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**VIA ELECTRONIC MAIL & OVERNIGHT MAIL**

May 4, 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, 2013  
-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

Docket Nos. EO03050394, ER12060485, ER13050378, ER14040370

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

Irene Kim Asbury, Esquire  
Secretary of the Board  
Board of Public Utilities  
44 So. Clinton Ave., 3rd Floor, Suite 314  
Trenton, New Jersey 08625-0350

Dear Secretary Asbury:

Enclosed for filing on behalf of Jersey Central Power & Light Company (“JCP&L”), Atlantic City Electric Company (“ACE”), Public Service Electric and Gas Company (“PSE&G”) and Rockland Electric Company (“RECO”) (collectively, the “EDCs”), please find an original and ten copies of revised tariff sheets and supporting exhibits to update the initial filing made by the EDCs on December 17, 2015 in the above-captioned docket (the “December 17, 2015 Filing”).

The attached updated tariff sheet sheets and supporting exhibits listed below incorporate the Determination issued in Federal Energy Regulatory Commission's Order Denying Complaint, issued April 22, 2016, Docket Nos. EL15-67-000 ("April 22<sup>nd</sup> FERC Order"):

- Attachment 1 (Derivation of PSE&G NITS Charge)
- Attachment 2A (Pro-forma PSE&G Tariff Sheets including BGS Rates approved by the Board on April 27, 2016 and effective June 1, 2016)
- Attachment 2B (PSE&G Translation of NITS Charge into Customer Rates)
- Attachment 3A (Pro-forma JCPL Tariff Sheets)
- Attachment 3B (JCPL – Translation of PSE&G Transmission Enhancement Charges into Customer Rates)
- Attachment 4A (ACE Pro-forma Tariff Sheets)
- Attachment 4B (ACE – Translation of PSE&G Transmission Enhancement Charges into Customer Rates)
- Attachment 5A (RECO Pro-forma Tariff Sheets)
- Attachment 5B (RECO – Translation of PSE&G Transmission Enhancement Charges into Customer Rates)
- Attachment 6A (PSE&G Project Charges)
- Attachment 10 (PSE&G FERC filing formula rates)

The EDCs reiterate the requests for approval set forth in the December 17, 2015 Filing as if incorporated herein. In addition, the EDCs respectfully request that the Board: (1) issue a waiver of the 30-day filing requirement that would otherwise apply to this submission, because BGS suppliers began paying these revised transmission charges for transmission service effective April 25, 2016 pursuant to the April 22<sup>nd</sup> FERC Order.

We thank the Board for all courtesies extended.

Respectfully submitted,



Attachments

C Attached Service List (email only)

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
BGS TRANSMISSION ENHANCEMENT CHARGE  
BPU Docket No. ER15121430

<b>BOARD OF PUBLIC UTILITIES</b>		
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PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
BGS TRANSMISSION ENHANCEMENT CHARGE  
BPU Docket No. ER15121430

<b>OTHER</b>		
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Robert Mannella Consolidated Edison Energy 701 Westchester Avenue Suite 201 West White Plains, NY 10604	Randall D. Osteen, Esq. Constellation Energy 111 Market Place, Suite 500 Baltimore, MD 21202	Ken Salamone Sempra Energy Trading Corp. 58 Commerce Road Stamford, CT 06902

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
 BGS TRANSMISSION ENHANCEMENT CHARGE  
 BPU Docket No. ER15121430

<b>OTHER</b>		
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Kim M. Durham Citigroup Energy Inc. 2800 Post Oak Boulevard Suite 500 Houston, TX 77056		

Attachment 1

Derivation of PSE&G Network Integration Transmission Service (NITS) Charge

Updated Attachment 1 - May through December PSE&G Network Integration Service Calculation.

Derived Network Integration Service Rate Applicable to PSE&G customers - Effective May 1, 2016 through December 31, 2016

Line #	Description	Rate	Source
(1)	Transmission Service Annual Revenue Requirement	\$ 1,064,228,951.56	Page 91 in Attachment 10 -Line 164
(2)	Total Schedule 12 TEC Included in above	\$ (545,743,291.38)	Page 36 in Attachment 6a - Column (a)
(3)	PSE&G Customer Share of Schedule 12 TEC	\$ 248,524,752.27	Page 36 in Attachment 6a - Column (n)
(4)	Total Transmission Costs Borne by PSE&G customers	\$ 767,010,412.45	=(1) +(2) +(3)
(5)	2016 PSE&G Network Service Peak	9,594.9 MW	Page 91 in Attachment 10 -Line 165
(6)	2016 Derived Network Integration Transmission Service Rate	\$ 79,939.39 per MW-year	
	Resulting 2016 BGS Firm Transmission Service Supplier Rate	\$ 218.41 per MW-day	= (6)/366

Attachment 2 – PSE&G Tariffs and Rate Translation

Attachment 2a  
Pro-forma PSE&G Tariff Sheets

Attachment 2b  
PSE&G Translation of NITS Charge into  
Customer Rates



Attachment 2a  
Pro-forma PSE&G 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:**

