records	For 2015	1,543,407,730	
	February	company records	For 2015	1,542,821,688	
	March	company records	For 2015	1,545,387,656	
	April	company records	For 2015	1,545,304,442	
	May	company records	For 2015	1,595,623,603	
	June	company records	For 2015	1,602,335,997	
	July	company records	For 2015	1,608,429,616	
	August	company records	For 2015	1,606,576,286	
	September	company records	For 2015	1,640,205,762	
	October	company records	For 2015	1,648,256,416	
	November	company records	For 2015	1,674,376,784	
	December	p207.58.g	For 2015	1,687,396,580	1,687,396,580
15	**Transmission Plant In Service**			**1,598,433,769**	**1,687,396,580**

	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	OsageWhiteley	**Meadowbrook Transformer**	North Shenandoah	**Bedington Transformer**	Meadowbrook Capacitor	Kammer	**Doubs #2 Trans**	**Doubs #3 Trans**	**Doubs #4 Trans**
December	46,629,901	17,965,415	1,070,838,672	2,024,007	24,759,276	8,202,934	80,682	7,723,538	6,496,239	39,629,071	5,149,271	4,686,053	5,700,307
January	46,629,901	17,965,415	1,073,367,279	2,024,007	24,672,422	8,202,934	80,682	7,723,538	6,496,239	39,626,150	5,149,271	4,686,053	5,700,307
February	46,629,901	17,965,415	1,070,823,695	2,024,007	24,579,712	8,202,934	80,682	7,723,538	6,496,239	39,626,150	5,149,271	4,686,053	5,700,307
March	46,629,901	17,965,415	1,073,169,962	2,024,007	24,579,712	8,202,934	80,682	7,723,538	6,496,239	39,626,293	5,149,271	4,686,053	5,700,307
April	46,629,901	17,965,415	1,073,230,178	2,024,007	24,579,712	8,202,934	80,682	7,723,538	6,496,239	39,626,295	5,149,271	4,686,053	5,700,307
May	46,629,901	17,965,415	1,073,235,632	2,024,007	24,579,712	8,202,934	80,682	7,723,538	6,496,239	39,626,296	5,149,271	4,686,053	5,700,307
June	46,629,901	17,965,415	1,071,982,712	2,024,007	24,579,712	8,202,934	80,682	7,723,538	6,496,239	39,626,296	5,149,271	4,686,053	5,700,307
July	46,629,901	17,965,415	1,074,212,616	2,024,007	24,554,744	8,202,934	80,682	7,723,538	6,496,239	39,632,078	5,149,271	4,686,053	5,700,307
August	46,629,901	17,965,667	1,074,238,996	2,024,007	24,534,011	8,202,934	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
September	46,629,901	17,965,667	1,074,275,658	2,024,007	24,534,011	8,202,934	80,682	7,723,538	6,496,239	39,632,053	5,149,271	4,686,053	5,700,307
October	46,629,901	17,965,667	1,074,226,667	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
November	46,629,901	17,965,667	1,074,251,556	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
December	46,629,901	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
Transmission Plant In Service	**46,629,901**	**17,965,512**	**1,073,239,612**	**2,024,007**	**24,581,158**	**8,203,807**	**80,682**	**7,723,538**	**6,496,239**	**39,629,146**	**5,149,271**	**4,686,053**	**5,700,307**

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
7,123,323	15,863,978	934,916	832,202	4,877,582	60,049,287	657,175	10,117,608	27,021,750
7,119,671	15,865,592	934,916	832,202	4,882,903	60,428,743	657,175	10,117,608	27,032,490
7,119,671	15,865,039	934,916	832,202	4,905,053	60,619,073	657,175	10,117,608	27,085,133
7,119,671	15,864,854	934,931	832,202	4,963,328	60,679,616	657,175	10,117,608	27,075,358
7,119,671	15,864,854	934,931	832,202	4,949,962	60,500,047	657,175	10,117,608	27,093,694
7,119,671	15,864,854	934,931	832,202	4,949,962	60,428,968	657,175	10,117,608	27,100,553
7,119,671	15,863,337	934,931	832,202	4,949,962	60,435,933	657,175	10,117,608	25,585,036
7,119,671	15,863,337	934,931	832,202	4,949,962	60,608,465	657,191	10,117,608	25,581,989
7,119,671	15,864,168	934,931	832,202	4,949,962	60,444,914	657,191	10,130,503	25,582,052
7,119,671	15,864,168	934,931	832,202	4,986,882	60,455,877	657,191	10,130,932	27,379,433
7,119,671	15,864,168	934,931	832,202	4,989,152	60,794,577	657,191	10,130,932	27,381,576
7,119,671	15,864,168	1,780,965	832,202	4,962,878	60,562,520	657,191	10,130,932	27,381,781
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
7,119,952	**15,864,360**	**1,065,087**	**832,202**	**4,944,651**	**60,505,696**	**657,182**	**10,122,700**	**26,821,767**

Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
1,199,375	1,757,271	13,035,331	34,900,798	3,320,565	446,617	43,870,078	4,929,429	434,006
1,199,375	1,757,879	13,035,331	34,907,724	3,320,565	562,564	43,880,668	4,937,674	434,006
1,199,375	1,757,879	13,035,331	34,916,427	3,320,565	569,408	43,893,861	4,940,710	434,048
1,199,375	1,761,651	13,035,331	34,915,428	3,320,565	569,408	43,891,361	4,936,791	434,026
1,199,446	1,790,427	12,792,270	34,916,314	3,327,672	569,408	43,904,808	4,937,304	434,026
1,199,446	1,790,427	12,800,037	34,915,834	3,327,672	569,408	43,963,023	4,940,548	435,028
1,199,446	1,789,607	12,800,037	34,915,739	3,327,672	569,408	43,967,580	4,940,676	441,048
1,199,446	1,789,607	12,816,421	34,915,033	3,327,672	569,408	43,972,375	4,942,707	440,967
1,199,446	1,789,607	12,816,421	34,915,033	3,327,672	569,408	43,972,375	4,942,684	440,967
1,199,446	1,789,607	12,816,421	34,915,139	3,327,672	569,408	43,981,559	4,942,684	440,967
1,199,446	1,789,607	12,816,780	34,916,174	3,327,672	569,408	43,981,559	4,942,684	440,967
1,199,446	1,789,607	12,856,280	34,916,227	3,327,672	569,408	43,981,669	4,942,684	440,967
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
1,199,424	**1,780,214**	**12,885,559**	**35,014,912**	**3,325,485**	**559,436**	**43,941,807**	**4,939,943**	**437,845**

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	Nyswaner	Total	
5,629,441	52,352,651	9,381,128	891,214	5,349	-	-	-	-	-	-	-	-	-	-	-	-	-	1,539,516,439.04	
5,984,098	52,834,142	9,461,629	891,229	5,349	-	-	-	-	-	-	-	-	-	-	-	-	-	1,543,407,729.80	
6,055,326	52,923,368	9,535,335	891,229	1,525,052	-	-	-	-	-	-	-	-	-	-	-	-	-	1,542,821,687.88	
6,002,953	53,118,851	9,507,782	891,229	1,523,848	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545,387,656.12	
6,017,358	53,276,120	9,559,533	891,229	1,523,848	-	-	-	-	-	-	-	-	-	-	-	-	-	1,545,304,442.29	
6,012,124	53,750,406	9,514,487	891,229	1,524,342	154,327	17,018,164	32,711,188	-	-	-	-	-	-	-	-	-	-	1,595,623,602.68	
6,011,686	53,661,637	9,512,969	891,229	1,525,147	164,817	17,790,879	32,424,428	2,662,742	6,396,327	-	-	-	-	-	-	-	-	1,602,335,996.60	
6,011,744	53,860,512	9,514,289	891,246	1,525,154	166,036	18,201,792	31,185,177	1,848,303	7,090,795	1,258,622	920,320	80,988	2,177,862	-	-	-	-	1,608,429,616.03	
6,013,139	54,344,099	9,497,691	891,246	1,525,154	347,165	18,062,963	31,188,376	863,578	5,862,559	1,277,964	889,294	80,988	2,179,204	-	-	-	-	1,606,576,285.76	
6,023,464	54,359,744	9,514,848	891,263	1,525,190	349,369	16,098,123	32,270,795	1,762,921	7,244,048	1,282,660	888,128	80,988	2,308,320	29,639,828	521,565	-	-	1,640,205,761.93	
6,025,105	54,735,889	9,550,913	891,280	1,525,223	480,353	18,655,200	30,764,003	1,753,925	7,743,329	1,331,469	836,253	5,282,863	2,312,596	30,102,639	521,565	-	-	1,648,256,416.04	
6,031,978	54,733,744	9,550,913	891,283	1,525,229	544,933	18,665,977	31,280,486	1,754,599	8,191,847	1,342,893	883,049	8,845,683	2,299,828	29,316,862	20,865,682	1,255,531	-	1,674,376,784.20	
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	7,375,651	1,342,814	878,262	20,595,363	2,304,576	29,391,313	20,704,718	1,138,659	917,779	1,687,396,579.99	
5,989,825	**53,750,119**	**9,511,725**	**891,245**	**1,291,086**	**211,687**	**11,007,398**	**19,471,113**	**954,292**	**3,838,812**	**602,802**	**407,331**	**2,689,759**	**1,044,799**	**9,111,588**	**3,277,964**	**184,168**	**70,598**	**1,598,433,769.10**	1,554,985,024.47

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

Line	Description	Source	Year		
				Link to Appendix A, line 15	**Link to Appendix A, line 15**
	Calculation of Distribution Plant In Service	Source			
	December	p206.75.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p207.75.g	For 2015	-	-
	Distribution Plant In Service			-	-
	Calculation of Intangible Plant In Service	Source			
	December	p204.5.b	For 2014	10,398,271	
	December	p205.5.g	For 2015	14,052,325	14,052,325
18	**Intangible Plant In Service**			**12,225,298**	**14,052,325**
				Link to Appendix A, line 18	**Link to Appendix A, line 18**
	Calculation of General Plant In Service	Source			
	December	p206.99.b	For 2014	55,964,796	-
	December	p207.99.g	For 2015	57,266,501	**57,266,501**
18	**General Plant In Service**			**56,615,649**	**57,266,501**
				Link to Appendix A, line 18	**Link to Appendix A, line 18**
	Calculation of Production Plant In Service	Source			
	December	p204.46b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p205.46.g	For 2015	-	-
	Production Plant In Service			-	-
6	**Total Plant In Service**	Sum of averages above		**1,667,274,716**	**1,758,715,406**
				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

	Calculation of Transmission Accumulated Depreciation	Source		13 Month Balance for Reconciliation	EOY Balance for Estimate
	December	Prior year FERC Form 1 p219.25.b	For 2014	99,909,818	
	January	company records	For 2015	102,629,975	
	February	company records	For 2015	105,231,990	
	March	company records	For 2015	107,794,813	
	April	company records	For 2015	110,395,259	
	May	company records	For 2015	113,019,995	
	June	company records	For 2015	115,689,528	
	July	company records	For 2015	118,441,565	
	August	company records	For 2015	121,408,302	
	September	company records	For 2015	124,190,854	
	October	company records	For 2015	126,928,148	
	November	company records	For 2015	129,499,730	
	December	p219.25.b	For 2015	132,411,556	132,411,556
23	**Transmission Accumulated Depreciation**			**115,965,502**	**132,411,556**

Calculation of Transmission Accumulated Depreciation	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	Osage Whiteley	Meadowbrook Transformer	North Shenandoah
December	9,420,216	(2,643,941)	82,246,430	70,493	857,590	1,116,331	(1,628,802)
January	9,534,497	(2,595,363)	84,085,835	73,360	905,432	1,130,686	(1,628,688)
February	9,648,779	(2,546,786)	85,804,959	76,227	953,105	1,145,041	(1,628,574)
March	9,763,061	(2,498,209)	87,524,070	79,095	1,000,696	1,159,396	(1,628,460)
April	9,877,342	(2,449,631)	89,279,729	81,962	1,048,287	1,151,716	(1,628,345)
May	9,991,624	(2,401,054)	91,031,996	84,829	1,095,878	1,165,671	(1,628,231)
June	10,105,906	(2,351,781)	92,773,712	87,697	1,143,469	1,179,626	(1,628,117)
July	10,220,187	(2,303,145)	94,530,321	90,564	1,191,035	1,193,581	(1,628,002)
August	10,334,469	(2,254,510)	96,498,736	93,431	1,238,555	1,207,537	(1,627,888)
September	10,448,750	(2,205,874)	98,265,744	96,299	1,286,053	1,221,492	(1,627,774)
October	10,563,032	(2,157,238)	99,938,535	99,166	1,333,551	1,235,747	(1,627,659)
November	10,677,314	(2,108,602)	101,432,803	102,033	1,381,049	1,225,570	(1,627,545)
December	10,791,595	(2,059,966)	103,209,217	104,901	1,428,548	1,239,725	(1,627,431)
Transmission Accumulated Depreciation	**10,105,906**	**(2,352,008)**	**92,817,084**	**87,697**	**1,143,327**	**1,182,471**	**(1,628,117)**

Calculation of Transmission Accumulated Depreciation	Bedington Transformers	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans
December	949,704	730,074	4,334,394	414,257	321,752	596,654
January	963,220	742,164	4,403,742	422,164	328,559	609,118
February	976,737	754,254	4,473,088	430,072	335,337	621,582
March	990,253	766,344	4,542,434	437,980	342,051	634,046
April	1,003,769	778,434	4,611,780	445,887	348,890	646,510
May	1,017,285	790,524	4,681,126	453,795	355,707	658,975
June	1,030,801	802,615	4,750,472	461,702	362,523	671,439
July	1,044,318	814,705	4,819,823	469,610	369,339	683,903
August	1,057,834	826,795	4,889,179	477,517	375,837	696,367
September	1,071,350	838,885	4,958,535	485,425	382,641	708,831
October	1,084,866	850,975	5,027,891	493,332	389,446	721,296
November	1,098,382	863,065	5,097,247	501,240	396,250	733,760
December	1,111,899	875,156	5,166,603	509,147	403,054	746,224
Transmission Accumulated Depreciation	**1,030,801**	**802,615**	**4,750,486**	**461,702**	**362,414**	**671,439**

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
434,971	169,357	18,846	13,834	89,154	678,530	17,424	254,635	183,306
447,431	199,276	20,486	15,291	97,704	784,613	18,575	264,974	235,495
459,538	229,195	22,127	16,747	106,307	890,863	19,726	275,313	287,748
471,996	259,114	23,768	18,203	115,044	996,972	20,877	285,652	340,044
484,456	287,407	25,409	19,660	123,695	1,103,290	22,028	295,991	392,350
496,794	315,181	27,050	21,116	132,357	1,209,378	23,179	306,330	444,681
509,254	342,263	28,691	22,572	141,020	1,315,547	24,330	316,669	495,699
521,714	369,964	30,332	24,029	149,682	1,421,860	25,481	327,009	545,394
534,174	397,646	31,973	25,485	158,344	1,528,182	26,633	337,348	595,085
546,634	425,330	33,614	26,941	167,039	1,634,370	27,784	347,687	646,679
559,094	453,013	35,254	28,398	175,768	1,740,564	28,935	358,026	700,178
571,554	480,719	36,895	29,854	184,476	1,846,751	30,086	368,365	753,679
584,014	508,449	38,536	31,310	193,161	1,952,939	31,237	378,704	807,181
509,355	**341,301**	**28,691**	**22,572**	**141,058**	**1,315,681**	**24,330**	**316,669**	**494,424**

Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
11,532	19,981	178,471	399,670	37,506	4,841	496,224	50,870	1,138
13,631	23,057	204,021	460,752	43,317	5,724	572,979	59,504	1,898
15,730	26,133	229,570	521,849	49,128	6,715	649,755	68,147	2,657
17,829	29,183	255,120	582,951	53,377	7,711	726,572	76,790	3,417
19,927	32,541	267,876	644,054	59,186	8,708	803,368	85,429	4,176
18,023	35,674	291,214	705,157	65,110	9,704	880,149	94,072	4,937
20,135	38,807	314,554	766,260	70,933	10,701	957,078	102,718	5,703
22,248	41,938	337,937	827,362	76,756	11,697	1,032,773	111,351	6,475
24,360	45,070	361,366	888,463	82,580	12,694	1,109,724	120,001	7,247
26,472	48,202	384,795	949,565	88,403	13,690	1,186,665	128,651	8,019
28,584	51,334	408,224	1,010,667	94,227	14,686	1,263,633	137,300	8,790
30,696	54,466	431,654	1,071,770	100,050	15,683	1,340,601	145,950	9,562
32,808	57,597	455,084	1,134,021	105,874	16,679	1,417,568	154,600	10,334
21,690	**38,768**	**316,914**	**766,349**	**71,265**	**10,710**	**956,699**	**102,722**	**5,719**

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	Nyswaner	Total
4,926	49,062	8,484	1,892	15	-	-	-	-	-	-	-	-	-	-	-	-	-	99,909,818
15,088	142,986	24,972	3,452	24	-	-	-	-	-	-	-	-	-	-	-	-	-	102,629,975
25,622	237,330	41,594	5,011	1,364	-	-	-	-	-	-	-	-	-	-	-	-	-	105,231,990
36,173	292,402	58,257	6,571	4,032	-	-	-	-	-	-	-	-	-	-	-	-	-	107,794,813
46,691	382,916	74,941	8,130	6,699	-	-	-	-	-	-	-	-	-	-	-	-	-	110,395,259
57,217	473,860	91,630	9,690	9,366	-	-	-	-	-	-	-	-	-	-	-	-	-	113,019,995
67,738	565,219	108,279	11,250	12,035	144	15,567	28,371	2,330	5,597	-	-	-	-	-	-	-	-	115,689,528
78,258	656,674	124,928	12,809	29,630	434	47,061	84,030	138	17,398	1,116	1,751	-	7,099	-	-	-	-	118,441,565
88,780	749,025	141,564	14,369	47,225	883	78,792	138,607	3,152	28,732	3,336	2,693	-	10,912	-	-	-	-	121,408,302
99,312	854,482	157,795	15,929	49,895	1,492	108,683	186,122	6,063	40,200	5,576	3,635	-	14,838	25,935	-	-	-	124,190,854
109,854	973,281	173,662	17,489	52,564	2,218	139,092	233,266	9,707	53,314	7,864	4,577	4,552	18,882	78,210	-	-	-	126,928,148
120,404	1,092,409	189,555	19,048	55,234	3,115	171,748	287,555	13,339	67,258	10,204	5,519	16,943	22,917	130,202	17,801	1,099	-	129,499,730
130,975	1,211,587	205,448	20,608	57,903	4,069	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
67,772	**590,864**	**107,778**	**11,250**	**25,076**	**950**	**58,869**	**100,020**	**3,980**	**22,568**	**3,127**	**1,895**	**4,949**	**7,815**	**31,994**	**5,466**	**330**	**62**	**115,965,502**

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

Line	Description	Source	Year	Link to Appendix A, line 23	Link to Appendix A, line 23
	Calculation of Distribution Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.26.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p219.26.b	For 2015	-	-
	Distribution Accumulated Depreciation			-	-
	Calculation of Intangible Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p200.21.b	For 2014	6,322,660	
	December	p200.21b	For 2015	7,830,329	7,830,329
25	**Accumulated Intangible Depreciation**			**7,076,495**	**7,830,329**
				Link to Appendix A, line 25	**Link to Appendix A, line 25**
	Calculation of General Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.28b	For 2014	5,276,835	
	December	p219.28.b	For 2015	6,723,810	6,723,810
24	**Accumulated General Depreciation**			**6,000,323**	**6,723,810**
				Link to Appendix A, line 24	**Link to Appendix A, line 24**
	Calculation of Production Accumulated Depreciation	Source			
	December	Prior year FERC Form 1 p219.20.b-24.b	For 2014	-	
	January	company records	For 2015	-	
	February	company records	For 2015	-	
	March	company records	For 2015	-	
	April	company records	For 2015	-	
	May	company records	For 2015	-	
	June	company records	For 2015	-	
	July	company records	For 2015	-	
	August	company records	For 2015	-	
	September	company records	For 2015	-	
	October	company records	For 2015	-	
	November	company records	For 2015	-	
	December	p219.20.b thru 219.24.b	For 2015	-	-
	Production Accumulated Depreciation			-	-
8	**Total Accumulated Depreciation**	Sum of averages above		**129,042,319**	**146,965,695**
				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

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount Beg of year	Electric Portion End of Year (for estimate)		Non-electric Portion Average of Beginning and Ending Balances	Details
	Materials and Supplies							
40	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

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

CWIP & Expensed Lease Worksheet

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	CWIP In Form 1 Amount		Expensed Lease in Form 1 Amount	Details
	Plant Allocation Factors							
6	Electric Plant in Service	(Note B)	Attachment 5	1,605,879,506	-		-	
	Plant In Service							
15	Transmission Plant In Service	(Note B)	Attachment 5	1,539,516,439	-		-	
	Accumulated Depreciation							
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	99,909,818	-		-	

Pre-Commercial Costs Capitalized

Line	Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			EOY for Estimate and BOY for Final	Amortization Amount (Over 4 Years)	Calculated End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliation)	
35	Unamortized Capitalized Pre-Commercial Costs			$ -	$ -	$ -	$ -	

EPRI Dues Cost Support

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

Regulatory Expense Related to Transmission Cost Support

Line	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 A&G							
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

Line	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 A&G							
66	General Advertising Exp Account 930.1	(Note F)	p323.191.b	5	-	-	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
	Income Tax Rates		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				
110	SIT=State Income Tax Rate or Composite	(Note H)	7.6951%					

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
	Directly Assigned A&G						
63	General Advertising Exp Account 930.1	(Note J)	p323.191.b	5	-	5	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
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
126	Excluded Transmission Facilities		(Note L)		General Description of the Facilities
	Step-Up 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				
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,			Or	
	the following formula will be used:	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

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 Related	Details
36	Prepayments				Enter $		Amount	
	Prepayments	Prepaid Insurance	169,249	1,289,264	729,257	100%	729,257	
	Prepaid Pensions if not included in Prepayments		-	0	0	100%	0	
	Total Prepayments		**169,249**	**1,289,264**	729,257		729,257	

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		1,275,313	
	Total Account 566 Miscellaneous Transmission Expenses	p.321.97.b	$ 1,275,313	

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 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.

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

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Depreciation Rates

TRANSMISSION PLANT		Life		Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent
350.2	Land & Land Rights - Easements	70	-	R4	0	1.43
352	Structures & Improvements	50	-	R3	(10)	2.20
	SVC	35	-			2.86
353	Station Equipment					
	Other	50	-	R2	(5)	2.10
	SVC	Note 1	-	80 R2 - 35-yr truncation		2.96
	SCADA	15	-	S3	0	6.67
354	Towers & Fixtures	65	-	R4	(25)	1.92
355	Poles & Fixtures	55	-	R2.5	(20)	2.18
356	Overhead Conductors & Devices					
	Other	55	-	R2.5	(40)	2.80
	Clearing	70	-	R4	0	1.43
357	Underground conduit	55	-	S3	(5)	1.91
358	Underground conductor and devices	45	-	R3	(5)	2.33
	SVC	35				2.86
Total Transmission Plant Depreciation						
Total Transmission Depreciation Expense (must tie to p336.7.f)	32,668,650					

		Black Oak	Wylie Ridge	502 Junction - Territorial 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	Land & Land Rights - Easements			2,455,647								
352	Structures & Improvements	16,761		1,340,139								
	SVC											
353	Station Equipment	1,354,619	583,338	778,465	169,363	1,372	162,194	145,082	832,210	94,890	81,620	149,570
	Other											
	SVC											
	SCADA											
354	Towers & Fixtures			7,287,528								
355	Poles & Fixtures			2,925,955								
356	Overhead Conductors & Devices			6,251,919								
	Other											
	Clearing											
357	Underground conduit											
358	Underground conductor and devices											
	SVC	-	-	-	-	-	-	-	-	-	-	-
Total Transmission Plant Depreciation		1,371,379	583,338	21,039,652	169,363	1,372	162,194	145,082	832,210	94,890	81,620	149,570

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 Whitely	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City
				71						2,654			
152	281		14,882	1,860	1,255				124,069		2,156		
149,368	13,533	34,408	110,729	337,261	18,436	17,476	104,007	1,274,408		260,331	23,130	37,396	
													25,696
			96,651							8,298			136,005
			348,696							352,592			114,912
-													
149,520	13,814	34,408	570,958	339,191	19,691	17,476	104,007	1,274,408	124,069	623,875	25,286	37,396	276,613

Altoona	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	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Total
																		770						2,459,141
							10,795																	1,512,350
																								-
																								-
734,352	69,838	11,838	922,805	103,731	9,195	126,050	1,074,343	196,964	18,716	57,772	4,069	204,359	342,313	17,013	80,879	12,554	6,462	26,956	26,946	181,571	53,262	3,194	803	11,019,189
																								-
																								-
																								-
																								-
																								7,313,224
							63,752			117								13,291						3,244,068
																								-
							50,737											1,823						7,120,679
																								-
																								-
																								-
																								-
																								-
																								-
734,352	69,838	11,838	922,805	103,731	9,195	126,050	1,199,627	196,964	18,716	57,889	4,069	204,359	342,313	17,013	80,879	12,554	6,462	42,840	26,946	181,571	53,262	3,194	803	32,668,650

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	893,110
391	Office Furniture & Equipment	20	SQ	0	5.00	96,332
	Information Systems	10	SQ	0	10.00	309,347
	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	2,743
	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	156,475
398	Miscellaneous Equipment	15	SQ	0	6.67	-
Total General Plant						1,458,006
Total General Plant Depreciation Expense (must tie to p336.10.b & c)	1,458,006					

INTANGIBLE PLANT		**Life**	**Survivor Curve**	Net Salvage Percent	Accrual Rate (Annual) Percent	**Total**
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	1,491,899
Total Intangible Plant						1,491,899
Total Intangible Plant Amoritization (must tie to p336.1 d & e)	1,491,899					

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	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.

Step 3 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	**Estimate Step 2**	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**	CWIP	AFUDC In CWIP	AFUDC (If CWIP was not in Rate Base)
	Prexy - 502 Junction 138 kV (CWIP)	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year				
	1	-	-	-		-	-	
	2	-	-	-		-	-	
	3	-	-	-		-	-	
	4	-	-	-		-	-	
	…							
	Total	-	-	-		-	-	
	Prexy - 502 Junction 500 kV (CWIP)							
	1	-	-	-		-	-	
	2	-	-	-		-	-	
	3	-	-	-		-	-	
	4	-	-	-		-	-	
	…							
	Total	-	-	-		-	-	
	502 Junction - Territorial Line (CWIP)							
	1	-	-	-		139,318	-	136,129,170
	2	-	-	-		-	-	-
	3	-	-	-		-	-	-
	4	-	-	-		-	-	-
	…							
	Total	-	-	-		139,318	-	136,129,170

Total Additions to Plant In Service (sum of the above for each project)	Refer to Attachment 5 - Cost Support Plant in Service Worksheet	136,129,170
Total Additions to Plant in Service reported on pages 204-207 of the Form No. 1	Refer to Attachment 5 - Cost Support Plant in Service Worksheet	
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.

Trans-Allegheny Interstate Line 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
2	April	Year 2	TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.
3	April	Year 2	TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)
4	May	Year 2	Post results of Step 3 on PJM web site
5	June	Year 2	Results of Step 3 go into effect
6	April	Year 3	TO estimates all transmission Cap Adds and CWIP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected be in service in Year 3.
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 CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year).
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)
9	May	Year 3	Post results of Step 8 on PJM web site
10	June	Year 3	Results of Step 8 go into effect

Reconciliation Details

Step	Month	Year	Action
1	April	Year 2	TO populates the formula with Year 1 data
			Rev Req based on Year 1 data — Must run Appendix A to get this number (without any cap adds in Appendix A line 16 and without CWIP in Appendix A line 33)
2	April	Year 2	TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Rider Sub (West Milford)		Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	502 Junction - Territorial Line (monthly additions)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	106
Jan 2015	Actual	-	-	-	-	-	-	-	6,009,487
Feb	Actual	-	-	-	-	-	-	-	(6,007,300)
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Budget	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	-	-	-	754,538	22,073,337	788,782	564,788	-
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	34,366,931	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	18,411,593	-	-	-	-	-	-	-
Total		18,411,593	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293

Month End Balances								
Other Projects PIS (Monthly additions)	Rider Sub (West Milford)	0	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	502 Junction - Territorial Line (monthly additions)
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
	-	-	-	-	-	-	-	106
	-	-	-	-	-	-	-	6,009,593
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	-	-	-	-	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	-	754,538	22,073,337	788,782	564,788	2,293
	-	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	-	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	18,411,593	-	34,366,931	754,538	22,073,337	788,782	564,788	2,293
	18,411,593	**-**	**103,100,793**	**5,281,766**	**154,513,359**	**5,521,474**	**3,953,516**	**6,034,920**
	1,416,276	-	7,930,830	406,290	11,885,643	424,729	304,117	464,225
(Appendix A, Line 16)	(Appendix A, Line 16)	(Appendix A, Line 16)	(Appendix A, Line 16)			(Appendix A, Line 33)		

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Claysburg Ring Bus	Yeagertown	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville
		(in service)	(in service)		(in service)				(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	-
Jan 2015	Actual	-	-	-	-	-	-	-	-
Feb	Actual	-	-	-	-	-	-	-	-
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Budget	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	945,000	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739

Month End Balances								
Other Projects PIS (Monthly additions)	Claysburg Ring Bus	Yeagertown	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	-	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	2,904,800	1,030,589	2,711,928	14,697,836	35,103,448	822,802	945,000	1,974,739
	20,333,600	**7,214,123**	**18,983,494**	**102,884,852**	**245,724,136**	**5,759,614**	**2,835,000**	**13,823,173**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	-	-
Jan 2015	Actual	-	-	-	-	-	-	-	-
Feb	Actual	-	-	-	-	-	-	-	-
Mar	Actual	-	-	-	-	-	-	-	-
Apr	Budget	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	-	-	-	-	-	-	-	-
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	-	-	-

Month End Balances								
Other Projects PIS (Monthly additions)	0	0	0	0	0	0	0	0
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	1,564,123.08	554,932.54	1,460,268.73	7,914,219.38	18,901,856.62	443,047.23	218,076.92	

3 April Year 2 TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)

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

Wylie 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 Whiteley (Monthly Additions)	Meadowbrook SS	502 Junction - Territorial Line (Monthly additions)
$ 3,142,765	6,450,496.74	219,346.51	1,075,868.34	1,025,920.05	880,320.91	5,330,749	698,648	638,282	800,333	1,002,346	6,030,191	135,653	118,184	699,723	283,499	3,633,473	8,248,845	155,978,006

502 Junction Substation	Waldo Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Northwood	Shuman Hill	Buffalo Road	Pleasureville Capacitor	Grover SS Capacitor
$ 1,381,688.46	6,718,248.12	3,605,452.90	456,125.96	1,203,582.19	672,884.34	70,759	95,418	4,798,880	162,993	241,502	722,103	61,172	135,583	-	695	56,333	-	38,778

Total Revenue Requirement	Handsome Lake - Homer City	West Union	Rider Sub (West Milford)	Oak Mound to Waldo Double Circuit	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Conemaugh Capacitor	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Armstrong
$ 227,621,101.07	1,817,838.25	115,288.54	180,588.20	0.00	1,011,253.44	51,806	1,515,528	54,157	199,440	186,198	1,009,135	2,410,160	56,493	27,807	2,170,565

5 June Year 2 Results of Step 3 go into effect

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

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Richwood Hill	Erie South	Joffre Sub	Oak Mound	Black Oak	Kammer	Conemaugh	502 Junction - Territorial Line (monthly additions)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-	-	-	340	(646)
Jan 2016	Actual	-	-	-	2,258,136	171,639	201	252	(128)
Feb	Actual	-	-	-	33,570	-	-	17,872	2,803
Mar	Actual	-	-	-	64,329	-	421	-	354
Apr	Budget	27,755	-	-	-	-	-	-	525,648
May	Budget	55,706	41,965,349	-	-	-	-	-	-
Jun	Budget	56,001	-	-	-	-	-	-	-
Jul	Budget	28,347	-	-	81,484,687	-	-	-	-
Aug	Budget	398	1,239,335	-	6,079,212	-	-	-	-
Sep	Budget	103	9,735	-	626,352	-	-	-	-
Oct	Budget	-	4,868	-	623,365	-	-	-	-
Nov	Budget	-	-	16,684,242	79,984	-	-	-	-
Dec	Budget	53,779,880	-	-	66,377	-	-	-	-
Total		53,948,190	43,219,287	16,684,242	91,316,012	171,639	622	18,464	528,031
New Transmission Plant Additions for Year 3 (13 month average balance)									

Month End Balances								
Other Projects PIS (Monthly additions)	Richwood Hill	Erie South	Joffre Sub	Oak Mound	Black Oak	Kammer	Conemaugh	502 Junction - Territorial Line (monthly additions)
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	CWIP
	-	-	-	-	-	-	340	(646)
	-	-	-	2,258,136	171,639	201	592	(774)
	-	-	-	2,291,706	171,639	201	18,464	2,029
	-	-	-	2,356,035	171,639	622	18,464	2,383
	27,755	-	-	2,356,035	171,639	622	18,464	528,031
	83,461	41,965,349	-	2,356,035	171,639	622	18,464	528,031
	139,462	41,965,349	-	2,356,035	171,639	622	18,464	528,031
	167,809	41,965,349	-	83,840,722	171,639	622	18,464	528,031
	168,207	43,204,684	-	89,919,934	171,639	622	18,464	528,031
	168,310	43,214,419	-	90,546,286	171,639	622	18,464	528,031
	168,310	43,219,287	-	91,169,651	171,639	622	18,464	528,031
	168,310	43,219,287	16,684,242	91,249,635	171,639	622	18,464	528,031
	53,948,190	43,219,287	16,684,242	91,316,012	171,639	622	18,464	528,031
	55,039,814	**341,973,011**	**33,368,484**	**552,016,225**	**2,059,664**	**6,618**	**204,041**	**4,755,269**
	4,233,832	26,305,616	2,566,806	42,462,787	158,436	509	15,695	365,790

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Meadowbrook SS	Altoona	Hunterstown	Buffalo Road	Moshannon	Waldo Run	Bartonville	Squab Hollow SS
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	3,513	1,315,536	908	-	17,332	66,647	1	(62,906)
Jan 2016	Actual	30,221	25,368	-	-	7,425	7,257	(41,204)	46,174
Feb	Actual	-	69	-	355,820	590	(27,968)	(2,641)	22,364
Mar	Actual	12,115	4,638	-	0	4,616	50,112	3	6,134
Apr	Budget	-	-	-	-	-	-	-	-
May	Budget	-	-	-	-	-	-	-	-
Jun	Budget	-	-	-	-	-	-	-	-
Jul	Budget	-	-	-	-	-	-	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
New Transmission Plant Additions for Year 3 (13 month average balance)									

Month End Balances								
Other Projects PIS (Monthly additions)	Meadowbrook SS	Altoona	Hunterstown	Buffalo Road	Moshannon	Waldo Run	Bartonville	Squab Hollow SS
	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
	3,513	1,315,536	908	-	17,332	66,647	1	(62,906)
	33,734	1,340,904	908	-	24,757	73,904	(41,203)	(16,732)
	33,734	1,340,974	908	355,820	25,347	45,936	(43,844)	5,632
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	45,849	1,345,611	908	355,821	29,963	96,048	(43,840)	11,767
	529,470	**17,453,528**	**11,806**	**3,914,027**	**367,064**	**1,146,969**	**(523,450)**	**43,660**
	40,728.46	1,342,579.08	908.13	301,078.99	28,235.68	88,228.36	(40,265.36)	3,358.46

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover	Rider	Shawville	Monocacy
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	19,534	5,129	(816,196)	(80)	(4,786)	11,749,680	4,748	74,451
Jan 2016	Actual	8,099	512	41,781	26,076	12,753	(96,672)	372	9,204,017
Feb	Actual	12,978	16	218,009	(8)	(1)	64,787	(228)	(532,518)
Mar	Actual	(945)	16	47,345	-	-	108,196	11	20,340
Apr	Budget	-	-	-	-	-	88,461	-	458,750
May	Budget	-	-	-	-	-	88,461	-	-
Jun	Budget	-	-	-		-	119,657	-	-
Jul	Budget	-	-	-	-	-	33,188	-	-
Aug	Budget	-	-	-	-	-	-	-	-
Sep	Budget	-	-	-	-	-	-	-	-
Oct	Budget	-	-	-	-	-	-	-	-
Nov	Budget	-	-	-	-	-	-	-	-
Dec	Budget	-	-	-	-	-	-	-	-
Total		39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
New Transmission Plant Additions for Year 3 (13 month average balance)									

Month End Balances								
Other Projects PIS (Monthly additions)	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover	Rider	Shawville	Monocacy
				(in service)	(in service)	(in service)	(in service)	(in service)
	19,534	5,129	(816,196)	(80)	(4,786)	11,749,680	4,748	74,451
	27,633	5,640	(774,415)	25,996	7,967	11,653,008	5,120	9,278,468
	40,611	5,656	(556,406)	25,988	7,966	11,717,795	4,892	8,745,949
	39,666	5,672	(509,061)	25,988	7,966	11,825,991	4,903	8,766,289
	39,666	5,672	(509,061)	25,988	7,966	11,914,452	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,002,913	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,122,570	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	39,666	5,672	(509,061)	25,988	7,966	12,155,758	4,903	9,225,039
	484,435	**73,141**	**(7,237,628)**	**311,783**	**90,802**	**155,920,958**	**63,787**	**109,890,507**
	37,264.19	5,626.26	(556,740.59)	23,983.28	6,984.73	11,993,919.81	4,906.67	8,453,115.91

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Mainsburg	Yeagertown	Nyswaner	Farmers Valley Substation	Farmers Valley	Doubs SS	Handsome Lake - Homer City	North Shenandoah
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)
Dec (Prior Year CWIP) p216.b.43	Actual	(160,964)	(116,872)	917,779	-	-	-	-	-
Jan 2016	Actual	211,102	(4,954)	5,563	-	-	-	-	-
Feb	Actual	130,011	1,389	846	-	-	-	-	-
Mar	Actual	106,224	(67)	14,068	-	8,571	30,726	7,145	-
Apr	Budget	162,721	-	-	-	-	-	-	-
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
New Transmission Plant Additions for Year 3 (13 month average balance)									

Month End Balances								
Other Projects PIS (Monthly additions)	Mainsburg	Yeagertown	Nyswaner	Farmers Valley Substation	Farmers Valley	Doubs SS	Handsome Lake - Homer City	North Shenandoah
				(in service)	(in service)	(in service)	(in service)	(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	-	8,571	30,726	7,145	-
	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	1,843,220
	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**
	621,332.43	(120,321.06)	934,451.19	21,617,690.46	6,592.98	23,635.36	5,496.26	1,134,289.29

Wylie 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 Whiteley (Monthly Additions)	Meadowbrook SS	502 Junction - Territorial Line (Monthly additions)
$ 3,107,497	6,225,985.48	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	Waldo Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Oak Mound	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Grover SS Capacitor
$ 1,353,302.60	7,965,425.08	3,975,529.66	475,933.65	1,374,926.15	707,251.51	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 Milford)	Erie South	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Joffre Sub	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	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 CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year).

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
							Line (monthly additions)		
		(in service)	(in service)	(in service)	(in service)	(in service)	CWIP	CWIP	CWIP
Dec (Prior Year CWIP) p216.b.43	Actual	-	-	-	-		3,277,585		
Jan 2015	Actual	-	-	-	-		1,600,838		
Feb	Actual	-	-	-	-		(4,940,191)		
Mar	Actual	-	-	-	-		(104,764)		
Apr	Actual	-	-	-	-		(2)		
May	Actual	-	-	-	-		392		
Jun	Actual	-	-	-	-		46,962		
Jul	Actual	-	-	-	-		(32,497)		
Aug	Actual	-	-	-	-		293,226		
Sep	Actual	-	-	-	-		2,126		
Oct	Actual	-	-	-	-		(3,770)		
Nov	Actual	-	-	-	-		59		
Dec	Actual	-	-	-	-		(646)		
Total		-	-	-	-	-	139,318	-	-

Month End Balances

(Monthly additions)	0	0	0	0		(monthly additions)		
				(in service)	(in service)	CWIP		
	-	-	-	-	-	3,277,585	-	-
	-	-	-	-	-	4,878,423	-	-
	-	-	-	-	-	(61,769)	-	-
	-	-	-	-	-	(166,533)	-	-
	-	-	-	-	-	(166,535)	-	-
	-	-	-	-	-	(166,142)	-	-
	-	-	-	-	-	(119,180)	-	-
	-	-	-	-	-	(151,677)	-	-
	-	-	-	-	-	141,549	-	-
	-	-	-	-	-	143,675	-	-
	-	-	-	-	-	139,905	-	-
	-	-	-	-	-	139,964	-	-
	-	-	-	-	-	139,318	-	-
	-	**-**	**-**	**-**	**-**	**8,028,583**	**-**	**-**
	-	-	-	-	-	617,583	-	-

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
$ 229,938,924.57	280,278.20	988,924.56	788,128.95	630,629.44	690,111.56	5,261,055	868,051	1,012,029	1,060,923	218,352	6,330,396	3,163,229	154,239,589	3,547,062	2,310,288	151,291	120,282	713,961

Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor
8,790,276	64,066	1,872,563	94,172	174,833	258,523	5,083,188	483,054	3,966,885	1,369,226	81,515	6,380,996	717,954	878,024	7,949,717	1,391,064	130,457	30,828

Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstwon Sub Capcitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Conemaugh Capacitor
26,537	383,754	1,334,486	218,645	468,800	88,700	57,943	565,461	1,594,588	2,802,028	137,683	9,760	158,621	-

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		
229,938,925	-	227,621,101	=	2,317,823

<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 35.19a for March Current Yr 0.2700%

Month	Yr	1/12 of Step 9	Interest 35.19a for March Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	193,152	0.2700%	11.5	5,997	199,149
Jul	Year 1	193,152	0.2700%	10.5	5,476	198,628
Aug	Year 1	193,152	0.2700%	9.5	4,954	198,106
Sep	Year 1	193,152	0.2700%	8.5	4,433	197,585
Oct	Year 1	193,152	0.2700%	7.5	3,911	197,063
Nov	Year 1	193,152	0.2700%	6.5	3,390	196,542
Dec	Year 1	193,152	0.2700%	5.5	2,868	196,020
Jan	Year 2	193,152	0.2700%	4.5	2,347	195,499
Feb	Year 2	193,152	0.2700%	3.5	1,825	194,977
Mar	Year 2	193,152	0.2700%	2.5	1,304	194,456
Apr	Year 2	193,152	0.2700%	1.5	782	193,934
May	Year 2	193,152	0.2700%	0.5	261	193,413
Total		2,317,823				2,355,372

		Balance	Interest	Amort	Balance
Jun	Year 2	2,355,372	0.2700%	199,743	2,161,989
Jul	Year 2	2,161,989	0.2700%	199,743	1,968,084
Aug	Year 2	1,968,084	0.2700%	199,743	1,773,655
Sep	Year 2	1,773,655	0.2700%	199,743	1,578,701
Oct	Year 2	1,578,701	0.2700%	199,743	1,383,220
Nov	Year 2	1,383,220	0.2700%	199,743	1,187,212
Dec	Year 2	1,187,212	0.2700%	199,743	990,675
Jan	Year 3	990,675	0.2700%	199,743	793,607
Feb	Year 3	793,607	0.2700%	199,743	596,007
Mar	Year 3	596,007	0.2700%	199,743	397,873
Apr	Year 3	397,873	0.2700%	199,743	199,205
May	Year 3	199,205	0.2700%	199,743	-
Total with interest				2,396,913	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest		2,396,913	Input to Appendix A, Line 147
Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)	$	252,936,328	
Revenue Requirement for Year 3		255,333,241	

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
$ 2,396,913	(3,331)	(13,880)	(12,620)	(7,914)	(8,828)	(72,073)	(12,689)	(14,365)	(15,456)	(1,028)	(124,199)	21,163	(1,797,735)	(89,360)	144,490	16,171	2,170	14,724

Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor
559,906	7,997	56,592	(1,289)	12,244	17,602	294,009	27,847	373,765	(12,888)	21,037	362,776	46,608	161,241	1,273,490	193,879	15,686	(21,693)

Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capcitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Conemaugh Capacitor
(45,731)	210,098	334,262	225,387	(1,082,445)	35,722	19,820	378,510	605,430	405,240	83,960	(18,663)	23,824	(192,551)

9 May Year 3 Post results of Step 8 on PJM web site
$ 255,333,241

10 June Year 3 Results of Step 8 go into effect
$ 255,333,241

Trans-Allegheny Interstate Line Company

Attachment 7 - Transmission Enhancement Charge Worksheet

1 **Revenue Requirement By Project**

Line		Formula Line		
2	**Fixed Charge Rate (FCR) if not a CIAC**			
3	A	137	FCR without Depreciation and Pre-Commercial Costs	12.6046%
4	B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial	13.4862%
5	C		Line B less Line A	0.8816%
6	**FCR if a CIAC**			
7	D	138	FCR without Depreciation, Return, nor Income Taxes	0.8929%

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

Line				PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4	PJM Upgrade ID: b0218	PJM Upgrade ID: b0216
10		Details		502 Junction - Territorial Line (CWIP + Plant In Service)	Wylie Ridge Transformer (Plant In Service)	Black Oak (SVC) Dynamic Reactive Device (Plant In Service)
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	CIAC	(Yes or No)	No	No	No
13	Input the allowed ROE	Allowed ROE		12.70%	11.70%	12.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	FCR without Incentive ROE		12.6046%	12.6046%	12.6046%
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	FCR for This Project		13.4862%	12.6046%	13.4862%
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.	Investment		971,417,912	20,025,633	35,996,741
17	Annual Depreciation Exp from Attachment 5			21.039.652	583.338	1.371.379

Line			Invest Yr	Return	Depreciation	Pre-Commercial Exp.	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
18																
19	See Calculations for each item below	Wo Incentive ROE	2011	122.443.759.15	21.039.651.73	0.00	(1.797.735.40)	141.685.675.48	2.524.159.53	583.337.73	21.162.52	3.128.659.78	4.537.260.66	1.371.379.44	(124.199.20)	5.784.440.90
20	See Calculations for each item below	W Incentive ROE	2011	131,007,728.39	21,039,651.73	0.00	(1,797,735.40)	150,249,644.72	2,524,159.53	583,337.73	21,162.52	3,128,659.78	4,854,606.04	1,371,379.44	(124,199.20)	6,101,786.28

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.