Rate Schedule	For usage in each of the months of <u>October through May</u>		For usage in each of the months of <u>June through September</u>	
	Charges		Charges	
	<u>Charges</u>	<u>Including SUT</u>	<u>Charges</u>	<u>Including SUT</u>
RS – first 600 kWh	\$0.117735	\$0.125976	\$0.119564	\$0.127933
RS – in excess of 600 kWh	0.117735	0.125976	0.128672	0.137679
RHS – first 600 kWh	0.089945	0.096241	0.086353	0.092398
RHS – in excess of 600 kWh	0.089945	0.096241	0.098532	0.105429
RLM On-Peak	0.204695	0.219024	0.219133	0.234472
RLM Off-Peak	0.053068	0.056783	0.049985	0.053484
WH	0.054613	0.058436	0.053331	0.057064
WHS	0.054808	0.058645	0.053437	0.057178
HS	0.096057	0.102781	0.099459	0.106421
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.

Date of Issue:

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

Effective:

**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 ..... \$ 107.25 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..... \$ 56.28 per MW per month

American Electric Power Service Corporation ..... \$ 10.54 per MW per month

Atlantic City Electric Company. .... \$ 11.77 per MW per month

Delmarva Power and Light Company..... \$ 6.75 per MW per month

Potomac Electric Power Company. .... \$ 11.37 per MW per month

Above rates converted to a charge per kW of Transmission

Obligation, applicable in all months..... \$ 6.9658

Charge including New Jersey Sales and Use Tax (SUT) ..... \$ 7.4534

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

Date of Issue:

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

Effective:

**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 .....	\$ 107.25 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.....	\$ 56.28 per MW per month
American Electric Power Service Corporation .....	\$ 10.54 per MW per month
Atlantic City Electric Company .....	\$ 11.77 per MW per month
Delmarva Power and Light Company.....	\$ 6.75 per MW per month
Potomac Electric Power Company.....	\$ 11.37 per MW per month

Above rates converted to a charge per kW of Transmission Obligation, applicable in all months.....	\$ 6.9658
Charge including New Jersey Sales and Use Tax (SUT) .....	\$ 7.4534

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

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

Date of Issue:

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

Effective:

Attachment 2b  
PSE&G Translation of NITS Charge into  
Customer Rates

**Network Integration Service Calculation - BGS-RSCP  
NITS Charges for January 2016 - December 2016**

		<b>Effective 1/1/16 - 12/31/16</b>	
PSE&G Annual Transmission Service Revenue Requirement	\$	1,064,228,951.56	
Total Schedule 12 TEC Included in above	\$	(520,436,728.38)	
PSE&G Customer Share of Schedule 12 NITS	\$	<u>247,944,752.83</u>	
NITS Charges for Jan 2016 - Dec 2016	\$	791,736,976.01	
PSE&G Zonal Transmission Load for Effective Yr. (MW) (1/1/16)		9,594.90	
Term (Months)		12	
OATT rate	\$	6,876.37 /MW/month	all values show w/o NJ SUT
converted to \$/MW/yr =	\$	82,516.44 /MW/yr	<b>Jan 16 - Dec 16 NITS Charge</b>
	\$	57,084.59 /MW/yr	<b>Jan 16 - May 16 Weighted Average of 42,285.83, 55,722.38 and 72,688.29</b>
	\$	<u>70,337.03 /MW/yr</u>	<b>Jun 16 - Dec 16 Weighted Average of 55,722.38, 72,688.29, 82,516.44</b>
	\$	64,815.18 /MW/yr	<b>Jan 16 - Dec 16 Weighted Average</b>
Resulting Increase in Transmission Rate	\$	17,701.26 /MW/yr	
Resulting Increase in Transmission Rate	\$	1,475.10 /MW/month	

	RS	RHS	RLM	WH	WHS	HS	PSAL	BPL	Totals
Trans Obl - MW	3,579.2	25.7	62.8	0.0	0.0	4.4	0.0	0.0	3,672.1
Total Annual Energy - MWh	12,129,950	161,550	216,336	1,579	33	17,189	152,549	208,076	
Change in energy charge in \$/MWh	\$ 5.2231	\$ 2.8160	\$ 5.1385			\$ 4.5312			
in \$/kWh - rounded to 6 places	\$ 0.005223	\$ 0.002816	\$ 0.005138			\$ 0.004531			
Revised NITS Charge	\$ 79,939.39								
Difference Per MW/Year	\$ (2,577.05)								
Difference Per MW/month	\$ (214.75)								
Number of Months (May-December)	8	May to December							
Change in NITS \$'s Remaining MWhs (May -December)	\$ (6,149,191.50) 8,537,783	\$ (44,153.50) 88,482	\$ (107,892.61) 152,126			\$ (7,559.35) 8,870			\$ (6,308,796.97) 8,787,261
Change in energy charge in \$/MWh	\$ (0.7202)	\$ (0.4990)	\$ (0.7092)			\$ (0.8523)			
Revised Change in \$/MWh in \$/kWh - rounded to 6 places	\$ 4.5029 \$ 0.004503	\$ 2.3170 \$ 0.002317	\$ 4.4293 \$ 0.004429			\$ 3.6789 \$ 0.003679			

Line #

1	Total BGS-RSCP Trans Obl	\$ 6,392.2 MW		= sum of BGS-RSCP eligible Trans Obl adjusted for migration
2	Total BGS-RSCP energy @ cust	\$ 23,723,046 MWh		= sum of BGS-RSCP eligible kWh @ cust adjusted for migration
3	Total BGS-RSCP energy @ trans nodes	\$ 25,441,259 MWh	unrounded	= (2) * loss expansion factor to trans node
4	Change in OATT rate * total Trans Obl	\$ 113,149,985	unrounded	= Change in OATT rate * Total BGS-RSCP eligible Trans Obl adjusted for migration
5	Change in Average Supplier Payment Rate	\$ 4.4475 /MWh	unrounded	= (4) / (3)
6	Change in Average Supplier Payment Rate	\$ 4.45 /MWh	rounded to 2 decimal places	= (5) rounded to 2 decimal places
7	Proposed Total Supplier Payment	\$ 113,213,602	unrounded	= (6) * (3)
8	Difference due to rounding	\$ 63,617	unrounded	= (7) - (4)

Attachment 3 – JCP&L Tariffs and Rate Translation

Attachment 3a  
Pro-forma JCP&L Tariff Sheets

Attachment 3b  
JCP&L Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates

Attachment 3a  
Pro-forma JCP&L Tariff Sheets



JERSEY CENTRAL POWER & LIGHT COMPANY

BPU No. 11 ELECTRIC - PART III

XX<sup>th</sup> Rev. Sheet No. 34  
Superseding XX<sup>th</sup> 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, 2015, a TRAILCO4-TEC surcharge of **\$0.000444** per KWH (includes Sales and Use Tax as provided in Rider SUT), a PEPCO2-TEC surcharge of **\$0.000044** per KWH (includes Sales and Use Tax as provided in Rider SUT), an ACE2-TEC surcharge of **\$0.000088** per KWH (includes Sales and Use Tax as provided in Rider SUT), a Delmarva2-TEC surcharge of **\$0.000026** per KWH (includes Sales and Use Tax as provided in Rider SUT), an AEP-East2-TEC surcharge of **\$0.000040** per KWH (includes Sales and Use Tax as provided in Rider SUT), and a PPL2-TEC surcharge of **\$0.000209** 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 May 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:

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  
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**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, 2015, the following TEC surcharges will be added to the BGS Transmission Charge applicable to all KWH usage, as follows (includes Sales and Use Tax as provided in Rider SUT):

	<u>TRAILCO4-TEC</u>	<u>PEPCO2-TEC</u>	<u>ACE2-TEC</u>
GT – High Tension Service	\$0.000058	\$0.000005	\$0.000012
GT	\$0.000261	\$0.000026	\$0.000051
GP	\$0.000295	\$0.000029	\$0.000059
GS and GST	\$0.000444	\$0.000044	\$0.000088

	<u>Delmarva2-TEC</u>	<u>AEP-East2-TEC</u>	<u>PPL2-TEC</u>
GT – High Tension Service	\$0.000003	\$0.000005	\$0.000027
GT	\$0.000015	\$0.000024	\$0.000122
GP	\$0.000017	\$0.000027	\$0.000139
GS and GST	\$0.000026	\$0.000040	\$0.000209

Effective May 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):

	<u>PATH3-TEC</u>	<u>VEPCO3-TEC</u>	<u>PSEG2-TEC</u>
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.

Issued:

Effective:

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

Attachment 3b  
JCP&L Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates

**Attachment**

**Jersey Central Power & Light Company**

Proposed PSEG Project Transmission Enhancement Charge (PSEG-TEC Surcharge) effective May 1, 2016  
 To reflect FERC-approved PSEG Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective May 2016

Average Monthly PSEG-TEC Costs Allocated to JCP&L Zone	\$	3,017,989.41	(1)
2016 JCP&L Zone Transmission Peak Load (MW)		5818.1	
PSEG-Transmission Enhancement Rate (\$/MW-month)	\$	518.72	

BGS by Voltage Level	Transmission Obligation (MW)	Allocated Cost Recovery (\$ (2))	BGS Eligible Sales (kWh) (3)	Effective May 1, 2016:	
				PSEG-TEC Surcharge (\$/kWh)	PSEG-TEC Surcharge w/ SUT (\$/kWh)
Secondary (excluding lighting)	5079.4	31,617,694	16,747,305,504	\$ 0.001888	\$ 0.002020
Primary	376.7	2,344,841	1,796,093,554	\$ 0.001306	\$ 0.001397
Transmission @ 34.5 kV	323.3	2,012,443	1,704,936,059	\$ 0.001180	\$ 0.001263
Transmission @ 230 kV	38.7	240,896	329,300,188	\$ 0.000732	\$ 0.000783
<b>Total</b>	<b>5818.1</b>	<b>36,215,873</b>	<b>20,577,635,305</b>		