Line	Description	PJM Upgrade ID: b0323				PJM Upgrade ID: b0230				PJM Upgrade ID: b0229			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10		North Shenandoah Transformer (Plant In Service)				Meadowbrook Transformer (Plant In Service)				Bedington Transformer (Plant In Service)			
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 29, Otherwise "No"	No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%			
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.	2,842,402				6,966,992				6,611,639			
17	Annual Depreciation Exp from Attachment 5	1,372				169,363				162,194			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	358.274.59	1.371.60	(1.027.94)	358.618.26	878.164.52	169.362.94	(15.455.59)	1.032.071.87	833.373.50	162.194.28	(14.365.20)	981.202.58
20	See Calculations for each item below	358,274.59	1,371.60	(1,027.94)	358,618.26	878,164.52	169,362.94	(15,455.59)	1,032,071.87	833,373.50	162,194.28	(14,365.20)	981,202.58

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

1
2
3
4
5
6
7
8
9

Line	Description	PJM Upgrade ID: b0559				PJM Upgrade ID: b0495				PJM Upgrade ID: b0343				PJM Upgrade ID: b0344			
10		Meadowbrook Capacitor (Plant In Service)				Kammer Transformers (Plant In Service)				Doubs Replace Transformer #2				Doubs Replace Transformer #3			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%				12.6046%			
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.	5,621,083				34,465,959				4,640,123				4,282,999			
17	Annual Depreciation Exp from Attachment 5	145,082				832,210				94,890				81,620			
18		Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	708.517.49	145.082.04	(12.688.84)	840.910.69	4.344.311.03	832.209.58	(72.072.78)	5.104.447.83	584.870.95	94.890.48	(8.827.78)	670.933.66	539.856.73	81.619.65	(7.914.14)	613.562.24
20	See Calculations for each item below	708,517.49	145,082.04	(12,688.84)	840,910.69	4,344,311.03	832,209.58	(72,072.78)	5,104,447.83	584,870.95	94,890.48	(8,827.78)	670,933.66	539,856.73	81,619.65	(7,914.14)	613,562.24

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

Line	Description																
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
		PJM Upgrade ID: b0345				**PJM Upgrade ID: b0704**				**PJM Upgrade ID: b1941**				**PJM Upgrade ID: b0563**			
10		**Doubs Replace Transformer #4**				**Cabot SS - Install Autotransformer**				Armstrong				Farmers Valley Capacitor			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%				12.6046%			
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.	4,954,083				6,535,657				15,355,719				1,749,022			
17	Annual Depreciation Exp from Attachment 5	149,570				149,520				339,191				19,691			
18		Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue	Return	Depreciation	**Reconciliation Amount**	Revenue
19	See Calculations for each item below	624.444.53	149.570.04	(12.620.04)	761.394.53	823.796.24	149.520.00	(13.879.56)	959.436.67	1.935.533.60	339.190.87	144.490.38	2.419.214.84	220.457.96	19.690.61	16.171.43	256.320.01
20	See Calculations for each item below	624,444.53	149,570.04	(12,620.04)	761,394.53	823,796.24	149,520.00	(13,879.56)	959,436.67	1,935,533.60	339,190.87	144,490.38	2,419,214.84	220,457.96	19,690.61	16,171.43	256,320.01

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

Line	Description	PJM Upgrade ID: b0564	PJM Upgrade ID: b1803	PJM Upgrade ID: b1243	PJM Upgrade ID: b0674, b1023, b1023.3
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10		Harvey Run Capacitor	Doubs SS	Potter SS	Osage Whiteley
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%	12.6046%	12.6046%	12.6046%
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	12.6046%	12.6046%	12.6046%	12.6046%
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.	800,891	4,793,352	1,919,107	23,105,463
17	Annual Depreciation Exp from Attachment 5	17,476	104,007	34,408	570,958

PJM Upgrade ID: b0564 / PJM Upgrade ID: b1803

Line	Description	b0564 Return	b0564 Depreciation	b0564 Reconciliation Amount	b0564 Revenue	b1803 Return	b1803 Depreciation	b1803 Reconciliation Amount	b1803 Revenue
18		Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	100,949.45	17,476.20	2,169.80	120,595.46	604,184.88	104,007.03	14,724.12	722,916.02
20	See Calculations for each item below	100,949.45	17,476.20	2,169.80	120,595.46	604,184.88	104,007.03	14,724.12	722,916.02

PJM Upgrade ID: b1243 / PJM Upgrade ID: b0674, b1023, b1023.3

Line	b1243 Return	b1243 Depreciation	b1243 Pre-Commercial Exp.	b1243 Reconciliation Amount	b1243 Revenue	b0674 Return	b0674 Depreciation	b0674 Pre-Commercial Exp.	b0674 Reconciliation amount	b0674 Revenue
18	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Reconciliation amount	Revenue
19	241,897	34,408	0	(3,331)	272,973.83	2,912,361	570,958	0	(89,360)	3,393,959.32
20	241,897	34,408	0	(3,331)	272,973.83	2,912,361	570,958	0	(89,360)	3,393,959.32

For Plant in Service

"Pre-Commercial Exp" is equal to the amount of pre-comme
Revenue is equal to the "Return" ("Investment" times FCR)
"Reconciliation Amount" is created in the reconciliation in Att

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Line	Description	PJM Upgrade ID: b1800				PJM Upgrade ID: b1800			
10		Meadowbrook SS				Hunterstown			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%			
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	12.6046%				12.6046%			
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.	58,653,823				42,565,917			
17	Annual Depreciation Exp from Attachment 5	1,274,408				922,805			
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	7.393.105	1.274.408	559.906	9.227.419.13	5.365.282	922.805	362.776	6.650.862.51
20	See Calculations for each item below	7,393,105	1,274,408	559,906	9,227,419.13	5,365,282	922,805	362,776	6,650,862.51

Line	Description	PJM Upgrade ID: b2433.1, b2433.2, b2433.3				PJM Upgrade ID: b1153			
10		Waldo Run SS				Conemaugh			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No			
13	Input the allowed ROE	11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%			
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	12.6046%				12.6046%			
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.	53,677,032				26,590,636			
17	Annual Depreciation Exp from Attachment 5	1,199,627				623,875			
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	6.765.798	1.199.627	1.273.490	9.238.914.86	3.351.655	623.875	373.765	4.349.294.92
20	See Calculations for each item below	6,765,798	1,199,627	1,273,490	9,238,914.86	3,351,655	623,875	373,765	4,349,294.92

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

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		PJM Upgrade ID: b1967				PJM Upgrade ID: b1609, b1769				PJM Upgrade ID: b1945				PJM Upgrade ID: b1610			
10		Blairsville SS				Four Mile Jct				Johnstown SS (2nd xfmr)				Yeagertown			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%				12.6046%			
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.	3,221,798				9,345,465				4,788,084				1,015,145			
17	Annual Depreciation Exp from Attachment 5	69,838				196,964				103,731				3,194			
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	406.096	69.838	27.847	503.780.47	1.177.963	196.964	193.879	1.568.805.47	603.521	103.731	46.608	753.859.44	127.955	3.194	(45.731)	85.417.96
20	See Calculations for each item below	406,096	69,838	27,847	503,780.47	1,177,963	196,964	193,879	1,568,805.47	603,521	103,731	46,608	753,859.44	127,955	3,194	(45,731)	85,417.96

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

Line	Description	PJM Upgrade ID: b1990				PJM Upgrade ID: b1801				PJM Upgrade ID: b1965				PJM Upgrade ID: b1839			
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10		Grandview Capacitor				Altoona SVC				Luxor				Grand Point & Guilford			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%				12.6046%			
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.	625,953				36,436,539				1,166,638				1,732,010			
17	Annual Depreciation Exp from Attachment 5	13,814				734,352				25,286				37,396			
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	78,899	13,814	(1,289)	91,424.02	4,592,696	734,352	294,009	5,621,056.55	147,051	25,286	12,244	184,580.85	218,314	37,396	17,602	273,311.99
20	See Calculations for each item below	78,899	13,814	(1,289)	91,424.02	4,592,696	734,352	294,009	5,621,056.55	147,051	25,286	12,244	184,580.85	218,314	37,396	17,602	273,311.99

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

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Line		PJM Upgrade ID: b1964	PJM Upgrade ID: b1672	PJM Upgrade ID: b1998	PJM Upgrade ID: b1999, b2002	PJM Upgrade ID: b2342
10		Moshannon	Carbon Center	Shawville	Northwood	Shuman Hill Sub
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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.	5,946,570	552,729	2,282,536	0	1,467,326
17	Annual Depreciation Exp from Attachment 5	126,050	11,838	26,946	0	57,889

PJM Upgrade ID: b1964 (Moshannon)

Line		Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	749.544	126.050	161.241	1.036.835.00
20	See Calculations for each item below	749,544	126,050	161,241	1,036,835.00

PJM Upgrade ID: b1672 (Carbon Center)

Line		Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	69.670	11.838	21.037	102.544.60
20	See Calculations for each item below	69,670	11,838	21,037	102,544.60

PJM Upgrade ID: b1998 (Shawville)

Line		Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	287.706	26.946	23.824	338.475.93
20	See Calculations for each item below	287,706	26,946	23,824	338,475.93

PJM Upgrade ID: b1999, b2002 (Northwood)

Line		Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	0	0	0	0.00
20	See Calculations for each item below	0	0	0	0.00

PJM Upgrade ID: b2342 (Shuman Hill Sub)

Line		Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	184.951	57.889	225.387	468.227.14
20	See Calculations for each item below	184,951	57,889	225,387	468,227.14

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

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		PJM Upgrade ID: b1770				**PJM Upgrade ID: b2148**				**PJM Upgrade ID: b0556**				**PJM Upgrade ID: b1023.1**				**PJM Upgrade ID: b1941**			
10		Buffalo Road				Pleasureville Capacitor				Grover SS Capacitor				502 Junction Substation				Handsome Lake - Homer City			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No				No				No			
13	Input the allowed ROE	11.70%				11.70%				11.70%				11.70%				11.70%			
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%				12.6046%				12.6046%				12.6046%				12.6046%			
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	12.6046%				12.6046%				12.6046%				12.6046%				12.6046%			
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.	731,713				0				878,785				9,752,228				12,406,692			
17	Annual Depreciation Exp from Attachment 5	9,195				0				6,462				124,069				276,613			
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	92.230	9.195	7.997	109.422.35	0	0	0	0.00	110.768	6.462	19.820	137.049.05	1.229.234	124.069	(12.888)	1.340.414.42	1.563.819	276.613	56.592	1.897.023.96
20	See Calculations for each item below	92,230	9,195	7,997	109,422.35	0	0	0	0.00	110,768	6,462	19,820	137,049.05	1,229,234	124,069	(12,888)	1,340,414.42	1,563,819	276,613	56,592	1,897,023.96

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

Line	Description	PJM Upgrade ID: b2343	PJM Upgrade ID: b1840	PJM Upgrade ID: b2235	PJM Upgrade ID: b2260
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10		West Union	Rider Sub (West Milford)	Monocacy SS	Bartonville SS Capacitor
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%	12.6046%	12.6046%	12.6046%
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	12.6046%	12.6046%	12.6046%	12.6046%
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.	870,675	32,546,443	37,662,858	500,599
17	Annual Depreciation Exp from Attachment 5	18,716	42,840	181,571	4,069

PJM Upgrade ID: b2343 — West Union

Line	Description	Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	109.745	18.716	15.686	144.147.38
20	See Calculations for each item below	109,745	18,716	15,686	144,147.38

PJM Upgrade ID: b1840 — Rider Sub (West Milford)

Line	Description	Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	4.102.363	42.840	210.098	4.355.301.45
20	See Calculations for each item below	4,102,363	42,840	210,098	4,355,301.45

PJM Upgrade ID: b2235 — Monocacy SS

Line	Description	Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	4.747.269	181.571	334.262	5.263.101.80
20	See Calculations for each item below	4,747,269	181,571	334,262	5,263,101.80

PJM Upgrade ID: b2260 — Bartonville SS Capacitor

Line	Description	Return	Depreciation	Reconciliation amount	Revenue
18		Return	Depreciation	Reconciliation amount	Revenue
19	See Calculations for each item below	63.099	4.069	(21.693)	45.474.29
20	See Calculations for each item below	63,099	4,069	(21,693)	45,474.29

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

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Line		PJM Upgrade ID: b1802 & b1608	PJM Upgrade ID: b0555	PJM Upgrade ID: b1943	PJM Upgrade ID: b0376	PJM Upgrade ID: b2364 & b2364.1
10		Mainsburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Conemaugh Capacitor	Squab Hollow SS
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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.	21,272,788	1,354,243	6,738,031	0	18,402,071
17	Annual Depreciation Exp from Attachment 5	53,262	12,554	80,879	0	204,359

Line		b1802 & b1608 Return	b1802 & b1608 Depreciation	b1802 & b1608 **Reconciliation amount**	b1802 & b1608 Revenue	b0555 Return	b0555 Depreciation	b0555 **Reconciliation amount**	b0555 Revenue	b1943 Return	b1943 Depreciation	b1943 **Reconciliation amount**	b1943 Revenue
18													
19	See Calculations for each item below	2.681.359	53.262	(1.082.445)	1.652.175.95	170.698	12.554	35.722	218.972.92	849.305	80.879	378.510	1.308.694.38
20	See Calculations for each item below	2,681,359	53,262	(1,082,445)	1,652,175.95	170,698	12,554	35,722	218,972.92	849,305	80,879	378,510	1,308,694.38

Line		b0376 Return	b0376 Depreciation	b0376 **Reconciliation amount**	b0376 Revenue	b2364 & b2364.1 Return	b2364 & b2364.1 Depreciation	b2364 & b2364.1 **Reconciliation amount**	b2364 & b2364.1 Revenue
18									
19	See Calculations for each item below	0	0	(192.551)	(192.551.15)	2.319.515	204.359	605.430	3.129.303.99
20	See Calculations for each item below	0	0	(192,551)	(192,551.15)	2,319,515	204,359	605,430	3,129,303.99

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

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Line		PJM Upgrade ID: b2362 & b2632.1	PJM Upgrade ID: b2156	PJM Upgrade ID: b2546	PJM Upgrade ID: b2545	PJM Upgrade ID: b2441	PJM Upgrade ID: b2547.1	PJM Upgrade ID: b2475	PJM Upgrade ID: b1991
10		Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Richwood Hill	Erie South	Joffre Sub	Oak Mound	**Farmers Valley Substation**
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No	No	No	No	No	No	No	No
13	Input the allowed ROE	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%	12.6046%
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.	30,994,970	1,748,340	1,851,427	4,233,832	26,305,616	2,566,806	42,462,787	21,617,690
17	Annual Depreciation Exp from Attachment 5	342,313	17,013	803	0	0	0	0	0

Line		Return (b2362 & b2632.1)	Depreciation	**Reconciliation amount**	Revenue	Return (b2156)	Depreciation	**Reconciliation amount**	Revenue
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	3.906.805	342.313	405.240	4.654.358.75	220.372	17.013	83.960	321.345.82
20	See Calculations for each item below	3,906,805	342,313	405,240	4,654,358.75	220,372	17,013	83,960	321,345.82

Line		Return (b2546)	Depreciation	**Reconciliation amount**	Revenue	Return (b2545)	Depreciation	**Reconciliation amount**	Revenue
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	233.366	803	(18.663)	215.505.95	533.659	0	0	533.659.39
20	See Calculations for each item below	233,366	803	(18,663)	215,505.95	533,659	0	0	533,659.39

Line		Return (b2441)	Depreciation	**Reconciliation amount**	Revenue	Return (b2547.1)	Depreciation	**Reconciliation amount**	Revenue
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	3.315.729	0	0	3.315.729.00	323.537	0	0	323.536.79
20	See Calculations for each item below	3,315,729	0	0	3,315,729.00	323,537	0	0	323,536.79

Line		Return (b2475)	Depreciation	**Reconciliation amount**	Revenue	Return (b1991)	Depreciation	**Reconciliation amount**	Revenue
18		Return	Depreciation	**Reconciliation amount**	Revenue	Return	Depreciation	**Reconciliation amount**	Revenue
19	See Calculations for each item below	5.352.283	0	0	5.352.282.62	2.724.833	0	0	2.724.832.69
20	See Calculations for each item below	5,352,283	0	0	5,352,282.62	2,724,833	0	0	2,724,832.69

Line		Total	Incentive Charged	Revenue Credit	
18		Total	Incentive Charged	Revenue Credit	$8.881.314.62
19	See Calculations for each item below	246.451.926.62		246.451.926.62	**Ax A Line 148**
20	See Calculations for each item below	255,333,241.24	255,333,241.24		

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

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

	t=N	(a) Issue Date	(b) Maturity Date	(c) ORIGINAL ISSUANCE	(d) Net Proceeds At Issuance	(e) Net Amount Outstanding at t=N	(f) Months Outstanding at t=N	(g) Average Net Outstanding in Year* z*	(h) Weighted Outstanding Ratios	(i) Effective Cost Rate (Tables 2 and 3)	(j) Weighted Debt Cost at t = N (h) * (i)	
	Long Term Debt (12/31/2016											
	First Mortgage Bonds:											
(1)	3.85%, Senior Unsecured Notes	12/11/2014	6/1/2025	$ 550.000.000	$ 545.247.429	$ 546.170.013	12	$546.170.013.43	88.00%	3.95%	3.48%	
(2)	3.76%, Senior Unsecured Notes	10/16/2015	5/30/2025	$ 75.000.000	$ 74.437.766	$ 74.508.370	12	$ 74.508.369.87	12.004%	3.85%	0.46%	
	Total			$ 625,000,000		$ 620,678,383		$ 620,678,383	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.
* z = Average of monthly balances for months outstanding during the year (averge of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).
Interim (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 (7.03%).
** 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

	Long Term Debt Is	Affiliate	(aa) Issue Date	(bb) Maturity Date	(cc) Amount Issued	(dd) (Discount) Premium at Issuance	14	(ee) Issuance Expense	(ff) Loss/Gain on Reacquired 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 Unsecure	No	12/11/2014	6/1/2025	$ 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	5/30/2025	75.000.000			562.234			$ 74.437.766	99.2504	0.0376	$ 2.820.000	3.85%
														-	
	TOTALS				$ 625.000.000	(418.000)		$ 4.896.805	-	xxx	$ 619.685.195			$ 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 t=0 Cashflow C_o equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ($C_{t=1}$, $C_{t=2}$, 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**

Internal Rate of Return[1] **4.886348%**

Based on following Financial Formula[2]**:**

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint ($275,000)

	2008	2008	2008	2008	2009	2010	2011	2012	2013	2014	2015
LIBOR Rate	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Spread	.	.	.	.	.	.	.	.	.	.	.
Interest Rate	6.13%	3.86%	4.05%	4.34%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%
Bond $450M Interest Rate	$ 450,000,000					4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	$ 350,000,000	Draw 1	DONE			3.249%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 2, 3, 4	DONE			3.247%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 5	DONE			3.251%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 6	DONE - Roll over Draw 1 and 4			3.316%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 7	DONE			3.361%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 8	DONE - Roll over Draw 2, 3 and 5			3.422%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 9	DONE			3.417%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 10	DONE			3.348%	4.50%	6.21%			
Revolver Interest Rate	$ 350,000,000	Draw 11	DONE - Roll over Draw 6 and 9			3.498%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 12	DONE - Roll over Draw 10			3.418%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 13	DONE - Roll over Draw 7 and 8			3.398%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 14	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 15	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 16	DONE - Roll over Draw 11			3.289%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 17	DONE			3.248%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 17A	DONE - Roll over Draw 12, 14 and 15			3.286%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 18	DONE - Roll over Draw 13 and 17			3.286%	4.50%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 19	DONE				3.283%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 20	DONE - Roll over Draw 16				3.304%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 21	DONE - Roll over Draw 17A and 19				3.312%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 22	DONE - Roll over Draw 18				3.312%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 23	DONE				3.222%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 24	DONE Roll over Draw 20				3.213%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 25	DONE Roll over Draw 21, 22 and 23				3.174%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 26	DONE Roll over Draw 25				3.169%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 27	DONE - Pay off Draw 26				3.196%	6.21%			
Revolver Interest Rate	$ 450,000,000	Draw 28	DONE				1.936%	6.21%			

				GL '224100		GL '820204	GL '181100/654106	GL '820202			
(A)	(B)	(C)	(D)	(E)		(F)	(G)	(H)	(I)		
Year		**Capital Expenditures**	**Principle Drawn In Quarter ($000's)**	**Principle Drawn To Date**	**Outstanding Debt Balance**	**Interest Expense**	**Origination Fees**	**Commitment**	**Net Cash Flows (D-F-G-H)**	**Interest at effective rate**	**Amortization of origination fees and commitment fees**
2008											
12/24/2007	Q4	68,183,000	10,000,000	10,000,000	10,000,000		734,955.02		9,265,045	-	-
01/31/2008	Q1			10,000,000	9,265,045		31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	9,280,164		69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	9,215,438		137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	9,217,710		2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	9,242,502		125,384.16		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	9,123,160	155,047.57			(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	8,990,797		17,011.00		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	8,982,016		197,269.56		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	8,820,035		109,824.88		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	8,732,141	97,477.43			(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	8,674,702		43,098.82		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	8,635,005		13,267.50		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	8,626,253		1,577.79		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	8,668,760		62,776.98		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	8,611,650	59,689.48	7,780,953.85		47,159,357	2,251	(57,438)
8/20/2008	Q3			65,000,000	55,773,258		530.00		(530)	36,461	36,461
8/25/2008	Q3			65,000,000	55,809,189		15,125.00		(15,125)	36,485	36,485
9/3/2008	Q3			65,000,000	55,830,549		82,654.66		(82,655)	65,714	65,714
9/8/2008	Q3			65,000,000	55,813,609		1,957.50		(1,958)	36,487	36,487
9/11/2008	Q3			65,000,000	55,848,138		41,845.84		(41,846)	21,903	21,903
9/15/2008	Q3		(20,000,000)	45,000,000	55,828,196	243,199.31			(20,243,199)	29,196	(214,004)
9/25/2008	Q3			45,000,000	35,614,192		7,525.25		(7,525)	46,580	46,580
9/29/2008	Q3			45,000,000	35,653,247		98,058.08		(98,058)	18,645	18,645
9/30/2008	Q3	24,995,000		45,000,000	35,573,834		18,136.90	235,520.83	(253,658)	4,650	4,650
10/2/2008	Q4		20,000,000	65,000,000	35,324,826			78,506.96	19,921,493	9,235	9,235
10/17/2008	Q4			65,000,000	55,255,554		2,030.03		(2,030)	108,439	108,439
10/29/2008	Q4			65,000,000	55,361,963		266.90		(267)	86,901	86,901
11/19/2008	Q4			65,000,000	55,448,597		96,048.71		(96,049)	152,404	152,404
11/21/2008	Q4			65,000,000	55,504,952		730.00		(730)	14,511	14,511

Trans-Allegheny Interstate Line Company

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

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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**

Internal Rate of Return[1] **4.886348%**

Based on following Financial Formula[2]**:**

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint ($275,000)

	12/15/2008	Q4		25,000,000	90,000,000	55,518,734	718,999.31			24,281,001	174,431	(544,569)
(1)	1/6/2009	Q1	42,068,000	-	90,000,000	79,974,165	-		618,333.53	(618,334)	230,297	230,297
	2/17/2009	Q1		30,000,000	120,000,000	79,586,128	-		-	30,000,000	438,097	438,097
	3/16/2009	Q1	75,475,000	40,000,000	160,000,000	110,024,225	933,987.50			39,066,013	388,964	(545,023)
	3/25/2009	Q1		-	160,000,000	149,479,202			1,100,000.00	(1,100,000)	175,942	175,942
	4/8/2009	Q2		-	160,000,000	148,555,144			549,166.67	(549,167)	272,085	272,085
	5/15/2009	Q2		50,000,000	210,000,000	148,278,062				50,000,000	718,820	718,820
	6/16/2009	Q2		40,000,000	250,000,000	198,996,882	1,405,039.11			38,594,961	834,057	(570,982)
	6/30/2009	Q2		-	250,000,000	238,425,899				-	436,686	436,686
	7/31/2009	Q3		-	250,000,000	238,862,586			453,194.44	(453,194)	969,797	969,797
	8/3/2009	Q3		30,000,000	280,000,000	239,379,188				30,000,000	93,882	93,882
	9/4/2009	Q3		50,000,000	330,000,000	269,473,071				50,000,000	1,129,444	1,129,444
	9/16/2009	Q3		-	330,000,000	320,602,515	1,596,826.11			(1,596,826)	503,245	(1,093,581)
	10/5/2009	Q4		45,000,000	375,000,000	319,508,934	207,916.06			44,792,084	794,450	586,534
	10/16/2009	Q4			375,000,000	365,095,468			321,250.00	(321,250)	525,294	525,294
	11/5/2009	Q4		30,000,000	405,000,000	365,299,512	-			30,000,000	956,176	956,176
	12/4/2009	Q4		50,000,000	455,000,000	396,255,688				50,000,000	1,504,831	1,504,831
	12/16/2009	Q4	73,715,000	-	455,000,000	447,760,519	1,374,479.16			(1,374,479)	702,843	(671,636)
	1/4/2010	Q1			455,000,000	447,088,883			138,489.58	(138,490)	1,111,675	1,111,675
	1/5/2010	Q1		30,000,000	485,000,000	448,062,068	892,331.11			29,107,669	58,568	(833,764)
	1/15/2010	Q1		-	485,000,000	477,228,304	440,625.00			(440,625)	624,167	183,542
	1/25/2010	Q1		(485,000,000)	-	477,411,847	423,000.00		18,489.58	(485,441,490)	624,407	201,407
	1/25/2010	Q1		450,000,000	450,000,000	(7,405,236)		4,533,000.00		445,467,000	-	-
	1/25/2010	Q1		45,000,000	495,000,000	438,061,764		5,852,578.67		39,147,421	-	-
	1/27/2010	Q1			495,000,000	477,209,186		6,979.59		(6,980)	124,763	124,763
	2/3/2010	Q1			495,000,000	477,326,969		58,000.00		(58,000)	436,922	436,922
	2/3/2010	Q1			495,000,000	477,705,891		5,500.00		(5,500)	-	-
	2/5/2010	Q1			495,000,000	477,700,391		82,116.73	2,934.74	(85,051)	124,892	124,892
	2/12/2010	Q1		20,000,000	515,000,000	477,740,231				20,000,000	437,300	437,300
	2/24/2010	Q1			515,000,000	498,177,531		23,770.00		(23,770)	781,982	781,982
	3/10/2010	Q1		30,000,000	545,000,000	498,935,743		90,000.00		29,910,000	913,821	913,821
	3/17/2010	Q1		-	545,000,000	529,759,564		195,720.20		(195,720)	484,916	484,916
	3/26/2010	Q1		20,000,000	565,000,000	530,048,759		17,821.04		19,982,179	623,885	623,885
	4/1/2010	Q2			565,000,000	550,654,823			255,416.67	(255,417)	432,008	432,008
	4/5/2010	Q2			565,000,000	550,831,415		123,660.90		(123,661)	288,060	288,060
	4/7/2010	Q2			565,000,000	550,995,814		201,250.00		(201,250)	144,054	144,054
	4/8/2010	Q2			565,000,000	550,938,618		224,587.75		(224,588)	72,015	72,015
	4/12/2010	Q1		30,000,000	595,000,000	550,786,045				30,000,000	288,036	288,036
	4/14/2010	Q2			595,000,000	581,074,082		194,134.74		(194,135)	151,918	151,918
	4/21/2010	Q2			595,000,000	581,031,865		18,977.41		(18,977)	531,848	531,848
	4/26/2010	Q2		(65,000,000)	530,000,000	581,544,735	369,573.75			(65,369,574)	380,177	10,603
	4/26/2010	Q2		65,000,000	595,000,000	516,555,339	55,920.56			64,944,079	-	(55,921)
	4/28/2010	Q2			595,000,000	581,499,418	-	2,300.79		(2,301)	152,029	152,029
	4/30/2010	Q2			595,000,000	581,649,147		2,156.70		(2,157)	152,068	152,068
	5/7/2010	Q2		30,000,000	625,000,000	581,799,058				30,000,000	532,550	532,550
	5/12/2010	Q2		(80,000,000)	545,000,000	612,331,608				(80,000,000)	400,304	400,304
	5/12/2010	Q2		80,000,000	625,000,000	532,731,912	160,694.44			79,839,306	-	(160,694)
	5/12/2010	Q2			625,000,000	612,571,218	81,275.00			(81,275)	-	(81,275)
	5/12/2010	Q2			625,000,000	612,489,943	170,100.00			(170,100)	-	(170,100)
	5/20/2010	Q2			625,000,000	612,319,843		182,500.00		(182,500)	640,599	640,599
	5/26/2010	Q2		20,000,000	645,000,000	612,777,942				20,000,000	480,746	480,746
	6/14/2010	Q2			645,000,000	633,258,687		150,071.58		(150,072)	1,574,581	1,574,581
	7/1/2010	Q3			645,000,000	634,683,197			230,764	(230,764)	1,411,820	1,411,820
	7/2/2010	Q3			645,000,000	635,864,253		1,168.50	-	(1,169)	83,116	83,116
	7/7/2010	Q3		35,000,000	680,000,000	635,946,200				35,000,000	415,741	415,741
	7/15/2010	Q3			680,000,000	671,361,942	8,500,000.00			(8,500,000)	702,368	(7,797,632)
	7/26/2010	Q3		(65,000,000)	615,000,000	663,564,309				(65,000,000)	954,726	954,726
	7/26/2010	Q3		(20,000,000)	595,000,000	599,519,036				(20,000,000)	-	-
	7/26/2010	Q3		115,000,000	710,000,000	579,519,036				115,000,000	-	-
	7/26/2010	Q3			710,000,000	694,519,036	115,798.33			(115,798)	-	(115,798)
	7/26/2010	Q2			710,000,000	694,403,237	544,837.22		-	(544,837)	-	(544,837)
	8/9/2010	Q3		(35,000,000)	675,000,000	693,858,400	107,415.00			(35,107,415)	1,270,829	1,163,414
	8/9/2010	Q3		35,000,000	710,000,000	660,021,814	-			35,000,000	-	-
	8/12/2010	Q3		(30,000,000)	680,000,000	695,021,814	271,680.83			(30,271,681)	272,581	900
	8/12/2010	Q3		(80,000,000)	600,000,000	665,022,714	699,608.89			(80,699,609)	-	(699,609)
	8/12/2010	Q3		110,000,000	710,000,000	584,323,106	-			110,000,000	-	-
	8/30/2010	Q3			710,000,000	694,323,106	-	407,816.09		(407,816)	1,635,445	1,635,445
	9/7/2010	Q3		30,000,000	740,000,000	695,550,735	-			30,000,000	727,674	727,674
	9/26/2010	Q3		-	740,000,000	726,278,408	-			-	1,805,872	1,805,872
	10/1/2010	Q4			740,000,000	728,084,280			**162,778**	(162,778)	475,975	475,975
	10/8/2010	Q4		30,000,000	770,000,000	728,397,478	-			30,000,000	666,739	666,739
	10/26/2010	Q4		(115,000,000)	655,000,000	759,064,217	1,028,023.33			(116,028,023)	1,787,940	759,916
	10/26/2010	Q4		115,000,000	770,000,000	644,824,133	-			115,000,000	-	-
	11/5/2010	Q4		30,000,000	800,000,000	759,824,133	-			30,000,000	993,774	993,774
	11/9/2010	Q4		(35,000,000)	765,000,000	790,817,908	305,721.11			(35,305,721)	413,562	107,841
	11/9/2010	Q4		(30,000,000)	735,000,000	755,925,749	171,937.50			(30,171,938)	-	(171,938)
	11/9/2010	Q4		(30,000,000)	705,000,000	725,753,811	86,853.33			(30,086,853)	-	(86,853)
	11/9/2010	Q4		95,000,000	800,000,000	695,666,958				95,000,000	-	-
	11/12/2010	Q4		(110,000,000)	690,000,000	790,666,958	955,215.56			(110,955,216)	310,092	(645,123)
	11/12/2010	Q4		(30,000,000)	660,000,000	680,021,835	18,946.67			(30,018,947)	-	(18,947)
	11/12/2010	Q4		140,000,000	800,000,000	650,002,888	5.83			139,999,994	-	(6)
	12/6/2010	Q4		20,000,000	820,000,000	790,002,882				20,000,000	2,482,059	2,482,059
	12/23/2010	Q4			820,000,000	812,484,941		8,281.46		(8,281)	1,807,331	1,807,331
	1/3/2011	Q1			820,000,000	814,283,991			140,277.78	(140,278)	1,171,579	1,171,579
	1/18/2011	Q1		-	820,000,000	815,315,292	9,000,000			(9,000,000)	1,600,050	(7,399,950)
	1/26/2011	Q1		(115,000,000)	705,000,000	807,915,342	966,600.56			(115,966,601)	845,228	(121,373)
	1/26/2011	Q1		115,000,000	820,000,000	692,793,969				115,000,000	-	-
	2/9/2011	Q1		(20,000,000)	800,000,000	807,793,969	118,552.78			(20,118,553)	1,479,507	1,360,954

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**

Internal Rate of Return[1] **4.886348%**

Based on following Financial Formula[2]:

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

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

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		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	4,659,577
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			171,736.11	(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			290,416.67	(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			(9,000,000)	7,874,847	(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
2015 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	3,297,494.28	January 1, 2015
	478437863	35500	Line Construction 1	(3,301,640.06)	February 1, 2015
	478437863	35500	Line Construction 1	1,752,325.86	March 1, 2015
	478437863	35500	Line Construction 1	1,123.93	April 1, 2015
	478437863	35500	Line Construction 1	384.21	May 1, 2015
	478437863	35500	Line Construction 1	142.52	June 1, 2015
	478437863	35500	Line Construction 1	(779,263.02)	July 1, 2015
	478437863	35500	Line Construction 1	782,657.00	August 1, 2015
	478437863	35500	Line Construction 1	30,910.91	September 1, 2015
	478437863	35500	Line Construction 1	98.17	November 1, 2015
	478437863	35500	Line Construction 1	0.72	December 1, 2015
			Total	1,784,234.52	
13412255	478229242	35500	Line Construction 2	428.40	January 1, 2015
	478229242	35500	Line Construction 2	(4,513.80)	February 1, 2015
	478229242	35500	Line Construction 2	(1,323.72)	March 1, 2015
	478229242	35500	Line Construction 2	541.18	April 1, 2015
	478229242	35500	Line Construction 2	3,755.44	May 1, 2015
	478229242	35500	Line Construction 2	2,629.29	June 1, 2015
	478229242	35500	Line Construction 2	2,765,079.64	July 1, 2015
	478229242	35500	Line Construction 2	(1,802,761.04)	August 1, 2015
	478229242	35500	Line Construction 2	(28,811.49)	September 1, 2015
	478229242	35500	Line Construction 2	2,376.62	October 1, 2015
	478229242	35500	Line Construction 2	17,436.46	November 1, 2015
	478229242	35500	Line Construction 2	4,728.96	December 1, 2015
			Total	959,565.94	
13419997	478541318	35500	Line Construction 3	7,206.68	January 1, 2015
	478541318	35500	Line Construction 3	(7,206.68)	February 1, 2015
	478541318	35500	Line Construction 3	(1,455.68)	July 1, 2015
	478541318	35500	Line Construction 3	1,455.68	August 1, 2015
			Total	0.00	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2015 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		
13418659	478437918	35500	Line Construction 5	919,518.29	January 1, 2015
	478437918	35500	Line Construction 5	(920,669.38)	February 1, 2015
	478437918	35500	Line Construction 5	488,639.81	March 1, 2015
	478437918	35500	Line Construction 5	(300,400.74)	July 1, 2015
	478437918	35500	Line Construction 5	301,709.90	August 1, 2015
	478437918	35500	Line Construction 5	11,857.91	September 1, 2015
			Total	500,655.79	
13418878	478439181	35500	Line Construction 13	(48,744.43)	June 1, 2015
	478439181	35500	Line Construction 13	36,737.56	July 1, 2015
	478439181	35500	Line Construction 13	12,503.64	August 1, 2015
	478439181	35500	Line Construction 13	499.77	September 1, 2015
			Total	996.54	
13418900	478439187	35500	Line Construction 14	(59,189.66)	June 1, 2015
	478439187	35500	Line Construction 14	47,322.94	July 1, 2015
	478439187	35500	Line Construction 14	12,458.12	August 1, 2015
	478439187	35500	Line Construction 14	499.77	September 1, 2015
			Total	1,091.17	
13418901	478439208	35500	Line Construction 15	(50,643.56)	June 1, 2015
	478439208	35500	Line Construction 15	38,662.17	July 1, 2015
	478439208	35500	Line Construction 15	12,495.36	August 1, 2015
	478439208	35500	Line Construction 15	499.77	September 1, 2015
			Total	1,013.74	
13416100	478316423	35500	Line Construction 16	(154,576.81)	June 1, 2015
	478316423	35500	Line Construction 16	113,173.33	July 1, 2015
	478316423	35500	Line Construction 16	44,625.31	August 1, 2015
	478316423	35500	Line Construction 16	1,958.94	September 1, 2015
	478316423	35500	Line Construction 16	392.70	October 1, 2015
	478316423	35500	Line Construction 16	67.35	November 1, 2015
			Total	5,640.82	
13419823	478518838	35300	SS Construction 4	323,629.25	January 1, 2015
	478518838	35300	SS Construction 4	(324,034.38)	February 1, 2015
	478518838	35300	SS Construction 4	171,979.33	March 1, 2015
	478518838	35300	SS Construction 4	(98,581.91)	July 1, 2015
	478518838	35300	SS Construction 4	99,011.53	August 1, 2015
	478518838	35300	SS Construction 4	3,891.38	September 1, 2015
			Total	175,895.20	
13421050	484756194	35300	SS Construction 17	89.19	May 1, 2015
	484756194	35300	SS Construction 17	(945,011.47)	June 1, 2015
	484756194	35300	SS Construction 17	691,619.79	July 1, 2015
	484756194	35300	SS Construction 17	263,109.77	August 1, 2015
	484756194	35300	SS Construction 17	10,502.69	September 1, 2015
			Total	20,309.97	
14083631	686847146	35620	2014 TREP (Trail) Engineering	(772,990.02)	January 1, 2015
	686847146	35620	2014 TREP (Trail) Engineering	134,225.44	February 1, 2015
	686847146	35620	2014 TREP (Trail) Engineering	(71,328.54)	March 1, 2015
	686847146	35620	2014 TREP (Trail) Engineering	(62,384.03)	October 1, 2015
	686847146	35620	2014 TREP (Trail) Engineering	(420.14)	November 1, 2015
	686847146	35620	2014 TREP (Trail) Engineering	(3.73)	December 1, 2015
			Total	(772,901.02)	
			Total 502 Junction to Territorial Line	2,676,502.67	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2015 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		
			Other Projects		
14516970	710349743	35500	138-kV Loop to Rider Sub	2,497,572.04	November 1, 2015
	710349743	35500, 35610	138-kV Loop to Rider Sub	63,694.92	December 1, 2015
			Total	2,561,266.96	
14181583	760103602	35610	502 Jct-Mt. Storm Span 215-217 Cond	12,894.34	August 1, 2015
	760103602	35610	502 Jct-Mt. Storm Span 215-217 Cond	429.32	September 1, 2015
			Total	13,323.66	
13419076	478440131	35300	Wylie Ridge SS: Install	252.26	August 1, 2015
13356601	506387055	35300	Altoona Sub - Install 250 MVAR SVC	180.64	January 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	208.30	February 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	160.03	March 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	169.41	April 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	162.04	May 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	0.35	June 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	(3.51)	July 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	0.53	September 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	5.15	October 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	0.26	November 1, 2015
	506387055	35300	Altoona Sub - Install 250 MVAR SVC	1,311,543.73	December 1, 2015
			Total	1,312,426.93	
13806707	519318731	35300	Armstrong SS: New 345-138 kv Yard	1,776.09	January 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(553.26)	February 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(184.73)	March 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(193.01)	April 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	34.25	May 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(7.55)	June 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(8,955.83)	July 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	4.14	August 1, 2015
	519318731	35300	Armstrong SS: New 345-138 kv Yard	(1.03)	October 1, 2015
			Total	(8,080.93)	
14265429	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	154,327.14	May 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	10,490.28	June 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	1,218.80	July 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	181,128.98	August 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	2,203.62	September 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	130,983.79	October 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	64,579.99	November 1, 2015
	654797117	35300	Bartonville 138 kV 32.4 Cap Topside	0.69	December 1, 2015
			Total	544,933.29	
13625256	504032903	35300	Buffalo Road 115kV SN -Install a 50	42.14	February 1, 2015
	504032903	35300	Buffalo Road 115kV SN -Install a 50	(22.39)	March 1, 2015
	504032903	35300	Buffalo Road 115kV SN -Install a 50	1,002.18	May 1, 2015
	504032903	35300	Buffalo Road 115kV SN -Install a 50	6,020.66	June 1, 2015
	504032903	35300	Buffalo Road 115kV SN -Install a 50	(81.17)	July 1, 2015
			Total	6,961.42	
13123150	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	10,399.61	January 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	36,631.36	February 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	(5,434.62)	March 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	17,933.13	April 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	988.20	May 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	(11,289.95)	June 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	(29.69)	July 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	0.38	August 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	1,501.62	September 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	6.77	October 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	0.45	November 1, 2015
	511281973	35500, 35610	Build 230kV Line - Conemaugh to Sew	90.45	December 1, 2015
			Total	50,797.71	
14571278	723644451	35300	Capital Replacement Program - Tran	342,794.87	October 1, 2015
13969059	527945981	35300	Carbon Center SS: Install 230kV Bre	6,844.31	February 1, 2015
13557832	499632369	35300	Commercial	16,679.53	September 1, 2015

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			TrAIL Projects		
13123835	542480347	35300	Conemaugh - Install 3 single phase	13,586.11	February 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	(4,587.74)	March 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	(46.97)	April 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	(35.13)	May 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	32.73	June 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	1,550.15	July 1, 2015
	542480347	35300	Conemaugh - Install 3 single phase	(6.60)	August 1, 2015
			Total	10,492.55	
13695717	511415980	35300	Doubs SS - Install #2 Cap (TrAIL)	590.03	February 1, 2015
13575877	500926008	35300	Doubs SS - Install #4 Cap (TrAIL)	(72.20)	April 1, 2015
	500926008	35300	Doubs SS - Install #4 Cap (TrAIL)	183.68	September 1, 2015
	500926008	35300	Doubs SS - Install #4 Cap (TrAIL)	1,521.94	October 1, 2015
	500926008	35300	Doubs SS - Install #4 Cap (TrAIL)	(26,274.64)	November 1, 2015
			Total	(24,641.22)	
13316638	511281421	35210, 35300	Farmers Valley-Add 27.6 MVAR 121 kV	15.59	March 1, 2015
13241102	499618586	35300	Four Mile Junction 230/115kV Substa	80,501.06	January 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	73,705.84	February 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	(27,553.50)	March 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	51,751.86	April 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	(45,046.63)	May 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	(1,518.05)	June 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	1,319.85	July 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	(16,598.06)	August 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	477.90	September 1, 2015
	499618586	35300	Four Mile Junction 230/115kV Substa	179.43	October 1, 2015
			Total	117,219.71	
13632172	504740994	35300	Grand Point Substation - Install 2n	345.04	January 1, 2015
	504740994	35300	Grand Point Substation - Install 2n	(0.43)	February 1, 2015
	504740994	35300	Grand Point Substation - Install 2n	249.42	March 1, 2015
			Total	594.03	
14560598	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	920,319.97	July 1, 2015
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	(31,025.94)	August 1, 2015
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	(1,165.94)	September 1, 2015
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	(51,875.45)	October 1, 2015
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	46,795.86	November 1, 2015
	719157878	35300	Grover Sub - Install a 47.7 MVAR 24	(4,786.35)	December 1, 2015
			Total	878,262.15	
13632180	504741016	35300	Guilford Substation - Install 2nd 1	1.31	January 1, 2015
	504741016	35300	Guilford Substation - Install 2nd 1	65.34	April 1, 2015
			Total	66.65	
13744988	514254724	35610	Handsome Lake - Homer City 345kV	(88.00)	January 1, 2015
	514254724	35610	Handsome Lake - Homer City 345kV	(251,393.95)	April 1, 2015
	514254724	35610	Handsome Lake - Homer City 345kV	4.39	May 1, 2015
	514254724	35610	Handsome Lake - Homer City 345kV	0.08	July 1, 2015
	514254724	35610	Handsome Lake - Homer City 345kV	1.41	October 1, 2015
			Total	(251,476.07)	
13450738	508029758	35300	Hunterstown: 500kV SVC - install	52.58	January 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	35.91	February 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	(13.18)	March 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	66.11	April 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	282.76	May 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	21.73	June 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	56.37	July 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	(106.54)	September 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	0.55	November 1, 2015
	508029758	35300	Hunterstown: 500kV SVC - install	4.52	December 1, 2015
			Total	400.81	