- (1) Cost Allocation of PSEG Project Schedule 12 Charges to JCP&L Zone for May - December 2016
- (2) PSEG Project Costs 2016 Impact (12 months)
- (3) January through December 2016

BGS-RSCP Supplier Payment Adjustment

Line No.	Description	Value	Unit
1	BGS-RSCP Eligible Sales January through December @ Customer	15,750,010	MWH
2	BGS-RSCP Eligible Sales January through December @ Transmission Node	17,459,674	MWH
3	BGS-RSCP Eligible Transmission Obligation	4,340	MW
4	PSEG-Transmission Enhancement Costs to RSCP Suppliers	\$ 27,015,158	= Line 3 x \$518.72 x 12
5	Change to Supplier Payment Rates \$/MWH (rounded to 2 decimals)	\$ 1.55	= Line 4 / Line 2

Attachment 4 – ACE Tariffs and Rate Translation

Attachment 4a  
Pro-forma ACE Tariff Sheets

Attachment 4b  
ACE Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates

Attachment 4a  
Pro-forma ACE Tariff Sheets

**RIDER (BGS) continued  
Basic Generation Service (BGS)**

**CIEP Standby Fee** \$0.000161 per kWh

This charge recovers the costs associated with the winning BGS-CIEP bidders maintaining the availability of the hourly priced default electric supply service plus administrative charges pursuant to N.J.S.A. 48:2-60 and New Jersey Sales and Use Tax as set forth in Rider SUT. This charge is assessed on all kWhs delivered to all CIEP- eligible customers on Rate Schedules MGS Secondary, MGS Primary, AGS Secondary, AGS Primary or TGS.

**Transmission Enhancement Charge**

This charge reflects Transmission Enhancement Charges (“TECs”), implemented to compensate transmission owners for the annual transmission revenue requirements for “Required Transmission Enhancements” (as defined in Schedule 12 of the PJM OATT) that are requested by PJM for reliability or economic purposes and approved by the Federal Energy Regulatory Commission (FERC). The TEC charge (in \$ per kWh by Rate Schedule), including administrative charges pursuant to N.J.S.A. 48:2-60 and New Jersey Sales and Use Tax as set forth in Rider SUT, is delineated in the following table.

	<u>Rate Class</u>							
	<u>RS</u>	<u>MGS Secondary</u>	<u>MGS Primary</u>	<u>AGS Secondary</u>	<u>AGS Primary</u>	<u>TGS</u>	<u>SPL/CSL</u>	<u>DDC</u>
VEPCo	0.000355	0.000303	0.000131	0.000179	0.000067	0.000151	-	0.000146
TrAILCo	0.000536	0.000461	0.000407	0.000335	0.000277	0.000233	-	0.000224
PSE&G	0.000613	0.000522	0.000226	0.000309	0.000117	0.000262	-	0.000251
PATH	0.000062	0.000052	0.000022	0.000031	0.000012	0.000027	-	0.000026
PPL	0.000220	0.000189	0.000167	0.000138	0.000113	0.000095	-	0.000092
Pepco	0.000055	0.000047	0.000041	0.000034	0.000028	0.000024	-	0.000022
Delmarva	0.000028	0.000024	0.000021	0.000017	0.000014	0.000012	-	0.000012
AEP - East	0.000032	0.000028	0.000024	0.000020	0.000016	0.000014	-	0.000013
<b>Total</b>	<b>0.001901</b>	<b>0.001626</b>	<b>0.001039</b>	<b>0.001063</b>	<b>0.000644</b>	<b>0.000818</b>	<b>-</b>	<b>0.000786</b>

**Date of Issue**

**Effective Date:**

**Issued by:**

Attachment 4b  
ACE Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates



**Atlantic City Electric Company**

Proposed PSE&G Projects Transmission Enhancement Charge (PSE&G-TEC Surcharge) effective May 1, 2016

To reflect FERC-approved ACE Project Transmission Enhancement Charge (Schedule 12 PJM OATT) effective May 1, 2016

Transmission Enhancement Costs Allocated to ACE Zone (2016)	\$ 367,117
	\$ 367,117