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			TrAIL Projects		
13627505	545322699	35300	Johnstown Substation - Install 2nd	41.49	January 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	(46.54)	February 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	(9.00)	March 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	(25.72)	April 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	16.14	May 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	0.64	June 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	10.10	July 1, 2015
	545322699	35300	Johnstown Substation - Install 2nd	(0.11)	August 1, 2015
			Total	(13.00)	
13627512	504570748	35300	Johnstown Substation - Install 2nd	(95.42)	January 1, 2015
	504570748	35300	Johnstown Substation - Install 2nd	(2,110.15)	March 1, 2015
			Total	(2,205.57)	
13526185	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	(2,920.64)	January 1, 2015
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	143.28	March 1, 2015
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	1.65	April 1, 2015
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	1.24	May 1, 2015
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	5,781.96	July 1, 2015
	495300103	35300	Kammer SS:T2 Xfmr Trans Maint	(25.19)	August 1, 2015
			Total	2,982.30	
14754065	775778834	35011	Land Purchase-Pierce Brook Substati	846,033.97	November 1, 2015
13534502	679497206	35400, 35500, 35610	Loop Homer City-Handsome Lake to Ar	(1,059.11)	July 1, 2015
	679497206	35400, 35610	Loop Homer City-Handsome Lake to Ar	1.41	October 1, 2015
			Total	(1,057.70)	
13584710	501418347	35300	Luxor 138 kV - Install 44 Mvar Capa	70.57	April 1, 2015
14800225	784695299	35011, 35300	Mainesburg 345kV Line	521,564.90	September 1, 2015
13302963	511281437	35300	Mansfield-Everts Dr-Build new 345/1	20,344,117.10	November 1, 2015
	511281437	35300	Mansfield-Everts Dr-Build new 345/1	(160,963.93)	December 1, 2015
			Total	20,183,153.17	
13695951	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	389,334.75	January 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	90,040.45	February 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	29,104.09	March 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	26,478.33	April 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	43,118.41	May 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	(12.50)	June 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	9.47	July 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	12.50	August 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	50.00	September 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	(38.50)	October 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	(17.75)	November 1, 2015
	511416938	35300	Meadowbrook SS - Inst SVC Facilitie	(6.25)	December 1, 2015
			Total	578,073.00	
13448261	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	(9,878.95)	January 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	100,289.63	February 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	(298,256.28)	March 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	6,703.89	April 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	(168,723.78)	May 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	46.43	June 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	848.26	July 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	(98.54)	August 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	450.28	September 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	722.36	October 1, 2015
	486072606	35300	Meadowbrook SS - Install SVC (TrAIL	4,276.93	December 1, 2015
			Total	(363,619.77)	

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			TrAIL Projects		
13729656	654797192	35300	Mobley SS: Add Capacitor	1,519,702.98	February 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	(1,203.93)	March 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	0.81	April 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	493.56	May 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	804.65	June 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	7.03	July 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	(0.07)	August 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	35.95	September 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	33.66	October 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	5.61	November 1, 2015
	654797192	35300	Mobley SS: Add Capacitor	0.03	December 1, 2015
			Total	1,519,880.28	
14203470	540946841	35300	Monocacy SS - Inst. SVC Facilities	23,739,606.65	September 1, 2015
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(19,119,597.20)	October 1, 2015
	540946841	35300	Monocacy SS - Inst. SVC Facilities	210,860.11	November 1, 2015
	540946841	35300	Monocacy SS - Inst. SVC Facilities	(9,933.58)	December 1, 2015
			Total	4,820,935.98	
14203423	540946829	35300	Monocacy SS - Install SVC (TrAIL)	5,900,221.73	September 1, 2015
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	19,582,408.30	October 1, 2015
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	(996,637.70)	November 1, 2015
	540946829	35300	Monocacy SS - Install SVC (TrAIL)	84,384.56	December 1, 2015
			Total	24,570,376.89	
13609744	503025824	35300	Moshannon 230 kV - Construct 4 brea	354,657.00	January 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	71,228.46	February 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	(52,373.35)	March 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	14,405.49	April 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	(5,234.33)	May 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	(437.93)	June 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	58.18	July 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	1,395.12	August 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	10,324.18	September 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	1,641.83	October 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	6,872.28	November 1, 2015
	503025824	35300	Moshannon 230 kV - Construct 4 brea	17,332.42	December 1, 2015
			Total	419,869.35	
14492232	696960233	35300	Nyswaner - Install a 51.8 MVAR (47.	917,779.34	December 1, 2015
13411476	478195268	35300	Osage-Whiteley 138kV Line (WV) (b10	(0.01)	January 1, 2015
	478195268	35300	Osage-Whiteley 138kV Line (WV) (b10	0.31	February 1, 2015
			Total	0.30	
13395937	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8-mi new 138	(72,109.80)	January 1, 2015
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8-mi new 138	(17,213.79)	August 1, 2015
			Total	(89,323.59)	
13395935	477989701	35500, 35610, 35620	Osage-Whiteley(WP) - 8.5mi new 138k	(124.22)	July 1, 2015
14199237	540737695	35300	Relay-Waldo Run SS to Lamberton SS	324.81	January 1, 2015
	540737695	35300	Relay-Waldo Run SS to Lamberton SS	(0.57)	February 1, 2015
	540737695	35300	Relay-Waldo Run SS to Lamberton SS	770.12	March 1, 2015
	540737695	35300	Relay-Waldo Run SS to Lamberton SS	8.87	April 1, 2015
	540737695	35300	Relay-Waldo Run SS to Lamberton SS	174.03	May 1, 2015
	540737695	35300	Relay-Waldo Run SS to Lamberton SS	(4.86)	June 1, 2015
			Total	1,272.40	
13885850	523657011	35300	reloc. two spans of grandpoint-cree	15,642.48	April 1, 2015
	523657011	35300	reloc. two spans of grandpoint-cree	(820.33)	June 1, 2015
			Total	14,822.15	
13469732	509201475	35500	Rider 138kV Line ext	8,792,014.94	December 1, 2015
13722842	713632077	35300	Rider SS: Ring Bus & 138 kV Line	1,273,560.93	December 1, 2015

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			TrAIL Projects		
13386253	542482642	35300	Seward 230kV -Conemaugh-Construct N	341.04	January 1, 2015
	542482642	35300	Seward 230kV -Conemaugh-Construct N	(1.00)	February 1, 2015
	542482642	35300	Seward 230kV -Conemaugh-Construct N	(1,504,372.93)	June 1, 2015
			Total	(1,504,032.89)	
13956791	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	2,662,742.13	June 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	(814,438.83)	July 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	(984,725.25)	August 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	899,342.54	September 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	(8,995.31)	October 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	673.27	November 1, 2015
	545747247	35300	Shingletown SS:Inst 75MVAR 230kV Ca	5,128.60	December 1, 2015
			Total	1,759,727.15	
13641031	504991184	35220	Siting work for Armstrong Substation	(74.40)	January 1, 2015
	504991184	35220	Siting work for Armstrong Substation	8,525.86	April 1, 2015
			Total	8,451.46	
13645811	505210064	35210, 35300	SN - Grandview: Install a 31.8 MVAR	0.08	July 1, 2015
13646434	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	785,313.59	July 1, 2015
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	(2.60)	August 1, 2015
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	127,825.08	September 1, 2015
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	(82,067.76)	October 1, 2015
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	(8,733.10)	November 1, 2015
	505239728	35300	SN - Shawville: Install 2-39.7 MVAR	4,775.12	December 1, 2015
			Total	827,110.33	
13646434	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	1,392,548.15	July 1, 2015
	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	1,344.49	August 1, 2015
	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	1,291.47	September 1, 2015
	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	86,343.25	October 1, 2015
	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	(4,034.65)	November 1, 2015
	506387028	35300	SN - Shawville: Install 2-39.7 MVAR	(27.34)	December 1, 2015
			Total	1,477,465.37	
14057705	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	17,018,163.95	May 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	772,714.71	June 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	410,913.48	July 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(138,829.12)	August 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(1,964,840.36)	September 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	2,557,077.79	October 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	10,776.93	November 1, 2015
	534342055	35300	Squab Hollow SS: TrAILCo CIAC/230-	(62,905.82)	December 1, 2015
			Total	18,603,071.56	
14058080	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	32,711,188.03	May 1, 2015
				(286,760.02)	June 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	(1,239,250.96)	July 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	3,199.44	August 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	1,082,418.14	September 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	(1,506,791.22)	October 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	(41,899.91)	November 1, 2015
	534344922	35300	Squab Hollow SS: TrAILCo/CIAC 250MV	7,892.39	December 1, 2015
			Total	30,729,995.89	
14506973	708223521	35300	Squab Hollow:Install 230kv breaker	558,382.00	November 1, 2015
	708223521	35300	Squab Hollow:Install 230kv breaker	11,641.31	December 1, 2015
			Total	570,023.31	
13661476	506017368	35300	SS - Blairsville E.-Replace 138/115	99.73	April 1, 2015
14097794	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	6,396,326.93	June 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	694,468.23	July 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	(1,228,236.21)	August 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	1,381,488.76	September 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	499,281.33	October 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	448,517.82	November 1, 2015
	536139128	35300	SS - Claysburg 115 kV Ring Bus - RT	(816,195.81)	December 1, 2015
			Total	7,375,651.05	

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			TrAIL Projects		
14010237	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	2,426.33	February 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	247.12	March 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	450.40	April 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	5,905.86	May 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	112.67	June 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	1,371.38	July 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	(5.19)	August 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	447.22	September 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	783.79	October 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	113.75	November 1, 2015
	542480815	35300	SS - Conemaugh-Seward 230 kV - Cons	249.99	December 1, 2015
			Total	12,103.32	
13631917	504740949	35300	SS - Johnstown 230kV - Install a 11	1,258,622.34	July 1, 2015
	504740949	35300	SS - Johnstown 230kV - Install a 11	19,341.78	August 1, 2015
	504740949	35300	SS - Johnstown 230kV - Install a 11	4,695.75	September 1, 2015
	504740949	35300	SS - Johnstown 230kV - Install a 11	48,808.66	October 1, 2015
	504740949	35300	SS - Johnstown 230kV - Install a 11	11,424.80	November 1, 2015
	504740949	35300	SS - Johnstown 230kV - Install a 11	(79.67)	December 1, 2015
			Total	1,342,813.66	
13722307	513093955	35011	TrAIL Land for Rider SS Ring Bus	80,987.64	July 1, 2015
13722767	513124964	35300	TrAIL -Rider SS Ring Bus	5,201,875.08	October 1, 2015
	513124964	35300	TrAIL -Rider SS Ring Bus	1,065,248.62	November 1, 2015
	513124964	35300	TrAIL -Rider SS Ring Bus	328,133.60	December 1, 2015
			Total	6,595,257.30	
13721318	513060926	35022	Trail ROW-Rider SS Ring Bus & 138 k	1,292,275.61	December 1, 2015
14020629	530998617	35011	TREP Purchase Land Waldo Run sub	38,897.20	January 1, 2015
	530998617	35011	TREP Purchase Land Waldo Run sub	5,302.04	February 1, 2015
	530998617	35011	TREP Purchase Land Waldo Run sub	1.19	April 1, 2015
			Total	44,200.43	
14082160	536767657	35610	TREP Work at MP 138Kv Glen Falls-La	(192,354.96)	January 1, 2015
	536767657	35400, 35610	TREP Work at MP 138Kv Glen Falls-La	305,457.67	February 1, 2015
	536767657	35400, 35610	TREP Work at MP 138Kv Glen Falls-La	(67.43)	March 1, 2015
	536767657	35400, 35610	TREP Work at MP 138Kv Glen Falls-La	6.18	April 1, 2015
	536767657	35400, 35610	TREP Work at MP 138Kv Glen Falls-La	(150.34)	May 1, 2015
			Total	112,891.12	
14019830	530917549	35300	TREP work at new Waldo Run substati	634,623.21	January 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	(221,532.43)	February 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	190,039.09	March 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	105,017.35	April 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	464,306.00	May 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	(88,764.74)	June 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	198,875.30	July 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	463,586.92	August 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	(357,594.12)	September 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	25,559.60	October 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	(10.67)	November 1, 2015
	530917549	35300	TREP work at new Waldo Run substati	331.58	December 1, 2015
			Total	1,414,437.09	
13419078	478440140	35300	V2-030 Front Royal 500kV Constructi	3,783.90	October 1, 2015
13752842	654797141	35300	West Union SS: Install 138kV Capaci	15.83	January 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	0.02	February 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	17.03	July 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	(0.07)	August 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	16.37	September 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	17.30	October 1, 2015
	654797141	35300	West Union SS: Install 138kV Capaci	2.81	November 1, 2015
			Total	69.29	
13701262	511667989	35300	Yeagertown 230 kV - Install new 230	1,255,530.82	November 1, 2015
	511667989	35300	Yeagertown 230 kV - Install new 230	(116,871.75)	December 1, 2015
			Total	1,138,659.07	
			Total Other Projects	141,470,812.33	
			Total Additions	**144,147,315.00**	

An Exelon Company

Attachement 4B

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May 16, 2016

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")
Informational Filing of 2016 Formula Rate Annual Update in
Docket No. ER09-1158 and Pursuant to Approved
Settlement Agreements in Docket Nos. ER05-515, EL13-48, EL15-27 and
ER16-456, *et al*.

Dear Ms. Bose,

Delmarva hereby submits electronically, for informational purposes, its 2016 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

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[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 2016 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 change is 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.

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[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).
[5] *See* Settlement, Exhibit A containing PJM Tariff Attachment H3-E, Section 2.h.

ATTACHMENT H-3D

Delmarva Power & Light Company

Formula Rate - Appendix A

Shaded cells are input cells

		Notes	FERC Form 1 Page # or Instruction	2015
	Allocators			
	Wages & Salary Allocation Factor			
1	Transmission Wages Expense		p354.21.b	$ 2,768,309
2	Total Wages Expense		p354.28b	$ 37,790,367
3	Less A&G Wages Expense		p354.27b	$ 3,407,632
4	Total		(Line 2 - 3)	34,382,735
5	**Wages & Salary Allocator**		(Line 1 / 4)	**8.0515%**
	Plant Allocation Factors			
6	Electric Plant in Service	(Note B)	p207.104g (see attachment 5)	$ 3,430,855,851
7	Common Plant In Service - Electric		(Line 24)	88,071,964
8	Total Plant In Service		(Sum Lines 6 & 7)	3,518,927,815
9	Accumulated Depreciation (Total Electric Plant)		p219.29c (see attachment 5)	$ 892,238,236
10	Accumulated Intangible Amortization	(Note A)	p200.21c	$ 9,955,634
11	Accumulated Common Amortization - Electric	(Note A)	p356	14,161,633
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	$ 51,400,525
13	Total Accumulated Depreciation		(Sum Lines 9 to 12)	967,756,028
14	Net Plant		(Line 8 - 13)	2,551,171,787
15	Transmission Gross Plant		(Line 29 - Line 28)	1,229,396,887
16	**Gross Plant Allocator**		(Line 15 / 8)	**34.9367%**
17	Transmission Net Plant		(Line 39 - Line 28)	897,303,360
18	**Net Plant Allocator**		(Line 17 / 14)	**35.1722%**
	Plant Calculations			
	Plant In Service			
19	Transmission Plant In Service	(Note B)	p207.58.g	$ 1,207,860,962
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	0
22	**Total Transmission Plant In Service**		(Line 19 - 20 + 21)	**1,207,860,962**
23	General & Intangible		p205.5.g & p207.99.g (see attachment 5)	179,406,848
24	Common Plant (Electric Only)	(Notes A & B)	p356	88,071,964
25	Total General & Common		(Line 23 + 24)	267,478,812
26	Wage & Salary Allocation Factor		(Line 5)	8.05145%
27	**General & Common Plant Allocated to Transmission**		(Line 25 * 26)	**21,535,925**
28	**Plant Held for Future Use (Including Land)**	(Note C)	p214	**0**
29	**TOTAL Plant In Service**		**(Line 22 + 27 + 28)**	**1,229,396,887**
	Accumulated Depreciation			
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	$ 322,619,784
31	Accumulated General Depreciation		p219.28.c (see attachment 5)	$ 42,147,246
32	Accumulated Intangible Amortization		(Line 10)	9,955,634
33	Accumulated Common Amortization - Electric		(Line 11)	14,161,633
34	Common Plant Accumulated Depreciation (Electric Only)		(Line 12)	51,400,525
35	Total Accumulated Depreciation		(Sum Lines 31 to 34)	117,665,038
36	Wage & Salary Allocation Factor		(Line 5)	8.05145%
37	**General & Common Allocated to Transmission**		(Line 35 * 36)	**9,473,743**
38	**TOTAL Accumulated Depreciation**		**(Line 30 + 37)**	**332,093,527**
39	**TOTAL Net Property, Plant & Equipment**		**(Line 29 - 38)**	**897,303,360**
	Adjustment To Rate Base			
	Accumulated Deferred Income Taxes			
40	ADIT net of FASB 106 and 109		Attachment 1	-250,466,040
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative (Notes A & I)	p266.h	-3,168,121
42	Net Plant Allocation Factor		(Line 18)	35.17%
43	**Accumulated Deferred Income Taxes Allocated To Transmission**		(Line 41 * 42) + Line 40	**-251,580,338**
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	-3,471,170
	Prepayments			
45	Prepayments	(Note A)	Attachment 5	14,729,128
46	**Total Prepayments Allocated to Transmission**		(Line 45)	**14,729,128**
	Materials and Supplies			
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	$ 1,270,092
48	Wage & Salary Allocation Factor		(Line 5)	8.051%
49	Total Transmission Allocated		(Line 47 * 48)	102,261
50	Transmission Materials & Supplies		p227.8c	2,649,667
51	**Total Materials & Supplies Allocated to Transmission**		(Line 49 + 50)	**2,751,928**
	Cash Working Capital			
52	Operation & Maintenance Expense		(Line 85)	23,011,797
53	1/8th Rule		x 1/8	12.5%
54	**Total Cash Working Capital Allocated to Transmission**		(Line 52 * 53)	**2,876,475**
	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)	**-234,693,978**
59	**Rate Base**		(Line 39 + 58)	**662,609,383**

O&M

Line	Description	Note	Source	Amount
	Transmission O&M			
60	Transmission O&M		p321.112.b (see attachment 5)	$ 18,064,154
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)	**18,064,154**
	Allocated General & Common Expenses			
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		p323.197.b (see attachment 5)	$ 66,358,630
68a	For informational purposes: PBOB expense in FERC Account 926	(Note S)	Attachment 5	-648,858
69	Less Property Insurance Account 924		p323.185b	414,475
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	3,651,224
71	Less General Advertising Exp Account 930.1		p323.191b	161,759
72	Less DE Enviro & Low Income and MD Universal Funds		p335.b	6,586,524
73	Less EPRI Dues	(Note D)	p352-353	136,301
74	**General & Common Expenses**		(Lines 67 + 68) - Sum (69 to 73)	55,408,347
75	Wage & Salary Allocation Factor		(Line 5)	8.0515%
76	**General & Common Expenses Allocated to Transmission**		(Line 74 * 75)	**4,461,176**
	Directly Assigned A&G			
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	340,687
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	0
79	Subtotal - Transmission Related		(Line 77 + 78)	**340,687**
80	Property Insurance Account 924		p323.185b	414,475
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	0
82	Total		(Line 80 + 81)	**414,475**
83	Net Plant Allocation Factor		(Line 18)	35.17%
84	**A&G Directly Assigned to Transmission**		(Line 82 * 83)	**145,780**
85	**Total Transmission O&M**		**(Line 66 + 76 + 79 + 84)**	**23,011,797**

Depreciation & Amortization Expense

Line	Description	Note	Source	Amount
	Depreciation Expense			
86	Transmission Depreciation Expense		p336.7b&c	28,875,685
86a	Amortization of Abandoned Transmission Plant		Attachment 5	0
87	General Depreciation		p336.10b&c	6,962,923
88	Intangible Amortization	(Note A)	p336.1d&e	136,005
89	Total		(Line 87 + 88)	7,098,928
90	Wage & Salary Allocation Factor		(Line 5)	8.0515%
91	**General Depreciation Allocated to Transmission**		(Line 89 * 90)	**571,567**
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	3,738,403
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0
94	Total		(Line 92 + 93)	3,738,403
95	Wage & Salary Allocation Factor		(Line 5)	8.0515%
96	**Common Depreciation - Electric Only Allocated to Transmission**		(Line 94 * 95)	**300,996**
97	**Total Transmission Depreciation & Amortization**		**(Line 86 + 91 + 96)**	**29,748,247**

Taxes Other than Income

Line	Description	Note	Source	Amount
98	**Taxes Other than Income**		Attachment 2	**7,823,974**
99	**Total Taxes Other than Income**		**(Line 98)**	**7,823,974**

Return / Capitalization Calculations

Line	Description		Note	Source	Amount
	Long Term Interest				
100	Long Term Interest			p117.62c through 67c	$ 50,839,789
101	Less LTD Interest on Securitization Bonds		(Note P)	Attachment 8	0
102	**Long Term Interest**			"(Line 100 - line 101)"	50,839,789
103	**Preferred Dividends**		enter positive	p118.29c	-
	Common Stock				
104	Proprietary Capital			p112.16c	1,227,904,110
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)	1,230,081,889
	Capitalization				
108	Long Term Debt			p112.17c through 21c	1,273,230,000
109	Less Loss on Reacquired Debt		enter negative	p111.81c	-10,083,973
110	Plus Gain on Reacquired Debt		enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss		enter negative	Attachment 1	4,090,232
112	Less LTD on Securitization Bonds	(Note P)	enter negative	Attachment 8	0
113	Total Long Term Debt			(Sum Lines Lines 108 to 112)	1,267,236,259
114	Preferred Stock			p112.3c	0
115	Common Stock			(Line 107)	1,230,081,889
116	**Total Capitalization**			(Sum Lines 113 to 115)	2,497,318,148
117	Debt %	Total Long Term Debt		(Line 113 / 116)	50.74%
118	Preferred %	Preferred Stock		(Line 114 / 116)	0.00%
119	Common %	Common Stock		(Line 115 / 116)	49.26%
120	Debt Cost	Total Long Term Debt		(Line 102 / 113)	0.0401
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)	0.0204
124	Weighted Cost of Preferred	Preferred Stock		(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock		(Line 119 * 122)	0.0517
126	**Total Return (R)**			(Sum Lines 123 to 125)	**0.0721**
127	**Investment Return = Rate Base * Rate of Return**			**(Line 59 * 126)**	**47,758,681**

Composite Income Taxes					
	Income Tax Rates				
128	FIT=Federal Income Tax Rate				35.00%
129	SIT=State Income Tax Rate or Composite		(Note I)		8.56%
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)} =			40.56%
132	T/ (1-T)				68.24%
	ITC Adjustment		(Note I)		
133	Amortized Investment Tax Credit		enter negative	Attachment 1	-86,997
134	T/(1-T)			(Line 132)	68.24%
135	Net Plant Allocation Factor			(Line 18)	35.1722%
136	**ITC Adjustment Allocated to Transmission**			(Line 133 * (1 + 134) * 135)	**-51,480**
137	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		[Line 132 * 127 * (1-(123 / 126))]	**23,385,692**
138	**Total Income Taxes**			**(Line 136 + 137)**	**23,334,212**
REVENUE REQUIREMENT					
	Summary				
139	Net Property, Plant & Equipment			(Line 39)	897,303,360
140	Adjustment to Rate Base			(Line 58)	-234,693,978
141	**Rate Base**			(Line 59)	**662,609,383**
142	O&M			(Line 85)	23,011,797
143	Depreciation & Amortization			(Line 97)	29,748,247
144	Taxes Other than Income			(Line 99)	7,823,974
145	Investment Return			(Line 127)	47,758,681
146	Income Taxes			(Line 138)	23,334,212
147	**Gross Revenue Requirement**			**(Sum Lines 142 to 146)**	**131,676,911**
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
148	Transmission Plant In Service			(Line 19)	1,207,860,962
149	Excluded Transmission Facilities		(Note M)	Attachment 5	0
150	Included Transmission Facilities			(Line 148 - 149)	1,207,860,962
151	Inclusion Ratio			(Line 150 / 148)	100.00%
152	Gross Revenue Requirement			(Line 147)	131,676,911
153	**Adjusted Gross Revenue Requirement**			(Line 151 * 152)	**131,676,911**
	Revenue Credits & Interest on Network Credits				
154	**Revenue Credits**			Attachment 3	7,441,484
155	**Interest on Network Credits**		(Note N)	PJM Data	-
156	**Net Revenue Requirement**			**(Line 153 - 154 + 155)**	**124,235,427**
	Net Plant Carrying Charge				
157	Net Revenue Requirement			(Line 156)	**124,235,427**
158	Net Transmission Plant			(Line 19 - 30)	**885,241,178**
159	Net Plant Carrying Charge			(Line 157 / 158)	**14.0341%**
160	Net Plant Carrying Charge without Depreciation			(Line 157 - 86) / 158	**10.7722%**
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes			(Line 157 - 86 - 127 - 138) / 158	**2.7413%**
	Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE				
162	Net Revenue Requirement Less Return and Taxes			(Line 156 - 145 - 146)	**53,142,534**
163	Increased Return and Taxes			Attachment 4	**76,583,858**
164	Net Revenue Requirement per 100 Basis Point increase in ROE			(Line 162 + 163)	**129,726,392**
165	Net Transmission Plant			(Line 19 - 30)	**885,241,178**
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE			(Line 164 / 165)	**14.6544%**
167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation			(Line 163 - 86) / 165	**11.3925%**
168	**Net Revenue Requirement**			(Line 156)	**124,235,427**
169	True-up amount			Attachment 6	**(7,305,738)**
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects			Attachment 7	**559,389**
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)	**117,489,078**
	Network Zonal Service Rate				
173	1 CP Peak		(Note L)	PJM Data	**4,114**
174	Rate ($/MW-Year)			(Line 172 / 173)	**28,558**
175	**Network Service Rate ($/MW/Year)**			**(Line 174)**	**28,558**

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.

J 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%.

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 Transmisison 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	-	(804,963,127)	-	(804,963,127)
ADIT-283	(3,835,851)	(3,542,121)	(76,293,870)	(83,671,842)
ADIT-190	4,312,000	106,126,789	7,307,458	117,746,247
Subtotal	476,149	(702,378,458)	(68,986,412)	(770,888,722)
Wages & Salary Allocator			8.0515%	
Gross Plant Allocator		34.93669%		
ADIT	476,149	(245,387,782)	(5,554,407)	(250,466,040)
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 (4,090,232)

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	B	C	D	E	F	G
ADIT-190	***Total***	***Gas, Prod Or Other Distribution Related***	***Only Transmission Related***	***Plant Related***	***Labor Related***	***Justification***
Allowance for Doubtful Accounts	8,228,112	8,228,112	-	-	-	Under the Tax Reform Act of 1986, taxpayers were required to switch from the reserve method for bad debts to the specific write-off method. The amounts previously accumulated in a reserve were required to be included in taxable income over a four year period. The reserve method is used for book purposes. Related to all revenues.
Charitable Contributions	1,354,595	1,354,595	-	-	-	PHI's consolidated return is in an NOL situation, therefore, Pepco's charitable contributions are carried forward until such time as PHI is in a taxable income position. For book purposes, the contributions are expensed when incurred. Related to all functions.
Claims Reserve	1,098,178	153,745	-	944,433	-	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.
Deferred ITC	1,698,120	237,737	-	1,460,383	-	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	1,354,432	1,354,432	-	-	-	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.
Merrill Creek	6,099,285	6,099,285	-	-	-	These deferred taxes are the result of rent being recorded ratably over the life of the lease for book purposes. For tax, rent is deductible when economic performance occurs. This asset is Generation related. This contra account represents an adjustment to the Merrill Creek Rent deferred tax generated relating to rent deductible for tax purposes upon economic performance. This represents deferred tax generated as a result of an extraordinary charge deducted for books relating to impaired assets due to the effects of deregulation. For tax purposes, the impairment did not give rise to a tax deduction. Deductions for tax are nondeductable. This contra account represents an adjustment to the Merrill Creek Excess Capacity deferred tax generated relating to impaired assets due to the effects of deregulation.
OPEB	7,544,899	1,056,286	-	-	6,488,613	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.
Other (190)	1,228,032	499,423	-	6,296	722,313	Related to Gas, Production or Other.
Other Labor Related Accruals	7,657,146	1,072,000	-	-	6,585,146	Affects company personnel across all functions.
Reg Liab - FERC Formula Adj.	4,312,000	-	4,312,000	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization.
Reg Liab - Other	5,382,025	5,382,025	-	-	-	Represents various costs which we are, or will be through a future rate case, getting recovery through rate base.
Renewable Energy Credits	4,958,289	4,958,289	-	-	-	Relates to accruals for the purchase of state renewable energy credits.
FAS 109 Deferred Taxes - 190	821,761	115,047	-	706,715	-	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	122,297,744	17,121,684	-	105,176,060	-	PHI's consolidated return is in an NOL situation, therefore NOLs are carried forward until such time as PHI is in a taxable income position. DPL also has stand alone state taxable losses for 2008 forward. Also includes MD NOL of 6.6M that was created from an amended return.
Subtotal - p234	174,034,618	47,632,660	4,312,000	108,293,887	13,796,071	
Less FASB 109 Above if not separately removed	2,519,882	352,783	-	2,167,098	-	
Less FASB 106 Above if not separately removed	7,544,899	1,056,286	-	-	6,488,613	
Total	163,969,838	46,223,591	4,312,000	106,126,789	7,307,458	

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

Delmarva Power & Light Company
Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B	C	D	E	F	G
ADIT- 282	*Total*	*Gas, Prod Or Other Distribution Related*	*Only Transmission*	*Plant*	*Labor*	*Justification*
Plant Related - APB 11 Deferred Taxes	(900,322,918)	(95,359,791)	-	(804,963,127)	-	This deferred tax balance relates to our plant and results from life and method differences. Related to both T & D plant.
CIAC - Non Rate Base	37,050,973	37,050,973	-	-	-	Contributions in Aid of Construction (CIAC) are a reduction to Plant for book accounting purposes, but are included in taxable income and depeciated 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	(12,985,797)	(12,985,797)	-	-	-	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.
Other Plant Related - FAS109 Deferred Taxes	(12,327,854)	(11,276,335)	-	(1,051,518)	-	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.
Transmission FAS 109 AFUDC Equity Deferred Taxes	(3,351,176)	-	(3,351,176)	-	-	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.
Transmission FAS 109 1/1/2005 Deferred Tax Balance	(7,189,568)	-	(7,189,568)	-	-	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 - p275	(899,126,339)	(82,570,950)	(10,540,743)	(806,014,645)	-	
Less FASB 109 Above if not separately removed	(22,868,597)	(11,276,335)	(10,540,743)	(1,051,518)	-	
Less FASB 106 Above if not separately removed	-					
Total	(876,257,742)	(71,294,615)	-	(804,963,127)	-	

Instructions for Account 282:
1. ADIT items related only to Non-Electric
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
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

Delmarva Power & Light Company
Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B	C	D	E	F	G
ADIT-283	*Total*	*Gas, Prod Or Other Distribution Related*	*Only Transmission Related*	*Plant Related*	*Labor Related*	*Justification*
Blueprint for the Future	(7,490,422)	(7,490,422)	-	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization.
Deferred Fuel	(4)	(4)	-	-	-	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 includible 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. Generation Related.
Materials Reserve	(531,251)	(74,375)	-	(456,876)	-	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. These reserves are related to deregulation of Energy.
Merger Costs	(6,569,280)	(6,569,280)	-	-	-	Reflects deferred taxes generated on Delmarva Power & Light Company /Atlantic City Electric Company merger costs deducted for tax purposes. For books these costs were capitalized. Pension related and therefore labor related.
Pension	(83,174,536)	(11,644,435)	-	-	(71,530,101)	Affects company personnel across all functions.
Property Taxes	(3,587,494)	(502,249)	-	(3,085,245)	-	For book purposes, certain real estate taxes were expensed. For tax purposes, those taxes were capitalized and are being depreciated. Unregulated related.
Reacquired Debt	(4,090,232)	(4,090,232)	-		-	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	(32,489,449)	(32,489,449)	-	-	-	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.
Reg Asset - FERC Formula Rate Adj.	(2,711,404)	-	(2,711,404)	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization.
Reg Asset- Other Reg Assets	(53,064,651)	(48,300,882)	-	-	(4,763,769)	Represents various costs which we are, or will be through a future rate case, getting recovery through rate base.
Reg Asset - Transmission MAPP	(1,124,447)	-	(1,124,447)	-	-	Represents deferred taxes on MAPP abandonment costs that are currently deductible for income tax purposes, versus amounts included in the MAPP Regulatory Asset that are amortized to book expense over a longer time period
Reg Asset- COPCO Acquisition Adjustment	(5,350,329)	(5,350,329)	-	-	-	Amortization of COPCO acquisition adjustment. Beginning unamortized balance $40,456,550.00 represents recovery of the regulatory asset per Docket 9093, Order 81518, refers to MD Docket 8583, Order 71719; offset account 114000 Plant Acq Adj. Amortizing monthly. Fully amortized in 2010.
FAS 109 Deferred Taxes - 283	(8,392,474)	(1,174,946)	-	(7,217,528)	-	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.
FAS 109 Deferred Taxes - 283 (AFUDC Equity)	(2,286,861)	(320,161)	(1,966,700)	-	-	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.
FAS 109 Deferred Taxes - 283 (1/1/2005 Balance)	(4,906,201)	(686,868)	(4,219,333)	-	-	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 1-F filer: see note 6, below)	(215,769,036)	(118,693,633)	(10,021,885)	(10,759,649)	(76,293,870)	
Less FASB 109 Above if not separately removed	(15,585,536)	(2,181,975)	(6,186,033)	(7,217,528)	-	
Less FASB 106 Above if not separately removed	-					
Total	(200,183,500)	(116,511,658)	(3,835,851)	(3,542,121)	(76,293,870)	

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 1-F filer: Sum of subtotals for Accounts 282 and 283 should tie to Form No. 1-F, p.113.57.c

Delmarva Power & Light Company
Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADITC-255

	Item		Balance	Amortization	
Rate Base Treatment					
Balance to line 41 of Appendix A	Total		3,168,121	420,441	Post 1980
Amortization					
Amortization to line 133 of Appendix A	Total		524,786	86,997	Pre 1981
Total			3,692,906	507,438	
Total Form No. 1 (p 266 & 267)			3,692,906	507,438	
Difference /1		check	0	-	

/1 Difference must be zero

Delmarva Power & Light 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)	21,648,240		
2	Personal property			
3	Federal/State Excise	19,273		
4				
5				
6				
	Total Plant Related	21,667,513	34.9367%	7,569,912
	Labor Related		***Wages & Salary Allocator***	
7	Federal FICA & Unemployment	3,028,471		
8	Unemployment	127,015		
9				
10				
11				
	Total Labor Related	3,155,486	8.0515%	254,062
	Other Included		***Gross Plant Allocator***	
12	Miscellaneous	-		
13				
14				
	Total Other Included	0	34.9367%	0
	Total Included	24,822,999		7,823,974
	Excluded			
15	State Franchise Tax	8,347,550		
16	Gross Receipts	198,386		
17	Sales and Use	1,534,826		
18	Utility Tax for Delmarva	7,138,680		
19	City License			
20				
21	Total "Other" Taxes (included on p. 263)	42,042,441		
22	Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	42,042,441		
23	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

Delmarva Power & Light Company

Attachment 3 - Revenue Credit Workpaper

Line	Description	Reference	Amount
	Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)		1,007,245
2	Total Rent Revenues	(Sum Line 1)	1,007,245
	Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A		$ 1,471,091
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)		1,244,037
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)	8,149,383
12	Less line 17g		(707,899)
13	Total Revenue Credits		7,441,484

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).

Line	Description	Reference	Amount
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing.		1,007,245
17b	Costs associated with revenues in line 17a	Attachment 5 - Cost Support	408,552
17c	Net Revenues (17a - 17b)		598,693
17d	50% Share of Net Revenues (17c / 2)		299,347
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)		299,347
17g	Line 17f less line 17a		(707,899)
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.		4,551,839
19	Amount offset in line 4 above		125,899,891
20	Total Account 454, 456 and 456.1		138,601,113
21	Note 4: SECA revenues booked in Account 447.		

Delmarva Power & Light Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

	Return and Taxes with 100 Basis Point increase in ROE				
A		100 Basis Point increase in ROE and Income Taxes		(Line 127 + Line 138)	76,583,858
B		100 Basis Point increase in ROE			1.00%

Return Calculation

59	Rate Base			(Line 39 + 58)	662,609,383
	Long Term Interest				
100	Long Term Interest			p117.62c through 67c	50,839,789
101	Less LTD Interest on Securitization Bonds			Attachment 8	0
102	**Long Term Interest**			"(Line 100 - line 101)"	50,839,789
103	**Preferred Dividends**		enter positive	p118.29c	-
	Common Stock				
104	Proprietary Capital			p112.16c	1,227,904,110
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)	1,230,081,889
	Capitalization				
108	Long Term Debt			p112.17c through 21c	1,273,230,000
109	Less Loss on Reacquired Debt		enter negative	p111.81c	-10,083,973
110	Plus Gain on Reacquired Debt		enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss		enter negative	Attachment 1	4,090,232
112	Less LTD on Securitization Bonds		enter negative	Attachment 8	0
113	Total Long Term Debt			(Sum Lines Lines 108 to 112)	1,267,236,259
114	Preferred Stock			p112.3c	0
115	Common Stock			(Line 107)	1,230,081,889
116	**Total Capitalization**			(Sum Lines 113 to 115)	2,497,318,148
117	Debt %	Total Long Term Debt		(Line 113 / 116)	50.74%
118	Preferred %	Preferred Stock		(Line 114 / 116)	0.00%
119	Common %	Common Stock		(Line 115 / 116)	49.26%
120	Debt Cost	Total Long Term Debt		(Line 102 / 113)	0.0401
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 o	Total Long Term Debt (WCLTD)		(Line 117 * 120)	0.0204
124	Weighted Cost o	Preferred Stock		(Line 118 * 121)	0.0000
125	Weighted Cost o	Common Stock		(Line 119 * 122)	0.0566
126	**Total Return (R)**			(Sum Lines 123 to 125)	**0.0770**
127	**Investment Return = Rate Base * Rate of Return**			**(Line 59 * 126)**	**51,022,437**

Composite Income Taxes

	Income Tax Rates				
128	FIT=Federal Income Tax Rate				35.00%
129	SIT=State Income Tax Rate or Composite				8.56%
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)} =			40.56%
132	T/ (1-T)				68.24%
	ITC Adjustment				
133	Amortized Investment Tax Credit		enter negative	Attachment 1	(86,997)
134	T/(1-T)			(Line 132)	68%
135	Net Plant Allocation Factor			(Line 18)	35.1722%
136	**ITC Adjustment Allocated to Transmission**		(Note I from Appendix A)	(Line 133 * (1 + 134) * 135)	**-51,480**
137	**Income Tax Component =**		CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		**25,612,901**
138	**Total Income Taxes**			**(Line 136 + 137)**	**25,561,421**

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	28,654,568	9,955,634	18,698,934	See Form 1
11	Accumulated Common Amortization - Electric	(Note A)	p356	17,457,635	14,161,633	3,296,002	See Form 1
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	63,363,565	51,400,525	11,963,040	See Form 1
	Plant In Service						
24	Common Plant (Electric Only)	(Notes A & B)	p356	108,569,975	88,071,964	20,498,011	See Form 1
	Accumulated Deferred Income Taxes						
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	3,692,906	3,340,468	352,438	See Form 1
	Materials and Supplies						
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	1,309,738	1,270,092	39,646	96.973% Electric, 3.027% Non-Electric
	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	136,005	136,005	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	3,738,403	3,738,403	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	3,240,849	0	3,240,849		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	3,431,003,839	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Servie without AROs
	Plant In Service						
19	Transmission Plant In Service	(Note B)	p207.58.g	1,207,860,962	0	0	See Form 1
24	Common Plant (Electric Only)	(Notes A & B)	p356	88,071,964	0	0	
	Accumulated Depreciation						
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	322,619,784	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	136,301	136,301	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
	Allocated General & Common Expenses						
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	3,651,224	340,687	3,310,537	FERC Form 1 page 351 lines 7 (h) and 8 (h)
	Directly Assigned A&G						
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	3,651,224	340,687	3,310,537	FERC Form 1 page 351 lines 7 (h) and 8 (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
	Directly Assigned A&G						
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	161,759	0	161,759	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
	Income Tax Rates								
				MD	PA	VA	DE	NJ	Enter Calculation
129	SIT=State Income Tax Rate or Composite	(Note I)	8.56%	8.25%	9.990%	6%	8.7%	6.50%	Apportioned: PA 0.0043%, VA 0.0109%, DE 5.9121%, MD 2.628%, NJ 0.0005%

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
	Directly Assigned A&G						
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	161,759	0	161,759	None

Excluded Plant Cost Support

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities					
149	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,				Or	
	the following formula will be used:	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

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
					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	33,460,936	8.051%	2,694,091	
	Plant Related	2,224,249	34.937%	777,079	
	Other		0.00%	-	
	Total Transmission Related Reserves	35,685,185		3,471,170	

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Allocator	To Line 45	Description of the Prepayments
45	Prepayments					
	Pension Liabilities, if any, in Account 242		-	6.846%	-	
	Prepayments	$	10,086,110	6.846%	690,510	
	Prepaid Pensions if not included in Prepayments	$	205,058,619	6.846%	14,038,618	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).
			215,144,729	6.85%	14,729,128	
5	Wages & Salary Allocator		8.051%			
	Electric vs Gas		85%	Based on Modified Wisconsin Method		
	Modified Wages & Salaries Allocator		6.846%			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	$ -	$ -

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
	Revenue Credits & Interest on Network Credits				
155	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
	Net Revenue Requirement			
171	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
	Network Zonal Service Rate				
173	1 CP Peak	(Note L)	PJM Data	4,114.0	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 Tranmission 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

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	18,074,774	10,620	18,064,154
68	Total A&G	p323.197.b	69,386,052	3,027,422	66,358,630

ARO Exclusion - Cost Support

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	3,431,003,839	147,988	3,430,855,851
9	Accumulated Depreciation (Total Electric Plant)	p219.29c	892,324,561	86,325	892,238,236
23	General & Intangible	p205.5.g & p207.99.g	179,554,836	147,988	179,406,848
31	Accumulated General Depreciation	p219.28.c	42,233,571	86,325	42,147,246

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	69,386,052	12,445,382	(648,858)	(704,728)	The actuarially determined amount of OPEB expense in FERC 926 increased $.486 million from the prior year; the increase reflects a $1.4 million increase in amortization of unrecognized gain/loss from assumption change in mortality table and decrease in the discount rate, offset by ($0.9 million) in amortization of prior service cost from plan amendment. This increase was offset by a $.430 million increase 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	$ 408,552
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	$ 1,007,245
	Federal Income Tax Rate	35.00%
	Federal Tax on Revenue subject to 50/50 sharing	352,536
	Net Revenue subject to 50/50 sharing	654,709
	Composite State Income Tax Rate	8.556%
	State Tax on Revenue subject to 50/50 sharing	56,016
	Total Tax on Revenue subject to 50/50 sharing	$ 408,552

Attachment 6 - Estimate and Reconciliation Worksheet

Step 9 - Reconciliation adjustment to reflect ROE Settlement in FERC Docket Nos. EL13-48 , EL15-27 and ER16-456

True-up amount - calculated at 11.3% ROE (Reconciliation Steps 1 - 9)	5,783,309	(a)
True-up amount - calculated at 10.5% ROE (Reconciliation Steps 1 - 9)	1,610,297	(b)
# of days in rate year at 11.3% ROE (June 1, 2015 to March 7, 2016)	281	(c)
# of days in rate year at 10.5% ROE (March 8, 2016 to May 31, 2016)	85	(d)
	366	(e)
11.3% ROE proration factor	76.7760%	(f)
10.5% ROE proration factor	23.2240%	(g)
Prorated true-up amount at 11.3% ROE	4,440,191	(a) x (f)
Prorated true-up amount at 10.5% ROE	373,976	(b) x (g)
Adjusted true-up for prorated ROE's	4,814,167	(1)
ROE Settlement refund per Article II section 2.2	(11,902,175)	(h)
Interest associated with rate-year monthly amortization	(217,730)	(i)
Total ROE Settlement refund	(12,119,905)	(2)
Total true-up amount	(7,305,738)	(1) + (2)
True-up per attachment 6 (step 9 - 11.3% ROE)	5,783,309	Attachment 6
True-up adjustment (carry to Attachment 6 - step 9)	(13,089,047)	Attachment 6

True-up Summary:

Prorated true-up amount at 11.3% ROE	4,440,191
Prorated true-up amount at 10.5% ROE	373,976
Total refund per ROE Settlement	(12,119,905)
Total true-up amount	(7,305,738)