2016 ACE Zone Transmission Peak Load (MW) 2,553

Transmission Enhancement Rate (\$/MW) \$ 143.81

Rate Class	Col. 1 Transmission Obligation (MW)	Col. 2 Allocated Cost Recovery	Col. 3 BGS Eligible Sales June 2015 - May 2016 (kWh)	Col. 4 = Col. 2/Col. 3 Transmission Enhancement Charge (\$/kWh)	Col. 5 = Col. 4 x 1/(1-.005) Transmission Enhancement Charge w/ BPU Assessment (\$/kWh)	Col. 6 = Col. 5 x 1.07 Transmission Enhancement Charge w/ SUT (\$/kWh)
RS	1,377.1	\$ 2,376,498	4,153,440,930	\$ 0.000572	\$ 0.000573	\$ 0.000613
MGS Secondary	327.3	\$ 564,872	1,159,405,523	\$ 0.000487	\$ 0.000488	\$ 0.000522
MGS Primary	2.4	\$ 4,140	19,649,973	\$ 0.000211	\$ 0.000211	\$ 0.000226
AGS Secondary	320.6	\$ 553,204	1,920,506,563	\$ 0.000288	\$ 0.000289	\$ 0.000309
AGS Primary	36.5	\$ 62,903	578,947,070	\$ 0.000109	\$ 0.000109	\$ 0.000117
TGS	157.4	\$ 271,591	1,115,063,185	\$ 0.000244	\$ 0.000245	\$ 0.000262
SPL/CSL	0.0	\$ -	74,668,520	\$ -	\$ -	\$ -
DDC	1.7	\$ 2,881	12,290,157	\$ 0.000234	\$ 0.000235	\$ 0.000251
	2,222.9	\$ 3,836,089	9,033,971,921			

Attachment 5 – RECO Tariffs and Rate Translation

Attachment 5a  
Pro-forma RECO Tariff Sheets

Attachment 5b  
RECO Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates

Attachment 5a  
Pro-forma RECO Tariff Sheets

**Rockland Electric Company**

Calculation of Transmission Surcharges reflecting proposed changes effective May 1, 2016

To reflect: RMR Costs

- FERC-approved ACE Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved AEP-East Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved Delmarva Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved PATH Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved PEPSCO Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved PPL Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- FERC-approved PSE&G Project Schedule 12 Charges (Schedule 12 PJM OATT)
- FERC-approved TrAILCo Project Schedule 12 Charges (Schedule 12 PJM OATT) currently in RECO's rates
- 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)	0.00004	0.00003	0.00002	0.00003	0.00000	0.00003	0.00000	0.00002
Delmarva - TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
PATH - TEC	(5)	0.00006	0.00004	0.00003	0.00004	0.00000	0.00004	0.00000	0.00002
PEPCO - TEC	(6)	0.00004	0.00002	0.00002	0.00003	0.00000	0.00003	0.00000	0.00002
PPL - TEC	(7)	0.00022	0.00013	0.00012	0.00014	0.00000	0.00015	0.00000	0.00009
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	0.00025	0.00023	0.00026	0.00000	0.00028	0.00000	0.00017
VEPCo - TEC	(10)	0.00034	0.00020	0.00017	0.00020	0.00000	0.00023	0.00000	0.00014
Total (\$/kWh and excl SUT)		\$0.00950	\$0.00566	\$0.00488	\$0.00569	\$0.00000	\$0.00634	\$0.00000	\$0.00382
Total (¢/kWh and excl SUT)		0.950 ¢	0.566 ¢	0.488 ¢	0.569 ¢	0.000 ¢	0.634 ¢	0.000 ¢	0.382 ¢

**(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)	0.00004	0.00003	0.00002	0.00003	0.00000	0.00003	0.00000	0.00002
Delmarva - TEC	(4)	0.00003	0.00002	0.00001	0.00002	0.00000	0.00002	0.00000	0.00001
PATH - TEC	(5)	0.00006	0.00004	0.00003	0.00004	0.00000	0.00004	0.00000	0.00002
PEPCO - TEC	(6)	0.00004	0.00002	0.00002	0.00003	0.00000	0.00003	0.00000	0.00002
PPL - TEC	(7)	0.00024	0.00014	0.00013	0.00015	0.00000	0.00016	0.00000	0.00010
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	0.00027	0.00025	0.00028	0.00000	0.00030	0.00000	0.00018
VEPCo - TEC	(10)	0.00036	0.00021	0.00018	0.00021	0.00000	0.00025	0.00000	0.00015
Total (\$/kWh and incl SUT)		\$0.01015	\$0.00605	\$0.00522	\$0.00608	\$0.00000	\$0.00678	\$0.00000	\$0.00408
Total (¢/kWh and incl SUT)		1.015 ¢	0.605 ¢	0.522 ¢	0.608 ¢	0.000 ¢	0.678 ¢	0.000 ¢	0.408 ¢

**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 pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (3) AEP-East-TEC rates pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (4) Delmarva-TEC rates pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (5) PATH-TEC rates pursuant to the Board's Order dated February 6, 2016 in Docket No. ER15121430.
- (6) PEPSCO-TEC rates pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (7) PPL-TEC rates pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (8) PSE&G-TEC rates calculated in Attachment 5 of the joint filing.
- (9) TrAILCo-TEC rates pursuant to the Board's Order dated August 19, 2015 in Docket No. ER15070764.
- (10) VEPCo-TEC rates pursuant to the Board's Order dated February 6, 2016 in Docket No. ER15121430.

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

**RATE – MONTHLY (Continued)**

(3) Transmission Charge

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

	<u>Summer Months*</u>	<u>Other Months</u>
First 250 kWh ..... @	1.209 ¢ 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	<b>1.015</b> ¢ per kWh	<b>1.015</b> ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

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

\* Definition of Summer Billing Months - June through September

(Continued)

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

**RATE – MONTHLY (Continued)**

(3) Transmission Charges (Continued)

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

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Secondary Voltage Service Only</u>		
All kWh .....@	0.605 ¢ per kWh	0.605 ¢ per kWh
<u>Primary Voltage Service Only</u>		
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.