Delmarva Power & Light Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	$ 11,622,846	$ 9,931,814	$ 19,914,849	$ 5,363,748	$ 46,833,257
Procurement & Administrative Services	6,803,279	4,747,615	9,948,927	397,985	21,897,805
Financial Services & Corporate Expenses	14,392,550	11,405,597	20,949,763	2,548,058	49,295,968
Insurance Coverage and Services	2,936,213	2,443,681	3,976,915	972,086	10,328,895
Human Resources	4,702,235	3,243,502	7,277,658	960,297	16,183,692
Legal Services	2,445,274	2,313,475	6,008,550	2,088,341	12,855,641
Audit Services	950,754	845,150	1,487,115	241,906	3,524,925
Customer Services	61,881,891	53,570,456	52,835,175	7,688	168,295,210
Utility Communication Services	266,488	200,497	415,547	-	882,532
Information Technology	16,532,766	12,290,845	32,565,022	400,519	61,789,153
External Affairs	3,064,379	2,353,071	4,767,843	916,269	11,101,562
Environmental Services	2,147,139	1,834,467	1,986,566	111,504	6,079,676
Safety Services	367,769	465,172	587,283	-	1,420,224
Regulated Electric & Gas T&D	36,940,868	28,738,421	49,154,897	402,956	115,237,143
Internal Consulting Services	553,737	364,355	854,552	-	1,772,645
Interns	239,606	108,950	125,236	-	473,792
Cost of Benefits	13,366,740	8,288,720	22,656,508	1,048,369	45,360,337
Building Services	-	117,184	4,297,944	-	4,415,128
Total	**$ 179,214,534**	**$ 143,262,973**	**$ 239,810,349**	**$ 15,459,727**	**$ 577,747,583**

Name of Respondent	This Report Is:	Resubmission Date (Mo, Da, Yr)	Year/Period of Report
PHI Service Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	Dec 31, 2015

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	58,154,693	181,123,595	532,061	239,810,349
2	Delmarva Power & Light Company	43,706,288	135,113,643	394,603	179,214,534
3	Atlantic City Electric Company	29,494,183	113,464,006	304,784	143,262,973
4	Pepco Energy Services, Inc.	2,339,977	4,632,294	19,854	6,992,125
5	Pepco Holdings, Inc.	4,330,208	2,327,371	14,805	6,672,384
6	Thermal Energy Limited Partnership	16,780	741,989	1,763	760,532
7	ATS Operating Services, Inc.	96	278,232	741	279,069
8	Atlantic Southern Properties, Inc.	7,860	197,738	461	206,059
9	Potomac Capital Investment Corporation	95,414	69,901	502	165,817
10	Conectiv Properties & Investments, Inc.	175	148,928	363	149,466
11	Conectiv Thermal Systems, Inc.	2,476	94,635	254	97,365
12	Conectiv, LLC	11,532	69,455	214	81,201
13	Atlantic City Electric Transition Funding, LLC	41,005	5,674	101	46,780
14	Conectiv Energy Supply, Inc.	3,196	1,312	11	4,519
15	Conectiv Communications, Inc.	7	1,436	4	1,447
16	Delaware Operating Services Company, LLC	18	1,031		1,049
17	Conectiv Services II, Inc.	5	946	3	954
18	Conectiv North East, LLC	29	480	2	511
19	ATE Investment, Inc.	265	169	1	435
20	Atlantic Generation, Inc.	8	1		9
21	Conectiv Solutions LLC	4	1		5
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	138,204,219	438,272,837	1,270,527	577,747,583

Service Company Billing Analysis by Utility FERC Account
YTD Dec 2015
Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work In Progress	26,825,416	18,942,305	37,932,712	-	83,700,433	Not included
182.3	Other Regulatory Assets	5,460,712	412,293	10,748,214	-	16,621,219	Not included
184	Clearing Accounts - Other	112,531	(281,147)	243,565	(90,887)	(15,938)	Not included
408.1	Taxes other than inc taxes, utility operating inc	1,689	417	1,869	-	3,975	Not included
416-421.2	Other Income -Below the Line	560,693	639,225	1,007,672	15,550,614	17,758,203	Not included
426.1-426.5	Other Income Deductions - Below the Line	2,507,498	1,962,834	3,959,947	-	8,430,279	Not included
430	Interest-Debt to Associated Companies	421,083	325,336	567,737	-	1,314,155	Not included
431	Interest-Short Term Debt	(26,480)	(20,551)	(35,675)	-	(82,707)	Not included
556	System cont & load dispatch	2,079,683	1,803,109	1,792,244	-	5,675,037	Not included
557	Other expenses	1,284,612	1,190,052	1,810,559	-	4,285,224	Not included
560	Operation Supervision & Engineering	2,534,655	2,301,448	3,986,086	-	8,822,189	100% included
561.1	Load Dispatching - Reliability	14,024	13,489	-	-	27,513	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	92,489	27,473	1,053,426	-	1,173,387	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	6,974	29,802	36,786	-	73,561	100% included
561.5	Reliability, Planning and Standards	318,713	306,817	72,469	-	697,999	100% included
563	Overhead line expenses	-	-	426	-	426	100% included
562	Station expenses	-	-	15,038	-	15,038	100% included
564	Underground Line Expenses - Transmission	-	-	6,022	-	6,022	100% included
566	Miscellaneous transmission expenses	575,150	466,977	400,103	-	1,442,231	100% included
568	Maintenance Supervision & Engineering	99,986	119,307	513,198	-	732,491	100% included
569.2	Maintenance of Computer Software	692,629	291,080	515,966	-	1,499,676	100% included
569.4	Maintenance of Transmission Plant	-	-	16	-	16	100% included
570	Maintenance of station equipment	179,932	81,307	368,761	-	630,000	100% included
571	Maintenance of overhead lines	208,286	171,938	336,455	-	716,679	100% included
572	Maintenance of underground lines	617	145	31,460	-	32,222	100% included
573	Maintenance of miscellaneous transmission plant	69,397	43,352	176,608	-	289,357	100% included
575.5	Ancillary services market administration	-	-	9,466		9,466	Not included
580	Operation Supervision & Engineering	932,222	413,084	1,158,728	-	2,504,033	Not included
581	Load dispatching	897,505	609,744	1,583,486	-	3,090,735	Not included
582	Station expenses	925,717	-	110,189	-	1,035,906	Not included
583	Overhead line expenses	105,764	221,000	40,256	-	367,020	Not included
584	Underground line expenses	33,248	-	249,828	-	283,076	Not included
585	Street lighting	22,790	-	263	-	23,053	Not included
586	Meter expenses	820,745	363,152	1,120,091	-	2,303,988	Not included
587	Customer installations expenses	75,048	433,573	459,731	-	968,352	Not included
588	Miscellaneous distribution expenses	5,245,589	5,366,288	8,168,015	-	18,779,892	Not included
589	Rents	42,788	4,270	110,212	-	157,269	Not included
590	Maintenance Supervision & Engineering	849,079	650,593	353,503	-	1,853,176	Not included
591	Maintain structures	-	-	832	-	832	Not included
592	Maintain equipment	675,851	584,389	1,159,558	-	2,419,798	Not included
593	Maintain overhead lines	1,259,886	1,754,712	1,644,100	-	4,658,698	Not included
594	Maintain underground line	116,336	77,706	620,650	-	814,692	Not included
595	Maintain line transformers	1,601	1,660	206,550	-	209,810	Not included
596	Maintain street lighting & signal systems	57,840	39,098	13,385	-	110,323	Not included
597	Maintain meters	29,424	34,594	102,937	-	166,954	Not included
598	Maintain distribution plant	52,761	16,021	800,876	-	869,658	Not included
800-894	Total Gas Accounts	2,312,645	-	-	-	2,312,645	Not included
902	Meter reading expenses	159,479	49,499	57,472	-	266,450	Not included
903	Customer records and collection expenses	55,012,070	53,333,101	49,706,832	-	158,052,004	Not included
907	Supervision - Customer Svc & Information	89,859	155,383	136,073	-	381,314	Not included
908	Customer assistance expenses	2,242,487	540,910	814,118	-	3,597,515	Not included
909	Informational & instructional advertising	168,512	164,860	244,743	-	578,116	Not included
910	Miscellaneous customer service	1	-	-		1	Not included
912	Demonstrating and selling expense	185,430	-	-	-	185,430	Not included
913	Advertising expense	47,466	-	-	-	47,466	Not included
920	Administrative & General salaries	334,674	102,020	622,253	-	1,058,947	Wage & Salary Factor
921	Office supplies & expenses	17,141	15,321	28,536	-	60,998	Wage & Salary Factor
923	Outside services employed	49,753,374	42,003,778	83,770,249	-	175,527,401	Wage & Salary Factor
924	Property insurance	4,302	3,183	5,843	-	13,327	Net Plant Factor
925	Injuries & damages	2,185,302	1,663,383	3,526,490	-	7,375,175	Wage & Salary Factor
926	Employee pensions & benefits	7,447,074	3,965,508	12,073,981	-	23,486,563	Wage & Salary Factor
928	Regulatory commission expenses	1,269,715	439,944	1,723,002	-	3,432,661	Direct Transmission Only
929	Duplicate charges-Credit	246,073	146,790	1,304,156	-	1,697,018	Wage & Salary Factor
930.1	General ad expenses	93	92	9,323	-	9,508	Direct Transmission Only
930.2	Miscellaneous general expenses	1,143,547	1,008,970	1,998,079	-	4,150,596	Wage & Salary Factor
931	Rents	1	2	-	-	3	Wage & Salary Factor
935	Maintenance of general plant	430,806	273,340	334,877	-	1,039,024	Wage & Salary Factor
	Total	**179,214,534**	**143,262,973**	**239,810,349**	**15,459,727**	**577,747,583**	

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)

128,461,950 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) 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			-		9.5	-	-	-	-	-	-	-	-	
Apr					8.5	-	-	-	-	-	-	-	-	
May	55,956,082				7.5	419,670,618	-	-	-	34,972,552	-	-	-	
Jun					6.5	-	-	-	-	-	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec	-				0.5	-	-	-	-	-	-	-	-	
Total	55,956,082	-	-	-		419,670,618	-	-	-	34,972,552	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										34,972,552	-	-	-	
								Input to Line 21 of Appendix A		34,972,552	-		-	34,972,552
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		4.50	#DIV/0!	#DIV/0!	#DIV/0!	

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula

$ 34,972,552 Input to Formula Line 21

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

132,037,000 — 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)

$ 132,037,000

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)

141,462,219 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 $ 113,215,597 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	(2,811,654)				11.5	(32,334,024)	-	-	-	(2,694,502)	-	-	-	
Feb	500,069				10.5	5,250,726	-	-	-	437,561	-	-	-	
Mar	3,524,838				9.5	33,485,964	-	-	-	2,790,497	-	-	-	
Apr	10,717,285				8.5	91,096,926	-	-	-	7,591,411	-	-	-	
May	16,051,076				7.5	120,383,073	-	-	-	10,031,923	-	-	-	
Jun	42,868,240				6.5	278,643,562	-	-	-	23,220,297	-	-	-	
Jul	2,117,987				5.5	11,648,928	-	-	-	970,744	-	-	-	
Aug	(691,310)				4.5	(3,110,897)	-	-	-	(259,241)	-	-	-	
Sep	754,292				3.5	2,640,022	-	-	-	220,002	-	-	-	
Oct	1,676,373				2.5	4,190,933	-	-	-	349,244	-	-	-	
Nov	5,890,966				1.5	8,836,449	-	-	-	736,371	-	-	-	
Dec	32,617,434				0.5	16,308,717	-	-	-	1,359,060	-	-	-	
Total	113,215,597	-	-	-		537,040,379	-	-	-	44,753,365	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										44,753,365	-	-	-	
								Input to Line 21 of Appendix A		44,753,365	-		-	44,753,365
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		7.26	#DIV/0!	#DIV/0!	#DIV/0!	

134,801,091 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) 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			-		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		-	-	-	-	
124,794,816								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!	

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		
134,801,091	-	129,215,514	=	5,585,576

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of 0.2800%

Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	465,465	0.2800%	11.5	14,988	480,453
Jul	Year 1	465,465	0.2800%	10.5	13,685	479,149
Aug	Year 1	465,465	0.2800%	9.5	12,381	477,846
Sep	Year 1	465,465	0.2800%	8.5	11,078	476,543
Oct	Year 1	465,465	0.2800%	7.5	9,775	475,239
Nov	Year 1	465,465	0.2800%	6.5	8,471	473,936
Dec	Year 1	465,465	0.2800%	5.5	7,168	472,633
Jan	Year 2	465,465	0.2800%	4.5	5,865	471,330
Feb	Year 2	465,465	0.2800%	3.5	4,562	470,026
Mar	Year 2	465,465	0.2800%	2.5	3,258	468,723
Apr	Year 2	465,465	0.2800%	1.5	1,955	467,420
May	Year 2	465,465	0.2800%	0.5	652	466,116
Total		5,585,576				5,679,414

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	5,679,414	0.2800%	481,942	5,213,374
Jul	Year 2	5,213,374	0.2800%	481,942	4,746,029
Aug	Year 2	4,746,029	0.2800%	481,942	4,277,375
Sep	Year 2	4,277,375	0.2800%	481,942	3,807,410
Oct	Year 2	3,807,410	0.2800%	481,942	3,336,128
Nov	Year 2	3,336,128	0.2800%	481,942	2,863,527
Dec	Year 2	2,863,527	0.2800%	481,942	2,389,602
Jan	Year 3	2,389,602	0.2800%	481,942	1,914,351
Feb	Year 3	1,914,351	0.2800%	481,942	1,437,768
Mar	Year 3	1,437,768	0.2800%	481,942	959,852
Apr	Year 3	959,852	0.2800%	481,942	480,597
May	Year 3	480,597	0.2800%	481,942	(0)
Total with interest				5,783,309	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest	5,783,309	
True-up Adjustment for ROE Settlement	(13,089,047)	Attachment 5 - Cost Support
Total true-up amount	(7,305,738)	

Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8)	$ 124,794,816
Revenue Requirement for Year 3	117,489,078

10 May Year 3 ılts of Step 9 on PJM web site

$ 117,489,078

11 June Year 3 r the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)

$ 117,489,078

Delmarva Power & Light Company

Attachment 7 - Transmission Enhancement Charge Worksheet

1 New Plant Carrying Charge

2 **Fixed Charge Rate (FCR) if not a CIAC**

Line		Formula Line		
3		Formula Line		
4	A	160	Net Plant Carrying Charge without Depreciation	10.772%
5	B	167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation	11.392%
6	C		Line B less Line A	0.6203%

7 **FCR if a CIAC**

Line		Formula Line		
8	D	161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	2.7413%

9 **The FCR resulting from Formula in a given year is used for that year only.**

10 **Therefore actual revenues collected in a year do not change based on cost data for subsequent years**

11 **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 ide**

Line		Details		B0241.3 Red Lion sub reconfiguration	B0494.1-4 Red Lion-Keeney	B0241.1-.2 Red Lion-Keeney
12	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	No	No
13	Useful life of project	Life		35	35	35
14	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 18, Otherwise "No"	CIAC	(Yes or No)	No	No	No
15	Input the allowed ROE Incentive	Increased ROE (Basis Points)		150	150	150
16	From line 4 above if "No" on line 14 and From line 8 above if "Yes" on line 14	Base FCR		10.7722%	10.7722%	10.7722%
17	Line 6 times line 15 divided by 100 basis points	FCR for This Project		11.7026%	11.7026%	11.7026%
18	Columns A, B or C from Attachment 6	Investment		14,689,101	3,099,104	2,418,717
19	Line 18 divided by line 13	Annual Depreciation Exp		419,689	88,546	69,106
20	From Columns H, I or J from Attachment 6	Month In Service or Month for CWIP		6.00	6.00	6.00

Line		Invest Yr	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue
37	Base FCR	2016	11,961,125	419,689	11,541,437	1,662,953	2,523,556	88,546	2,435,010	350,849	1,969,527	69,106	1,900,421	273,823
38	W Increased ROE	2016	11,961,125	419,689	11,541,437	1,770,336	2,523,556	88,546	2,435,010	373,505	1,969,527	69,106	1,900,421	291,505
39	Base FCR	2017	11,541,437	419,689	11,121,748	1,617,743	2,435,010	88,546	2,346,464	341,311	1,900,421	69,106	1,831,314	266,379
40	W Increased ROE	2017	11,541,437	419,689	11,121,748	1,721,222	2,435,010	88,546	2,346,464	363,143	1,900,421	69,106	1,831,314	283,417
41	Base FCR	2018	11,121,748	419,689	10,702,059	1,572,533	2,346,464	88,546	2,257,919	331,773	1,831,314	69,106	1,762,208	258,934
42	W Increased ROE	2018	11,121,748	419,689	10,702,059	1,672,107	2,346,464	88,546	2,257,919	352,781	1,831,314	69,106	1,762,208	275,330
43	Base FCR	2019	10,702,059	419,689	10,282,371	1,527,324	2,257,919	88,546	2,169,373	322,234	1,762,208	69,106	1,693,102	251,490
44	W Increased ROE	2019	10,702,059	419,689	10,282,371	1,622,993	2,257,919	88,546	2,169,373	342,419	1,762,208	69,106	1,693,102	267,243
45	Base FCR	2020	10,282,371	419,689	9,862,682	1,482,114	2,169,373	88,546	2,080,827	312,696	1,693,102	69,106	1,623,996	244,046
46	W Increased ROE	2020	10,282,371	419,689	9,862,682	1,573,878	2,169,373	88,546	2,080,827	332,057	1,693,102	69,106	1,623,996	259,156
47	Base FCR	2021	9,862,682	419,689	9,442,994	1,436,905	2,080,827	88,546	1,992,281	303,158	1,623,996	69,106	1,554,890	236,602
48	W Increased ROE	2021	9,862,682	419,689	9,442,994	1,524,764	2,080,827	88,546	1,992,281	321,694	1,623,996	69,106	1,554,890	251,069
49	Base FCR	2022	9,442,994	419,689	9,023,305	1,391,695	1,992,281	88,546	1,903,735	293,620	1,554,890	69,106	1,485,783	229,157
50	W Increased ROE	2022	9,442,994	419,689	9,023,305	1,475,649	1,992,281	88,546	1,903,735	311,332	1,554,890	69,106	1,485,783	242,981
51	Base FCR	2023	9,023,305	419,689	8,603,616	1,346,485	1,903,735	88,546	1,815,189	284,081	1,485,783	69,106	1,416,677	221,713
52	W Increased ROE	2023	9,023,305	419,689	8,603,616	1,426,535	1,903,735	88,546	1,815,189	300,970	1,485,783	69,106	1,416,677	234,894
53	Base FCR	2024	8,603,616	419,689	8,183,928	1,301,276	1,815,189	88,546	1,726,644	274,543	1,416,677	69,106	1,347,571	214,269
54	W Increased ROE	2024	8,603,616	419,689	8,183,928	1,377,421	1,815,189	88,546	1,726,644	290,608	1,416,677	69,106	1,347,571	226,807
55	Base FCR	2025	8,183,928	419,689	7,764,239	1,256,066	1,726,644	88,546	1,638,098	265,005	1,347,571	69,106	1,278,465	206,825
56	W Increased ROE	2025	8,183,928	419,689	7,764,239	1,328,306	1,726,644	88,546	1,638,098	280,246	1,347,571	69,106	1,278,465	218,720
57	Base FCR	2026	7,764,239	419,689	7,344,551	1,210,857	1,638,098	88,546	1,549,552	255,466	1,278,465	69,106	1,209,359	199,380
58	W Increased ROE	2026	7,764,239	419,689	7,344,551	1,279,192	1,638,098	88,546	1,549,552	269,884	1,278,465	69,106	1,209,359	210,633
59	Base FCR	2027	7,344,551	419,689	6,924,862	1,165,647	1,549,552	88,546	1,461,006	245,928	1,209,359	69,106	1,140,252	191,936
60	W Increased ROE	2027	7,344,551	419,689	6,924,862	1,230,077	1,549,552	88,546	1,461,006	259,521	1,209,359	69,106	1,140,252	202,545
61		....	....	....	.....	....	....	....	.....	....	....	....	.....	....
62		....	....	.....	.....	....	....	.....	.....	....	....	.....	.....	....
63														

ntified in Docket Nos. ER08-686 and ER08-1423 have been awarded an additional 150 basis point adder and, thus, their ROE is 12.0%.

B0567 Mt.Pleasant-Townsend	B0483.1-.3 Oak Hall-Wattsville	B0320 Cool Springs	BO568 3rd Indian River
No	No	No	No
35	35	35	35
No	No	No	No
150	150	150	150
10.7722%	10.7722%	10.7722%	10.7722%
11.7026%	11.7026%	11.7026%	11.7026%
6,414,723	8,379,558	14,504,530	6,681,345
183,278	239,416	414,415	190,896
6	12	9	8

Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue
5,406,695	183,278	5,223,417	745,954	7,182,478	239,416	6,943,062	987,335	12,328,851	414,415	11,914,435	1,697,859	5,854,131	190,896	5,663,235	800,949
5,406,695	183,278	5,223,417	794,553	7,182,478	239,416	6,943,062	1,051,934	12,328,851	414,415	11,914,435	1,808,713	5,854,131	190,896	5,663,235	853,641
5,223,417	183,278	5,040,140	726,211	6,943,062	239,416	6,703,646	961,545	11,914,435	414,415	11,500,020	1,653,218	5,663,235	190,896	5,472,340	780,386
5,223,417	183,278	5,040,140	773,105	6,943,062	239,416	6,703,646	1,023,917	11,914,435	414,415	11,500,020	1,760,216	5,663,235	190,896	5,472,340	831,301
5,040,140	183,278	4,856,862	706,468	6,703,646	239,416	6,464,230	935,754	11,500,020	414,415	11,085,605	1,608,576	5,472,340	190,896	5,281,444	759,822
5,040,140	183,278	4,856,862	751,657	6,703,646	239,416	6,464,230	995,899	11,500,020	414,415	11,085,605	1,711,719	5,472,340	190,896	5,281,444	808,962
4,856,862	183,278	4,673,584	686,725	6,464,230	239,416	6,224,815	909,964	11,085,605	414,415	10,671,190	1,563,935	5,281,444	190,896	5,090,549	739,258
4,856,862	183,278	4,673,584	730,208	6,464,230	239,416	6,224,815	967,881	11,085,605	414,415	10,671,190	1,663,221	5,281,444	190,896	5,090,549	786,622
4,673,584	183,278	4,490,306	666,981	6,224,815	239,416	5,985,399	884,174	10,671,190	414,415	10,256,775	1,519,293	5,090,549	190,896	4,899,653	718,695
4,673,584	183,278	4,490,306	708,760	6,224,815	239,416	5,985,399	939,863	10,671,190	414,415	10,256,775	1,614,724	5,090,549	190,896	4,899,653	764,282
4,490,306	183,278	4,307,028	647,238	5,985,399	239,416	5,745,983	858,383	10,256,775	414,415	9,842,360	1,474,651	4,899,653	190,896	4,708,757	698,131
4,490,306	183,278	4,307,028	687,312	5,985,399	239,416	5,745,983	911,845	10,256,775	414,415	9,842,360	1,566,227	4,899,653	190,896	4,708,757	741,942
4,307,028	183,278	4,123,751	627,495	5,745,983	239,416	5,506,567	832,593	9,842,360	414,415	9,427,944	1,430,010	4,708,757	190,896	4,517,862	677,568
4,307,028	183,278	4,123,751	665,864	5,745,983	239,416	5,506,567	883,827	9,842,360	414,415	9,427,944	1,517,729	4,708,757	190,896	4,517,862	719,603
4,123,751	183,278	3,940,473	607,752	5,506,567	239,416	5,267,151	806,803	9,427,944	414,415	9,013,529	1,385,368	4,517,862	190,896	4,326,966	657,004
4,123,751	183,278	3,940,473	644,415	5,506,567	239,416	5,267,151	855,809	9,427,944	414,415	9,013,529	1,469,232	4,517,862	190,896	4,326,966	697,263
3,940,473	183,278	3,757,195	588,009	5,267,151	239,416	5,027,735	781,012	9,013,529	414,415	8,599,114	1,340,727	4,326,966	190,896	4,136,071	636,440
3,940,473	183,278	3,757,195	622,967	5,267,151	239,416	5,027,735	827,791	9,013,529	414,415	8,599,114	1,420,735	4,326,966	190,896	4,136,071	674,923
3,757,195	183,278	3,573,917	568,266	5,027,735	239,416	4,788,319	755,222	8,599,114	414,415	8,184,699	1,296,085	4,136,071	190,896	3,945,175	615,877
3,757,195	183,278	3,573,917	601,519	5,027,735	239,416	4,788,319	799,774	8,599,114	414,415	8,184,699	1,372,237	4,136,071	190,896	3,945,175	652,583
3,573,917	183,278	3,390,639	548,523	4,788,319	239,416	4,548,903	729,432	8,184,699	414,415	7,770,284	1,251,444	3,945,175	190,896	3,754,280	595,313
3,573,917	183,278	3,390,639	580,071	4,788,319	239,416	4,548,903	771,756	8,184,699	414,415	7,770,284	1,323,740	3,945,175	190,896	3,754,280	630,244
3,390,639	183,278	3,207,362	528,780	4,548,903	239,416	4,309,487	703,641	7,770,284	414,415	7,355,869	1,206,802	3,754,280	190,896	3,563,384	574,750
3,390,639	183,278	3,207,362	558,622	4,548,903	239,416	4,309,487	743,738	7,770,284	414,415	7,355,869	1,275,243	3,754,280	190,896	3,563,384	607,904
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BO272.1 Keeney 500kV Sub				BO751 Keeney - Additional Breakers on 500kV Bus				BO566 Trappe Tap - Todd			
Yes				Yes				No			
35				35				35			
No				No				No			
0				0				150			
10.7722%				10.7722%				10.7722%			
10.7722%				10.7722%				11.7026%			
217,662				5,055,041				16,372,433			
6,219				144,430				467,784			
6				6				12			
Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue
195,896	6,219	189,677	26,651	4,549,537	144,430	4,405,107	618,956	14,969,082	467,784	14,501,298	2,029,889
195,896	6,219	189,677	26,651	4,549,537	144,430	4,405,107	618,956	14,969,082	467,784	14,501,298	2,164,812
189,677	6,219	183,458	25,981	4,405,107	144,430	4,260,677	603,397	14,501,298	467,784	14,033,514	1,979,499
189,677	6,219	183,458	25,981	4,405,107	144,430	4,260,677	603,397	14,501,298	467,784	14,033,514	2,110,069
183,458	6,219	177,239	25,311	4,260,677	144,430	4,116,248	587,839	14,033,514	467,784	13,565,730	1,929,108
183,458	6,219	177,239	25,311	4,260,677	144,430	4,116,248	587,839	14,033,514	467,784	13,565,730	2,055,326
177,239	6,219	171,020	24,642	4,116,248	144,430	3,971,818	572,281	13,565,730	467,784	13,097,946	1,878,718
177,239	6,219	171,020	24,642	4,116,248	144,430	3,971,818	572,281	13,565,730	467,784	13,097,946	2,000,583
171,020	6,219	164,801	23,972	3,971,818	144,430	3,827,388	556,723	13,097,946	467,784	12,630,163	1,828,327
171,020	6,219	164,801	23,972	3,971,818	144,430	3,827,388	556,723	13,097,946	467,784	12,630,163	1,945,841
164,801	6,219	158,582	23,302	3,827,388	144,430	3,682,958	541,165	12,630,163	467,784	12,162,379	1,777,937
164,801	6,219	158,582	23,302	3,827,388	144,430	3,682,958	541,165	12,630,163	467,784	12,162,379	1,891,098
158,582	6,219	152,363	22,632	3,682,958	144,430	3,538,529	525,606	12,162,379	467,784	11,694,595	1,727,546
158,582	6,219	152,363	22,632	3,682,958	144,430	3,538,529	525,606	12,162,379	467,784	11,694,595	1,836,355
152,363	6,219	146,144	21,962	3,538,529	144,430	3,394,099	510,048	11,694,595	467,784	11,226,811	1,677,156
152,363	6,219	146,144	21,962	3,538,529	144,430	3,394,099	510,048	11,694,595	467,784	11,226,811	1,781,612
146,144	6,219	139,926	21,292	3,394,099	144,430	3,249,669	494,490	11,226,811	467,784	10,759,027	1,626,765
146,144	6,219	139,926	21,292	3,394,099	144,430	3,249,669	494,490	11,226,811	467,784	10,759,027	1,726,869
139,926	6,219	133,707	20,622	3,249,669	144,430	3,105,239	478,932	10,759,027	467,784	10,291,244	1,576,375
139,926	6,219	133,707	20,622	3,249,669	144,430	3,105,239	478,932	10,759,027	467,784	10,291,244	1,672,126
133,707	6,219	127,488	19,952	3,105,239	144,430	2,960,810	463,373	10,291,244	467,784	9,823,460	1,525,984
133,707	6,219	127,488	19,952	3,105,239	144,430	2,960,810	463,373	10,291,244	467,784	9,823,460	1,617,384
127,488	6,219	121,269	19,282	2,960,810	144,430	2,816,380	447,815	9,823,460	467,784	9,355,676	1,475,594
127,488	6,219	121,269	19,282	2,960,810	144,430	2,816,380	447,815	9,823,460	467,784	9,355,676	1,562,641
....	....	.....	....	....	....	.....	....	....	....	.....	....
....	.....	.....	....	....	.....	.....	....	....	.....	.....	....

BO733 Harmony Add 2nd 230/138 Auto Tr	B1247 Glasgow - Cecil 138 kV Circuit Rebuild
No	No
35	35
No	No
0	0
10.7722%	10.7722%
10.7722%	10.7722%
10,567,349	7,246,743
301,924	207,050
4	5

Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
9,762,218	301,924	9,460,293	1,321,004	6,582,988	207,050	6,375,939	893,877	$ 10,516,221		$ 10,516,221
9,762,218	301,924	9,460,293	1,321,004	6,582,988	207,050	6,375,939	893,877	$ 11,075,611	$ 11,075,611	
9,460,293	301,924	9,158,369	1,288,480	6,375,939	207,050	6,168,889	871,573	$ 10,244,148		$ 10,244,148
9,460,293	301,924	9,158,369	1,288,480	6,375,939	207,050	6,168,889	871,573	$ 10,784,249	$ 10,784,249	
9,158,369	301,924	8,856,445	1,255,956	6,168,889	207,050	5,961,839	849,270	$ 9,972,075		$ 9,972,075
9,158,369	301,924	8,856,445	1,255,956	6,168,889	207,050	5,961,839	849,270	$ 10,492,887	$ 10,492,887	
8,856,445	301,924	8,554,521	1,223,432	5,961,839	207,050	5,754,789	826,966	$ 9,700,002		$ 9,700,002
8,856,445	301,924	8,554,521	1,223,432	5,961,839	207,050	5,754,789	826,966	$ 10,201,525	$ 10,201,525	
8,554,521	301,924	8,252,596	1,190,909	5,754,789	207,050	5,547,739	804,662	$ 9,427,929		$ 9,427,929
8,554,521	301,924	8,252,596	1,190,909	5,754,789	207,050	5,547,739	804,662	$ 9,910,163	$ 9,910,163	
8,252,596	301,924	7,950,672	1,158,385	5,547,739	207,050	5,340,690	782,358	$ 9,155,856		$ 9,155,856
8,252,596	301,924	7,950,672	1,158,385	5,547,739	207,050	5,340,690	782,358	$ 9,618,801	$ 9,618,801	
7,950,672	301,924	7,648,748	1,125,861	5,340,690	207,050	5,133,640	760,055	$ 8,883,783		$ 8,883,783
7,950,672	301,924	7,648,748	1,125,861	5,340,690	207,050	5,133,640	760,055	$ 9,327,440	$ 9,327,440	
7,648,748	301,924	7,346,824	1,093,337	5,133,640	207,050	4,926,590	737,751	$ 8,611,710		$ 8,611,710
7,648,748	301,924	7,346,824	1,093,337	5,133,640	207,050	4,926,590	737,751	$ 9,036,078	$ 9,036,078	
7,346,824	301,924	7,044,899	1,060,813	4,926,590	207,050	4,719,540	715,447	$ 8,339,637		$ 8,339,637
7,346,824	301,924	7,044,899	1,060,813	4,926,590	207,050	4,719,540	715,447	$ 8,744,716	$ 8,744,716	
7,044,899	301,924	6,742,975	1,028,289	4,719,540	207,050	4,512,490	693,143	$ 8,067,564		$ 8,067,564
7,044,899	301,924	6,742,975	1,028,289	4,719,540	207,050	4,512,490	693,143	$ 8,453,354	$ 8,453,354	
6,742,975	301,924	6,441,051	995,766	4,512,490	207,050	4,305,441	670,839	$ 7,795,491		$ 7,795,491
6,742,975	301,924	6,441,051	995,766	4,512,490	207,050	4,305,441	670,839	$ 8,161,992	$ 8,161,992	
6,441,051	301,924	6,139,127	963,242	4,305,441	207,050	4,098,391	648,536	$ 7,523,418		$ 7,523,418
6,441,051	301,924	6,139,127	963,242	4,305,441	207,050	4,098,391	648,536	$ 7,870,630	$ 7,870,630	
....	....	.....	....	....	....	.....	....			$ -
....	.....	.....	....	....	.....	.....	....		$ -	
									$ 226,358,316	$ 217,216,014

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

Amy L. Blauman
Assistant General Counsel

EP1132
701 Ninth Street NW
Washington, DC 20068-0001

Office 202.872.2122
Fax 202.331.6767
atlanticcityelectric.com
alblauman@pepcoholdings.com

An Exelon Company

Attachment 4C

May 16, 2016

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")
Informational Filing of 2016 Formula Rate Annual Update in
Docket No. ER09-1156 and Pursuant to Approved
Settlement Agreements in Docket Nos. ER05-515, EL13-48, EL15-27 and
ER16-456, *et al*.

Dear Ms. Bose,

Atlantic City hereby submits electronically, for informational purposes, its 2016 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

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[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 2016 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 change is 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).
[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

Shaded cells are input cells

Line	Description		Notes	FERC Form 1 Page # or Instruction	2015
	Allocators				
	Wages & Salary Allocation Factor				
1	Transmission Wages Expense			p354.21.b	$ 2,546,080
2	Total Wages Expense			p354.28b	$ 30,842,904
3	Less A&G Wages Expense			p354.27b	$ 1,066,396
4	Total			(Line 2 - 3)	29,776,508
5	Wages & Salary Allocator			(Line 1 / 4)	8.5506%
	Plant Allocation Factors				
6	Electric Plant in Service		(Note B)	p207.104g (see Attachment 5)	$ 3,104,908,788
7	Common Plant In Service - Electric			(Line 24)	0
8	Total Plant In Service			(Sum Lines 6 & 7)	3,104,908,788
9	Accumulated Depreciation (Total Electric Plant)			p219.29c (see Attachment 5)	$ 732,586,163
10	Accumulated Intangible Amortization		(Note A)	p200.21c	$ 15,444,428
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)	748,030,591
14	Net Plant			(Line 8 - 13)	2,356,878,197
15	Transmission Gross Plant			(Line 29 - Line 28)	1,024,197,317
16	Gross Plant Allocator			(Line 15 / 8)	32.9864%
17	Transmission Net Plant			(Line 39 - Line 28)	791,558,138
18	Net Plant Allocator			(Line 17 / 14)	33.5850%
	Plant Calculations				
	Plant In Service				
19	Transmission Plant In Service		(Note B)	p207.58.g	$ 967,555,316
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	45,955,711
22	Total Transmission Plant In Service			(Line 19 - 20 + 21)	1,013,511,027
23	General & Intangible			p205.5.g & p207.99.g (see Attachment 5)	$ 124,976,594
24	Common Plant (Electric Only)		(Notes A & B)	p356	$ -
25	Total General & Common			(Line 23 + 24)	124,976,594
26	Wage & Salary Allocation Factor			(Line 5)	8.55063%
27	General & Common Plant Allocated to Transmission			(Line 25 * 26)	10,686,290
28	Plant Held for Future Use (Including Land)		(Note C)	p214	782,029
29	TOTAL Plant In Service			(Line 22 + 27 + 28)	1,024,979,346
	Accumulated Depreciation				
30	Transmission Accumulated Depreciation		(Note B)	p219.25.c	$ 228,580,385
31	Accumulated General Depreciation			p219.28.c (see Attachment 5)	$ 32,023,332
32	Accumulated Intangible Amortization			(Line 10)	15,444,428
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)	47,467,760
36	Wage & Salary Allocation Factor			(Line 5)	8.55063%
37	General & Common Allocated to Transmission			(Line 35 * 36)	4,058,794
38	TOTAL Accumulated Depreciation			(Line 30 + 37)	232,639,179
39	TOTAL Net Property, Plant & Equipment			(Line 29 - 38)	792,340,167
	Adjustment To Rate Base				
	Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109			Attachment 1	-257,043,893
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative	(Notes A & I)	p266.h	0
42	Net Plant Allocation Factor			(Line 18)	33.59%
43	Accumulated Deferred Income Taxes Allocated To Transmission			(Line 41 * 42) + Line 40	-257,043,893
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	-2,309,642
	Prepayments				
45	Prepayments		(Note A)	Attachment 5	7,147,858
46	Total Prepayments Allocated to Transmission			(Line 45)	7,147,858
	Materials and Supplies				
47	Undistributed Stores Exp		(Note A)	p227.6c & 16.c	1,447,665
48	Wage & Salary Allocation Factor			(Line 5)	8.55%
49	Total Transmission Allocated			(Line 47 * 48)	123,785
50	Transmission Materials & Supplies			p227.8c	$ 1,785,043
51	Total Materials & Supplies Allocated to Transmission			(Line 49 + 50)	1,908,828
	Cash Working Capital				
52	Operation & Maintenance Expense			(Line 85)	20,632,658
53	1/8th Rule			x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission			(Line 52 * 53)	2,579,082
	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)	-247,717,767
59	Rate Base			(Line 39 + 58)	544,622,400

O&M

Line	Description		Note	Source	Amount
	Transmission O&M				
60	Transmission O&M			p321.112.b (see Attachment 5)	$ 15,442,082
61	Less extraordinary property loss			Attachment 5	0
62	Plus amortized extraordinary property loss			Attachment 5	0
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)	p200.3c	$ -
66	Transmission O&M			(Lines 60 - 63 + 64 + 65)	15,442,082
	Allocated General & Common Expenses				
67	Common Plant O&M		(Note A)	p356	$ -
68	Total A&G			p323.197.b (see Attachment 5)	$ 60,718,301
68a	For informational purposes: PBOB expense in FERC Account 926		(Note S)	Attachment 5	$ 877,444
69	Less Property Insurance Account 924			p323.185b	$ 340,820
70	Less Regulatory Commission Exp Account 928		(Note E)	p323.189b	$ 3,668,499
71	Less General Advertising Exp Account 930.1			p323.191b	$ 377,777
72	Less DE Enviro & Low Income and MD Universal Funds			p335.b	$ -
73	Less EPRI Dues		(Note D)	p352-353	$ 136,114
74	General & Common Expenses			(Lines 67 + 68) - Sum (69 to 73)	56,195,091
75	Wage & Salary Allocation Factor			(Line 5)	8.5506%
76	General & Common Expenses Allocated to Transmission			(Line 74 * 75)	4,805,036
	Directly Assigned A&G				
77	Regulatory Commission Exp Account 928		(Note G)	p323.189b	271,075
78	General Advertising Exp Account 930.1		(Note K)	p323.191b	0
79	Subtotal - Transmission Related			(Line 77 + 78)	271,075
80	Property Insurance Account 924			p323.185b	$ 340,820
81	General Advertising Exp Account 930.1		(Note F)	p323.191b	0
82	Total			(Line 80 + 81)	340,820
83	Net Plant Allocation Factor			(Line 18)	33.59%
84	A&G Directly Assigned to Transmission			(Line 82 * 83)	114,464
85	Total Transmission O&M			(Line 66 + 76 + 79 + 84)	20,632,658

Depreciation & Amortization Expense

Line	Description		Note	Source	Amount
	Depreciation Expense				
86	Transmission Depreciation Expense			p336.7b&c	21,802,257
87	General Depreciation			p336.10b&c	6,843,848
88	Intangible Amortization		(Note A)	p336.1d&e	5,817
89	Total			(Line 87 + 88)	6,849,665
90	Wage & Salary Allocation Factor			(Line 5)	8.5506%
91	General Depreciation Allocated to Transmission			(Line 89 * 90)	585,690
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)	8.5506%
96	Common Depreciation - Electric Only Allocated to Transmission			(Line 94 * 95)	0
97	Total Transmission Depreciation & Amortization			(Line 86 + 91 + 96)	22,387,947

Taxes Other than Income

Line	Description		Note	Source	Amount
98	Taxes Other than Income			Attachment 2	1,136,338
99	Total Taxes Other than Income			(Line 98)	1,136,338

Return / Capitalization Calculations

Line	Description		Note	Source	Amount
	Long Term Interest				
100	Long Term Interest			p117.62c through 67c	64,138,320
101	Less LTD Interest on Securitization Bonds		(Note P)	Attachment 8	10,682,415
102	Long Term Interest			"(Line 100 - line 101)"	53,455,905
103	Preferred Dividends		enter positive	p118.29c	$ -
	Common Stock				
104	Proprietary Capital			p112.16c	$ 1,009,072,020
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)	1,009,072,020
	Capitalization				
108	Long Term Debt			p112.17c through 21c	$ 1,136,753,135
109	Less Loss on Reacquired Debt		enter negative	p111.81.c	$ (6,829,667)
110	Plus Gain on Reacquired Debt		enter positive	p113.61.c	$ -
111	Less ADIT associated with Gain or Loss		enter negative	Attachment 1	2,789,919
112	Less LTD on Securitization Bonds	(Note P)	enter negative	Attachment 8	-97,738,135
113	Total Long Term Debt			(Sum Lines Lines 108 to 112)	1,034,975,252
114	Preferred Stock			p112.3c	$ -
115	Common Stock			(Line 107)	1,009,072,020
116	Total Capitalization			(Sum Lines 113 to 115)	2,044,047,272
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)	0.0516
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)	0.0258
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)	0.0783
127	Investment Return = Rate Base * Rate of Return			(Line 59 * 126)	42,657,400

Composite Income Taxes

	Income Tax Rates				
128	FIT=Federal Income Tax Rate				35.00%
129	SIT=State Income Tax Rate or Composite		(Note I)		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		(Note I)		
133	Amortized Investment Tax Credit		enter negative	p266.8f	$ (420,120)
134	T/(1-T)			(Line 132)	69.06%
135	Net Plant Allocation Factor			(Line 18)	33.5850%
136	ITC Adjustment Allocated to Transmission			(Line 133 * (1 + 134) * 135)	-238,542
137	Income Tax Component =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		[Line 132 * 127 * (1-(123 / 126))]	19,746,590
138	Total Income Taxes			(Line 136 + 137)	19,508,049

REVENUE REQUIREMENT

	Summary			
139	Net Property, Plant & Equipment		(Line 39)	792,340,167
140	Adjustment to Rate Base		(Line 58)	-247,717,767
141	Rate Base		(Line 59)	544,622,400
142	O&M		(Line 85)	20,632,658
143	Depreciation & Amortization		(Line 97)	22,387,947
144	Taxes Other than Income		(Line 99)	1,136,338
145	Investment Return		(Line 127)	42,657,400
146	Income Taxes		(Line 138)	19,508,049
147	Gross Revenue Requirement		(Sum Lines 142 to 146)	106,322,392
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service		(Line 19)	967,555,316
149	Excluded Transmission Facilities	(Note M)	Attachment 5	0
150	Included Transmission Facilities		(Line 148 - 149)	967,555,316
151	Inclusion Ratio		(Line 150 / 148)	100.00%
152	Gross Revenue Requirement		(Line 147)	106,322,392
153	Adjusted Gross Revenue Requirement		(Line 151 * 152)	106,322,392
	Revenue Credits & Interest on Network Credits			
154	Revenue Credits		Attachment 3	2,682,425
155	Interest on Network Credits	(Note N)	PJM Data	-
156	Net Revenue Requirement		(Line 153 - 154 + 155)	103,639,967
	Net Plant Carrying Charge			
157	Net Revenue Requirement		(Line 156)	103,639,967
158	Net Transmission Plant		(Line 19 - 30)	738,974,931
159	Net Plant Carrying Charge		(Line 157 / 158)	14.0248%
160	Net Plant Carrying Charge without Depreciation		(Line 157 - 86) / 158	11.0745%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 157 - 86 - 127 - 138) / 158	2.6621%
	Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Net Revenue Requirement Less Return and Taxes		(Line 156 - 145 - 146)	41,474,518
163	Increased Return and Taxes		Attachment 4	66,769,189
164	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 162 + 163)	108,243,706
165	Net Transmission Plant		(Line 19 - 30)	738,974,931
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 164 / 165)	14.6478%
167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation		(Line 163 - 86) / 165	11.6975%
168	Net Revenue Requirement		(Line 156)	103,639,967
169	True-up amount		Attachment 6	(10,075,698)
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects		Attachment 7	403,169
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)	93,967,438
	Network Zonal Service Rate			
173	1 CP Peak	(Note L)	PJM Data	2,553
174	Rate ($/MW-Year)		(Line 172 / 173)	36,810
175	Network Service Rate ($/MW/Year)		(Line 174)	36,810

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.

J 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%.
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 Transmisison 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	-	(789,951,408)	-	
ADIT-283	(923,803)	(591,371)	(37,659,711)	
ADIT-190	3,500,255	11,714,597	5,930,552	
Subtotal	2,576,452	(778,828,182)	(31,729,159)	
Wages & Salary Allocator			8.5506%	
Gross Plant Allocator		32.9864%		
ADIT	2,576,452	(256,907,300)	(2,713,044)	(257,043,893)

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 (2,789,919)

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	B	C	D	E	F	G
ADIT-190		Total	Gas, Prod or Other Related	Only Transmission Related	Plant	Labor	Justifications
190	Accrual Labor Related	5,537,261	-	-	-	5,537,261	For book purposes, the costs are expensed when a formal plan is adopted and the employees to be severed have been identified. For tax purposes, the costs are deductible when they are paid to the severed individual. Affects company personnel across all functions. For book purposes, deferred compensation and deferred payments are expensed when accrued. For tax purposes, they are not deducted until paid.
190	Accrued Liab - Auto	139,415	-	-	-	139,415	Affects company personnel across all functions
190	Accrued Liab - Misc.	1,774,314	-	-	1,774,314	-	Related to T&D plant
190	Accrued Liability - General	1,105,624	-	-	1,105,624	-	Related to T&D plant
190	Accumulated Deferred Investment Tax Credit	1,813,233	-	-	1,813,233	-	Related to T&D plant
190	BAD DEBT RESERVE	7,013,057	7,013,057	-	-	-	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 add-back of book reserve. Retail related.
190	Charitable Contribution Limit	766,650	766,650	-	-	-	Related to gas, production or other
190	ENVIRONMENTAL EXPENSE	259,806	259,806	-	-	-	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. Generation Related.
190	OPEB	13,350,765	-	-	-	13,350,765	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	Reg Asset - FERC Formula Rate Adj. Trans. Svc	3,500,255	-	3,500,255	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization.
190	SERP	253,876	-	-	-	253,876	Affects company personnel across all functions.
190	Stranded Costs	5,417,472	5,417,472	-	-	-	All Generation related
190	Federal NOL	(4,757,124)	-	-	(4,757,124)	-	Related to both T & D plant
190	State NOL	13,591,783	-	-	13,591,783	-	Related to both T & D plant
190	FAS 109 Deferred Taxes - 190	1,252,249	-	-	1,252,249	-	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	Subtotal - p234	51,018,634	13,456,984	3,500,255	14,780,078	19,281,318	
	Less FASB 109 Above if not separately removed	3,065,481	-	-	3,065,481	-	
190	Less FASB 106 Above if not separately removed	13,350,765	-	-	-	13,350,765	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	34,602,387	13,456,984	3,500,255	11,714,597	5,930,552	

check

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

	A	B	C	D	E	F	G
ADIT-282		Total	Gas, Prod or Other Related	Only Transmission Related	Plant	Labor	Justifications
282	Plant Related - APB 11 Deferred Taxes	(789,951,408)			(789,951,408)		This deferred tax balance relates to our plant and results from life and method differences. Related to both T & D plant.
282	CIAC	50,158,779	50,158,779				Contributions in Aid of Construction (CIAC) are a reduction to Plant for book accounting purposes, but are included in taxable income and depeciated 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.
282	Leased Vehicles	(7,794,621)	(7,794,621)				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	Plant Related - FAS109 Deferred Taxes	(26,344,788)			(26,344,788)		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.
	Subtotal - p275	(773,932,038)	42,364,158	-	(816,296,196)	-	
	Less FASB 109 Above if not separately removed	(26,344,788)	-	-	(26,344,788)	-	
	Less FASB 106 Above if not separately removed	-					
282	Total	(747,587,250)	42,364,158	-	(789,951,408)	-	

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-283	A	B Total	C Gas, Prod or Other Related	D Only Transmission Related	E Plant	F Labor	G Justifications
283	Accrual Labor Related	(3,733,279)	-	-	-	(3,733,279)	Affects company personnel across all functions.
283	BGS Deferred Related - Retail	(9,899,547)	(9,899,547)	-	-	-	Retail related
283	DEFERRED EXPENSE CLEARING	(591,371)	-	-	(591,371)	-	Reflects the deferred taxes generated as a result of the tax deductions taken for actual store room expenses. For book purposes, these amounts were recorded as an asset in FERC account 163.
283	Loss on Reacquired Debt	(2,789,919)	(2,789,919)	-	-	-	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	Misc. Deferred Debits - Retail	(75,516)	(75,516)	-	-	-	Retail related
283	NUG BUYOUT	(13,484,499)	(13,484,499)	-	-	-	Generation related
283	PENSION PAYMENT RESERVE	(33,926,432)	-	-	-	(33,926,432)	Affects company personnel across all functions.
283	Reg Asset - FERC Formula Rate Adj. Trans. Svc	(923,803)	-	(923,803)	-	-	When a regulatory asset/liability is established, books credit/debit income, which for tax purposes needs to be reversed along with the associated amortization.
283	Reg Asset-NJ Rec-Base	(8,897,305)	(8,897,305)	-	-	-	Related to both T & D plant
283	Regulatory Asset - NJ RGGI	(801,148)	(801,148)	-	-	-	Related to gas, production or other
283	Regulatory Asset - SREC Program	(2,443,815)	(2,443,815)	-	-	-	Generation related - Solar Renewable EnergyCertificate Program
283	Stranded Costs	(70,217,735)	(70,217,735)	-	-	-	All Generation related
283	Use Tax reserve	445,397	445,397	-	-	-	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 all plant.
283	Gross up on FAS 109 Deferred Taxes	(18,175,802)	-	-	(18,175,802)	-	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.
283	Subtotal - p277 (Form 1-F filer: see note 6, below)	(165,514,773)	(108,164,086)	(923,803)	(18,767,173)	(37,659,711)	
283	Less FASB 109 Above if not separately removed	(18,175,802)	-	-	(18,175,802)	-	
283	Less FASB 106 Above if not separately removed	-					
283	Total	(147,338,971)	(108,164,086)	(923,803)	(591,371)	(37,659,711)	
		check					

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

ADITC-255			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	4,438,758	420,120
5	Total		4,438,758	420,120
6	Form No. 1 balance (p.266) for amortization	Total Form No. 1 (p 266 & 267	4,438,758	420,120
7	Difference /1		-	-

/1 Difference must be zero

Atlantic City 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)	2,847,299		
2	Personal property	-		
3	City License	-		
4	Federal Excise	15,508		
	Total Plant Related	2,862,807	32.9864%	944,337
	Labor Related		***Wages & Salary Allocator***	
5	Federal FICA & Unemployment	1,926,021		
6	Unemployment	309,287		
	Total Labor Related	2,235,308	8.5506%	191,133
	Other Included		***Gross Plant Allocator***	
7	Miscellaneous	2,632		
	Total Other Included	2,632	32.9864%	868
	Total Included			1,136,338
	Excluded			
8	State Franchise tax	-		
9	TEFA	-		
10	Use & Sales Tax	1,108,183		
11	Total "Other" Taxes (included on p. 263)	6,208,930		
12	Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	6,208,930		
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

Line	Description	Reference	Amount
	Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)		923,201
2	Total Rent Revenues	(Sum Line 1)	923,201
	Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A		$ 869,318
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)		920,690
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)	3,332,589
12	Less line 17g		(650,164)
13	Total Revenue Credits		2,682,425

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).

Line	Description	Reference	Amount
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing.		923,201
17b	Costs associated with revenues in line 17a	Attachment 5 - Cost Support	377,128
17c	Net Revenues (17a - 17b)		546,073
17d	50% Share of Net Revenues (17c / 2)		273,037
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)		273,037
17g	Line 17f less line 17a		(650,164)
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.		11,179,654
19	Amount offset in line 4 above		87,926,237
20	Total Account 454, 456 and 456.1		102,438,480
21	Note 4: SECA revenues booked in Account 447.		

Atlantic City Electric Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

Line	Description			Source	Amount
	Return and Taxes with 100 Basis Point increase in ROE				
A	100 Basis Point increase in ROE and Income Taxes			(Line 127 + Line 138)	66,769,189
B	100 Basis Point increase in ROE				1.00%

Return Calculation

Line	Description			Source	Amount
59	Rate Base			(Line 39 + 58)	544,622,400
	Long Term Interest				
100	Long Term Interest			p117.62c through 67c	64,138,320
101	Less LTD Interest on Securitization B	(Note P)		Attachment 8	10,682,415
102	**Long Term Interest**			"(Line 100 - line 101)"	53,455,905
103	**Preferred Dividends**		enter positive	p118.29c	0
	Common Stock				
104	Proprietary Capital			p112.16c	1,009,072,020
105	Less Preferred Stock		enter negative	(Line 114)	0
106	Less Account 216.1		enter negative	p112.12c	0
107	**Common Stock**			(Sum Lines 104 to 106)	1,009,072,020
	Capitalization				
108	Long Term Debt			p112.17c through 21c	1,136,753,135
109	Less Loss on Reacquired Debt		enter negative	p111.81.c	-6,829,667
110	Plus Gain on Reacquired Debt		enter positive	p113.61.c	0
111	Less ADIT associated with Gain or Loss		enter negative	Attachment 1	2,789,919
112	Less LTD on Securitization Bonds		enter negative	Attachment 8	-97,738,135
113	Total Long Term Debt			(Sum Lines Lines 108 to 112)	1,034,975,252
114	Preferred Stock			p112.3c	0
115	Common Stock			(Line 107)	1,009,072,020
116	**Total Capitalization**			(Sum Lines 113 to 115)	2,044,047,272
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)	0.0516
121	Preferred Cost		Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost	(Note J from Appendix A)	Common Stock	Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Debt		Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0258
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)**	**0.0833**
127	Investment Return = Rate Base * Rate of Return			**(Line 59 * 126)**	**45,380,512**

Composite Income Taxes **(Note L)**

Line	Description			Source	Amount
	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	-420,120
134	T/(1-T)			(Line 132)	69.06%
135	Net Plant Allocation Factor			(Line 18)	33.5850%
136	**ITC Adjustment Allocated to Transmission**		(Note I from Appendix A)	(Line 133 * (1 + 134) * 135)	**-238,542**
137	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =			21,627,218
138	**Total Income Taxes**				**21,388,676**

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	15,444,428	15,444,428	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	4,438,758	4,438,758	0	Respondent is Electric Utility only.
	Materials and Supplies						
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	1,447,665	1,447,665	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	5,817	5,817	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	13,331,104	782,029	12,549,075	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	3,105,005,343	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Servie without AROs
	Plant In Service						
19	Transmission Plant In Service	(Note B)	p207.58.g	967,555,316	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	228,580,385	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	136,114	136,114	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
	Allocated General & Common Expenses						
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	3,668,499	271,075	3,397,424	FERC Form 1 page 351 line 3 (h)
	Directly Assigned A&G						
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	3,668,499	271,075	3,397,424	FERC Form 1 page 351 line 3 (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
	Directly Assigned A&G						
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	377,777	-	377,777	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
	Income Tax Rates								
				NJ	PA				Enter Calculation
129	SIT=State Income Tax Rate or Composite	(Note I)	9.0000%	9.00%	9.990%				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
	Directly Assigned A&G						
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	377,777	-	377,777	None

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions					Excluded Transmission Facilities	Description of the Facilities
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities					
149	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,				Or	
	the following formula will be used:	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

Outstanding Network Credits Cost Support

Atlantic City Electric Company

Attachment 5 - 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
					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	10,255,175	8.55%	876,882	
	Plant Related	4,343,486	32.99%	1,432,759	
	Other		0.00%	-	
	Total Transmission Related Reserves	14,598,661		2,309,642	

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions						Description of the Prepayments
45	Prepayments					
5	Wages & Salary Allocator			8.551%	To Line 45	
	Pension Liabilities, if any, in Account 242		-	8.551%	-	
	Prepayments	$	543,242	8.551%	46,451	
	Prepaid Pensions if not included in Prepayments	$	83,051,240	8.551%	7,101,407	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).
			83,594,482		7,147,858	
						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
	Revenue Credits & Interest on Network Credits				
155	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
	Net Revenue Requirement		
171	Facility Credits under Section 30.9 of the PJM OATT and Facility Credits paid to Vineland per settlement in ER05-515 (Note R)	-	Setelement agreement.

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				1 CP Peak	Description & PJM Documentation
	Network Zonal Service Rate				
173	1 CP Peak	(Note L)	PJM Data	2,552.8	See Form 1

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
ACE zone						
Total						

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	15,447,806	5,724	15,442,082
68	Total A&G	p323.197.b	63,611,466	2,893,165	60,718,301

ARO Exclusion - Cost Support

			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	3,105,005,343	96,555	3,104,908,788
9	Accumulated Depreciation (Total Electric Plant)	p219.29c	732,630,418	44,255	732,586,163
23	General & Intangible	p205.5.g & p207.99.g	125,073,149	96,555	124,976,594
31	Accumulated General Depreciation	p219.28.c	32,067,587	44,255	32,023,332

PBOP Expense in FERC 926

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	63,611,466	11,157,968	877,444	1,159,291	The actuarially determined amount of OPEB expense in FERC 926 decreased $.718 million from the prior year; the decrease primarily reflects a $0.8 million decrease in amortization of prior service cost resulting from plan amendment. This decrease was offset by a $.436 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	$	377,128
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	$	923,201
	Federal Income Tax Rate		35.00%
	Federal Tax on Revenue subject to 50/50 sharing		323,120
	Net Revenue subject to 50/50 sharing		600,081
	Composite State Income Tax Rate		9.000%
	State Tax on Revenue subject to 50/50 sharing		54,007
	Total Tax on Revenue subject to 50/50 sharing	$	377,128

Attachment 6 - Estimate and Reconciliation Worksheet

Step 9 - Reconciliation adjustment to reflect ROE Settlement in FERC Docket Nos. EL13-48 , EL15-27 and ER16-456

True-up amount - calculated at 11.3% ROE (Reconciliation Steps 1 - 9)	380,273	(a)
True-up amount - calculated at 10.5% ROE (Reconciliation Steps 1 - 9)	(2,771,143)	(b)
# of days in rate year at 11.3% ROE (June 1, 2015 to March 7, 2016)	281	(c)
# of days in rate year at 10.5% ROE (March 8, 2016 to May 31, 2016)	85	(d)
	366	(e)
11.3% ROE proration factor	76.7760%	(f)
10.5% ROE proration factor	23.2240%	(g)
Prorated true-up amount at 11.3% ROE	291,958	(a) x (f)
Prorated true-up amount at 10.5% ROE	(643,571)	(b) x (g)
Adjusted true-up for prorated ROE's	(351,613)	(1)
ROE Settlement refund per Article II section 2.2	(9,549,395)	(h)
Interest associated with rate-year monthly amortization	(174,690)	(i)
Total ROE Settlement refund	(9,724,085)	(2)
Total true-up amount	(10,075,698)	(1) + (2)
True-up per attachment 6 (step 9 - 11.3% ROE)	380,273	Attachment 6
True-up adjustment (carry to Attachment 6 - step 9)	(10,455,971)	Attachment 6

True-up Summary:

Prorated true-up amount at 11.3% ROE	291,958
Prorated true-up amount at 10.5% ROE	(643,571)
Total refund per ROE Settlement	(9,724,085)
Total true-up amount	(10,075,698)

Atlantic City Electric Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	$ 11,622,846	$ 9,931,814	$ 19,914,849	$ 5,363,748	$ 46,833,257
Procurement & Administrative Services	6,803,279	4,747,615	9,948,927	397,985	21,897,805
Financial Services & Corporate Expenses	14,392,550	11,405,597	20,949,763	2,548,058	49,295,968
Insurance Coverage and Services	2,936,213	2,443,681	3,976,915	972,086	10,328,895
Human Resources	4,702,235	3,243,502	7,277,658	960,297	16,183,692
Legal Services	2,445,274	2,313,475	6,008,550	2,088,341	12,855,641
Audit Services	950,754	845,150	1,487,115	241,906	3,524,925
Customer Services	61,881,891	53,570,456	52,835,175	7,688	168,295,210
Utility Communication Services	266,488	200,497	415,547	-	882,532
Information Technology	16,532,766	12,290,845	32,565,022	400,519	61,789,153
External Affairs	3,064,379	2,353,071	4,767,843	916,269	11,101,562
Environmental Services	2,147,139	1,834,467	1,986,566	111,504	6,079,676
Safety Services	367,769	465,172	587,283	-	1,420,224
Regulated Electric & Gas T&D	36,940,868	28,738,421	49,154,897	402,956	115,237,143
Internal Consulting Services	553,737	364,355	854,552	-	1,772,645
Interns	239,606	108,950	125,236	-	473,792
Cost of Benefits	13,366,740	8,288,720	22,656,508	1,048,369	45,360,337
Building Services	-	117,184	4,297,944	-	4,415,128
Total	**$ 179,214,534**	**$ 143,262,973**	**$ 239,810,349**	**$ 15,459,727**	**$ 577,747,583**

Name of Respondent	This Report Is:	Resubmission Date (Mo, Da, Yr)	Year/Period of Report
PHI Service Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	Dec 31, 2015

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	58,154,693	181,123,595	532,061	239,810,349
2	Delmarva Power & Light Company	43,706,288	135,113,643	394,603	179,214,534
3	Atlantic City Electric Company	29,494,183	113,464,006	304,784	143,262,973
4	Pepco Energy Services, Inc.	2,339,977	4,632,294	19,854	6,992,125
5	Pepco Holdings, Inc.	4,330,208	2,327,371	14,805	6,672,384
6	Thermal Energy Limited Partnership	16,780	741,989	1,763	760,532
7	ATS Operating Services, Inc.	96	278,232	741	279,069
8	Atlantic Southern Properties, Inc.	7,860	197,738	461	206,059
9	Potomac Capital Investment Corporation	95,414	69,901	502	165,817
10	Conectiv Properties & Investments, Inc.	175	148,928	363	149,466
11	Conectiv Thermal Systems, Inc.	2,476	94,635	254	97,365
12	Conectiv, LLC	11,532	69,455	214	81,201
13	Atlantic City Electric Transition Funding, LLC	41,005	5,674	101	46,780
14	Conectiv Energy Supply, Inc.	3,196	1,312	11	4,519
15	Conectiv Communications, Inc.	7	1,436	4	1,447
16	Delaware Operating Services Company, LLC	18	1,031		1,049
17	Conectiv Services II, Inc.	5	946	3	954
18	Conectiv North East, LLC	29	480	2	511
19	ATE Investment, Inc.	265	169	1	435
20	Atlantic Generation, Inc.	8	1		9
21	Conectiv Solutions LLC	4	1		5
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	138,204,219	438,272,837	1,270,527	577,747,583

Service Company Billing Analysis by Utility FERC Account
YTD Dec 2015
Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work In Progress	26,825,416	18,942,305	37,932,712	-	83,700,433	Not included
182.3	Other Regulatory Assets	5,460,712	412,293	10,748,214	-	16,621,219	Not included
184	Clearing Accounts - Other	112,531	(281,147)	243,565	(90,887)	(15,938)	Not included
408.1	Taxes other than inc taxes, utility operating inc	1,689	417	1,869	-	3,975	Not included
416-421.2	Other Income -Below the Line	560,693	639,225	1,007,672	15,550,614	17,758,203	Not included
426.1-426.5	Other Income Deductions - Below the Line	2,507,498	1,962,834	3,959,947	-	8,430,279	Not included
430	Interest-Debt to Associated Companies	421,083	325,336	567,737	-	1,314,155	Not included
431	Interest-Short Term Debt	(26,480)	(20,551)	(35,675)	-	(82,707)	Not included
556	System cont & load dispatch	2,079,683	1,803,109	1,792,244	-	5,675,037	Not included
557	Other expenses	1,284,612	1,190,052	1,810,559	-	4,285,224	Not included
560	Operation Supervision & Engineering	2,534,655	2,301,448	3,986,086	-	8,822,189	100% included
561.1	Load Dispatching - Reliability	14,024	13,489	-	-	27,513	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	92,489	27,473	1,053,426	-	1,173,387	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	6,974	29,802	36,786	-	73,561	100% included
561.5	Reliability, Planning and Standards	318,713	306,817	72,469	-	697,999	100% included
563	Overhead line expenses	-	-	426	-	426	100% included
562	Station expenses	-	-	15,038	-	15,038	100% included
564	Underground Line Expenses - Transmission	-	-	6,022	-	6,022	100% included
566	Miscellaneous transmission expenses	575,150	466,977	400,103	-	1,442,231	100% included
568	Maintenance Supervision & Engineering	99,986	119,307	513,198	-	732,491	100% included
569.2	Maintenance of Computer Software	692,629	291,080	515,966	-	1,499,676	100% included
569.4	Maintenance of Transmission Plant	-	-	16	-	16	100% included
570	Maintenance of station equipment	179,932	81,307	368,761	-	630,000	100% included
571	Maintenance of overhead lines	208,286	171,938	336,455	-	716,679	100% included
572	Maintenance of underground lines	617	145	31,460	-	32,222	100% included
573	Maintenance of miscellaneous transmission plant	69,397	43,352	176,608	-	289,357	100% included
575.5	Ancillary services market administration	-	-	9,466		9,466	Not included
580	Operation Supervision & Engineering	932,222	413,084	1,158,728	-	2,504,033	Not included
581	Load dispatching	897,505	609,744	1,583,486	-	3,090,735	Not included
582	Station expenses	925,717	-	110,189	-	1,035,906	Not included
583	Overhead line expenses	105,764	221,000	40,256	-	367,020	Not included
584	Underground line expenses	33,248	-	249,828	-	283,076	Not included
585	Street lighting	22,790	-	263	-	23,053	Not included
586	Meter expenses	820,745	363,152	1,120,091	-	2,303,988	Not included
587	Customer installations expenses	75,048	433,573	459,731	-	968,352	Not included
588	Miscellaneous distribution expenses	5,245,589	5,366,288	8,168,015	-	18,779,892	Not included
589	Rents	42,788	4,270	110,212	-	157,269	Not included
590	Maintenance Supervision & Engineering	849,079	650,593	353,503	-	1,853,176	Not included
591	Maintain structures	-	-	832	-	832	Not included
592	Maintain equipment	675,851	584,389	1,159,558	-	2,419,798	Not included
593	Maintain overhead lines	1,259,886	1,754,712	1,644,100	-	4,658,698	Not included
594	Maintain underground line	116,336	77,706	620,650	-	814,692	Not included
595	Maintain line transformers	1,601	1,660	206,550	-	209,810	Not included
596	Maintain street lighting & signal systems	57,840	39,098	13,385	-	110,323	Not included
597	Maintain meters	29,424	34,594	102,937	-	166,954	Not included
598	Maintain distribution plant	52,761	16,021	800,876	-	869,658	Not included
800-894	Total Gas Accounts	2,312,645	-	-	-	2,312,645	Not included
902	Meter reading expenses	159,479	49,499	57,472	-	266,450	Not included
903	Customer records and collection expenses	55,012,070	53,333,101	49,706,832	-	158,052,004	Not included
907	Supervision - Customer Svc & Information	89,859	155,383	136,073	-	381,314	Not included
908	Customer assistance expenses	2,242,487	540,910	814,118	-	3,597,515	Not included
909	Informational & instructional advertising	168,512	164,860	244,743	-	578,116	Not included
910	Miscellaneous customer service	1	-	-		1	Not included
912	Demonstrating and selling expense	185,430	-	-	-	185,430	Not included
913	Advertising expense	47,466	-	-	-	47,466	Not included
920	Administrative & General salaries	334,674	102,020	622,253	-	1,058,947	Wage & Salary Factor
921	Office supplies & expenses	17,141	15,321	28,536	-	60,998	Wage & Salary Factor
923	Outside services employed	49,753,374	42,003,778	83,770,249	-	175,527,401	Wage & Salary Factor
924	Property insurance	4,302	3,183	5,843	-	13,327	Net Plant Factor
925	Injuries & damages	2,185,302	1,663,383	3,526,490	-	7,375,175	Wage & Salary Factor
926	Employee pensions & benefits	7,447,074	3,965,508	12,073,981	-	23,486,563	Wage & Salary Factor
928	Regulatory commission expenses	1,269,715	439,944	1,723,002	-	3,432,661	Direct Transmission Only
929	Duplicate charges-Credit	246,073	146,790	1,304,156	-	1,697,018	Wage & Salary Factor
930.1	General ad expenses	93	92	9,323	-	9,508	Direct Transmission Only
930.2	Miscellaneous general expenses	1,143,547	1,008,970	1,998,079	-	4,150,596	Wage & Salary Factor
931	Rents	1	2	-	-	3	Wage & Salary Factor
935	Maintenance of general plant	430,806	273,340	334,877	-	1,039,024	Wage & Salary Factor
	Total	**179,214,534**	**143,262,973**	**239,810,349**	**15,459,727**	**577,747,583**	

Atlantic City Electric 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)

96,908,191 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) 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	11,324,742				9.5	107,585,052	-	-	-	8,965,421	-	-	-	
Apr	1,075,666				8.5	9,143,160	-	-	-	761,930	-	-	-	
May	26,281,577				7.5	197,111,825	-	-	-	16,425,985	-	-	-	
Jun					6.5	-	-	-	-	-	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec					0.5	-	-	-	-	-	-	-	-	
Total	38,681,985	-	-	-		313,840,038	-	-	-	26,153,337	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										26,153,337	-	-	-	
								Input to Line 21 of Appendix A		26,153,337	-		-	26,153,337
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		3.89	#DIV/0!	#DIV/0!	#DIV/0!	

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula

$ 26,153,337 Input to Formula Line 21

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

99,527,358 — 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)

$ 99,527,358

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)

103,557,599 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 $ 134,030,626 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	5,231,937				11.5	60,167,276	-	-	-	5,013,940	-	-	-	
Feb	3,181,839				10.5	33,409,308	-	-	-	2,784,109	-	-	-	
Mar	1,998,623				9.5	18,986,916	-	-	-	1,582,243	-	-	-	
Apr	8,852,391				8.5	75,245,323	-	-	-	6,270,444	-	-	-	
May	9,261,133				7.5	69,458,499	-	-	-	5,788,208	-	-	-	
Jun	40,491,981				6.5	263,197,876	-	-	-	21,933,156	-	-	-	
Jul	12,482,966				5.5	68,656,314	-	-	-	5,721,359	-	-	-	
Aug	1,552,119				4.5	6,984,534	-	-	-	582,045	-	-	-	
Sep	2,526,278				3.5	8,841,973	-	-	-	736,831	-	-	-	
Oct	626,885				2.5	1,567,213	-	-	-	130,601	-	-	-	
Nov	12,281,792				1.5	18,422,689	-	-	-	1,535,224	-	-	-	
Dec	35,542,681				0.5	17,771,341	-	-	-	1,480,945	-	-	-	
Total	134,030,626	-	-	-		642,709,262	-	-	-	53,559,105	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										53,559,105	-	-	-	
								Input to Line 21 of Appendix A		53,559,105	-		-	53,559,105
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		7.20	#DIV/0!	#DIV/0!	#DIV/0!	

96,194,024 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) 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	5,828,562				9.5	55,371,339	-	-	-	4,614,278	-	-	-	
Apr					8.5	-	-	-	-	-	-	-	-	
May	28,871,397				7.5	216,535,478	-	-	-	18,044,623	-	-	-	
Jun	42,760,597				6.5	277,943,881	-	-	-	23,161,990	-	-	-	
Jul					5.5	-	-	-	-	-	-	-	-	
Aug					4.5	-	-	-	-	-	-	-	-	
Sep					3.5	-	-	-	-	-	-	-	-	
Oct					2.5	-	-	-	-	-	-	-	-	
Nov					1.5	-	-	-	-	-	-	-	-	
Dec	3,235,662				0.5	1,617,831	-	-	-	134,819	-	-	-	
Total	80,696,218	-	-	-		551,468,528	-	-	-	45,955,711	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										45,955,711	-	-	-	
104,043,136								Input to Line 21 of Appendix A		45,955,711	-		-	45,955,711
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		5.17	#DIV/0!	#DIV/0!	#DIV/0!	

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		
96,194,024	-	95,826,752	=	367,272

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of 0.2800%

Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	30,606	0.2800%	11.5	986	31,591
Jul	Year 1	30,606	0.2800%	10.5	900	31,506
Aug	Year 1	30,606	0.2800%	9.5	814	31,420
Sep	Year 1	30,606	0.2800%	8.5	728	31,334
Oct	Year 1	30,606	0.2800%	7.5	643	31,249
Nov	Year 1	30,606	0.2800%	6.5	557	31,163
Dec	Year 1	30,606	0.2800%	5.5	471	31,077
Jan	Year 2	30,606	0.2800%	4.5	386	30,992
Feb	Year 2	30,606	0.2800%	3.5	300	30,906
Mar	Year 2	30,606	0.2800%	2.5	214	30,820
Apr	Year 2	30,606	0.2800%	1.5	129	30,735
May	Year 2	30,606	0.2800%	0.5	43	30,649
Total		367,272				373,442

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	373,442	0.2800%	31,689	342,798
Jul	Year 2	342,798	0.2800%	31,689	312,068
Aug	Year 2	312,068	0.2800%	31,689	281,253
Sep	Year 2	281,253	0.2800%	31,689	250,351
Oct	Year 2	250,351	0.2800%	31,689	219,362
Nov	Year 2	219,362	0.2800%	31,689	188,287
Dec	Year 2	188,287	0.2800%	31,689	157,125
Jan	Year 3	157,125	0.2800%	31,689	125,875
Feb	Year 3	125,875	0.2800%	31,689	94,538
Mar	Year 3	94,538	0.2800%	31,689	63,114
Apr	Year 3	63,114	0.2800%	31,689	31,601
May	Year 3	31,601	0.2800%	31,689	0
Total with interest				380,273	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest	380,273	
True-up Adjustment for ROE Settlement	(10,455,971)	Attachment 5 - Cost Support
Total true-up amount	(10,075,698)	

Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8)	$ 104,043,136
Revenue Requirement for Year 3	93,967,438

10 May Year 3 ılts of Step 9 on PJM web site

$ 93,967,438

11 June Year 3 r the Rate Year 2 (e.g., June 1, 2006 - May 31, 2007)

$ 93,967,438

Atlantic City Electric Company

Attachment 7 - Transmission Enhancement Charge Worksheet

1 New Plant Carrying Charge

2 **Fixed Charge Rate (FCR) if not a CIAC**

Line		Formula Line		
3		Formula Line		
4	A	160	Net Plant Carrying Charge without Depreciation	11.0745%
5	B	167	Net Plant Carrying Charge per 100 Basis Point increase in ROE without Depreciation	11.6975%
6	C		Line B less Line A	0.6230%

7 **FCR if a CIAC**

Line		Formula Line		
8	D	161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	2.6621%

9 **The FCR resulting from Formula in a given year is used for that year only.**

10 **Therefore actual revenues collected in a year do not change based on cost data for subsequent years**

11 **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**

Line		Details		B0265 Mickelton		B0276 Monroe	B0211 Union-Corson
12	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes		Yes	Yes
13	Useful life of project	Life		35		35	35
14	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 18, Otherwise "No"	CIAC	(Yes or No)	No		No	No
15	Input the allowed ROE Incentive	Increased ROE (Basis Points)		150		0	0
16	From line 4 above if "No" on line 14 and From line 8 above if "Yes" on line 14	Base FCR		11.0745%		11.0745%	11.0745%
17	Line 6 times line 15 divided by 100 basis points	FCR for This Project		12.0090%		11.0745%	11.0745%
18	Columns A, B or C from Attachment 6	Investment		4,854,660	may be weighted average of small projects	7,878,071	13,722,120
19	Line 18 divided by line 13	Annual Depreciation Exp		138,705		225,088	392,061
20	From Columns H, I or J from Attachment 6	Month In Service or Month for CWIP		6.00		6.00	9.00

Line		Invest Yr	B0265 Beginning	B0265 Depreciation	B0265 Ending	B0265 Revenue	B0276 Beginning	B0276 Depreciation	B0276 Ending	B0276 Revenue	B0211 Beginning	B0211 Depreciation	B0211 Ending	B0211 Revenue
37	Base FCR	2016	3,953,080	138,705	3,814,376	561,127	6,415,001	225,088	6,189,913	910,589	10,879,681	392,061	10,487,620	1,553,511
38	W Increased ROE	2016	3,953,080	138,705	3,814,376	596,772	6,415,001	225,088	6,189,913	910,589	10,879,681	392,061	10,487,620	1,553,511
39	Base FCR	2017	3,814,376	138,705	3,675,671	545,766	6,189,913	225,088	5,964,825	885,662	10,487,620	392,061	10,095,560	1,510,092
40	W Increased ROE	2017	3,814,376	138,705	3,675,671	580,115	6,189,913	225,088	5,964,825	885,662	10,487,620	392,061	10,095,560	1,510,092
41	Base FCR	2018	3,675,671	138,705	3,536,967	530,406	5,964,825	225,088	5,739,737	860,734	10,095,560	392,061	9,703,499	1,466,674
42	W Increased ROE	2018	3,675,671	138,705	3,536,967	563,458	5,964,825	225,088	5,739,737	860,734	10,095,560	392,061	9,703,499	1,466,674
43	Base FCR	2019	3,536,967	138,705	3,398,262	515,045	5,739,737	225,088	5,514,650	835,807	9,703,499	392,061	9,311,439	1,423,255
44	W Increased ROE	2019	3,536,967	138,705	3,398,262	546,801	5,739,737	225,088	5,514,650	835,807	9,703,499	392,061	9,311,439	1,423,255
45	Base FCR	2020	3,398,262	138,705	3,259,557	499,684	5,514,650	225,088	5,289,562	810,880	9,311,439	392,061	8,919,378	1,379,836
46	W Increased ROE	2020	3,398,262	138,705	3,259,557	530,144	5,514,650	225,088	5,289,562	810,880	9,311,439	392,061	8,919,378	1,379,836
47	Base FCR	2021	3,259,557	138,705	3,120,853	484,323	5,289,562	225,088	5,064,474	785,952	8,919,378	392,061	8,527,317	1,336,418
48	W Increased ROE	2021	3,259,557	138,705	3,120,853	513,487	5,289,562	225,088	5,064,474	785,952	8,919,378	392,061	8,527,317	1,336,418
49	Base FCR	2022	3,120,853	138,705	2,982,148	468,962	5,064,474	225,088	4,839,386	761,025	8,527,317	392,061	8,135,257	1,292,999
50	W Increased ROE	2022	3,120,853	138,705	2,982,148	496,830	5,064,474	225,088	4,839,386	761,025	8,527,317	392,061	8,135,257	1,292,999
51	Base FCR	2023	2,982,148	138,705	2,843,444	453,601	4,839,386	225,088	4,614,299	736,098	8,135,257	392,061	7,743,196	1,249,580
52	W Increased ROE	2023	2,982,148	138,705	2,843,444	480,173	4,839,386	225,088	4,614,299	736,098	8,135,257	392,061	7,743,196	1,249,580
53	Base FCR	2024	2,843,444	138,705	2,704,739	438,241	4,614,299	225,088	4,389,211	711,171	7,743,196	392,061	7,351,136	1,206,161
54	W Increased ROE	2024	2,843,444	138,705	2,704,739	463,516	4,614,299	225,088	4,389,211	711,171	7,743,196	392,061	7,351,136	1,206,161
55	Base FCR	2025	2,704,739	138,705	2,566,035	422,880	4,389,211	225,088	4,164,123	686,243	7,351,136	392,061	6,959,075	1,162,743
56	W Increased ROE	2025	2,704,739	138,705	2,566,035	446,859	4,389,211	225,088	4,164,123	686,243	7,351,136	392,061	6,959,075	1,162,743
57	Base FCR	2026	2,566,035	138,705	2,427,330	407,519	4,164,123	225,088	3,939,035	661,316	6,959,075	392,061	6,567,015	1,119,324
58	W Increased ROE	2026	2,566,035	138,705	2,427,330	430,202	4,164,123	225,088	3,939,035	661,316	6,959,075	392,061	6,567,015	1,119,324
59	Base FCR	2027	2,427,330	138,705	2,288,625	392,158	3,939,035	225,088	3,713,948	636,389	6,567,015	392,061	6,174,954	1,075,905
60	W Increased ROE	2027		138,705	(138,705)	122,048	3,939,035	225,088	3,713,948	636,389	6,567,015	392,061	6,174,954	1,075,905
61		....		....	.....	....	....	....	.....	....	....	....	.....	....
62		....	....	.....	.....	....	....	.....	.....	....	....	.....	.....	....
63														

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%.

B0210 Orchard-500kV	B0210 Orchard-Below 500kV	B0277 Cumberland Sub:2nd Xfmr	B1398.5 Reconductor Mickleton - Depford - 230 Kv line	B1398.3.1 Mickleton Deptford 230kv tern
Yes	Yes	Yes	Yes	Yes
35	35	35	35	35
No	No	No	No	No
150	150	150	0	0
11.0745%	11.0745%	11.0745%	11.0745%	11.0745%
12.0090%	12.0090%	12.0090%	11.0745%	11.0745%
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

B0210 Orchard-500kV

Beginning	Depreciation	Ending	Revenue
20,527,231	744,190	19,783,042	2,935,061
20,527,231	744,190	19,783,042	3,119,930
19,783,042	744,190	19,038,852	2,852,646
19,783,042	744,190	19,038,852	3,030,561
19,038,852	744,190	18,294,662	2,770,230
19,038,852	744,190	18,294,662	2,941,191
18,294,662	744,190	17,550,473	2,687,815
18,294,662	744,190	17,550,473	2,851,822
17,550,473	744,190	16,806,283	2,605,400
17,550,473	744,190	16,806,283	2,762,452
16,806,283	744,190	16,062,093	2,522,985
16,806,283	744,190	16,062,093	2,673,083
16,062,093	744,190	15,317,904	2,440,569
16,062,093	744,190	15,317,904	2,583,713
15,317,904	744,190	14,573,714	2,358,154
15,317,904	744,190	14,573,714	2,494,343
14,573,714	744,190	13,829,524	2,275,739
14,573,714	744,190	13,829,524	2,404,974
13,829,524	744,190	13,085,335	2,193,324
13,829,524	744,190	13,085,335	2,315,604
13,085,335	744,190	12,341,145	2,110,909
13,085,335	744,190	12,341,145	2,226,235
12,341,145	744,190	11,596,955	2,028,493
12,341,145	744,190	11,596,955	2,136,865
....	....	.....	....
....	.....	.....	....

B0210 Orchard-Below 500kV

Beginning	Depreciation	Ending	Revenue
14,636,672	530,635	14,106,037	2,092,806
14,636,672	530,635	14,106,037	2,224,625
14,106,037	530,635	13,575,403	2,034,041
14,106,037	530,635	13,575,403	2,160,901
13,575,403	530,635	13,044,768	1,975,276
13,575,403	530,635	13,044,768	2,097,178
13,044,768	530,635	12,514,133	1,916,511
13,044,768	530,635	12,514,133	2,033,454
12,514,133	530,635	11,983,499	1,857,746
12,514,133	530,635	11,983,499	1,969,730
11,983,499	530,635	11,452,864	1,798,981
11,983,499	530,635	11,452,864	1,906,006
11,452,864	530,635	10,922,229	1,740,216
11,452,864	530,635	10,922,229	1,842,282
10,922,229	530,635	10,391,595	1,681,451
10,922,229	530,635	10,391,595	1,778,559
10,391,595	530,635	9,860,960	1,622,686
10,391,595	530,635	9,860,960	1,714,835
9,860,960	530,635	9,330,326	1,563,921
9,860,960	530,635	9,330,326	1,651,111
9,330,326	530,635	8,799,691	1,505,156
9,330,326	530,635	8,799,691	1,587,387
8,799,691	530,635	8,269,056	1,446,390
8,799,691	530,635	8,269,056	1,523,664
....	....	.....	....
....	.....	.....	....

B0277 Cumberland Sub:2nd Xfmr

Beginning	Depreciation	Ending	Revenue
5,633,148	193,136	5,440,011	795,590
5,633,148	193,136	5,440,011	846,426
5,440,011	193,136	5,246,875	774,201
5,440,011	193,136	5,246,875	823,232
5,246,875	193,136	5,053,738	752,812
5,246,875	193,136	5,053,738	800,039
5,053,738	193,136	4,860,602	731,423
5,053,738	193,136	4,860,602	776,845
4,860,602	193,136	4,667,465	710,034
4,860,602	193,136	4,667,465	753,651
4,667,465	193,136	4,474,329	688,646
4,667,465	193,136	4,474,329	730,458
4,474,329	193,136	4,281,192	667,257
4,474,329	193,136	4,281,192	707,264
4,281,192	193,136	4,088,056	645,868
4,281,192	193,136	4,088,056	684,070
4,088,056	193,136	3,894,919	624,479
4,088,056	193,136	3,894,919	660,876
3,894,919	193,136	3,701,783	603,090
3,894,919	193,136	3,701,783	637,683
3,701,783	193,136	3,508,646	581,701
3,701,783	193,136	3,508,646	614,489
3,508,646	193,136	3,315,510	560,312
3,508,646	193,136	3,315,510	591,295
....	....	.....	....
....	.....	.....	....

B1398.5 Reconductor Mickleton - Depford - 230 Kv line

Beginning	Depreciation	Ending	Revenue
4,058,319	115,583	3,942,737	552,221
4,058,319	115,583	3,942,737	552,221
3,942,737	115,583	3,827,154	539,421
3,942,737	115,583	3,827,154	539,421
3,827,154	115,583	3,711,571	526,620
3,827,154	115,583	3,711,571	526,620
3,711,571	115,583	3,595,988	513,820
3,711,571	115,583	3,595,988	513,820
3,595,988	115,583	3,480,405	501,020
3,595,988	115,583	3,480,405	501,020
3,480,405	115,583	3,364,823	488,220
3,480,405	115,583	3,364,823	488,220
3,364,823	115,583	3,249,240	475,420
3,364,823	115,583	3,249,240	475,420
3,249,240	115,583	3,133,657	462,619
3,249,240	115,583	3,133,657	462,619
3,133,657	115,583	3,018,074	449,819
3,133,657	115,583	3,018,074	449,819
3,018,074	115,583	2,902,491	437,019
3,018,074	115,583	2,902,491	437,019
2,902,491	115,583	2,786,909	424,219
2,902,491	115,583	2,786,909	424,219
2,786,909	115,583	2,671,326	411,419
2,786,909	115,583	2,671,326	411,419
....	....	.....	....
....	.....	.....	....

B1398.3.1 Mickleton Deptford 230kv tern

Beginning	Depreciation	Ending
12,581,318	376,463	12,204,855
12,581,318	376,463	12,204,855
12,204,855	376,463	11,828,392
12,204,855	376,463	11,828,392
11,828,392	376,463	11,451,929
11,828,392	376,463	11,451,929
11,451,929	376,463	11,075,466
11,451,929	376,463	11,075,466
11,075,466	376,463	10,699,003
11,075,466	376,463	10,699,003
10,699,003	376,463	10,322,539
10,699,003	376,463	10,322,539
10,322,539	376,463	9,946,076
10,322,539	376,463	9,946,076
9,946,076	376,463	9,569,613
9,946,076	376,463	9,569,613
9,569,613	376,463	9,193,150
9,569,613	376,463	9,193,150
9,193,150	376,463	8,816,687
9,193,150	376,463	8,816,687
8,816,687	376,463	8,440,224
8,816,687	376,463	8,440,224
8,440,224	376,463	8,063,761
8,440,224	376,463	8,063,761
....	....	.....
....	.....	.....

inal	B1600 Upgrade Mill T2 138/69 kV Transformer
	Yes
	35
	No
	0
	11.0745%
	11.0745%
	13,621,157
	389,176
	6

Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
1,728,089	13,621,157	194,588	13,426,569	1,061,960	$ 12,190,954		$ 12,190,954
1,728,089	13,621,157	194,588	13,426,569	1,061,960	$ 12,594,124	$ 12,594,124	
1,686,397	13,426,569	389,176	13,037,393	1,833,001	$ 12,661,227		$ 12,661,227
1,686,397	13,426,569	389,176	13,037,393	1,833,001	$ 13,049,382	$ 13,049,382	
1,644,706	13,037,393	389,176	12,648,217	1,789,902	$ 12,317,360		$ 12,317,360
1,644,706	13,037,393	389,176	12,648,217	1,789,902	$ 12,690,501	$ 12,690,501	
1,603,015	12,648,217	389,176	12,259,041	1,746,802	$ 11,973,494		$ 11,973,494
1,603,015	12,648,217	389,176	12,259,041	1,746,802	$ 12,331,621	$ 12,331,621	
1,561,323	12,259,041	389,176	11,869,865	1,703,703	$ 11,629,627		$ 11,629,627
1,561,323	12,259,041	389,176	11,869,865	1,703,703	$ 11,972,740	$ 11,972,740	
1,519,632	11,869,865	389,176	11,480,689	1,660,604	$ 11,285,760		$ 11,285,760
1,519,632	11,869,865	389,176	11,480,689	1,660,604	$ 11,613,859	$ 11,613,859	
1,477,940	11,480,689	389,176	11,091,514	1,617,505	$ 10,941,893		$ 10,941,893
1,477,940	11,480,689	389,176	11,091,514	1,617,505	$ 11,254,978	$ 11,254,978	
1,436,249	11,091,514	389,176	10,702,338	1,574,405	$ 10,598,026		$ 10,598,026
1,436,249	11,091,514	389,176	10,702,338	1,574,405	$ 10,896,097	$ 10,896,097	
1,394,558	10,702,338	389,176	10,313,162	1,531,306	$ 10,254,159		$ 10,254,159
1,394,558	10,702,338	389,176	10,313,162	1,531,306	$ 10,537,216	$ 10,537,216	
1,352,866	10,313,162	389,176	9,923,986	1,488,207	$ 9,910,292		$ 9,910,292
1,352,866	10,313,162	389,176	9,923,986	1,488,207	$ 10,178,335	$ 10,178,335	
1,311,175	9,923,986	389,176	9,534,810	1,445,108	$ 9,566,425		$ 9,566,425
1,311,175	9,923,986	389,176	9,534,810	1,445,108	$ 9,819,454	$ 9,819,454	
1,269,484	9,534,810	389,176	9,145,634	1,402,008	$ 9,222,559		$ 9,222,559
1,269,484	9,534,810	389,176	9,145,634	1,402,008	$ 9,169,076	$ 9,169,076	
....	....	....	.....	....			$ -
....	....	.....	.....	....		$ -	
						$ 217,403,141	$ 210,330,749

Atlantic City Electric Company

Attachment 8 - Company Exhibit - Securitization Workpaper

Line #		
	Long Term Interest	
101	**Less LTD Interest on Securitization Bonds**	10,682,415
	Capitalization	
112	**Less LTD on Securitization Bonds**	97,738,135

Calculation of the above Securitization Adjustments

Inputs from Atlantic City Electric Company 2015 FERC Form 1
Pages 256-257 "Long Term Debt (Account 221, 222, 223, and 224)"
Line 21 "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

Amy L. Blauman
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Attachment 4D

May 16, 2016

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")
Informational Filing of 2016 Formula Rate Annual Update in Docket No. ER09-1159 and Pursuant to Approved Settlement Agreements in Docket Nos. ER05-515, EL13-48, EL15-27 and ER16-456, *et al*.