	<u>Summer Months*</u>	<u>Other Months</u>
<u>Peak</u>		
All kWh measured between 10:00 a.m. and 10:00 p.m., Monday through Friday ..... @		
	0.811 ¢ per kWh	0.811 ¢ per kWh
<u>Off-Peak</u>		
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	..... @	<b>0.608</b> ¢ per kWh	<b>0.608</b> ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

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

\* Definition of Summer Billing Months - June through September

(Continued)

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

**RATE - MONTHLY (Continued)**

(3) Transmission Charge

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

	<u>Summer Months*</u>	<u>Other Months</u>
First 250 kWh ... @	0.794 ¢ 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 ... @	0.678 ¢ per kWh	0.678 ¢ per kWh
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(4) Societal Benefits Charge, Regional Greenhouse Gas Initiative Surcharge, and Securitization Charges

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

\* Definition of Summer Billing Months - June through September

(Continued)



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

**RATE– MONTHLY (Continued)**

(3) Transmission Charges (Continued)

(a) (Continued)

		<u>Primary</u>	<u>High Voltage Distribution</u>
<u>Demand Charge</u>			
Period I	All kW @	\$1.92 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
<u>Usage Charge</u>			
Period I	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period II	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period III	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh
Period IV	All kWh @	0.366 ¢ per kWh	0.366 ¢ per kWh

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

		<u>Primary</u>	<u>High Voltage Distribution</u>
All Periods	All kWh @	0.408 ¢ per kWh	0.408 ¢ 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 0.408 ¢ 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 5b  
RECO Translation of PSE&G Schedule 12 (Transmission Enhancement)  
Charges into Customer Rates

**Rockland Electric Company**

Calculation of Transmission Surcharges reflecting changes in Transmission Enhancement Charges (PSE&G Project) effective May 1, 2016  
 To reflect FERC-approved PSE&G Project Schedule 12 Charges (Schedule 12 PJM OATT) for 2016

2016 Average Monthly PSE&G-TEC Costs Allocated to RECO	\$	831,719	(1)
2016 RECO Zone Transmission Peak Load (MW)		424.4	(2)
Transmission Enhancement Rate (\$/MW-month)	\$	1,959.98	

	Col. 1	Col. 2	Col.3=Col.2 x \$831,719 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 Jan 2016 - Dec 2016 (kWh)	Transmission Enhancement Charge (\$/kWh)	Transmission Enhancement Charge w/ SUT (\$/kWh)
SC1	251.5	59.27%	\$ 5,915,579	712,254,000	\$ 0.00831	\$ 0.00889
SC2 Secondary	116.8	27.52%	\$ 2,746,347	554,531,000	\$ 0.00495	\$ 0.00530
SC2 Primary	15.6	3.67%	\$ 366,097	86,032,000	\$ 0.00426	\$ 0.00456
SC3	0.1	0.01%	\$ 1,392	281,000	\$ 0.00495	\$ 0.00530
SC4	0.0	0.00%	\$ -	6,481,000	\$ -	\$ -
SC5	3.9	0.91%	\$ 90,913	16,404,000	\$ 0.00554	\$ 0.00593
SC6	0.0	0.00%	\$ -	5,690,000	\$ -	\$ -
SC7	<u>36.6</u>	8.62%	\$ 860,296	<u>257,514,000</u>	\$ 0.00334	\$ 0.00357
Total	424.4 (2)	100.00%	\$ 9,980,624	1,639,187,000		

(1) Attachment 4 - Cost Allocation of PSE&G Project Schedule 12 Charges to RECO Zone for 2016

(2) Includes RECO's Central and Western Divisions

**BGS-FP Supplier Payment Adjustment**

Line No.

1	BGS-FP Eligible Sales Jan - Dec @ cust (RECO Eastern Division)	1,327,160	MWH
2	BGS-FP Eligible Sales Jan - Dec @ trans node (RECO Eastern Division)	1,234,839	MWH
3	BGS-FP Eligible Transmission Obligation	388	MW
4	Transmission Enhancement Costs to FP Suppliers	\$ 9,120,332.60	= Line 3 x \$1959.98 * 12
5	Change in Supplier Payment Rate \$/MWH (rounded to 2 decimals)	\$ 7.39	= Line 4/Line 2