Dear Ms. Bose,

Pepco hereby submits electronically, for informational purposes, its 2016 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 2016 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 change is 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).
[5] *See* Settlement, Exhibit A containing PJM Tariff Attachment H9-B, Section 2.h.

ATTACHMENT H-9A

Line	Potomac Electric Power Company Formula Rate -- Appendix A	Notes	FERC Form 1 Page # or Instruction	2015
	Shaded cells are input cells			
	Allocators			
	Wages & Salary Allocation Factor			
1	Transmission Wages Expense		p354.21b	$ 7,262,569
2	Total Wages Expense		p354.28b	$ 78,488,286
3	Less A&G Wages Expense		p354.27b	$ 5,193,297
4	Total		(Line 2 - 3)	73,294,989
5	Wages & Salary Allocator		(Line 1 / 4)	9.9087%
	Plant Allocation Factors			
6	Electric Plant in Service	(Note B)	p207.104g (See attachment 5)	$ 7,529,237,341
7	Common Plant In Service - Electric		(Line 24)	0
8	Total Plant In Service		(Sum Lines 6 & 7)	7,529,237,341
9	Accumulated Depreciation (Total Electric Plant)		p219.29c See attachment 5)	$ 2,728,801,768
10	Accumulated Intangible Amortization	(Note A)	p200.21c	$ 23,998,638
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)	2,752,800,406
14	Net Plant		(Line 8 - 13)	4,776,436,935
15	Transmission Gross Plant		(Line 29 - Line 28)	1,343,458,856
16	Gross Plant Allocator		(Line 15 / 8)	17.8432%
17	Transmission Net Plant		(Line 39 - Line 28)	903,194,886
18	Net Plant Allocator		(Line 17 / 14)	18.9094%
	Plant Calculations			
	Plant In Service			
19	Transmission Plant In Service	(Note B)	p207.58.g	$ 1,301,956,628
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	11,057,930
22	Total Transmission Plant In Service		(Line 19 - 20 + 21)	1,313,014,558
23	General & Intangible		p205.5.g & p207.99.g (see attachment 5)	307,248,648
24	Common Plant (Electric Only)	(Notes A & B)	p356	0
25	Total General & Common		(Line 23 + 24)	307,248,648
26	Wage & Salary Allocation Factor		(Line 5)	9.90868%
27	General & Common Plant Allocated to Transmission		(Line 25 * 26)	30,444,298
28	Plant Held for Future Use (Including Land)	(Note C)	p214	0
29	TOTAL Plant In Service		(Line 22 + 27 + 28)	1,343,458,856
	Accumulated Depreciation			
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	423,932,260
31	Accumulated General Depreciation		p219.28.c (see attachment 5)	140,823,556
32	Accumulated Intangible Amortization		(Line 10)	23,998,638
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)	164,822,194
36	Wage & Salary Allocation Factor		(Line 5)	9.90868%
37	General & Common Allocated to Transmission		(Line 35 * 36)	16,331,711
38	TOTAL Accumulated Depreciation		(Line 30 + 37)	440,263,971
39	TOTAL Net Property, Plant & Equipment		(Line 29 - 38)	903,194,886
	Adjustment To Rate Base			
	Accumulated Deferred Income Taxes			
40	ADIT net of FASB 106 and 109		Attachment 1	-250,020,630
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative (Notes A & I)	p266.h	0
42	Net Plant Allocation Factor		(Line 18)	18.91%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	-250,020,630
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	-7,610,145
	Prepayments			
45	Prepayments	(Note A)	Attachment 5	30,789,114
46	Total Prepayments Allocated to Transmission		(Line 45)	30,789,114
	Materials and Supplies			
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	2,422,856
48	Wage & Salary Allocation Factor		(Line 5)	9.91%
49	Total Transmission Allocated		(Line 47 * 48)	240,073
50	Transmission Materials & Supplies		p227.8c	6,158,611
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	6,398,684
	Cash Working Capital			
52	Operation & Maintenance Expense		(Line 85)	44,600,096
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	5,575,012
	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)	-214,867,966
59	Rate Base		(Line 39 + 58)	688,326,920

O&M

Line	Description	Note	Source	Amount
	Transmission O&M			
60	Transmission O&M		p321.112.b (see attachment 5)	31,946,590
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	(Note O)	PJM Data	0
65	Plus Transmission Lease Payments	(Note A)	p200.3.c	0
66	Transmission O&M		(Lines 60 - 63 + 64 + 65)	31,946,590
	Allocated General & Common Expenses			
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		p323.197.b (see attachment 5)	128,631,062
68a	For informational purposes: PBOB expense in FERC Account 926	(Note S)	Attachment 5	2,002,643
69	Less Property Insurance Account 924		p323.185b	974,882
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	4,421,392
71	Less General Advertising Exp Account 930.1		p323.191b	1,499,269
72	Less DE Enviro & Low Income and MD Universal Funds		p335.b	0
73	Less EPRI Dues	(Note D)	p352-353	268,880
74	General & Common Expenses		(Lines 67 + 68) - Sum (69 to 73)	121,466,639
75	Wage & Salary Allocation Factor		(Line 5)	9.9087%
76	General & Common Expenses Allocated to Transmission		(Line 74 * 75)	12,035,746
	Directly Assigned A&G			
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	433,416
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	0
79	Subtotal - Transmission Related		(Line 77 + 78)	433,416
80	Property Insurance Account 924		p323.185b	974,882
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	0
82	Total		(Line 80 + 81)	974,882
83	Net Plant Allocation Factor		(Line 18)	18.91%
84	A&G Directly Assigned to Transmission		(Line 82 * 83)	184,344
85	Total Transmission O&M		(Line 66 + 76 + 79 + 84)	44,600,096

Depreciation & Amortization Expense

Line	Description	Note	Source	Amount
	Depreciation Expense			
86	Transmission Depreciation Expense		p336.7b&c	28,624,853
86a	Amortization of Abandoned Transmission Plant		Attachment 5	0
87	General Depreciation		p336.10b&c	9,843,397
88	Intangible Amortization	(Note A)	p336.1d&e	-29,816
89	Total		(Line 87 + 88)	9,813,581
90	Wage & Salary Allocation Factor		(Line 5)	9.9087%
91	General Depreciation Allocated to Transmission		(Line 89 * 90)	972,397
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)	9.9087%
96	Common Depreciation - Electric Only Allocated to Transmission		(Line 94 * 95)	0
97	Total Transmission Depreciation & Amortization		(Line 86 + 86a + 91 + 96)	29,597,250

Taxes Other than Income

Line	Description	Source	Amount
98	Taxes Other than Income	Attachment 2	11,115,313
99	Total Taxes Other than Income	(Line 98)	11,115,313

Return / Capitalization Calculations

Line	Description		Note	Source	Amount
	Long Term Interest				
100	Long Term Interest			p117.62c through 67c	124,396,416
101	Less LTD Interest on Securitization Bonds		(Note P)	Attachment 8	0
102	Long Term Interest			"(Line 100 - line 101)"	124,396,416
103	Preferred Dividends		enter positive	p118.29c	-
	Common Stock				
104	Proprietary Capital			p112.16c	$ 2,240,754,792
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)	2,239,108,425
	Capitalization				
108	Long Term Debt			p112.17c through 21c	2,334,500,000
109	Less Loss on Reacquired Debt		enter negative	p111.81c	-19,446,431
110	Plus Gain on Reacquired Debt		enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss		enter negative	Attachment 1	7,801,171
112	Less LTD on Securitization Bonds	(Note P)	enter negative	Attachment 8	0
113	Total Long Term Debt			(Sum Lines 108 to 112)	2,322,854,740
114	Preferred Stock			p112.3c	0
115	Common Stock			(Line 107)	2,239,108,425
116	Total Capitalization			(Sum Lines 113 to 115)	4,561,963,165
117	Debt %	Total Long Term Debt		(Line 113 / 116)	51%
118	Preferred %	Preferred Stock		(Line 114 / 116)	0%
119	Common %	Common Stock		(Line 115 / 116)	49%
120	Debt Cost	Total Long Term Debt		(Line 102 / 113)	0.0536
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)	0.0273
124	Weighted Cost of Preferred	Preferred Stock		(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock		(Line 119 * 122)	0.0515
126	Total Return (R)			(Sum Lines 123 to 125)	0.0788
127	Investment Return = Rate Base * Rate of Return			(Line 59 * 126)	54,243,195

Composite Income Taxes

Line	Description		Note	Reference	Amount
	Income Tax Rates				
128	FIT=Federal Income Tax Rate				35.00%
129	SIT=State Income Tax Rate or Composite		(Note I)		7.94%
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)} =			40.16%
132	T/ (1-T)				67.12%
	ITC Adjustment		(Note I)		
133	Amortized Investment Tax Credit		enter negative	p266.8f	-208,120
134	T/(1-T)			(Line 132)	67.12%
135	Net Plant Allocation Factor			(Line 18)	18.9094%
136	ITC Adjustment Allocated to Transmission			(Line 133 * (1 + 134) * 135)	-65,768
137	Income Tax Component =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		[Line 132 * 127 * (1-(123 / 126))]	23,809,360
138	Total Income Taxes			(Line 136 + 137)	23,743,592

REVENUE REQUIREMENT

Line	Description	Note	Reference	Amount
	Summary			
139	Net Property, Plant & Equipment		(Line 39)	903,194,886
140	Adjustment to Rate Base		(Line 58)	-214,867,966
141	Rate Base		(Line 59)	688,326,920
142	O&M		(Line 85)	44,600,096
143	Depreciation & Amortization		(Line 97)	29,597,250
144	Taxes Other than Income		(Line 99)	11,115,313
145	Investment Return		(Line 127)	54,243,195
146	Income Taxes		(Line 138)	23,743,592
147	Gross Revenue Requirement		(Sum Lines 142 to 146)	163,299,446
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service		(Line 19)	1,301,956,628
149	Excluded Transmission Facilities	(Note M)	Attachment 5	0
150	Included Transmission Facilities		(Line 148 - 149)	1,301,956,628
151	Inclusion Ratio		(Line 150 / 148)	100.00%
152	Gross Revenue Requirement		(Line 147)	163,299,446
153	Adjusted Gross Revenue Requirement		(Line 151 * 152)	163,299,446
	Revenue Credits & Interest on Network Credits			
154	Revenue Credits		Attachment 3	5,613,662
155	Interest on Network Credits	(Note N)	PJM Data	-
156	Net Revenue Requirement		(Line 153 - 154 + 155)	157,685,784
	Net Plant Carrying Charge			
157	Net Revenue Requirement		(Line 156)	157,685,784
158	Net Transmission Plant		(Line 19 - 30)	878,024,368
159	Net Plant Carrying Charge		(Line 157 / 158)	17.9592%
160	Net Plant Carrying Charge without Depreciation		(Line 157 - 86) / 158	14.6990%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 157 - 86 - 127 - 138) / 158	5.8169%
	Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Net Revenue Requirement Less Return and Taxes		(Line 156 - 145 - 146)	79,698,997
163	Increased Return and Taxes		Attachment 4	83,632,800
164	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 162 + 163)	163,331,797
165	Net Transmission Plant		(Line 19 - 30)	878,024,368
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 164 / 165)	18.6022%
167	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		(Line 163 - 86) / 165	15.3421%
168	Net Revenue Requirement		(Line 156)	157,685,784
169	True-up amount		Attachment 6	(13,338,160)
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects		Attachment 7	1,265,216
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)	145,612,840
	Network Zonal Service Rate			
173	1 CP Peak	(Note L)	PJM Data	6,268
174	Rate ($/MW-Year)		(Line 172 / 173)	23,232
175	Network Service Rate ($/MW/Year)		(Line 174)	23,232

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.

J 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%.
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 Transmisison 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	(1,516,848,835)	0	
ADIT-283	619,579	(7,434,306)	(130,289,315)	
ADIT-190	5,655,923	145,691,878	26,229,348	
Subtotal	6,275,502	(1,378,591,264)	(104,059,967)	
Wages & Salary Allocator			9.9087%	
Gross Plant Allocator		17.8432%		
ADIT	6,275,502	(245,985,159)	(10,310,974)	(250,020,630)

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 (7,801,171)

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	2,173,093	-	-	-	2,173,093	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	6,821,948	6,821,948	-	-	-	Under the Tax Reform Act of 1986, taxpayers were required to switch from the reserve method for bad debts to the specific write-off method. The amounts previously accumulated in a reserve were required to be included in taxable income over a four year period. The reserve method is used for book purposes. Related to all revenues.
Accrued Liabilities	24,056,254	-	-	-	24,056,254	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 allowed until the liability is paid.
Environmental Expense	9,813,510	9,813,510	-	-	-	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.
Charitable Contribution Carryfoward	3,569,571	3,569,571	-	-	-	PHI's consolidated tax return is in an NOL situation, therefore, Pepco's charitable contributions are carried forward until such time as PHI is in a taxable income position. For book purposes, the contributions are expensed when incurred.
Capital Loss Limitation	91,980	91,980	-	-	-	Tax capital losses are limited to the amount of tax capital gains.
FAS 106 OPEB Adjustment	19,610,826	-	-	-	19,610,826	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	3,969,224	3,969,224	-	-	-	When a regulatory asset/liability is established, books credits/debits income, which for tax purposes needs to be reversed along with the associated amortization
FAS 109 - Deferred Taxes on ITC	913,682	-	-	913,682	-	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.
FAS 109 - Regulatory Liability	2,499,913	-	-	2,499,913	-	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.
Regulatory Liability - FERC Formula Rate True-up	5,655,923	-	5,655,923	-	-	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.
Federal & State NOL	145,653,136	-	-	145,653,136	-	PHI's consolidated return is in an NOL situation, therefore, they are carried forward until such time as PHI is in a taxable income position.
Other 190 Deferred Taxes	1,041,647	1,002,905	-	38,742	-	Miscellaneous temporary differences related to DC Gross Receipts Tax and Sales and Use Tax (Plant), and deferred income taxes on a book reserve established for sound barriers at Buzzard Point. (Gas, Production, Other)
Subtotal - p234	225,870,708	25,269,139	5,655,923	149,105,473	45,840,173	
Less FASB 109 Above if not separately removed	3,413,596	-	-	3,413,596	-	
Less FASB 106 Above if not separately removed	19,610,826				19,610,826	
Total	202,846,287	25,269,139	5,655,923	145,691,878	26,229,348	

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	B	C	D	E	F	G
ADIT- 282	*Total*	*Gas, Prod Or Other Related*	*Only Transmission Related*	*Plant Related*	*Labor Related*	*Justification*
Plant Related Deferred Taxes	(1,516,848,835)			(1,516,848,835)		This deferred tax balance relates to the life and method differences on property related items for book and tax.
FAS109 AFUDC Equity	(24,961,125)			(24,961,125)		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.
CIAC - Non Rate Base	58,201,253	58,201,253				Contributions in Aid of Construction (CIAC) are a reduction to Plant for book accounting purposes, but are included in taxable income and depeciated 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 inccurred 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	(9,139,388)	(9,139,388)				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
Plant Related - FAS109 Deferred Taxes	(53,090,855)			(53,090,855)		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.
Subtotal - p275 (Form 1-F filer: see note 6 below)	(1,545,838,950)	49,061,865	-	(1,594,900,815)	-	
Less FASB 109 Above if not separately removed	(78,051,980)	-	-	(78,051,980)	-	
Less FASB 106 Above if not separately removed	-					
Total	(1,467,786,970)	49,061,865	-	(1,516,848,835)	-	

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

A	B	C	D	E	F	G
ADIT-283	*Total*	*Gas, Prod Or Other Related*	*Only Transmission Related*	*Plant Related*	*Labor Related*	*Justification*
Reacquired Debt	(7,801,171)	(7,801,171)	-	-	-	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. Related to all functions. Excluded here since it is included in Cost of Debt.
Maryland Property Taxes	(7,434,306)	-	-	(7,434,306)	-	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.
Prepaid Interest	(599,213)	-	-	-	(599,213)	For book purposes, prepaid expenses, which related to a future period but are paid in the current period, must be capitalzied and amortized to the balance sheet as an assset. 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	(27,712)	-	-	-	(27,712)	For book purposes, prepaid expenses, which related to a future period but are paid in the current period, must be capitalzied and amortized to the balance sheet as an assset. 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.
Regulatory Asset - Blueprint	(18,377,487)	(18,377,487)	-	-	-	When a regulatory asset/liability is established, books credits/debits income, which for tax purposes needs to be reversed along with the associated amortization
Regulatory Asset - DSM	(117,290,880)	(117,290,880)	-	-	-	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 - MAPP Transmission	2,507,381	-	2,507,381	-	-	Represents deferred taxes on MAPP abandonment costs that are currently deductible for income tax purposes, versus amounts included in the MAPP Regulatory Asset that are amortized to book expense over a longer time period
Regulatory Asset - FERC Formula Rate True-up	(1,887,801)	-	(1,887,801)	-	-	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.
Regulatory Assets	(76,081,599)	(63,352,069)	-	-	(12,729,530)	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.
Pension Plan Contribution	(116,932,860)	-	-	-	(116,932,860)	The company is allowed to deduct for tax purposes all payments made to fund the General Retirement Plan per ERISA. For book purposes pension plan contributions are governed by FAS 106. This timing difference represents the excess tax payment over book. Affects company personnel across all functions.
FAS 109 - Regulatory Asset	(57,267,343)	-	-	(57,267,343)	-	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
Subtotal - p277 (Form 1-F filer: see note 6, below)	(401,192,991)	(206,821,606)	619,579	(64,701,649)	(130,289,315)	
Less FASB 109 Above if not separately removed	(57,267,343)	-	-	(57,267,343)	-	
Less FASB 106 Above if not separately removed	-					
Total	(343,925,648)	(206,821,606)	619,579	(7,434,306)	(130,289,315)	

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	2,277,589	208,120
5	Total		2,277,589	208,120
6	Total Form No. 1 (p 266 & 267)	Form No. 1 balance (p	2,277,589	208,120
7	Difference /1		-	-

/1 Difference must be zero

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)	$ 10,510,035	100%	$10,510,035
1a Other Personal Property Tax (excluded)	$ 34,373,645	0%	$ -
2 Capital Stock Tax		17.8432%	$ -
3 Gross Premium (insurance) Tax		17.8432%	$ -
4 PURTA		17.8432%	$ -
5 Corp License		17.8432%	$ -
		17.8432%	$ -
Total Plant Related	44,883,680		10,510,035
Labor Related		***Wages & Salary Allocator***	
6 Federal FICA & Unemployment & state unemployment	6,035,162		
Total Labor Related	6,035,162	9.9087%	598,005
Other Included		***Gross Plant Allocator***	
7 Miscellaneous	40,763		
Total Other Included	40,763	17.8432%	7,273
Total Included			11,115,313

Currently Excluded	
8 Franchise	24,247,858
9 kWhTax - State Gross Receipt (Excise Tax)	83,231,221
10 Electric environmental surcharge	2,173,795
11 Universal service fee	8,233,677
12 Montgomery County Fuel	142,725,925
13 PSC assessment	9,345,505
14 Real property (State, Municipal or Local)	7,542,745
15 DC Right of Way	23,157,138
16 Use & Sales Tax	3,959,248
17 FHUT	8,514
18 DC Ballpark	16,500
19 DC Reliable Energy Trust Fund	17,121,179
20 Misc. Other	0
21 Total "Other" Taxes (included on p. 263)	372,722,908
22 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	372,722,908
23 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

Allocation of Property taxes to Transmission Function
Year Ended December 31, 2015

Assessable Plant

Transmission	$	937,157,656
Distribution	$	2,972,053,110
General	$	161,174,158
Total T,D&Genl	$	4,070,384,924
Plant ratios by Jurisdiction		
Transmission Ratio		0.2302380914
Distribution ratio		0.7301651234
General Ratio		0.0395967853
		1.0000000000
Property Taxes	$	44,883,680
Transmission Property Tax	$	10,333,933
Distribution Property tax	$	32,772,498
General Property Tax	$	1,777,249
Total check	$	44,883,680
General Property Tax	$	1,777,249
Trans Labor Ratio		9.909%
Trans General		176,102

Total Transmission Property Taxes		
Transmission	$	10,333,933
General	$	176,102
Total Transmission Property Taxes	$	10,510,035

Potomac Electric Power Company

Attachment 3 - Revenue Credit Workpaper

	Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)		11,326,926
2	Total Rent Revenues	(Sum Lines 1)	11,326,926
	Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A		$ 597,392
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)		1,627,373
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)	13,551,691
12	Less line 17g		(7,938,029)
13	Total Revenue Credits		5,613,662
	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.		11,326,926
17b	Costs associated with revenues in line 17a	Attachment 5 - Cost Support	4,549,133
17c	Net Revenues (17a - 17b)		6,777,793
17d	50% Share of Net Revenues (17c / 2)		3,388,897
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)		3,388,897
17g	Line 17f less line 17a		(7,938,029)
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.		69,593,147
19	Amount offset in line 4 above		158,269,092
20	Total Account 454, 456 and 456.1		241,413,930
21	Note 4: SECA revenues booked in Account 447.		

Potomac Electric Power Company

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

	Return and Taxes with 100 Basis Point increase in ROE			
A	100 Basis Point increase in ROE and Income Taxes		(Line 127 + Line 138)	83,632,800
B	100 Basis Point increase in ROE			1.00%

Return Calculation

59	Rate Base		(Line 39 + 58)	688,326,920
	Long Term Interest			
100	**Long Term Interest**		p117.62c through 67c	124,396,416
101	Less LTD Interest on Securitization E (Note P)		Attachment 8	0
102	Long Term Interest		"(Line 100 - line 101)"	124,396,416
103	Preferred Dividends	enter positive	p118.29c	0
	Common Stock			
104	Proprietary Capital		p112.16c	2,240,754,792
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)	2,239,108,425
	Capitalization			
108	Long Term Debt		p112.17c through 21c	2,334,500,000
109	Less Loss on Reacquired Debt	enter negative	p111.81c	-19,446,431
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	0
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	7,801,171
112	Less LTD on Securitization Bonds	enter negative	Attachment 8	0
113	Total Long Term Debt		(Sum Lines 108 to 112)	2,322,854,740
114	Preferred Stock		p112.3c	0
115	Common Stock		(Line 107)	2,239,108,425
116	Total Capitalization		(Sum Lines 113 to 115)	4,561,963,165
117	Debt %	Total Long Term Debt	(Line 113 / 116)	51%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0%
119	Common %	Common Stock	(Line 115 / 116)	49%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0536
121	Preferred Cost	Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost (Note J from Appendix A)	Common Stock	Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0273
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0564
126	Total Return (R)		**(Sum Lines 123 to 125)**	**0.0837**
127	Investment Return = Rate Base * Rate of Return		**(Line 59 * 126)**	**57,621,649**

Composite Income Taxes

	Income Tax Rates			
128	FIT=Federal Income Tax Rate			35.00%
129	SIT=State Income Tax Rate or Composite			7.94%
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)} =		40.16%
132	T/ (1-T)			67.12%
	ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative	p266.8f	(208,120)
134	T/(1-T)		(Line 132)	67%
135	Net Plant Allocation Factor		(Line 18)	18.9094%
136	**ITC Adjustment Allocated to Transmission**	(Note I from Appendix A)	(Line 133 * (1 + 134) * 135)	**-65,768**
137	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		26,076,919
138	**Total Income Taxes**			**26,011,151**

Potomac Electric Power 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	$ 23,998,638	23,998,638	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	$ 2,277,589	2,277,589	0	Respondent is Electric Utility only.
	Materials and Supplies						
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	$ 2,422,856	2,422,856	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	$ (29,816)	-29,816	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	$ 78,605,231	0	78,605,231	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	$ 7,529,520,714	0	0	See ARO Exclusion - Cost Support section below for Electric Plant in Servie without AROs
	Plant In Service						
19	Transmission Plant In Service	(Note B)	p207.58.g	$ 1,301,956,628	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	$ 423,932,260	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	$ 268,880	268,880	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
	Allocated General & Common Expenses						
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	$ 4,421,392	433,416	3,987,976	FERC Form 1 page 351.1 line 28, transmission related only.
	Directly Assigned A&G						
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	$ 4,421,392	433,416	3,987,976	FERC Form 1 page 351.1 line 28, transmission related portion 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
	Directly Assigned A&G						
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	$ 1,499,269	-	1,499,269	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
	Income Tax Rates								
				Maryland	DC	Enter State	Enter State	Enter State	Enter Calculation
129	SIT=State Income Tax Rate or Composite	(Note I)	7.942%	8.25%	9.400%	Enter %	Enter %	Enter %	Apportioned: MD 4.62%, DC 3.32%

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
	Directly Assigned A&G						
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	$ 1,499,269	0	1,499,269	None

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
149	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,			Or	
	the following formula will be used:	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
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	69,988,241	9.91%	6,934,914	
Plant Related	3,784,245	17.84%	675,231	
Other		0.00%	-	
Total Transmission Related Reserves	73,772,486		7,610,145	

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		9.909%		
Pension Liabilities, if any, in Account 242	-	9.909%	-	
Prepayments	$ 19,243,254	9.909%	1,906,753	
Prepaid Pensions if not included in Prepayments	$ 291,485,327	9.909%	28,882,361	Prepaid Pension is recorded in FERC account 186 (see FERC Form 1 page 233).
	310,728,581	9.91%	30,789,114	

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
				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	$ -	$ -

Potomac Electric Power 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
	Revenue Credits & Interest on Network Credits				
155	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
	Net Revenue Requirement		
171	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
	Network Zonal Service Rate				
173	1 CP Peak	(Note L)	PJM Data	6,267.7	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 Tranmission 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

Potomac Electric Power Company

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)

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.

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	31,957,925	11,335	31,946,590
68	Total A&G	p323.197.b	134,609,318	5,978,256	128,631,062

ARO Exclusion - Cost Support

			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	7,529,520,714	283,373	7,529,237,341
9	Accumulated Depreciation (Total Electric Plant)	p219.29c	2,728,947,644	145,876	2,728,801,768
23	General & Intangible	p205.5.g & p207.99.g	307,532,021	283,373	307,248,648
31	Accumulated General Depreciation	p219.28.c	140,969,432	145,876	140,823,556

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	134,609,318	31,319,735	2,002,643	2,007,879	The actuarially determined amount of OPEB expense in FERC 926 increased $.149 million from the prior year; the increase reflects a $1.2M increase in amortization of unrecognized gain/loss from assumption changes, primarily a change in the mortality table and decrease in the discount rate, $0.3M increase in expected return on plan assets, offset by ($0.6M) in service cost , and ($0.7M) in interest cost. This increase was offset by a $0.154 increase 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	$ 4,549,133
	Revenue Subject to 50/50 sharing (Attachment 3 - line 17a)	$ 11,326,926
	Federal Income Tax Rate	35.00%
	Federal Tax on Revenue subject to 50/50 sharing	3,964,424
	Net Revenue subject to 50/50 sharing	7,362,502
	Composite State Income Tax Rate	7.942%
	State Tax on Revenue subject to 50/50 sharing	584,709
	Total Tax on Revenue subject to 50/50 sharing	$ 4,549,133

Attachment 6 - Estimate and Reconciliation Worksheet

Step 9 - Reconciliation adjustment to reflect ROE Settlement in FERC Docket Nos. EL13-48 , EL15-27 and ER16-456

True-up amount - calculated at 11.3% ROE (Reconciliation Steps 1 - 9	2,161,930	(a)
True-up amount - calculated at 10.5% ROE (Reconciliation Steps 1 - 9)	(2,244,354)	(b)
# of days in rate year at 11.3% ROE (June 1, 2015 to March 7, 2016)	281	(c)
# of days in rate year at 10.5% ROE (March 8, 2016 to May 31, 2016)	85	(d)
	366	(e)
11.3% ROE proration factor	76.7760%	(f)
10.5% ROE proration factor	23.2240%	(g)
Prorated true-up amount at 11.3% ROE	1,659,843	(a) x (f)
Prorated true-up amount at 10.5% ROE	(521,230)	(b) x (g)
Adjusted true-up for prorated ROE's	1,138,613	(1)
ROE Settlement refund per Article II section 2.2	(14,216,703)	(h)
Interest associated with rate-year monthly amortization	(260,070)	(i)
Total ROE Settlement refund	(14,476,773)	(2)
Total true-up amount	(13,338,160)	(1) + (2)
True-up per attachment 6 (step 9 - 11.3% ROE)	2,161,930	Attachment 6
True-up adjustment (carry to Attachment 6 - step 9)	(15,500,091)	Attachment 6

True-up Summary:

Prorated true-up amount at 11.3% ROE	1,659,843
Prorated true-up amount at 10.5% ROE	(521,230)
Total refund per ROE Settlement	(14,476,773)
Total true-up amount	(13,338,160)

Potomac Electric Power Company

Attachment 5a - Allocations of Costs to Affiliate

	Delmarva Power	Atlantic City	Pepco	Non - Regulated	Total
Executive Management	$ 11,622,846	$ 9,931,814	$ 19,914,849	$ 5,363,748	$ 46,833,257
Procurement & Administrative Services	6,803,279	4,747,615	9,948,927	397,985	21,897,805
Financial Services & Corporate Expenses	14,392,550	11,405,597	20,949,763	2,548,058	49,295,968
Insurance Coverage and Services	2,936,213	2,443,681	3,976,915	972,086	10,328,895
Human Resources	4,702,235	3,243,502	7,277,658	960,297	16,183,692
Legal Services	2,445,274	2,313,475	6,008,550	2,088,341	12,855,641
Audit Services	950,754	845,150	1,487,115	241,906	3,524,925
Customer Services	61,881,891	53,570,456	52,835,175	7,688	168,295,210
Utility Communication Services	266,488	200,497	415,547	-	882,532
Information Technology	16,532,766	12,290,845	32,565,022	400,519	61,789,153
External Affairs	3,064,379	2,353,071	4,767,843	916,269	11,101,562
Environmental Services	2,147,139	1,834,467	1,986,566	111,504	6,079,676
Safety Services	367,769	465,172	587,283	-	1,420,224
Regulated Electric & Gas T&D	36,940,868	28,738,421	49,154,897	402,956	115,237,143
Internal Consulting Services	553,737	364,355	854,552	-	1,772,645
Interns	239,606	108,950	125,236	-	473,792
Cost of Benefits	13,366,740	8,288,720	22,656,508	1,048,369	45,360,337
Building Services	-	117,184	4,297,944	-	4,415,128
Total	**$ 179,214,534**	**$ 143,262,973**	**$ 239,810,349**	**$ 15,459,727**	**$ 577,747,583**

Name of Respondent	This Report Is:	Resubmission Date (Mo, Da, Yr)	Year/Period of Report
PHI Service Company	(1) [X] An Original (2) [ ] A Resubmission	/ /	Dec 31, 2015

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	58,154,693	181,123,595	532,061	239,810,349
2	Delmarva Power & Light Company	43,706,288	135,113,643	394,603	179,214,534
3	Atlantic City Electric Company	29,494,183	113,464,006	304,784	143,262,973
4	Pepco Energy Services, Inc.	2,339,977	4,632,294	19,854	6,992,125
5	Pepco Holdings, Inc.	4,330,208	2,327,371	14,805	6,672,384
6	Thermal Energy Limited Partnership	16,780	741,989	1,763	760,532
7	ATS Operating Services, Inc.	96	278,232	741	279,069
8	Atlantic Southern Properties, Inc.	7,860	197,738	461	206,059
9	Potomac Capital Investment Corporation	95,414	69,901	502	165,817
10	Conectiv Properties & Investments, Inc.	175	148,928	363	149,466
11	Conectiv Thermal Systems, Inc.	2,476	94,635	254	97,365
12	Conectiv, LLC	11,532	69,455	214	81,201
13	Atlantic City Electric Transition Funding, LLC	41,005	5,674	101	46,780
14	Conectiv Energy Supply, Inc.	3,196	1,312	11	4,519
15	Conectiv Communications, Inc.	7	1,436	4	1,447
16	Delaware Operating Services Company, LLC	18	1,031		1,049
17	Conectiv Services II, Inc.	5	946	3	954
18	Conectiv North East, LLC	29	480	2	511
19	ATE Investment, Inc.	265	169	1	435
20	Atlantic Generation, Inc.	8	1		9
21	Conectiv Solutions LLC	4	1		5
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40	Total	138,204,219	438,272,837	1,270,527	577,747,583

Service Company Billing Analysis by Utility FERC Account
YTD Dec 2015
Total PHI

FERC Accounts	FERC Account Name	DPL	ACE	PEPCO	Non-Utility	Total	Inclusion in ATRR
107	Constr Work In Progress	26,825,416	18,942,305	37,932,712	-	83,700,433	Not included
182.3	Other Regulatory Assets	5,460,712	412,293	10,748,214	-	16,621,219	Not included
184	Clearing Accounts - Other	112,531	(281,147)	243,565	(90,887)	(15,938)	Not included
408.1	Taxes other than inc taxes, utility operating inc	1,689	417	1,869	-	3,975	Not included
416-421.2	Other Income -Below the Line	560,693	639,225	1,007,672	15,550,614	17,758,203	Not included
426.1-426.5	Other Income Deductions - Below the Line	2,507,498	1,962,834	3,959,947	-	8,430,279	Not included
430	Interest-Debt to Associated Companies	421,083	325,336	567,737	-	1,314,155	Not included
431	Interest-Short Term Debt	(26,480)	(20,551)	(35,675)	-	(82,707)	Not included
556	System cont & load dispatch	2,079,683	1,803,109	1,792,244	-	5,675,037	Not included
557	Other expenses	1,284,612	1,190,052	1,810,559	-	4,285,224	Not included
560	Operation Supervision & Engineering	2,534,655	2,301,448	3,986,086	-	8,822,189	100% included
561.1	Load Dispatching - Reliability	14,024	13,489	-	-	27,513	100% included
561.2	Load Dispatch - Monitor & Operate Transmission Sys	92,489	27,473	1,053,426	-	1,173,387	100% included
561.3	Load Dispatch - Transmission Service & Scheduling	6,974	29,802	36,786	-	73,561	100% included
561.5	Reliability, Planning and Standards	318,713	306,817	72,469	-	697,999	100% included
563	Overhead line expenses	-	-	426	-	426	100% included
562	Station expenses	-	-	15,038	-	15,038	100% included
564	Underground Line Expenses - Transmission	-	-	6,022	-	6,022	100% included
566	Miscellaneous transmission expenses	575,150	466,977	400,103	-	1,442,231	100% included
568	Maintenance Supervision & Engineering	99,986	119,307	513,198	-	732,491	100% included
569.2	Maintenance of Computer Software	692,629	291,080	515,966	-	1,499,676	100% included
569.4	Maintenance of Transmission Plant	-	-	16	-	16	100% included
570	Maintenance of station equipment	179,932	81,307	368,761	-	630,000	100% included
571	Maintenance of overhead lines	208,286	171,938	336,455	-	716,679	100% included
572	Maintenance of underground lines	617	145	31,460	-	32,222	100% included
573	Maintenance of miscellaneous transmission plant	69,397	43,352	176,608	-	289,357	100% included
575.5	Ancillary services market administration	-	-	9,466		9,466	Not included
580	Operation Supervision & Engineering	932,222	413,084	1,158,728	-	2,504,033	Not included
581	Load dispatching	897,505	609,744	1,583,486	-	3,090,735	Not included
582	Station expenses	925,717	-	110,189	-	1,035,906	Not included
583	Overhead line expenses	105,764	221,000	40,256	-	367,020	Not included
584	Underground line expenses	33,248	-	249,828	-	283,076	Not included
585	Street lighting	22,790	-	263	-	23,053	Not included
586	Meter expenses	820,745	363,152	1,120,091	-	2,303,988	Not included
587	Customer installations expenses	75,048	433,573	459,731	-	968,352	Not included
588	Miscellaneous distribution expenses	5,245,589	5,366,288	8,168,015	-	18,779,892	Not included
589	Rents	42,788	4,270	110,212	-	157,269	Not included
590	Maintenance Supervision & Engineering	849,079	650,593	353,503	-	1,853,176	Not included
591	Maintain structures	-	-	832	-	832	Not included
592	Maintain equipment	675,851	584,389	1,159,558	-	2,419,798	Not included
593	Maintain overhead lines	1,259,886	1,754,712	1,644,100	-	4,658,698	Not included
594	Maintain underground line	116,336	77,706	620,650	-	814,692	Not included
595	Maintain line transformers	1,601	1,660	206,550	-	209,810	Not included
596	Maintain street lighting & signal systems	57,840	39,098	13,385	-	110,323	Not included
597	Maintain meters	29,424	34,594	102,937	-	166,954	Not included
598	Maintain distribution plant	52,761	16,021	800,876	-	869,658	Not included
800-894	Total Gas Accounts	2,312,645	-	-	-	2,312,645	Not included
902	Meter reading expenses	159,479	49,499	57,472	-	266,450	Not included
903	Customer records and collection expenses	55,012,070	53,333,101	49,706,832	-	158,052,004	Not included
907	Supervision - Customer Svc & Information	89,859	155,383	136,073	-	381,314	Not included
908	Customer assistance expenses	2,242,487	540,910	814,118	-	3,597,515	Not included
909	Informational & instructional advertising	168,512	164,860	244,743	-	578,116	Not included
910	Miscellaneous customer service	1	-	-		1	Not included
912	Demonstrating and selling expense	185,430	-	-	-	185,430	Not included
913	Advertising expense	47,466	-	-	-	47,466	Not included
920	Administrative & General salaries	334,674	102,020	622,253	-	1,058,947	Wage & Salary Factor
921	Office supplies & expenses	17,141	15,321	28,536	-	60,998	Wage & Salary Factor
923	Outside services employed	49,753,374	42,003,778	83,770,249	-	175,527,401	Wage & Salary Factor
924	Property insurance	4,302	3,183	5,843	-	13,327	Net Plant Factor
925	Injuries & damages	2,185,302	1,663,383	3,526,490	-	7,375,175	Wage & Salary Factor
926	Employee pensions & benefits	7,447,074	3,965,508	12,073,981	-	23,486,563	Wage & Salary Factor
928	Regulatory commission expenses	1,269,715	439,944	1,723,002	-	3,432,661	Direct Transmission Only
929	Duplicate charges-Credit	246,073	146,790	1,304,156	-	1,697,018	Wage & Salary Factor
930.1	General ad expenses	93	92	9,323	-	9,508	Direct Transmission Only
930.2	Miscellaneous general expenses	1,143,547	1,008,970	1,998,079	-	4,150,596	Wage & Salary Factor
931	Rents	1	2	-	-	3	Wage & Salary Factor
935	Maintenance of general plant	430,806	273,340	334,877	-	1,039,024	Wage & Salary Factor
	Total	**179,214,534**	**143,262,973**	**239,810,349**	**15,459,727**	**577,747,583**	

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)

163,729,150 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) 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	8,172,728				10.5	85,813,645	-	-	-	7,151,137	-	-	-	
Mar					9.5	-	-	-	-	-	-	-	-	
Apr	51,852,352				8.5	440,744,994	-	-	-	36,728,749	-	-	-	
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	60,025,080	-	-	-		526,558,638	-	-	-	43,879,887	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										43,879,887	-	-	-	
								Input to Line 21 of Appendix A		43,879,887	-		-	43,879,887
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		3.23	#DIV/0!	#DIV/0!	#DIV/0!	

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula

$ 43,879,887 Input to Formula Line 21

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

168,280,036 — 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)

$ 168,280,036

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2005)

177,160,993 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 $ 84,083,872 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	$1,323,165				11.5	15,216,398	-	-	-	1,268,033	-	-	-	
Feb	$7,666,710				10.5	80,500,455	-	-	-	6,708,371	-	-	-	
Mar	$321,061				9.5	3,050,083	-	-	-	254,174	-	-	-	
Apr	$18,866,941				8.5	160,369,002	-	-	-	13,364,083	-	-	-	
May	$25,955,422				7.5	194,665,664	-	-	-	16,222,139	-	-	-	
Jun	$7,273,461				6.5	47,277,498	-	-	-	3,939,791	-	-	-	
Jul	$391,547				5.5	2,153,510	-	-	-	179,459	-	-	-	
Aug	$3,343,590				4.5	15,046,155	-	-	-	1,253,846	-	-	-	
Sep	$6,338,427				3.5	22,184,494	-	-	-	1,848,708	-	-	-	
Oct	$1,563,797				2.5	3,909,493	-	-	-	325,791	-	-	-	
Nov	$6,797,509				1.5	10,196,263	-	-	-	849,689	-	-	-	
Dec	$4,242,241				0.5	2,121,121	-	-	-	176,760	-	-	-	
Total	84,083,872	-	-	-		556,690,135	-	-	-	46,390,845	-	-	-	
New Transmission Plant Additions and CWIP (weighted by months in service)										46,390,845	-	-	-	
								Input to Line 21 of Appendix A		46,390,845	-		-	46,390,845
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		5.38	#DIV/0!	#DIV/0!	#DIV/0!	

173,464,355 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) 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					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)								0		11,057,930	-	-	-	
158,951,000								Input to Line 21 of Appendix A		11,057,930	-		-	11,057,930
								Input to Line 43a of Appendix A				-		-
								Month In Service or Month for CWIP		5.50	#DIV/0!	#DIV/0!	#DIV/0!	

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			
173,464,355	-	171,376,341	=	2,088,013	See footnote 1 Attachment 5 - Cost Support 1

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March o 0.2800%

Month	Yr	1/12 of Step 9	Interest rate for March of the Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	174,001	0.2800%	11.5	5,603	179,604
Jul	Year 1	174,001	0.2800%	10.5	5,116	179,117
Aug	Year 1	174,001	0.2800%	9.5	4,628	178,630
Sep	Year 1	174,001	0.2800%	8.5	4,141	178,142
Oct	Year 1	174,001	0.2800%	7.5	3,654	177,655
Nov	Year 1	174,001	0.2800%	6.5	3,167	177,168
Dec	Year 1	174,001	0.2800%	5.5	2,680	176,681
Jan	Year 2	174,001	0.2800%	4.5	2,192	176,194
Feb	Year 2	174,001	0.2800%	3.5	1,705	175,706
Mar	Year 2	174,001	0.2800%	2.5	1,218	175,219
Apr	Year 2	174,001	0.2800%	1.5	731	174,732
May	Year 2	174,001	0.2800%	0.5	244	174,245
Total		2,088,013				2,123,092

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	2,123,092	0.2800%	180,161	1,948,876
Jul	Year 2	1,948,876	0.2800%	180,161	1,774,172
Aug	Year 2	1,774,172	0.2800%	180,161	1,598,979
Sep	Year 2	1,598,979	0.2800%	180,161	1,423,295
Oct	Year 2	1,423,295	0.2800%	180,161	1,247,119
Nov	Year 2	1,247,119	0.2800%	180,161	1,070,450
Dec	Year 2	1,070,450	0.2800%	180,161	893,287
Jan	Year 3	893,287	0.2800%	180,161	715,627
Feb	Year 3	715,627	0.2800%	180,161	537,470
Mar	Year 3	537,470	0.2800%	180,161	358,814
Apr	Year 3	358,814	0.2800%	180,161	179,658
May	Year 3	179,658	0.2800%	180,161	(0)
Total with interest				2,161,930	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest		2,161,930	
True-up Adjustment for ROE Settlement		(15,500,091)	Attachment 5 - Cost Support
Total true-up amount		(13,338,160)	
Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 8)	$	158,951,000	
Revenue Requirement for Year 3		145,612,840	

10 May Year 3 Post results of Step 9 on PJM web site

$ 145,612,840 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)

$ 145,612,840

Potomac Electric Power Company

Attachment 7 - Transmission Enhancement Charge Worksheet

Line					
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	14.6990%
5		B	167	Net Plant Carrying Charge per 100 Basis Point in ROE without Deprecia	15.3421%
6		C		Line B less Line A	0.6430%
7	**FCR if a CIAC**				
8		D	161	Net Plant Carrying Charge without Depreciation, Return, nor Income Ta	5.8169%

9 **The FCR resulting from Formula in a given year is used for that year only.**

10 **Therefore actual revenues collected in a year do not change based on cost data for subsequent years**

11 **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**

Line		Details		B0288 Brighton Sub				B0251 Bells Mill 230kV Capacitors			
12	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes				Yes			
13	Useful life of project	Life		35				35			
14	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 18, Otherwise "No"	CIAC	(Yes or No)	No				No			
15	Input the allowed ROE Incentive	Increased ROE (Basis Points)		150				0			
16	From line 4 above if "No" on line 14 and From line 8 above if "Yes" on line 14	Base FCR		14.6990%				14.6990%			
17	Line 6 times line 15 divided by 100 basis points	FCR for This Project		15.6636%				14.6990%			
18	Columns A, B or C from Attachment 6	Investment		33,558,380				6,986,903			
19	Line 18 divided by line 13	Annual Depreciation/ Amortization Exp		958,811				199,626			
20	From Columns H, I or J from Attachment 6	Month In Service or Month for CWIP		6.50				5.50			
			Invest Yr	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue
37		Base FCR	2016	27,366,060	958,811	26,407,249	4,840,416	5,880,643	199,626	5,681,018	1,034,679
38		W Increased ROE	2016	27,366,060	958,811	26,407,249	5,095,128	5,880,643	199,626	5,681,018	1,034,679
39		Base FCR	2017	26,407,249	958,811	25,448,438	4,699,481	5,681,018	199,626	5,481,392	1,005,336
40		W Increased ROE	2017	26,407,249	958,811	25,448,438	4,944,944	5,681,018	199,626	5,481,392	1,005,336
41		Base FCR	2018	25,448,438	958,811	24,489,627	4,558,545	5,481,392	199,626	5,281,766	975,993
42		W Increased ROE	2018	25,448,438	958,811	24,489,627	4,794,760	5,481,392	199,626	5,281,766	975,993
43		Base FCR	2019	24,489,627	958,811	23,530,816	4,417,609	5,281,766	199,626	5,082,140	946,650
44		W Increased ROE	2019	24,489,627	958,811	23,530,816	4,644,576	5,281,766	199,626	5,082,140	946,650
45		Base FCR	2020	23,530,816	958,811	22,572,006	4,276,673	5,082,140	199,626	4,882,514	917,307
46		W Increased ROE	2020	23,530,816	958,811	22,572,006	4,494,392	5,082,140	199,626	4,882,514	917,307
47		Base FCR	2021	22,572,006	958,811	21,613,195	4,135,738	4,882,514	199,626	4,682,889	887,964
48		W Increased ROE	2021	22,572,006	958,811	21,613,195	4,344,208	4,882,514	199,626	4,682,889	887,964
49		Base FCR	2022	21,613,195	958,811	20,654,384	3,994,802	4,682,889	199,626	4,483,263	858,621
50		W Increased ROE	2022	21,613,195	958,811	20,654,384	4,194,024	4,682,889	199,626	4,483,263	858,621
51		Base FCR	2023	20,654,384	958,811	19,695,573	3,853,866	4,483,263	199,626	4,283,637	829,278
52		W Increased ROE	2023	20,654,384	958,811	19,695,573	4,043,840	4,483,263	199,626	4,283,637	829,278
53		Base FCR	2024	19,695,573	958,811	18,736,762	3,712,930	4,283,637	199,626	4,084,011	799,935
54		W Increased ROE	2024	19,695,573	958,811	18,736,762	3,893,656	4,283,637	199,626	4,084,011	799,935
55		Base FCR	2025	18,736,762	958,811	17,777,951	3,571,995	4,084,011	199,626	3,884,385	770,592
56		W Increased ROE	2025	18,736,762	958,811	17,777,951	3,743,472	4,084,011	199,626	3,884,385	770,592
57		Base FCR	2026	17,777,951	958,811	16,819,140	3,431,059	3,884,385	199,626	3,684,760	741,249
58		W Increased ROE	2026	17,777,951	958,811	16,819,140	3,593,288	3,884,385	199,626	3,684,760	741,249
59		Base FCR	2027	16,819,140	958,811	15,860,330	3,290,123	3,684,760	199,626	3,485,134	711,906
60		W Increased ROE	2027	16,819,140	958,811	15,860,330	3,443,104	3,684,760	199,626	3,485,134	711,906
61			....		....	.....	....		....	.....	....
62			....	....	.....	.....	....	....	.....	.....	....
63											

C: 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%

B0252 Northern System Rel -3 230 Caps				BO319 Burches Hill 500/230 kV transformer - second 1000 MVA				BO367.1/BO367.2 Reconductor Dickerson-Quince Orchard 230 kV				BO512.7 Chalk Point 230 kV Breaker 1A			
Yes				No				Yes				Yes			
35				35				35				35			
No				No				No				No			
0				150				150				0			
14.6990%				14.6990%				14.6990%				14.6990%			
14.6990%				15.6636%				15.6636%				14.6990%			
5,013,166				36,700,000				20,000,000				2,000,000			
143,233				1,048,571				571,429				57,143			
5.50				8.00				8.00				8.00			
Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue
4,219,415	143,233	4,076,181	742,392	32,156,190	1,048,571	31,107,619	5,621,085	17,523,810	571,429	16,952,381	3,063,262	1,752,381	57,143	1,695,238	306,326
4,219,415	143,233	4,076,181	742,392	32,156,190	1,048,571	31,107,619	5,921,135	17,523,810	571,429	16,952,381	3,226,776	1,752,381	57,143	1,695,238	306,326
4,076,181	143,233	3,932,948	721,338	31,107,619	1,048,571	30,059,048	5,466,955	16,952,381	571,429	16,380,952	2,979,267	1,695,238	57,143	1,638,095	297,927
4,076,181	143,233	3,932,948	721,338	31,107,619	1,048,571	30,059,048	5,756,891	16,952,381	571,429	16,380,952	3,137,270	1,695,238	57,143	1,638,095	297,927
3,932,948	143,233	3,789,715	700,284	30,059,048	1,048,571	29,010,476	5,312,826	16,380,952	571,429	15,809,524	2,895,273	1,638,095	57,143	1,580,952	289,527
3,932,948	143,233	3,789,715	700,284	30,059,048	1,048,571	29,010,476	5,592,647	16,380,952	571,429	15,809,524	3,047,764	1,638,095	57,143	1,580,952	289,527
3,789,715	143,233	3,646,481	679,230	29,010,476	1,048,571	27,961,905	5,158,696	15,809,524	571,429	15,238,095	2,811,278	1,580,952	57,143	1,523,810	281,128
3,789,715	143,233	3,646,481	679,230	29,010,476	1,048,571	27,961,905	5,428,404	15,809,524	571,429	15,238,095	2,958,258	1,580,952	57,143	1,523,810	281,128
3,646,481	143,233	3,503,248	658,176	27,961,905	1,048,571	26,913,333	5,004,566	15,238,095	571,429	14,666,667	2,727,284	1,523,810	57,143	1,466,667	272,728
3,646,481	143,233	3,503,248	658,176	27,961,905	1,048,571	26,913,333	5,264,160	15,238,095	571,429	14,666,667	2,868,752	1,523,810	57,143	1,466,667	272,728
3,503,248	143,233	3,360,015	637,122	26,913,333	1,048,571	25,864,762	4,850,437	14,666,667	571,429	14,095,238	2,643,290	1,466,667	57,143	1,409,524	264,329
3,503,248	143,233	3,360,015	637,122	26,913,333	1,048,571	25,864,762	5,099,916	14,666,667	571,429	14,095,238	2,779,246	1,466,667	57,143	1,409,524	264,329
3,360,015	143,233	3,216,782	616,069	25,864,762	1,048,571	24,816,190	4,696,307	14,095,238	571,429	13,523,810	2,559,295	1,409,524	57,143	1,352,381	255,930
3,360,015	143,233	3,216,782	616,069	25,864,762	1,048,571	24,816,190	4,935,672	14,095,238	571,429	13,523,810	2,689,740	1,409,524	57,143	1,352,381	255,930
3,216,782	143,233	3,073,548	595,015	24,816,190	1,048,571	23,767,619	4,542,177	13,523,810	571,429	12,952,381	2,475,301	1,352,381	57,143	1,295,238	247,530
3,216,782	143,233	3,073,548	595,015	24,816,190	1,048,571	23,767,619	4,771,429	13,523,810	571,429	12,952,381	2,600,234	1,352,381	57,143	1,295,238	247,530
3,073,548	143,233	2,930,315	573,961	23,767,619	1,048,571	22,719,048	4,388,048	12,952,381	571,429	12,380,952	2,391,307	1,295,238	57,143	1,238,095	239,131
3,073,548	143,233	2,930,315	573,961	23,767,619	1,048,571	22,719,048	4,607,185	12,952,381	571,429	12,380,952	2,510,728	1,295,238	57,143	1,238,095	239,131
2,930,315	143,233	2,787,082	552,907	22,719,048	1,048,571	21,670,476	4,233,918	12,380,952	571,429	11,809,524	2,307,312	1,238,095	57,143	1,180,952	230,731
2,930,315	143,233	2,787,082	552,907	22,719,048	1,048,571	21,670,476	4,442,941	12,380,952	571,429	11,809,524	2,421,221	1,238,095	57,143	1,180,952	230,731
2,787,082	143,233	2,643,848	531,853	21,670,476	1,048,571	20,621,905	4,079,788	11,809,524	571,429	11,238,095	2,223,318	1,180,952	57,143	1,123,810	222,332
2,787,082	143,233	2,643,848	531,853	21,670,476	1,048,571	20,621,905	4,278,698	11,809,524	571,429	11,238,095	2,331,715	1,180,952	57,143	1,123,810	222,332
2,643,848	143,233	2,500,615	510,799	20,621,905	1,048,571	19,573,333	3,925,659	11,238,095	571,429	10,666,667	2,139,323	1,123,810	57,143	1,066,667	213,932
2,643,848	143,233	2,500,615	510,799	20,621,905	1,048,571	19,573,333	4,114,454	11,238,095	571,429	10,666,667	2,242,209	1,123,810	57,143	1,066,667	213,932
....	....	.....	....	....	....	.....	....	....	....	.....	....	....	....	.....	....
....	.....	.....	....	....	.....	.....	....	....	.....	.....	....	....	.....	.....	....

BO512.8 Chalk Point 230 kV Breaker 1B			
Yes			
35			
No			
0			
14.6990%			
14.6990%			
2,000,000			
57,143			
8.00			
Beginning	Depreciation	Ending	Revenue
1,752,381	57,143	1,695,238	306,326
1,752,381	57,143	1,695,238	306,326
1,695,238	57,143	1,638,095	297,927
1,695,238	57,143	1,638,095	297,927
1,638,095	57,143	1,580,952	289,527
1,638,095	57,143	1,580,952	289,527
1,580,952	57,143	1,523,810	281,128
1,580,952	57,143	1,523,810	281,128
1,523,810	57,143	1,466,667	272,728
1,523,810	57,143	1,466,667	272,728
1,466,667	57,143	1,409,524	264,329
1,466,667	57,143	1,409,524	264,329
1,409,524	57,143	1,352,381	255,930
1,409,524	57,143	1,352,381	255,930
1,352,381	57,143	1,295,238	247,530
1,352,381	57,143	1,295,238	247,530
1,295,238	57,143	1,238,095	239,131
1,295,238	57,143	1,238,095	239,131
1,238,095	57,143	1,180,952	230,731
1,238,095	57,143	1,180,952	230,731
1,180,952	57,143	1,123,810	222,332
1,180,952	57,143	1,123,810	222,332
1,123,810	57,143	1,066,667	213,932
1,123,810	57,143	1,066,667	213,932
....	....	.....	....
....	.....	.....	....

BO512.9 Chalk Point 230 kV Breaker 2A			
Yes			
35			
No			
0			
14.6990%			
14.6990%			
2,000,000			
57,143			
8.00			
Beginning	Depreciation	Ending	Revenue
1,752,381	57,143	1,695,238	306,326
1,752,381	57,143	1,695,238	306,326
1,695,238	57,143	1,638,095	297,927
1,695,238	57,143	1,638,095	297,927
1,638,095	57,143	1,580,952	289,527
1,638,095	57,143	1,580,952	289,527
1,580,952	57,143	1,523,810	281,128
1,580,952	57,143	1,523,810	281,128
1,523,810	57,143	1,466,667	272,728
1,523,810	57,143	1,466,667	272,728
1,466,667	57,143	1,409,524	264,329
1,466,667	57,143	1,409,524	264,329
1,409,524	57,143	1,352,381	255,930
1,409,524	57,143	1,352,381	255,930
1,352,381	57,143	1,295,238	247,530
1,352,381	57,143	1,295,238	247,530
1,295,238	57,143	1,238,095	239,131
1,295,238	57,143	1,238,095	239,131
1,238,095	57,143	1,180,952	230,731
1,238,095	57,143	1,180,952	230,731
1,180,952	57,143	1,123,810	222,332
1,180,952	57,143	1,123,810	222,332
1,123,810	57,143	1,066,667	213,932
1,123,810	57,143	1,066,667	213,932
....	....	.....	....
....	.....	.....	....

B0512.12 Chalk Point 230 kV Breaker 3A			
Yes			
35			
No			
0			
14.6990%			
14.6990%			
2,000,000			
57,143			
12.00			
Beginning	Depreciation	Ending	Revenue
1,771,429	57,143	1,714,286	309,126
1,771,429	57,143	1,714,286	309,126
1,714,286	57,143	1,657,143	300,727
1,714,286	57,143	1,657,143	300,727
1,657,143	57,143	1,600,000	292,327
1,657,143	57,143	1,600,000	292,327
1,600,000	57,143	1,542,857	283,928
1,600,000	57,143	1,542,857	283,928
1,542,857	57,143	1,485,714	275,528
1,542,857	57,143	1,485,714	275,528
1,485,714	57,143	1,428,571	267,129
1,485,714	57,143	1,428,571	267,129
1,428,571	57,143	1,371,429	258,729
1,428,571	57,143	1,371,429	258,729
1,371,429	57,143	1,314,286	250,330
1,371,429	57,143	1,314,286	250,330
1,314,286	57,143	1,257,143	241,930
1,314,286	57,143	1,257,143	241,930
1,257,143	57,143	1,200,000	233,531
1,257,143	57,143	1,200,000	233,531
1,200,000	57,143	1,142,857	225,132
1,200,000	57,143	1,142,857	225,132
1,142,857	57,143	1,085,714	216,732
1,142,857	57,143	1,085,714	216,732
....	....	.....	....
....	.....	.....	....

BO478 Burches Hill-Palmer Cr Upgrade 23090, 91, 92, 93			
Yes			
35			
No			
150			
14.6990%			
15.6636%			
15,875,382			
453,582			
6.00			
Beginning	Depreciation	Ending	Revenue
14,287,844	453,582	13,834,261	2,487,082
14,287,844	453,582	13,834,261	2,620,521
13,834,261	453,582	13,380,679	2,420,410
13,834,261	453,582	13,380,679	2,549,474
13,380,679	453,582	12,927,097	2,353,738
13,380,679	453,582	12,927,097	2,478,427
12,927,097	453,582	12,473,514	2,287,066
12,927,097	453,582	12,473,514	2,407,380
12,473,514	453,582	12,019,932	2,220,394
12,473,514	453,582	12,019,932	2,336,333
12,019,932	453,582	11,566,350	2,153,722
12,019,932	453,582	11,566,350	2,265,285
11,566,350	453,582	11,112,767	2,087,050
11,566,350	453,582	11,112,767	2,194,238
11,112,767	453,582	10,659,185	2,020,378
11,112,767	453,582	10,659,185	2,123,191
10,659,185	453,582	10,205,603	1,953,705
10,659,185	453,582	10,205,603	2,052,144
10,205,603	453,582	9,752,020	1,887,033
10,205,603	453,582	9,752,020	1,981,097
9,752,020	453,582	9,298,438	1,820,361
9,752,020	453,582	9,298,438	1,910,050
9,298,438	453,582	8,844,856	1,753,689
9,298,438	453,582	8,844,856	1,839,002
....	....	.....	....
....	.....	.....	....

BO499 Burches Hill Sub: Add 3rd 500/230kV	BO526 Ritchie-Benning: Install (2) 230kV Lines	BO701.1 Benning Sub: Add 3rd 230/69kV, 250MVA	BO496 Brighton Sub: Upgrade T1 500/230kv Transormer
Yes	Yes	Yes	Yes
35	35	35	35
No	No	No	No
150	0	0	150
14.6990%	14.6990%	14.6990%	14.6990%
15.6636%	14.6990%	14.6990%	15.6636%
29,544,357	58,581,170	5,226,954	19,021,804
844,124	1,673,748	149,342	543,480
6.00	6.00	6.00	2.00

BO499 Burches Hill Sub: Add 3rd 500/230kV

Beginning	Depreciation	Ending	Revenue
26,589,921	844,124	25,745,797	4,628,503
26,589,921	844,124	25,745,797	4,876,835
25,745,797	844,124	24,901,672	4,504,425
25,745,797	844,124	24,901,672	4,744,615
24,901,672	844,124	24,057,548	4,380,347
24,901,672	844,124	24,057,548	4,612,395
24,057,548	844,124	23,213,423	4,256,269
24,057,548	844,124	23,213,423	4,480,175
23,213,423	844,124	22,369,299	4,132,191
23,213,423	844,124	22,369,299	4,347,955
22,369,299	844,124	21,525,174	4,008,113
22,369,299	844,124	21,525,174	4,215,735
21,525,174	844,124	20,681,050	3,884,035
21,525,174	844,124	20,681,050	4,083,515
20,681,050	844,124	19,836,925	3,759,957
20,681,050	844,124	19,836,925	3,951,295
19,836,925	844,124	18,992,801	3,635,879
19,836,925	844,124	18,992,801	3,819,075
18,992,801	844,124	18,148,676	3,511,801
18,992,801	844,124	18,148,676	3,686,855
18,148,676	844,124	17,304,552	3,387,723
18,148,676	844,124	17,304,552	3,554,635
17,304,552	844,124	16,460,427	3,263,645
17,304,552	844,124	16,460,427	3,422,415
....	....	.....	....
....	.....	.....	....

BO526 Ritchie-Benning: Install (2) 230kV Lines

Beginning	Depreciation	Ending	Revenue
52,723,053	1,673,748	51,049,305	9,177,493
52,723,053	1,673,748	51,049,305	9,177,493
51,049,305	1,673,748	49,375,558	8,931,468
51,049,305	1,673,748	49,375,558	8,931,468
49,375,558	1,673,748	47,701,810	8,685,444
49,375,558	1,673,748	47,701,810	8,685,444
47,701,810	1,673,748	46,028,062	8,439,419
47,701,810	1,673,748	46,028,062	8,439,419
46,028,062	1,673,748	44,354,314	8,193,395
46,028,062	1,673,748	44,354,314	8,193,395
44,354,314	1,673,748	42,680,567	7,947,371
44,354,314	1,673,748	42,680,567	7,947,371
42,680,567	1,673,748	41,006,819	7,701,346
42,680,567	1,673,748	41,006,819	7,701,346
41,006,819	1,673,748	39,333,071	7,455,322
41,006,819	1,673,748	39,333,071	7,455,322
39,333,071	1,673,748	37,659,324	7,209,297
39,333,071	1,673,748	37,659,324	7,209,297
37,659,324	1,673,748	35,985,576	6,963,273
37,659,324	1,673,748	35,985,576	6,963,273
35,985,576	1,673,748	34,311,828	6,717,248
35,985,576	1,673,748	34,311,828	6,717,248
34,311,828	1,673,748	32,638,080	6,471,224
34,311,828	1,673,748	32,638,080	6,471,224
....	....	.....	....
....	.....	.....	....

BO701.1 Benning Sub: Add 3rd 230/69kV, 250MVA

Beginning	Depreciation	Ending	Revenue
4,704,259	149,342	4,554,917	818,869
4,704,259	149,342	4,554,917	818,869
4,554,917	149,342	4,405,576	796,918
4,554,917	149,342	4,405,576	796,918
4,405,576	149,342	4,256,234	774,966
4,405,576	149,342	4,256,234	774,966
4,256,234	149,342	4,106,892	753,014
4,256,234	149,342	4,106,892	753,014
4,106,892	149,342	3,957,551	731,063
4,106,892	149,342	3,957,551	731,063
3,957,551	149,342	3,808,209	709,111
3,957,551	149,342	3,808,209	709,111
3,808,209	149,342	3,658,868	687,159
3,808,209	149,342	3,658,868	687,159
3,658,868	149,342	3,509,526	665,207
3,658,868	149,342	3,509,526	665,207
3,509,526	149,342	3,360,185	643,256
3,509,526	149,342	3,360,185	643,256
3,360,185	149,342	3,210,843	621,304
3,360,185	149,342	3,210,843	621,304
3,210,843	149,342	3,061,502	599,352
3,210,843	149,342	3,061,502	599,352
3,061,502	149,342	2,912,160	577,400
3,061,502	149,342	2,912,160	577,400
....	....	.....	....
....	.....	.....	....

BO496 Brighton Sub: Upgrade T1 500/230kv Transormer

Beginning	Depreciation	Ending	Revenue
17,667,244	543,480	17,123,764	3,060,505
17,667,244	543,480	17,123,764	3,225,673
17,123,764	543,480	16,580,284	2,980,619
17,123,764	543,480	16,580,284	3,140,544
16,580,284	543,480	16,036,804	2,900,732
16,580,284	543,480	16,036,804	3,055,416
16,036,804	543,480	15,493,324	2,820,846
16,036,804	543,480	15,493,324	2,970,288
15,493,324	543,480	14,949,844	2,740,960
15,493,324	543,480	14,949,844	2,885,159
14,949,844	543,480	14,406,364	2,661,074
14,949,844	543,480	14,406,364	2,800,031
14,406,364	543,480	13,862,884	2,581,187
14,406,364	543,480	13,862,884	2,714,902
13,862,884	543,480	13,319,404	2,501,301
13,862,884	543,480	13,319,404	2,629,774
13,319,404	543,480	12,775,923	2,421,415
13,319,404	543,480	12,775,923	2,544,646
12,775,923	543,480	12,232,443	2,341,529
12,775,923	543,480	12,232,443	2,459,517
12,232,443	543,480	11,688,963	2,261,643
12,232,443	543,480	11,688,963	2,374,389
11,688,963	543,480	11,145,483	2,181,756
11,688,963	543,480	11,145,483	2,289,261
....	....	.....	....
....	.....	.....	....

B1125 Convert Buzzard to Ritchie Line - 138kV to 230kV				b2008 Reconductor feeder Dickerson to Quince Orchard						
Yes				Yes						
35				35						
No				No						
0				0						
14.6990%				14.6990%						
14.6990%				14.6990%						
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
50,089,658	1,481,496	48,608,162	8,626,417	8,428,916	246,386	8,182,530	1,449,137	$ 46,777,945		$ 46,777,945
50,089,658	1,481,496	48,608,162	8,626,417	8,428,916	246,386	8,182,530	1,449,137	$ 48,043,160	$ 48,043,160	
48,608,162	1,481,496	47,126,667	8,408,651	8,182,530	246,386	7,936,145	1,412,921	$ 45,522,296		$ 45,522,296
48,608,162	1,481,496	47,126,667	8,408,651	8,182,530	246,386	7,936,145	1,412,921	$ 46,744,879	$ 46,744,879	
47,126,667	1,481,496	45,645,171	8,190,886	7,936,145	246,386	7,689,759	1,376,705	$ 44,266,648		$ 44,266,648
47,126,667	1,481,496	45,645,171	8,190,886	7,936,145	246,386	7,689,759	1,376,705	$ 45,446,597	$ 45,446,597	
45,645,171	1,481,496	44,163,675	7,973,121	7,689,759	246,386	7,443,373	1,340,488	$ 43,010,999		$ 43,010,999
45,645,171	1,481,496	44,163,675	7,973,121	7,689,759	246,386	7,443,373	1,340,488	$ 44,148,315	$ 44,148,315	
44,163,675	1,481,496	42,682,179	7,755,356	7,443,373	246,386	7,196,987	1,304,272	$ 41,755,351		$ 41,755,351
44,163,675	1,481,496	42,682,179	7,755,356	7,443,373	246,386	7,196,987	1,304,272	$ 42,850,033	$ 42,850,033	
42,682,179	1,481,496	41,200,683	7,537,590	7,196,987	246,386	6,950,601	1,268,056	$ 40,499,702		$ 40,499,702
42,682,179	1,481,496	41,200,683	7,537,590	7,196,987	246,386	6,950,601	1,268,056	$ 41,551,752	$ 41,551,752	
41,200,683	1,481,496	39,719,188	7,319,825	6,950,601	246,386	6,704,215	1,231,839	$ 39,244,053		$ 39,244,053
41,200,683	1,481,496	39,719,188	7,319,825	6,950,601	246,386	6,704,215	1,231,839	$ 40,253,470	$ 40,253,470	
39,719,188	1,481,496	38,237,692	7,102,060	6,704,215	246,386	6,457,829	1,195,623	$ 37,988,405		$ 37,988,405
39,719,188	1,481,496	38,237,692	7,102,060	6,704,215	246,386	6,457,829	1,195,623	$ 38,955,188	$ 38,955,188	
38,237,692	1,481,496	36,756,196	6,884,294	6,457,829	246,386	6,211,444	1,159,407	$ 36,732,756		$ 36,732,756
38,237,692	1,481,496	36,756,196	6,884,294	6,457,829	246,386	6,211,444	1,159,407	$ 37,656,906	$ 37,656,906	
36,756,196	1,481,496	35,274,700	6,666,529	6,211,444	246,386	5,965,058	1,123,191	$ 35,477,108		$ 35,477,108
36,756,196	1,481,496	35,274,700	6,666,529	6,211,444	246,386	5,965,058	1,123,191	$ 36,358,624	$ 36,358,624	
35,274,700	1,481,496	33,793,205	6,448,764	5,965,058	246,386	5,718,672	1,086,974	$ 34,221,459		$ 34,221,459
35,274,700	1,481,496	33,793,205	6,448,764	5,965,058	246,386	5,718,672	1,086,974	$ 35,060,343	$ 35,060,343	
33,793,205	1,481,496	32,311,709	6,230,999	5,718,672	246,386	5,472,286	1,050,758	$ 32,965,811		$ 32,965,811
33,793,205	1,481,496	32,311,709	6,230,999	5,718,672	246,386	5,472,286	1,050,758	$ 33,762,061	$ 33,762,061	
....	....	.....	....	....	....	.....	....			$ -
....	.....	.....	....	....	.....	.....	....		$ -	
									$ 747,064,827	$ 726,379,135

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

ATTACHMENT H-8G

PPL Electric Utilities Corporation

Line	Formula Rate -- Appendix A	Notes	FERC Form 1 Page # or Instruction	2015 Data
	Shaded cells are input cells			
	Allocators			
	Wages & Salary Allocation Factor			
1	Transmission Wages Expense		p354.21.b	7,925,346
2	Total Wages Expense		p354.28.b	83,730,101
3	Less A&G Wages Expense		p354.27.b	3,822,028
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	79,908,073
5	**Wages & Salary Allocator**		(Line 1 / Line 4)	**9.9181%**
	Plant Allocation Factors			
6	Electric Plant in Service		p207.104.g	9,028,666,144
7	Accumulated Depreciation (Total Electric Plant)	(Note J)	p219.29.c	2,488,676,268
8	Accumulated Amortization	(Note A)	p200.21.c	55,700,651
9	Total Accumulated Depreciation		(Line 7 + 8)	2,544,376,919
10	Net Plant		(Line 6 - Line 9)	6,484,289,225
11	Transmission Gross Plant (excluding Land Held for Future Use)		(Line 25 - Line 24)	3,560,965,834
12	**Gross Plant Allocator**		(Line 11 / Line 6)	**39.4407%**
13	Transmission Net Plant (excluding Land Held for Future Use)		(Line 33 - Line 24)	3,008,214,574
14	**Net Plant Allocator**		(Line 13 / Line 10)	**46.3924%**
	Plant Calculations			
	Plant In Service			
15	Transmission Plant In Service	(Note B)	p207.58.g	3,299,986,459
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	184,146,559
18	**Total Transmission Plant**		(Line 15 - Line 16 + Line 17)	**3,484,133,018**
19	General		p207.99.g	662,176,312
20	Intangible		p205.5.g	112,498,042
21	Total General and Intangible Plant		(Line 19 + Line 20)	774,674,354
22	Wage & Salary Allocator		(Line 5)	9.9181%
23	**Total General and Intangible Functionalized to Transmission**		(Line 21 * Line 22)	**76,832,816**
24	**Land Held for Future Use**	(Note C) (Note P)	Attachment 5	**42,736,636**
25	**Total Plant In Rate Base**		**(Line 18 + Line 23 + Line 24)**	**3,603,702,470**
	Accumulated Depreciation			
26	Transmission Accumulated Depreciation	(Note J)	p219.25.c	**526,474,862**
27	Accumulated General Depreciation	(Note J)	p219.28.c	209,233,689
28	Accumulated Amortization		(Line 8)	55,700,651
29	Total Accumulated Depreciation		(Line 27 + 28)	264,934,340
30	Wage & Salary Allocator		(Line 5)	9.9181%
31	Subtotal General and Intangible Accum. Depreciation Allocated to Transmission		(Line 29 * Line 30)	26,276,398
32	**Total Accumulated Depreciation**		**(Sum Lines 26 + 31)**	**552,751,260**
33	**Total Net Property, Plant & Equipment**		**(Line 25 - Line 32)**	**3,050,951,210**
	Adjustment To Rate Base			
	Accumulated Deferred Income Taxes			
34	**ADIT net of FASB 106 and 109**		Attachment 1	**-439,976,604**
	CWIP for Incentive Transmission Projects			
35	CWIP Balances for Current Rate Year	(Note H)	Attachment 6	**20,489,306**
	Prepayments			
36	Prepayments	(Note A) (Note O)	Attachment 5	**667,087**
	Materials and Supplies			
37	Undistributed Stores Expense	(Note A)	p227.16.c	1,379,955
38	Wage & Salary Allocator		(Line 5)	9.9181%
39	Total Undistributed Stores Expense Allocated to Transmission		(Line 37 * Line 38)	136,865
40	Transmission Materials & Supplies		p227.8.c	7,682,294
41	**Total Materials & Supplies Allocated to Transmission**		(Line 39 + Line 40)	**7,819,159**
	Cash Working Capital			
42	Operation & Maintenance Expense		(Line 70)	64,871,540
43	1/8th Rule		1/8	12.5%
44	**Total Cash Working Capital Allocated to Transmission**		(Line 42 * Line 43)	**8,108,942**
45	**Total Adjustment to Rate Base**		(Lines 34 + 35 + 36 + 41 + 44)	**-402,892,109**
46	**Rate Base**		(Line 33 + Line 45)	**2,648,059,101**
	Operations & Maintenance Expense			
	Transmission O&M			
47	Transmission O&M		Attachment 5	141,151,414
48	Less Account 565		Attachment 5	95,373,081
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)	**45,778,333**

Line	Description	Note	Source	Amount
	Allocated Administrative & General Expenses			
51	Total A&G		323.197b	194,341,919
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	75,680
55	Less Property Insurance Account 924		p323.185.b	791,522
56	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	6,186,575
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)	188,806,727
60	Wage & Salary Allocator		(Line 5)	9.9181%
61	**Administrative & General Expenses Allocated to Transmission**		(Line 59 * Line 60)	**18,726,001**
	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	791,522
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 924 and 930.1 - General		(Line 65 + Line 66)	791,522
68	Net Plant Allocator		(Line 14)	46.3924%
69	**A&G Directly Assigned to Transmission**		(Line 67 * Line 68)	**367,206**
70	**Total Transmission O&M**		**(Lines 50 + 61 + 64 + 69)**	**64,871,540**

Depreciation & Amortization Expense

Line	Description	Note	Source	Amount
	Depreciation Expense			
71	Transmission Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Attachment 5	**51,893,037**
72	General Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Attachment 5	22,376,659
73	Intangible Amortization	(Note A)	p336.1.d&e	23,054,137
74	Total		(Line 72 + Line 73)	45,430,796
75	Wage & Salary Allocator		(Line 5)	9.9181%
76	**General Depreciation & Intangible Amortization Allocated to Transmission**		(Line 74 * Line 75)	**4,505,862**
77	**Total Transmission Depreciation & Amortization**		**(Lines 71 + 76)**	**56,398,899**

Taxes Other than Income Taxes

Line	Description	Note	Source	Amount
78	**Taxes Other than Income Taxes**		Attachment 2	**3,041,661**
79	**Total Taxes Other than Income Taxes**		**(Line 78)**	**3,041,661**

Return \ Capitalization Calculations

Line	Description		Note	Source	Amount
	Long Term Interest				
80	Long Term Interest			p117.62.c through 66.c	132,254,128
81	Less LTD Interest on Securitization Bonds		(Note O)	Attachment 8	0
82	**Long Term Interest**			(Line 80 - Line 81)	**132,254,128**
83	**Preferred Dividends**		enter positive	p118.29.c	-
	Common Stock				
84	Proprietary Capital			p112.16.c	3,119,421,382
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	109,244
88	**Common Stock**			(Line 84 - 85 - 86 - 87)	**3,119,312,138**
	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	42,257,723
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)	2,821,492,277
94	Preferred Stock			p112.3.c	0
95	Common Stock			(Line 88)	3,119,312,138
96	**Total Capitalization**			(Sum Lines 93 to 95)	**5,940,804,415**
97	Debt %	Total Long Term Debt		(Line 93 / Line 96)	47.5%
98	Preferred %	Preferred Stock		(Line 94 / Line 96)	0.0%
99	Common %	Common Stock		(Line 95 / Line 96)	52.5%
100	Debt Cost	Total Long Term Debt		(Line 82 / Line 93)	0.0469
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)	0.0223
104	Weighted Cost of Preferred	Preferred Stock		(Line 98 * Line 101)	0.0000
105	Weighted Cost of Common	Common Stock		(Line 99 * Line 102)	0.0613
106	**Rate of Return on Rate Base (ROR)**			(Sum Lines 103 to 105)	**0.0836**
107	**Investment Return = Rate Base * Rate of Return**			**(Line 46 * Line 106)**	**221,350,344**

Composite Income Taxes

Line	Description		Note	Source	Amount
	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)		Per State Tax Code	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	-20,102
114	**ITC Adjust. Allocated to Trans. - Grossed Up**	ITC Adjustment x 1 / (1-T)		Line 113 * (1 / (1 - Line 111))	**-34,359**
115	**Income Tax Component =**	(T/1-T) * Investment Return * (1-(WCLTD/ROR)) =		[Line 112 * Line 107 * (1- (Line 103 / Line 106))]	**115,175,485**

116	**Total Income Taxes**		**(Line 114 + Line 115)**	**115,141,126**

Revenue Requirement

	Summary				
117	Net Property, Plant & Equipment		(Line 33)		3,050,951,210
118	Total Adjustment to Rate Base		(Line 45)		-402,892,109
119	Rate Base		(Line 46)		2,648,059,101
120	Total Transmission O&M		(Line 70)		64,871,540
121	Total Transmission Depreciation & Amortization		(Line 77)		56,398,899
122	Taxes Other than Income		(Line 79)		3,041,661
123	Investment Return		(Line 107)		221,350,344
124	Income Taxes		(Line 116)		115,141,126
125	**Gross Revenue Requirement**		**(Sum Lines 120 to 124)**		**460,803,570**
	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities				
126	Transmission Plant In Service		(Line 15)		3,299,986,459
127	Excluded Transmission Facilities	(Note M)	Attachment 5		0
128	Included Transmission Facilities		(Line 126 - Line 127)		3,299,986,459
129	Inclusion Ratio		(Line 128 / Line 126)		100.00%
130	Gross Revenue Requirement		(Line 125)		460,803,570
131	**Adjusted Gross Revenue Requirement**		(Line 129 * Line 130)		**460,803,570**
	Revenue Credits				
132	**Revenue Credits**		Attachment 3		**107,269,361**
133	**Net Revenue Requirement**		**(Line 131 - Line 132)**		**353,534,209**
	Net Plant Carrying Charge				
134	Gross Revenue Requirement		(Line 130)		**460,803,570**
135	Net Transmission Plant		(Line 18 - Line 26 + Line 35)		**2,978,147,462**
136	Net Plant Carrying Charge		(Line 134 / Line 135)		**15.4728%**
137	Net Plant Carrying Charge without Depreciation		(Line 134 - Line 71) / Line 135		**13.7304%**
138	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 134 - Line 71 - Line 107 - Line 116) / Line 135		**2.4317%**
	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)		**124,312,100**
140	Increased Return and Taxes		Attachment 4		**360,256,433**
141	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 139 + Line 140)		**484,568,533**
142	Net Transmission Plant		(Line 18 - Line 26 + Line 35)		**2,978,147,462**
143	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 141 / Line 142)		**16.2708%**
144	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		(Line 141 - Line 71) / Line 142		**14.5283%**
145	**Net Revenue Requirement**		(Line 133)		**353,534,209**
146	True-up amount		Attachment 6		**(25,788,295)**
147	Facility Credits under Section 30.9 of the PJM OATT		Attachment 5		**-**
148	**Net Zonal Revenue Requirement**		(Line 145 + 146 + 147)		**327,745,914**
	Network Zonal Service Rate				
149	1 CP Peak	(Note L)	PJM Data		**8,055.0**
150	Rate ($/MW-Year)		(Line 148 / 149)	**$**	**40,689**
151	**Network Service Rate ($/MW/Year)**		**(Line 150)**	**$**	**40,689**

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 x 120) + (.4000 x 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	(554,491,070)	0	(56,993,356)		From Acct. 282 total, below
ADIT-283	0	(17,534,209)	(90,114)		From Acct. 283 total, below
ADIT-190	121,776,193	0	65,883,620		From Acct. 190 total, below
Subtotal	(432,714,877)	(17,534,209)	8,800,150		Sum lines 1 through 3
Wages & Salary Allocator			9.9181%		
Net Plant Allocator		46.3924%			
ADIT	(432,714,877)	(8,134,533)	872,806	(439,976,604)	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)	59,377	59,377				Basis difference between book plant and tax plant basis related to investment tax credits on distribution property
Accumulated Deferred Investment Tax Credits (Transmission)	122,249		122,249			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)	42,113	42,113				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)	86,698		86,698			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)	88,744,442	88,744,442				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)	21,756,187		21,756,187			Transmission related income that is taxable for tax return purposes, but recorded as a reduction to plant for book purposes.
Pensions and Post-Retirement	13,712,008	13,712,008				Expense and equity(FAS158) adjustments for book purposes not deductible for tax purposes
FAS158 Regulatory Liability	194,771,620	194,771,620				Liability recorded for regulatory purposes for FAS 158 pension and post-retirement costs
Bad Debts	8,983,421	8,983,421				Retail related book expense not deductible for tax return purposes
Service Company Labor Related Costs	60,919,181				60,919,181	Book expense not deductible for tax return purposes - labor related to all functions
Service Company Other Related Costs	(23,168,566)	(23,168,566)				Book expense not deductible for tax return purposes
Vacation Pay	3,438,193				3,438,193	Book expense not deductible for tax return purposes - labor related to all functions
Variable Pay	1,253,575				1,253,575	Book expense not deductible for tax return purposes - labor related to all functions
Severance Pay	(151,549)				(151,549)	Book expense not deductible for tax return purposes - labor related to all functions
Deferred Compensation	424,220				424,220	Book expense not deductible for tax return purposes - labor related to all functions
Taxes Other Than Income Taxes	3,287,120	3,287,120				Book expense not deductible for tax return purposes - retail related gross receipts and sales & use taxes
State Income Tax Adjustment	(514,340)	(514,340)				Distribution related state income tax expense/(benefit) deferred for book purposes and not deductible /(taxable) for tax return purposes.
AMT Tax Carryforward	104,039	104,039				Tax credits carryforward to a future period.
RAR Adjustments	(17)	(17)				Distribution related IRS audit adjustments
Obsolete Inventory	2,608	2,608				Distribution related book expense not deductible for tax return purposes
Environmental Liability	4,209,788	4,209,788				Distribution related book expense for manufactured gas plants not deductible for tax return purposes
Post Employment Liabilities	4,026,565	4,026,565				Book expense not deductible for tax return purposes
State NOL Carryforwards	26,649,567	26,649,567				State net operating loss carryforward
Tax Credit Carryforward	122,144	122,144				Tax credits carryforward to a future period.
Conservation Program Regulatory Asset	9,079,029	9,079,029				Distribution related expense deferred for book purposes and deducted for tax purposes.
Universal Service Rider over/undercollection	2,144,825	2,144,825				Distribution related expense deferred for book purposes and deducted for tax purposes.
Generation Service Charge over/undercollection	16,936,053	16,936,053				Distribution related expense deferred for book purposes and deducted for tax purposes.
Transmission Formula Rate over/undercollection	20,015,423		20,015,423			Transmission related expense deferred for book purposes and deducted for tax purposes.
Distribution System Improvement Charge over/undercollection	1,236,868	1,236,868				Distribution related expense deferred for book purposes and deducted for tax purposes.
Storm Damage over/undercollection	6,600,458	6,600,458				Distribution related expense deferred for book purposes and deducted for tax purposes.
Book Contingencies	1,326,664	1,326,664				Distribution related book expense not deductible for tax return purposes.
Charitable Contributions	2,034,482	2,034,482				Distribution related tax deduction carryforward to a future period.
Federal NOL Carryforward	143,745,433	63,740,850	80,004,583			Federal net operating loss carryforward
Deferred Intercompany Transactions	(158,936)	(158,936)				Retail related income recorded for book purposes not includable in taxable income - related to
Subtotal - p234	611,840,942	423,972,182	121,985,140	0	65,883,620	
Less FASB 109 Above if not separately removed	310,437	101,490	208,947			
Less FASB 106 Above if not separately removed	12,506,578	12,506,578				
Total	599,023,927	411,364,114	121,776,193	0	65,883,620	

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.

PPL Electric Utilities Corporation

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B	C	D	E	F	G
ADIT- 282	***Total***	***Gas, Prod, Dist Or Other Related***	***Transmission Related***	***Plant Related***	***Labor Related***	***Justification***
Account 282						
ACRS/MACRS Property (Non-Transmission)	(679,463,421)	(679,463,421)				Deductions for distribution related tax depreciation in excess of book depreciation at federal rate
ACRS/MACRS Property (General Plant)	(58,183,998)				(58,183,998)	Deductions for general plant related tax depreciation in excess of book depreciation at applicable federal and state rates
ACRS/MACRS Property (Transmission)	(524,255,566)		(524,255,566)			Deductions for transmission related method/life, book and tax recovery differences on pre-ACRS/MACRS property, ACRS/MACRS property and unamortized net negative salvage at federal and state rates.
FAS109 regulatory assets/liabilities related to plant	(190,670,812)	(190,670,812)				Asset recorded for regulatory purposes to adjust plant related deferred taxes to current federal and state rates.
Basis adjustments between book and tax plant (Non-Tx)	(325,398,941)	(325,398,941)				Basis difference between Distribution related book plant and tax plant basis at federal & state rates
Basis adjustments between book and tax plant (General Plant)	1,190,642				1,190,642	Basis difference between book plant and tax plant basis at federal & state rates
Basis adjustments between book and tax plant (Tx-related)	(30,096,914)		(30,096,914)			Basis difference between Transmission related plant and tax plant basis at federal & state rates
RAR adjustments related to plant (Non-Transmission)	(120,371)	(120,371)				Settled IRS audit adjustments related to Distribution plant
RAR adjustments related to plant (Transmission)	(138,590)		(138,590)			Settled IRS audit adjustments related to Transmission plant
Effectively Settled Audit Adjustments	3,718,191	3,718,191				Agreed to IRS audit adjustments related to Distribution plant
Non-Utility Property	(66,684)	(66,684)				Difference between net book plant and net tax plant resulting from deductions for non-utility related tax

Subtotal - p275	(1,803,486,464)	(1,192,002,038)	(554,491,070)	0	(56,993,356)	
Less FASB 109 Above if not separately removed	(190,670,812)	(190,670,812)				
Less FASB 106 Above if not separately removed	0					
Total	(1,612,815,652)	(1,001,331,226)	(554,491,070)	0	(56,993,356)	

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.

PPL Electric Utilities Corporation

A *ADIT-283*	B *Total*	C *Gas, Prod, Dist Or Other Related*	D *Transmission Related*	E *Plant Related*	F *Labor Related*	G *Justification*
Account 283						
Reacquired debt costs	(17,534,209)			(17,534,209)		Plant related expense deferred for book purposes and deducted for tax purposes
FAS 109 regulatory assets/liabilities	(135,225,999)	(135,225,999)				Asset recorded for regulatory purposes related to book and tax basis plant and non-plant differences
Pension and post-retirement	(104,455,028)	(104,455,028)				Expense and equity(FAS158) adjustments for book purposes not deductible for tax purposes
FAS158 Regulatory Asset	(194,771,621)	(194,771,621)				Asset recorded for regulatory purposes for FAS 158 pension and post-retirement costs
Storms Deferrals	(12,632,865)	(12,632,865)				Distribution related expense deferred for book purposes and deducted for tax purposes
RAR Adjustments	7	7				Distribution related IRS audit adjustments
Clearing accounts	(90,114)				(90,114)	Expense deferred for book purposes and deducted for tax purposes
Receivables Factoring	(7,747,569)	(7,747,569)				Retail related income recorded for book purposes not includable in taxable income
Prepaid Insurance	(1,692,244)	(1,692,244)				Distribution related expense deferred for book purposes and deducted for tax purposes.
Distribution System Improvement Charge over/undercollection	(232,711)	(232,711)				Distribution related expense deferred for book purposes and deducted for tax purposes.
Transmission Service Charge over/undercollections	(4,169,354)	(4,169,354)				Retail related book expense not deductible for tax return purposes
Competitive Enhancement Rider over/undercollections	(77,478)	(77,478)				Distribution related expense deferred for book purposes and deducted for tax purposes.
Rate case expenses	(770,120)	(770,120)				Retail related expense deferred for book purposes and deducted for tax purposes
Deferred intercompany gain - trademark sale	(73,463)	(73,463)				Income recorded for book purposes not includable in taxable income
Smart Meter Technology Regulatory Asset	(857,722)	(857,722)				Distribution related expense deferred for book purposes and deducted for tax purposes.
Subtotal - p277	(480,330,490)	(462,706,167)	0	(17,534,209)	(90,114)	
Less FASB 109 Above if not separately removed	(135,225,999)	(135,225,999)				
Less FASB 106 Above if not separately removed	0	0				
Total	(345,104,491)	(327,480,168)	0	(17,534,209)	(90,114)	

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.