Attachment 6 – PJM Schedule 12 (Transmission Enhancement) Charges

Attachment 6a  
PSE&G Project Charges

**Updated Attachment 6a -PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016**  
**Calculation of costs and monthly PJM charges for PSE&G Projects**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement <i>per PJM website</i>	PJM Upgrade ID <i>per PJM spreadsheet</i>	May - Dec 2016 Annual Revenue Requirement <i>per PJM website</i>	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share <sup>1,2</sup>	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
Replace all derated Branchburg 500/230 kva transformers	b0130	\$ 3,071,297.20	1.36%	47.63%	50.75%	0.00%	\$41,770	\$1,462,859	\$1,558,683	\$0	\$3,063,312
Reconductor Kittatinny - Newtown 230 kV with 1590 ACSS	b0134	\$ 1,240,095.29	0.00%	51.11%	45.96%	2.93%	\$0	\$633,813	\$569,948	\$36,335	\$1,240,095
Build new Essex - Aldene 230 kV cable connected through phase angle regulator at Essex	b0145	\$ 13,394,967.82	0.00%	73.45%	21.78%	4.77%	\$0	\$9,838,604	\$2,917,424	\$638,940	\$13,394,968
Install 4th 500/230 kV transformer at New Freedom	b0411	\$ 3,385,900.51	47.01%	7.04%	22.31%	0.00%	\$1,591,712	\$238,367	\$755,394	\$0	\$2,585,474
Replace wave trap at Branchburg 500kV substation	b0172.2	\$ 2,285.29	1.57%	3.57%	5.89%	0.24%	\$36	\$82	\$135	\$5	\$258
Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS	b0170	\$ 1,114,815.03	0.00%	42.95%	38.36%	0.79%	\$0	\$478,813	\$427,643	\$8,807	\$915,263
Loop the 5021 circuit into New Freedom 500 kV substation	b0498	\$ 2,982,831.59	1.57%	3.57%	5.89%	0.24%	\$46,830	\$106,487	\$175,689	\$7,159	\$336,165
Install 230-138kV transformer at Metuchen substation	b0161	\$ 4,249,279.62	0.00%	0.00%	99.80%	0.20%	\$0	\$0	\$4,240,781	\$8,499	\$4,249,280
Build a new 230 kV section from Branchburg - Flagtown and move the Flagtown - Somerville 230 kV circuit to the new section	b0169	\$ 976,747.43	1.70%	25.66%	58.96%	0.00%	\$16,605	\$250,633	\$575,890	\$0	\$843,128
Replace both 230/138 kV transformers at Roseland	b0274	\$ 3,067,264.47	0.00%	0.00%	88.56%	0.00%	\$0	\$0	\$2,716,369	\$0	\$2,716,369
Reconductor Hudson - South Waterfront 230kV circuit	b0813	\$ 1,203,471.24	0.00%	9.92%	83.73%	3.12%	\$0	\$119,384	\$1,007,666	\$37,548	\$1,164,599
Reconductor South Mahwah 345 kV J-3410 Circuit	b1017	\$ 3,454,222.48	0.00%	14.69%	32.84%	1.28%	\$0	\$507,425	\$1,134,367	\$44,214	\$1,686,006
Reconductor South Mahwah 345 kV K-3411 Circuit	b1018	\$ 2,877,378.88	0.00%	14.77%	32.74%	1.28%	\$0	\$424,989	\$942,054	\$36,830	\$1,403,873
Replace Salem 500 kV breakers	b1410-b1415	\$ 3,750,334.87	1.57%	3.57%	5.89%	0.24%	\$58,880	\$133,887	\$220,895	\$9,001	\$422,663
Branchburg 400 MVAR Capacitor	b0290	\$ 17,144,700.59	1.57%	3.57%	5.89%	0.24%	\$269,172	\$612,066	\$1,009,823	\$41,147	\$1,932,208
Saddle Brook - Athenia Upgrade Cable	b0472	\$ 2,940,449.14	0.00%	0.00%	92.86%	3.47%	\$0	\$0	\$2,730,501	\$102,034	\$2,832,535
Branchburg-Somerville-Flagtown Reconductor	b0664-b0665	\$ 5,138,662.23	0.00%	36.35%	43.24%	1.61%	\$0	\$1,867,904	\$2,221,958	\$82,732	\$4,172,594
Somerville -Bridgewater Reconductor	b0668	\$ 1,396,346.28	0.00%	39.41%	38.76%	1.45%	\$0	\$550,300	\$541,224	\$20,247	\$1,111,771
New Essex-Kearny 138 kV circuit and Kearny 138 kV bus tie	b0814	\$ 14,219,398.91	0.00%	23.49%	67.03%	2.50%	\$0	\$3,340,137	\$9,531,263	\$355,485	\$13,226,885
230kV Lawrence Switching Station Upgrade	b1228	\$ 3,260,909.34	0.00%	0.00%	95.83%	3.81%	\$0	\$0	\$3,124,929	\$124,241	\$3,249,170
Ridge Rd 69kV Breaker Station	b1255	\$ 2,807,870.91	0.00%	0.00%	96.18%	3.82%	\$0	\$0	\$2,700,610	\$107,261	\$2,807,871
New Cox's Corner-Lumberton 230kV Circuit	b1787	\$ 4,125,793.09	4.96%	44.20%	48.08%	1.92%	\$204,639	\$1,823,601	\$1,983,681	\$79,215	\$4,091,136
Sewaren Switch 230kV Convers.	b2276	\$ 9,480,938.08	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0
Bergen Substation Transformer	b1082	\$ (1,822,685.13)	0.00%	0.00%	80.29%	3.19%	\$0	\$0	-\$1,463,434	-\$58,144	-\$1,521,578