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)	2,926,752		
2	PURTA	1,727,781		
3				
4				
5				
6				
7				
8	**Total Plant Related**	4,654,533	46.3924%	2,159,348
	Labor Related		**Wages & Salary Allocator**	
9	Federal FICA	5,658,564		
10	Federal Unemployment	35,175		
11	State Unemployment	288,833		
12				
13				
14	**Total Labor Related**	5,982,572	9.9181%	593,356
	Other Included		**Net Plant Allocator**	
15	PA Capital Stock Tax	622,644		
16	Tax on Insurance Premiums	0		
17	Local Business License Tax	212		
18				
19	**Total Other Included**	622,856	46.3924%	288,958
20	**Total Included (Lines 8 + 14 + 19)**	11,259,961		3,041,661
	Currently Excluded			
21	Gross Receipts	88,644,522		
22	Sales and Use	203,616		
23				
24				
25				
26				
27				
28	**Subtotal, Excluded**	88,848,138		
29	**Total, Included and Excluded (Line 20 + Line 28)**	100,108,099		
30	**Total Other Taxes from p114.14.c less Tax on Securitization Bonds**	100,108,099		
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		2,338,622
	Account 456 - Other Electric Revenues (Note 1)		
2	Transmission for Others (Note 3)		-
3	Schedule 12 Revenues (Note 3)		95,753,999
4	Schedule 1A		2,664,766
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)		2,652,956
7	Professional Services provided to others		3,212,374
8	Facilities Charges including Interconnection Agreements (Note 2)		646,644
9	Gross Revenue Credits	(Sum Lines 1-10)	107,269,361
10	Amount offset from Note 3 below		-

11 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.

12 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.

13 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.

PPL Electric Utilities Corporation

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

	Return and Taxes with 100 Basis Point increase in ROE			
A	100 Basis Point increase in ROE and Income Taxes		Line 29 + Line 39 from below	360,256,433
B	100 Basis Point increase in ROE			1.00%
Return Calculation				
			Appendix A Line or Source Reference	
1	**Rate Base**		(Attachment A Line 46)	2,648,059,101
	Long Term Interest			
2	Long Term Interest		(Attachment A Line 80)	132,254,128
3	Less LTD Interest on Securitization Bonds		Attachment 8	-
4	Long Term Interest		(Line 2 - Line 3)	132,254,128
5	**Preferred Dividends**	enter positive	p118.29.c	0
	Common Stock			
6	Proprietary Capital		p112.16.c	3,119,421,382
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	109,244
10	Common Stock		(Line 6 - 7 - 8 - 9)	3,119,312,138
	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	42,257,723
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)	2,821,492,277
16	Preferred Stock		p112.3.c	0
17	Common Stock		(Line 10)	3,119,312,138
18	Total Capitalization		(Sum Lines 15 to 17)	5,940,804,415
19	Debt %	Total Long Term Debt	(Line 15 / Line 18)	47.5%
20	Preferred %	Preferred Stock	(Line 16 / Line 18)	0.0%
21	Common %	Common Stock	(Line 17 / Line 18)	52.5%
22	Debt Cost	Total Long Term Debt	(Line 4 / Line 15)	0.0469
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)	0.0223
26	Weighted Cost of Preferred	Preferred Stock	(Line 20 * Line 23)	0.0000
27	Weighted Cost of Common	Common Stock	(Line 21 * Line 24)	0.0666
28	**Rate of Return on Rate Base (ROR)**		(Sum Lines 25 to 27)	**0.0888**
29	**Investment Return = Rate Base * Rate of Return**		**(Line 1 * Line 28)**	**235,254,392**
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	(20,102)
37	**ITC Adjust. Allocated to Trans. - Grossed Up**		(Line 36 * (1 / (1 - Line 33)	**-34,359**
38	**Income Tax Component =**	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =		125,036,399
39	**Total Income Taxes**			**125,002,041**

PPL Electric Utilities Corporation

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	-408,896	-20,102	-388,794	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 &	45,641,205	38,553,071	4,183,565	2,904,569	
			Company Records		0	0		Removal of land held for future use (if any) that is included in CWIP balance
		(Note P)	Company Records		0	0		Gains from the sale of Land Held for Future Use
					38,553,071	4,183,565		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	75,680			Current year actual PBOP expense
65	Property Insurance Account 924	p323.185.b	791,522	0	791,522	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	6,186,575	0	6,186,575	

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							
			PA					
109	SIT=State Income Tax Rate or Composite	(Note I)	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	-		-	-

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: **Example**		**Or** **Enter $**	

Attachment 5 - Cost Support

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									
Prepayments	(Note A) (Note O)	Form 1 -- p111.57.c	10,150,855	0	3,424,883	6,725,972	9.9181%	667,087	Less amounts related to POLR, Retail Issues and Bond Securitization.

Appendix A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions	0	Description of the Credits
	Enter $	
#REF!	0	None
		Add more lines if necessary

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	141,493,189	341,775	141,151,414	Adjustment for Ancillary Services p321.88b and p321.92b.
48	Less Account 565	p.321.96.b	95,373,081	0	95,373,081	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	**8,055.0**	

Depreciation Expense

	Appendix A Line #s, Descriptions, Notes, Form No. 1 Page #s and Instructions			Total	Actual Cost of Removal, Net of Salvage Costs Year 1 2010	Year 2 2011	Year 3 2012	Year 4 2013	Year 5 2014	Total	5 - Year Amortization
71	Transmission Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Company Records	45,758,314							
	Transmission Plant Cost of Removal, Net of Salvage	(Note J)	Company Records	6,134,723	1,932,133	3,323,131	5,552,205	3,734,692	16,131,452	30,673,613	6,134,723
	Total Transmission Depreciation Expense Including Amortization of Limited Term F	(Note J)	Company Records	51,893,037							
72	General Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Company Records	23,136,037							
	General Plant Cost of Removal, Net of Salvage	(Note J)	Company Records	-759,378	-1,205,818	-563,798	-956,740	-384,081	-686,454	-3,796,891	-759,378
	Total General Depreciation Expense Including Amortization of Limited Term Plant	(Note J)	Company Records	22,376,659							

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)
$ 232,000,664 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) 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
CWIP Balance Dec (prior yr.)		87,069,991	4,195,098		345,072,380		12
Jan	13,622,127	17,262,360	160,988	46,878	2,394,758	132,364	11.5
Feb	13,788,794	12,379,462	(254,463)	355,036	4,343,718	97,890	10.5
Mar	14,852,761	11,449,895	(2,845,179)	3,122,546	2,983,787	(16,013)	9.5
Apr	14,159,584	15,181,760	(17,218)	283,000	(650,991)	6,512,000	8.5
May	137,705,802	-57,311,891	(848,829)	883,829	(337,112,296)	341,755,913	7.5
Jun	28,383,208	2,223,269	(183,000)	208,000	(584,000)	3,799,673	6.5
Jul	76,372,660	-1,774,980	-	15,000	(5,000,000)	6,314,417	5.5
Aug	19,077,315	2,450,114	-	-	-	730,233	4.5
Sep	91,040,512	-53,705,101	-	-	-	626,357	3.5
Oct	43,647,636	7,903,844	-	-	-	631,748	2.5
Nov	34,846,159	4,795,214	-	-	(8,600,000)	8,816,060	1.5
Dec	98,871,207	4,916,804	-	-	-	167,420	0.5
Total	586,367,763	52,840,741	207,397	4,914,289	2,847,356	369,568,062	

	(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)
CWIP Balance Dec (prior yr.)		1,044,839,892	50,341,176		4,140,868,560	
Jan	156,654,455	198,517,140	1,851,362	539,097	27,539,717	1,522,186.00
Feb	144,782,339	129,984,349	(2,671,862)	3,727,882	45,609,039	1,027,845
Mar	141,101,227	108,774,000	(27,029,201)	29,664,187	28,345,977	(152,124)
Apr	120,356,465	129,044,963	(146,353)	2,405,500	(5,533,424)	55,352,000
May	1,032,793,513	(429,839,182)	(6,366,218)	6,628,718	(2,528,342,220)	2,563,169,348
Jun	184,490,850	14,451,250	(1,189,500)	1,352,000	(3,796,000)	24,697,875
Jul	420,049,632	(9,762,390)	-	82,500	(27,500,000)	34,729,294
Aug	85,847,916	11,025,511	-	-	-	3,286,049
Sep	318,641,790	(187,967,852)	-	-	-	2,192,250
Oct	109,119,090	19,759,610	-	-	-	1,579,370
Nov	52,269,238	7,192,821	-	-	(12,900,000)	13,224,090
Dec	49,435,603	2,458,402	-	-	-	83,710
Total	2,815,542,119	1,038,478,515	14,789,406	44,399,883	1,664,291,649	2,700,711,891

	(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.)		87,069,991	4,195,098		345,072,380		
Jan	13,054,538	16,543,095	154,280	44,925	2,294,976	126,849	
Feb	12,065,195	10,832,029	(222,655)	310,657	3,800,753	85,654	
Mar	11,758,436	9,064,500	(2,252,433)	2,472,016	2,362,165	(12,677)	
Apr	10,029,705	10,753,747	(12,196)	200,458	(461,119)	4,612,667	
May	86,066,126	(35,819,932)	(530,518)	552,393	(210,695,185)	213,597,446	
Jun	15,374,238	1,204,271	(99,125)	112,667	(316,333)	2,058,156	
Jul	35,004,136	(813,532)	-	6,875	(2,291,667)	2,894,108	
Aug	7,153,993	918,793	-	-	-	273,837	
Sep	26,553,483	(15,663,988)	-	-	-	182,687	
Oct	9,093,257	1,646,634	-	-	-	131,614	
Nov	4,355,770	599,402	-	-	(1,075,000)	1,102,008	
Dec	4,119,634	204,867	-	-	-	6,976	
Total	234,628,510	86,539,876	1,232,450	3,699,990	138,690,971	225,059,324	-
Input to Line 17 of Appendix A	234,628,510			3,699,990		225,059,324	463,387,824
Input to Line 35 of Appendix A		86,539,876	1,232,450		138,690,971		226,463,297
Month In Service or Month for CWIP	7.20	(7.65)	(59.31)	2.97	(572.50)	4.69	

New Transmission Plant Additions and CWIP (weighted by months in service)

3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
$ 318,398,173 — 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
$ 318,398,173 — 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)
$ 318,398,173

6 April Year 3 TO populates the formula with Year 2 data from FERC Form No. 1 for Year 2 (e.g., 2008)
$ 327,418,848 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 — $ 961,652,697 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
CWIP Balance Dec (prior yr.)		87,069,991	4,195,098		345,072,380		12
Jan	13,622,127	17,262,360	160,988	46,878	2,394,758	132,364	11.5
Feb	13,788,794	12,379,462	-254,463	355,036	4,343,718	97,890	10.5
Mar	14,852,761	11,449,894	-2,845,179	3,122,546	2,983,787	(16,013)	9.5
Apr	17,857,069	14,318,100	-494,300	981,099	2,420,457	2,128,372	8.5
May	135,851,401	-59,535,950	-712,408	1,066,732	(325,496,307)	327,605,036	7.5
Jun	66,996,761	-2,446,958	-162,899	34,147	(4,111,383)	4,662,785	6.5
Jul	26,018,249	18,822,827	-102,942	204,594	(4,754,010)	5,043,614	5.5
Aug	20,071,463	-3,720,068	-42,353	83,003	(6,449,342)	11,215,323	4.5
Sep	111,473,227	-58,033,643	-1,821	19,606	14,454,535	1,209,222	3.5
Oct	28,901,275	5,959,493	-69	32,976	6,119,553	1,491,369	2.5
Nov	59,132,082	-1,135,604	-4,936	2,985	(836,173)	433,359	1.5
Dec	58,982,000	2,581,234	-8,895	13,979	(34,724,201)	34,138,586	0.5

	(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)
CWIP Balance Dec (prior yr.)		1,044,839,892.00	50,341,176.00		4,140,868,560	
Jan	156,654,455	198,517,139	1,851,362	539,097	27,539,717	1,522,186
Feb	144,782,339	129,984,353	(2,671,862)	3,727,878	45,609,039	1,027,845
Mar	141,101,227	108,773,996	(27,029,201)	29,664,187	28,345,977	(152,123.50)
Apr	151,785,088	121,703,850	(4,201,550)	8,339,342	20,573,885	18,091,162
May	1,018,885,507	(446,519,629)	(5,343,060)	8,000,490	(2,441,222,303)	2,457,037,770
Jun	435,478,948	(15,905,225)	(1,058,844)	221,956	(26,723,990)	30,308,103
Jul	143,100,369	103,525,550	(566,181)	1,125,267	(26,147,055)	27,739,877
Aug	90,321,584	(16,740,306)	(190,589)	373,514	(29,022,039)	50,468,954
Sep	390,156,295	(203,117,751)	(6,374)	68,621	50,590,873	4,232,277
Oct	72,253,188	14,898,733	(173)	82,440	15,298,883	3,728,423
Nov	88,698,123	(1,703,406)	(7,404)	4,478	(1,254,260)	650,039
Dec	29,491,000	1,290,617	(4,448)	6,990	(17,362,101)	17,069,293

	(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.)		87,069,991	4,195,098		345,072,380		
Jan	13,054,538	16,543,095	154,280	44,925	2,294,976	126,849	
Feb	12,065,195	10,832,029	(222,655)	310,657	3,800,753	85,654	
Mar	11,758,436	9,064,500	(2,252,433)	2,472,016	2,362,165	(12,677)	
Apr	12,648,757	10,141,987	(350,129)	694,945	1,714,490	1,507,597	
May	84,907,126	(37,209,969)	(445,255)	666,708	(203,435,192)	204,753,148	
Jun	36,289,912	(1,325,435)	(88,237)	18,496	(2,226,999)	2,525,675	
Jul	11,925,031	8,627,129	(47,182)	93,772	(2,178,921)	2,311,656	
Aug	7,526,799	(1,395,026)	(15,882)	31,126	(2,418,503)	4,205,746	
Sep	32,513,025	(16,926,479)	(531)	5,718	4,215,906	352,690	
Oct	6,021,099	1,241,561	(14)	6,870	1,274,907	310,702	
Nov	7,391,510	(141,951)	(617)	373	(104,522)	54,170	
Dec	2,457,583	107,551	(371)	582	(1,446,842)	1,422,441	

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	Total
Total	567,547,209	44,971,138	(274,179)	5,963,581	1,417,772	388,141,907		2,862,708,121	1,039,547,813	11,112,856	52,154,258	1,787,095,186	2,611,723,804	238,559,010	86,628,984	926,071	4,346,188	148,924,599	217,643,650	
New Transmission Plant Additions and CWIP (weighted by months in service)																				
Input to Line 17 of Appendix A														238,559,010			4,346,188		217,643,650	460,548,849
Input to Line 35 of Appendix A															86,628,984	926,071		148,924,599		236,479,655
Month In Service or Month for CWIP														6.96	(11.12)	52.53	3.25	(1,248.50)	5.27	

$ 293,491,587 Result of Formula for Reconciliation Must run Appendix A to get this number (with inputs in lines 16, 17 and 35 of Appendix A)
(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 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		
293,491,587	-	318,398,173	=	(24,906,586)

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for March of the Current Yr 0.2800%

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	(2,075,549)	0.2800%	11.5	(66,833)	(2,142,382)
Jul	Year 1	(2,075,549)	0.2800%	10.5	(61,021)	(2,136,570)
Aug	Year 1	(2,075,549)	0.2800%	9.5	(55,210)	(2,130,758)
Sep	Year 1	(2,075,549)	0.2800%	8.5	(49,398)	(2,124,947)
Oct	Year 1	(2,075,549)	0.2800%	7.5	(43,587)	(2,119,135)
Nov	Year 1	(2,075,549)	0.2800%	6.5	(37,775)	(2,113,324)
Dec	Year 1	(2,075,549)	0.2800%	5.5	(31,963)	(2,107,512)
Jan	Year 2	(2,075,549)	0.2800%	4.5	(26,152)	(2,101,701)
Feb	Year 2	(2,075,549)	0.2800%	3.5	(20,340)	(2,095,889)
Mar	Year 2	(2,075,549)	0.2800%	2.5	(14,529)	(2,090,078)
Apr	Year 2	(2,075,549)	0.2800%	1.5	(8,717)	(2,084,266)
May	Year 2	(2,075,549)	0.2800%	0.5	(2,906)	(2,078,455)
Total		(24,906,586)				(25,325,017)

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.

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	(25,325,017)	0.2800%	(2,149,025)	(23,246,903)
Jul	Year 2	(23,246,903)	0.2800%	(2,149,025)	(21,162,969)
Aug	Year 2	(21,162,969)	0.2800%	(2,149,025)	(19,073,201)
Sep	Year 2	(19,073,201)	0.2800%	(2,149,025)	(16,977,581)
Oct	Year 2	(16,977,581)	0.2800%	(2,149,025)	(14,876,094)
Nov	Year 2	(14,876,094)	0.2800%	(2,149,025)	(12,768,722)
Dec	Year 2	(12,768,722)	0.2800%	(2,149,025)	(10,655,450)
Jan	Year 3	(10,655,450)	0.2800%	(2,149,025)	(8,536,261)
Feb	Year 3	(8,536,261)	0.2800%	(2,149,025)	(6,411,138)
Mar	Year 3	(6,411,138)	0.2800%	(2,149,025)	(4,280,065)
Apr	Year 3	(4,280,065)	0.2800%	(2,149,025)	(2,143,024)
May	Year 3	(2,143,024)	0.2800%	(2,149,025)	0
Total with interest				(25,788,295)	

The difference between the Reconciliation in Step 7 and the forecast in Prior Year with interest		(25,788,295)
Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 9)	$	-
Revenue Requirement for Year 3		(25,788,295)

9 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)

	(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		539,653,661	(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	-	-	-	303,129	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	232,148,561	(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)																				
Input to Line 17 of Appendix A														183,931,572			-		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	

10 May Year 3 Post results of Step 9 on PJM web site
$ 327,745,914 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, 2009 - May 31, 2010)
$ 327,745,914

Attachment 7 - Transmission Enhancement Charge Worksheet

1 New Plant Carrying Charge

2 **Fixed Charge Rate (FCR) if not a CIAC**

Line		Formula Line		
3	A	137	Net Plant Carrying Charge without Depreciation	13.7304%
4	B	144	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	14.5283%
5	C		Line B less Line A	0.7980%

6 **FCR if a CIAC**

Line		Formula Line		
7	D	138	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	2.4317%

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

Line	Description	Details		Susquehanna - Roseland CWIP (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)	Susquehanna - Roseland CWIP (b0487.1) < 500kV	Actual Susquehanna - Roseland PIS (b0487.1) < 500kV	Projected Susquehanna - Roseland PIS (b0487.1) < 500kV	Stanton 4th Transformer (b0791)	Actual Copperstone Substation (b0468)
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	Useful life of the project	Life		42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29. Otherwise "No"	CIAC	(Yes or No)	No	No	No	No	No	No	No	No	No	No	No
14	Input the allowed increase in ROE	Increased ROE (Basis Points)		125	125	125	0	0	0	125	125	125	0	0
15	From line 3 above if "No" on line 13 and from line 7 above if "Yes" on line 13	11.68% ROE		13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%	13.7304%
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project		14.7278%	14.7278%	14.7278%	13.7304%	13.7304%	13.7304%	14.7278%	14.7278%	14.7278%	13.7304%	13.7304%
17	Project subaccount of Plant in Service Account 101 or 106 if not yet classified	Investment		1,417,772	618,057,988	1,073,528	86,626	62,067	123,504	(274,179)	14,985,446	-	3,733,895	22,735,783
18	Line 17 divided by line 12	Annual Depreciation Exp		-	14,715,666	25,560	2,063	1,478	2,941	-	356,796	-	88,902	541,328
19	Month in which project is placed in service (e.g. Jan=1)	Month In Service or Month for CWIP		-		9.60						-		

Columns A (lines 20–62):

Line		Invest Yr	Susquehanna - Roseland CWIP (b0487) >= 500kV Beginning	Depreciation	Ending	Revenue	Actual Susquehanna - Roseland PIS (b0487) >= 500kV Beginning	Depreciation	Ending	Revenue	Projected Susquehanna - Roseland PIS (b0487) >= 500kV Beginning	Depreciation	Ending	Revenue	Hosensack Wavetrap (b0171.2) Beginning	Depreciation	Ending	Revenue
21	W 11.68 % ROE	2008	5,534,456	-	5,534,456	433,646	-	-	-	-	-	-	-	-	86,626	1,454	85,172	12,921
22	W Increased ROE	2008	5,534,456	-	5,534,456	453,742	-	-	-	-	-	-	-	-	86,626	1,454	85,172	12,921
23	W 11.68 % ROE	2009	25,703,638	-	25,703,638	3,744,759	-	-	-	-	-	-	-	-	85,172	2,063	83,109	19,836
24	W Increased ROE	2009	25,703,638	-	25,703,638	3,928,397	-	-	-	-	-	-	-	-	85,172	2,063	83,109	19,836
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
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
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
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
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
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
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
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
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
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
35	W 11.68 % ROE	2015	138,690,971	-	138,690,971	19,925,391	225,656,515	5,474,192	220,182,322	37,107,245	-	-	-	-	72,797	2,063	70,734	11,775
36	W Increased ROE	2015	138,690,971	-	138,690,971	21,359,559	225,656,515	5,474,192	220,182,322	39,384,095	-	-	-	-	72,797	2,063	70,734	11,775
37	W 11.68 % ROE	2016	1,417,772	-	1,417,772	194,665	602,372,114	14,715,666	587,656,448	95,403,045	1,073,528	7,249	1,066,279	153,653	70,734	2,063	68,672	11,491
38	W Increased ROE	2016	1,417,772	-	1,417,772	208,807	602,372,114	14,715,666	587,656,448	101,264,757	1,073,528	7,249	1,066,279	164,289	70,734	2,063	68,672	11,491
39	W 11.68 % ROE	2017		-	-	-	-	-	-	-		-	-	-	-	-	-	-
40	W Increased ROE	2017		-	-	-	-	-	-	-		-	-	-	-	-	-	-
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																		

Columns B (lines 20–62):

Line	Alburtis Wavetrap (b0172.1) Beginning	Depreciation	Ending	Revenue	Juniata Wavetrap (b0284.2) Beginning	Depreciation	Ending	Revenue	Susquehanna - Roseland CWIP (b0487.1) < 500kV Beginning	Depreciation	Ending	Revenue	Actual Susquehanna - Roseland PIS (b0487.1) < 500kV Beginning	Depreciation	Ending	Revenue
21	62,067	991	61,076	8,811	-	-	-	-	-	-	-	-	-	-	-	-
22	62,067	991	61,076	8,811	-	-	-	-	-	-	-	-	-	-	-	-
23	61,076	1,478	59,598	14,223	123,504	2,941	120,563	28,723	395,068	-	395,068	43,820	-	-	-	-
24	61,076	1,478	59,598	14,223	123,504	2,941	120,563	28,723	395,068	-	395,068	45,969	-	-	-	-
25	59,598	1,478	58,121	14,064	120,563	2,941	117,623	28,413	983,014	-	983,014	212,883	2,138,193	15,476	2,122,717	155,221
26	59,598	1,478	58,121	14,064	120,563	2,941	117,623	28,413	983,014	-	983,014	223,339	2,138,193	15,476	2,122,717	162,084
27	58,121	1,478	56,643	12,669	117,623	2,941	114,682	25,599	338,809	-	338,809	66,941	2,122,717	50,909	2,071,807	460,250
28	58,121	1,478	56,643	12,669	117,623	2,941	114,682	25,599	338,809	-	338,809	70,392	2,122,717	50,909	2,071,807	481,355
29	56,643	1,478	55,165	12,851	114,682	2,941	111,742	25,978	362,626	-	362,626	74,762	2,547,287	62,474	2,484,814	574,764
30	56,643	1,478	55,165	12,851	114,682	2,941	111,742	25,978	362,626	-	362,626	78,611	2,547,287	62,474	2,484,814	601,141
31	55,165	1,478	53,687	10,598	111,742	2,941	108,801	21,423	1,447,083	-	1,447,083	245,826	2,703,748	67,702	2,636,046	515,505
32	55,165	1,478	53,687	10,598	111,742	2,941	108,801	21,423	1,447,083	-	1,447,083	260,339	2,703,748	67,702	2,636,046	541,942
33	53,687	1,478	52,209	9,231	108,801	2,941	105,861	18,662	4,346,118	-	4,346,118	645,425	3,018,143	77,022	2,941,121	513,796
34	53,687	1,478	52,209	9,231	108,801	2,941	105,861	18,662	4,346,118	-	4,346,118	689,715	3,018,143	77,022	2,941,121	543,769
35	52,209	1,478	50,732	8,443	105,861	2,941	102,920	17,072	1,232,451	-	1,232,451	169,220	8,694,885	214,806	8,480,079	1,433,118
36	52,209	1,478	50,732	8,443	105,861	2,941	102,920	17,072	1,232,451	-	1,232,451	181,513	8,694,885	214,806	8,480,079	1,520,809
37	50,732	1,478	49,254	8,241	102,920	2,941	99,979	16,668	(274,179)	-	(274,179)	(37,646)	14,328,346	356,796	13,971,549	2,275,141
38	50,732	1,478	49,254	8,241	102,920	2,941	99,979	16,668	(274,179)	-	(274,179)	(40,381)	14,328,346	356,796	13,971,549	2,414,503
39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61																
62																

Columns C (lines 20–62):

Line	Projected Susquehanna - Roseland PIS (b0487.1) < 500kV Beginning	Depreciation	Ending	Revenue	Stanton 4th Transformer (b0791) Beginning	Depreciation	Ending	Revenue	Actual Copperstone Substation (b0468) Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
21	-	-	-	-	-	-	-	-	-	-	-	-	$ 455,377		$ 455,377
22	-	-	-	-	-	-	-	-	-	-	-	-	$ 475,473	$ 475,473	
23	-	-	-	-	-	-	-	-	-	-	-	-	$ 3,851,361		$ 3,851,361
24	-	-	-	-	-	-	-	-	-	-	-	-	$ 4,037,148	$ 4,037,148	
25	-	-	-	-	-	-	-	-	-	-	-	-	$ 7,606,140		$ 7,606,140
26	-	-	-	-	-	-	-	-	-	-	-	-	$ 7,975,046	$ 7,975,046	
27	-	-	-	-	3,733,895	25,673	3,708,222	237,250	918,555	11,846	906,709	108,883	$ 9,449,462		$ 9,449,462
28	-	-	-	-	3,733,895	25,673	3,708,222	237,250	918,555	11,846	906,709	108,883	$ 9,911,193	$ 9,911,193	
29	-	-	-	-	3,708,222	88,902	3,619,320	835,093	906,709	21,870	884,838	204,296	$ 13,394,951		$ 13,394,951
30	-	-	-	-	3,708,222	88,902	3,619,320	835,093	906,709	21,870	884,838	204,296	$ 14,016,520	$ 14,016,520	
31	-	-	-	-	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
32	-	-	-	-	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	
33	-	-	-	-	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
34	-	-	-	-	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	
35	-	-	-	-	3,441,515	88,902	3,352,613	549,228	21,234,762	541,328	20,693,433	3,382,612	$ 62,604,104		$ 62,604,104
36	-	-	-	-	3,441,515	88,902	3,352,613	549,228	21,234,762	541,328	20,693,433	3,382,612	$ 66,415,107	$ 66,415,107	
37	-	-	-	-	3,352,613	88,902	3,263,711	537,022	20,693,433	541,328	20,152,105	3,308,286	$ 101,870,566		$ 101,870,566
38	-	-	-	-	3,352,613	88,902	3,263,711	537,022	20,693,433	541,328	20,152,105	3,308,286	$ 107,893,683	$ 107,893,683	
39	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
40	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
41	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
42	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
43	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
44	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
45	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
46	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
47	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
48	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
49	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
50	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
51	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
52	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
53	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
54	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
55	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
56	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
57	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
58	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
59	-	-	-	-	-	-	-	-	-	-	-	-	$ -		$ -
60	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	
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

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) Number	(B) Plant Type	(C) Estimated Life	(D) Mortality Curve	(E) Current Age	(F) Remaining Life	(G) Applied Depreciation Rate	(H) Gross Depreciable Plant $	(I) Accumulated Depreciation $	(J) Depreciable Balance $	(K) Depreciation Expense $
	Transmission									
350.4	Land Rights	75	S4	14.8	60.20	1.6528	175,445,096	43,970,444	131,474,652	2,173,052
352	Structures and Improvements	60	R4	10.5	49.50	1.6890	74,458,075	18,232,215	56,225,860	949,674
353	Station Equipment	48	R1	6.7	41.30	2.1893	981,604,463	183,386,151	798,218,312	17,475,535
354	Towers and Fixtures	70	R3	6.3	63.70	1.2748	1,191,079,050	150,061,741	1,041,017,309	13,270,930
354.2	Towers and Fixtures - Clearing Land and Rights of Way	75	R4	19.2	55.80	1.6533	16,041,963	7,264,037	8,777,926	145,123
355	Poles and Fixtures	55	R0.5	11.4	43.60	2.1283	121,538,619	34,560,580	86,978,039	1,851,141
355.2	Poles and Fixtures - Clearing Land and Rights of Way	75	R4	17.2	57.80	1.8419	11,195,171	4,201,917	6,993,254	128,809
356	Overhead Conductors and Devices	60	R3	8.9	51.10	1.5479	635,355,306	106,485,572	528,869,734	8,186,467
357	Underground Conduit	55	S4	5.1	49.90	1.8154	36,252,635	3,439,055	32,813,580	595,708
358	Underground Conductors and Devices	35	S4	11.8	23.20	4.2797	30,219,684	9,933,481	20,286,203	868,189
359	Roads and Trails	75	R4	22.3	52.70	2.0113	8,856,527	3,204,301	5,652,226	113,685
	General									
389.4	Land Rights	70	R4	42.6	27.40	3.2636	4,399	1,769	2,630	86
390.2	Structures and Improvements - Buildings	55	S0	39.9	15.10	2.8970	381,060,295	89,191,104	291,869,191	8,455,562
390.21	Structures and Improvements - Leaseholds	10	NA		4.80	20.5851	909,524	528,790	380,734	78,374
390.4	Structures and Improvements - Air Conditioning	30	S1	8.2	21.80	4.5669	45,770,095	14,292,733	31,477,362	1,437,542
391.2	Office Furniture and Equipment - Furniture	20	NA		11.00	5.0517	22,514,546	9,245,711	13,268,835	1,137,363
391.4	Office Furniture and Equipment - Equipment	15	NA		7.70	6.5574	2,952,748	1,296,273	1,656,475	193,623
391.6	Office Furniture and Equipment - Computers	5	NA		3.60	13.5075	19,723,558	3,459,485	16,264,073	2,664,160
391.8	Office Furniture and Equipment - Power Mgmt. Sys.	7	NA		-	-	-	-	0	0
392.1	Transportation Equipment - Automobiles	5	L4	2.2	2.80	40.2864	10,259,043	6,305,049	3,953,994	1,592,921
392.2	Transportation Equipment - Light Duty Trucks	8	R1	2.5	5.50	17.5760	23,012,865	14,176,237	8,836,628	1,553,130
392.3	Transportation Equipment - Heavy Duty Trucks	11	R4	5.6	5.40	8.5573	74,164,275	46,094,626	28,069,649	2,402,014
392.4	Transportation Equipment - Trailers	24	L1.5	6.0	18.00	5.8304	7,538,289	2,868,084	4,670,205	272,291
392.5	Transportation Equipment - Large Tankers/Tractors	16	L4	6.9	9.10	10.9058	3,672,714	1,778,314	1,894,400	206,600
392.6	Transportation Equipment - Large Crane Trucks	13	L3	8.6	4.40	22.6744	653,799	320,551	333,248	75,562
393	Stores Equipment	25	NA		10.60	4.0715	2,658,529	1,158,303	1,500,226	108,242
394	Tools and Work Equipment - L&S Line Crews	20	NA		8.40	5.5275	4,761,532	2,405,199	2,356,333	263,193
394.2	Tools and Work Equipment - Tools	20	NA		5.30	7.4889	274,669	159,490	115,179	20,570
394.4	Tools and Work Equipment - Construction Dept.	20	NA		8.80	5.0149	1,353,414	641,662	711,752	67,872
394.6	Tools and Work Equipment - Other	20	NA		14.10	5.3102	24,459,097	7,121,533	17,337,564	1,298,824
394.8	Tools and Work Equipment - Garage Equipment	20	NA		13.80	5.5317	1,871,087	504,289	1,366,798	103,504
395	Laboratory Equipment	20	NA		12.00	5.0062	4,694,055	1,869,947	2,824,108	234,993
396	Power Operated Equipment	13	S0	4.4	8.60	5.0289	2,238,835	1,409,044	829,791	112,589
397	Communication Equipment	15	NA		13.40	5.3671	14,504,494	5,140,394	9,364,100	778,475
398	Miscellaneous Equipment	20	NA		13.90	5.0548	3,104,394	713,180	2,391,214	156,921
	Intangible									
303.2	Miscellaneous Intangible Plant - Software	5	NA		2.80	20.00	107,520,310	53,486,315	54,033,995	22,211,521
303.4	Miscellaneous Intangible Plant - Fiber Optic	15	NA		2.70	20.00	3,983,011	1,899,355	2,083,656	811,571
303.5	Smart Meter Software	5	NA		4.50	20.00	371,386	73,356	298,030	31,045

Notes:

1 Columns (A), (B), (C), and (D) are fixed and cannot be changed absent Commission approval or acceptance.
2 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.
3 Column (F) is the average remaining life of the assets in the account based on their vintage.
4 Column (G) is the depreciation rate from the Mortality Curve specified based on data in Columns (C) and (D).
5 Columns (H) and (I) are the depreciable gross plant investment and accumulated depreciation in the account or subaccount.
6 Column (J) is the depreciable net plant in the account or subaccount.
7 Column (K) is Column (G) multiplied by Column (J) for those accounts that have an identified Mortality Curve.
8 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).
9 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.
10 Column (K) for Accounts Nos. 303.2, 303.5, and 303.6 are calculated using individual asset depreciation and, therefore, are not derived values.
11 Column (K) for Account No. 392.3 is net of capitalized depreciation expense. See the applicable note in FERC Form No. 1.
12 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	20.5851	909,523	528,790	380,733	78,374
391.2	Office Furniture and Equipment - Furniture - Gross Method	20	4.8969	20,244,289	7,372,713	12,871,576	991,342
391.2	Office Furniture and Equipment - Furniture - Net Method	20	36.7570	2,270,258	1,872,999	397,259	146,020
				22,514,547	9,245,712	13,268,835	1,137,363
391.4	Office Furniture and Equipment - Equipment - Gross Method	15	6.5561	2,947,832	1,292,934	1,654,898	193,263
391.4	Office Furniture and Equipment - Equipment - Net Method	15	22.8188	4,916	3,339	1,577	360
				2,952,748	1,296,273	1,656,475	193,623
391.6	Office Furniture and Equipment - Computers - Gross Method	5	13.5075	19,723,558	3,459,485	16,264,073	2,664,160
391.8	Office Furniture and Equipment - Power Mgmt. Sys. - Gross Method	7	-	0	0	0	0
393	Store Equipment - Gross Method	25	3.1430	1,702,913	577,267	1,125,646	53,523
393	Store Equipment - Net Method	25	14.6083	955,615	581,036	374,579	54,720
				2,658,528	1,158,303	1,500,225	108,242
394	Tools and Work Equipment - L&S Line Crews - Gross Method	20	5.0000	2,371,043	1,064,472	1,306,571	118,552
394	Tools and Work Equipment - L&S Line Crews - Net Method	20	13.7784	2,390,490	1,340,728	1,049,762	144,641
				4,761,533	2,405,200	2,356,333	263,193
394.2	Tools and Work Equipment - Tools - Gross Method	20	5.0000	133,692	48,627	85,065	6,685
394.2	Tools and Work Equipment - Tools - Net Method	20	46.1088	140,977	110,863	30,114	13,885
				274,669	159,490	115,179	20,570
394.4	Tools and Work Equipment - Construction Dept. - Gross Method	20	5.0000	1,345,463	634,707	710,756	67,273
394.4	Tools and Work Equipment - Construction Dept. - Net Method	20	25.0000	7,951	5,556	2,395	599
				1,353,414	640,263	713,151	67,872
394.6	Tools and Work Equipment - Other - Gross Method	20	4.8614	24,102,993	6,772,952	17,330,041	1,171,742
394.6	Tools and Work Equipment - Other - Net Method	20	1,689.2500	356,104	348,581	7,523	127,082
				24,459,097	7,121,533	17,337,564	1,298,824
394.8	Tools and Work Equipment - Garage Equipment - Gross Method	20	4.8099	1,696,010	390,622	1,305,388	81,576
394.8	Tools and Work Equipment - Garage Equipment - Net Method	20	35.7064	175,077	113,667	61,410	21,927
				1,871,087	504,289	1,366,798	103,504
395	Laboratory Equipment - Gross Method	20	4.9846	3,163,723	1,010,502	2,153,221	157,700
395	Laboratory Equipment - Net Method	20	11.5210	1,530,333	859,445	670,888	77,293
				4,694,056	1,869,947	2,824,109	234,993
397	Communication Equipment - Gross Method	15	5.1397	13,823,915	4,539,492	9,284,423	710,506
397	Communication Equipment - Net Method	15	85.3074	680,579	600,902	79,677	67,970
				14,504,494	5,140,394	9,364,100	778,476
398	Miscellaneous Equipment - Gross Method	20	4.2525	2,492,372	463,117	2,029,255	105,989
398	Miscellaneous Equipment - Net Method	20	14.0711	612,022	250,062	361,960	50,932
				3,104,394	713,179	2,391,215	156,921

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).

Formula Rate Update for

AEP Appalachian Transmission Company, Inc.
AEP Indiana Michigan Transmission Company, Inc.
AEP Kentucky Transmission Company, Inc.
AEP Ohio Transmission Company, Inc.
AEP West Virginia Transmission Company, Inc.

To be Effective July 1, 2016
Docket No ER10-355

Pursuant to Attachment H-20A (Formula Rate Implementation Protocols) in PJM Tariff, AEP has calculated its Annual Transmission Revenue Requirements (ATRR) to produce the "Annual Update" for the Rate Year beginning July 1, 2016 through June 30, 2017. All the files pertaining to the Annual Update are also posted on the PJM website in PDF format along with supporting workpapers. The first file provides the ATRR and rates for Network transmission service and Scheduling System Control and Dispatch Service, Schedule 1A.

AEP network service rate will increase effective July 1, 2016 from $9,323.87 per MW per year or $25.54/MW Day to $14,565.47 per MW per year or $39.91/MW Day with the AEP annual revenue requirement increasing from $227,577,878 to $360,132,800.

The AEP Transmission Companies' Schedule 1A rates are not applicable because they are handled via AEP Operating Companies.

An annual revenue requirement of $124,875,434 for RTEP projects (including true-up and interest) is to be collected under PJM Tariff Schedule 12. The RTEP Project revenue requirement includes:

1. b1465.4 (Rockport Jefferson) of $528,298
2. b1465.2 (Rockport Jefferson-MVAR Bank) $1,979,667
3. b2048 (Tanners Creek 345/138 kV transformer) $785,338
4. b1818 (Expand the Allen station) $2,504,445
5. b1819 (Rebuild Robinson Park) $6,319,436
6. b1659 (Sorenson Add 765/345 kV transformer) $5,279,934
7. b1659.13 (Sorenson Exp. Work 765kV) $4,514,116
8. b1659.14 (Sorenson 14miles 765 line) $5,764,647
9. b0570 (Lima-Sterling) $1,519,822
10. b1231 (Wapakoneta-West Moulton) $564,044
11. b1034.1 (South Canton-Wagenhals-Wayview 138 kV) $1,491,866
12. b1034.8 (South Canton Wagenhals Station) $731,192
13. b1864.2 (West Bellaire-Brues 138 kV Circuit) $183,077
14. b1870 (Ohio Central Transformer) $1,164,857
15. b1032.2 (Two 138kV outlets to Delano/Camp Sherman) $1,556,149
16. b1034.2 (Loop existing South Canton-Wayview 138kV) $1,162,555

Formula Rate Update for

AEP Appalachian Transmission Company, Inc.
AEP Indiana Michigan Transmission Company, Inc.
AEP Kentucky Transmission Company, Inc.
AEP Ohio Transmission Company, Inc.
AEP West Virginia Transmission Company, Inc.

To be Effective July 1, 2016
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17. b1034.3 (345/138kV 450 MVA transformer Canton Central) $2,455,648
18. b1970 (Reconductor Kammer-West Bellaire) $2,473,861
19. b2018 (Loop Conesville-Bixby 345 kV) $3,128,615
20. b2021 (OHTCo - Add 345/138kV trans. Sporn, Kanawha & Muskingum River stations) $4,077,340
21. b2032 (Rebuild 138kV Elliott Tap Poston line) $(569,234)
22. b1032.1 (Construct new 345/138kV station Marquis-Bixby) $155,260
23. b1032.4 (Install 138/69kV transformer Ross Highland) $1,492,114
24. b1666 (Build 8 breaker 138kV station Fostoria-East Lima) $1,019,997
25. b1819 (Rebuild Robinson Park 345kV double circuit) $(2,090,543)
26. b1957 (Terminate Transformer #2 SW Lima) $1,730,039
27. b2019 (Establish Burger 345/138kV station) $11,966,351
28. b2017 (OHTCo Rebuild Sporn-Waterford-Muskingum River) $12,209,073
29. b1661 (765kV circuit breaker Wyoming station) $495,890
30. b1864.1 (Add 2 345/138kV transformers at Kammer) $13,615,966
31. b2021 (WVTCo - Add 345/138kV trans. Sporn, Kanawha & Muskingum River stations) $2,383,344
32. b1948 (New 765/345 interconnection Sporn) $9,618,292
33. b1962 (Add four 765kV breakers Kammer) $3,744,414
34. b2017 (WVTCo Rebuild Sporn-Waterford-Muskingum River) $175,388
35. b2020 (Rebuild Amos-Kanawha River 138 kV corridor) $16,201,767
36. b2022 (Tristate-Kyger Creek 345kV line at Sporn) $791,620
37. b1875 (138 kV Bradley to McClung upgrades) $2,495
38. b1495 (Add 765/345 kV transf. Baker Station) $3,748,292

Formula Rate Update for AEP East subsidiaries in PJM

To be Effective July 1, 2016 through June 30, 2017
Docket No ER08-1329

Pursuant to PJM OATT Attachment H-14A (Formula Rate Implementation Protocols), AEP has calculated its Annual Transmission Revenue Requirements (ATRR) to produce the "Annual Update" for the Rate Year beginning July 1, 2016 through June 30, 2017. All the files pertaining to the Annual Update are to be posted on the PJM website in PDF format. The first file provides the ATRR and rates for Network transmission service and Scheduling System Control and Dispatch Service (Schedule 1A), and the annual transmission revenue requirement for RTEP projects (Schedule 12). An informational filing will also be submitted to the FERC.

AEP network service rate will decrease effective July 1, 2016 from $32,113.77 per MW per year to $30,979.72 per MW per year with the AEP annual revenue requirement decreasing from $783,836,137 to $765,976,584.

The AEP Schedule 1A rate decreased from $.0949 per MWh to $.0923 per MWh.

An annual revenue requirement of $54,479,931 for RTEP projects (including true-up and interest) is to be collected under PJM Tariff Schedule 12. The RTEP Project revenue requirement includes:

1. b0839 (Twin Branch) $1,293,863
2. b0318 (Amos 765/138 kV Transformer) $1,770,598
3. b0504 (Hanging Rock) $1,028,931
4. b0570 (East Side Lima) $(54,349)
5. b1034.1 (Torrey-West Canton) $909,480
6. b1034.6 (138kV circuit South Canton Station) $375,302
7. b1231 (West Moulton Station) $1,283,020
8. b1465.2 (Rockport Jefferson 300 MVAR bank) $87,567
9. b1465.3 (Rockport Jefferson 765 kV line) $3,726,102
10. b1712.2 (Altavista-Leesville 138kV line) $36,319
11. b1864.1 (OPCo Kammer 345/138 kV transformers) $1,651
12. b1864.2 (West Bellaire-Brues 138 kV circuit) of $107,901
13. b2020 (Rebuild Amos-Kanawha River) $2,357,048
14. b2021 (APCo Kanawha River Gen Retirement Upgrades) $359,260
15. b2017 (APCo Rebuild Sporn-Waterford Muskingum River 345kV line) $2,931,873
16. b1659.14 (Ft. Wayne Relocate) $99,463
17. b2048 (Tanners Creek-Transformer Replacement) $132,463
18. b1818 (Expand the Allen Station) $832,793
19. b1819 (Rebuild Robinson Park 138kV line corridor) $467,602
20. b1465.4 (Switching imp at Sullivan Jefferson 765kV station) $61,377
21. b2021 (OPCo 345/138kV Transformer) $(2,842,310)
22. b2032 (Rebuild 138kV Elliott Tap-Poston) $25,011
23. b1034.2 (Loop South Canton-Wayview) $706,379

Formula Rate Update for AEP East subsidiaries in PJM

To be Effective July 1, 2016 through June 30, 2017
Docket No ER08-1329

24. b1034.7 (Replace circuit breakers Torrey/Wagenhals) $1,330,591
25. b1970 (Reconductor Kammer-West Bellaire) $222,510
26. b2018 (Loop Conesville-Bixby 345kV) $(21,044)
27. b1032.4 (Loop the existing South Canton-Wayview 138kV circuit) $315,981
28. b1666 (Build an 8 breaker 138kV station Fosteria-East Lima) $943,729
29. b1957 (Terminate transformer #2 SW Lima) $668,607
30. b1962 (Add four 765kV breakers Kammer) $(33,035)
31. b2019 (Burger 345/138kV Station) $2,222,192
32. b2017 (OPCo Reconductor Sporn-Waterford-Muskingum River) $1,971,983
33. b1032.3 (Convert Ross-Circleville 138kV) $1,897,672
34. b1660 (Install 765/500 kV transformer Cloverdale) $8,871,247
35. b1660.1 (Cloverdale Establish 500 kV station) $13,022,465
36. b1663.2 (Jacksons-Ferry 765kV breakers) $1,504,516
37. b1875 (138 kV Bradley to McClung upgrades) $2,366
38. b1797.1 (Reconductor Cloverdale-Lexington 500 kV line) $5,862,811