**Updated Attachment 6a -PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016**  
**Calculation of costs and monthly PJM charges for PSE&G Projects**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement <i>per PJM website</i>	PJM Upgrade ID <i>per PJM spreadsheet</i>	May - Dec 2016 Annual Revenue Requirement <i>per PJM website</i>	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share <sup>1,2</sup>	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
			<i>per PJM Open Access Transmission Tariff</i>								
Upgrade Camden Richmon 230kV	b1590	\$ 1,767,770.54	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0
Uprate Eagle Point-Gloucester 230 kV Circuit	b1588	\$ 1,654,204.43	0.00%	10.31%	54.17%	2.16%	\$0	\$170,548	\$896,083	\$35,731	\$1,102,362
Build Mickleton-Gloucester Corridor Ultimate Design	b2139	\$ 2,525,192.28	0.00%	0.00%	61.11%	2.44%	\$0	\$0	\$1,543,145	\$61,615	\$1,604,760
Branchburg-Middlesex Sw Rack	b1155	\$ 13,935,900.56	0.00%	4.61%	91.75%	3.64%	\$0	\$642,445	\$12,786,189	\$507,267	\$13,935,901
Aldene-Springfield Rd. Conv	b1399	\$ 9,579,949.84	0.00%	0.00%	96.18%	3.82%	\$0	\$0	\$9,213,996	\$365,954	\$9,579,950
Susquehanna Roseland Breakers (In-Service)	b0489.5-.9	\$ 283,758.12	1.57%	3.57%	5.89%	0.24%	\$4,455	\$10,130	\$16,713	\$681	\$31,980
Build new 500 kV transmission facilities from Pennsylvania - New Jersey border at Bushkill to Roseland (Below 500 kV elements of the project) (In Service)	b0489.4	\$ 6,316,485.41	5.07%	32.57%	40.51%	1.51%	\$320,246	\$2,057,279	\$2,558,808	\$95,379	\$5,031,712
Susquehanna Roseland <500kV (CWIP)	b0489.4	\$ (5,604,287.23)	5.07%	32.57%	40.51%	1.51%	-\$284,137	-\$1,825,316	-\$2,270,297	-\$84,625	-\$4,464,375
Build new 500 kV transmission facilities from Pennsylvania - New Jersey border at Bushkill to Roseland (500kV and above elements of the project)	b0489	\$ 127,132,901.55	1.57%	3.57%	5.89%	0.24%	\$1,995,987	\$4,538,645	\$7,488,128	\$305,119	\$14,327,878
Susquehanna Roseland >500kV CWIP	b0489	\$ (20,263,143.38)	1.57%	3.57%	5.89%	0.24%	-\$318,131	-\$723,394	-\$1,193,499	-\$48,632	-\$2,283,656
Burlington - Camden 230kV Conversion	b1156	\$ 42,580,414.02	0.00%	0.00%	96.18%	3.82%	\$0	\$0	\$40,953,842	\$1,626,572	\$42,580,414
Burlington - Camden 230kV Conversion (CWIP)	b1156	\$ 9,513,868.01	0.00%	0.00%	96.18%	3.82%	\$0	\$0	\$9,150,438	\$363,430	\$9,513,868
West Orange Conversion (North Central Reliability)	b1154	\$ 48,245,193.71	0.00%	0.00%	96.18%	3.82%	\$0	\$0	\$46,402,227	\$1,842,966	\$48,245,194
West Orange Conversion (North Central Reliability) (CWIP)	b1154	\$ (2,347,819.55)	0.00%	0.00%	96.18%	3.82%	\$0	\$0	-\$2,258,133	-\$89,687	-\$2,347,820
Mickleton-Gloucester-Camden	b1398-b1398.7	\$ 64,428,974.94	0.00%	12.82%	31.46%	1.25%	\$0	\$8,259,795	\$20,269,356	\$805,362	\$29,334,512
Mickleton-Gloucester-Camden (CWIP)	b1398-b1398.7	\$ (7,214,890.91)	0.00%	12.82%	31.46%	1.25%	\$0	-\$924,949	-\$2,269,805	-\$90,186	-\$3,284,940
Northeast Grid Reliability Project	b1304.1-b1304.4	\$ 119,666,665.77	0.21%	1.06%	63.81%	2.53%	\$251,300	\$1,268,467	\$76,359,299	\$3,027,567	\$80,906,633
Northeast Grid Reliability Project (CWIP)	b1304.1-b1304.4	\$ (19,851,347.56)	0.21%	1.06%	63.81%	2.53%	-\$41,688	-\$210,424	-\$12,667,145	-\$502,239	-\$13,421,496
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades	b2436.21	\$ 1,480,229.77	0.79%	1.79%	2.95%	0.12%	\$11,620	\$26,422	\$43,593	\$1,776	\$83,411
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (CWIP)	b2436.21	\$ 1,492,254.38	0.79%	1.79%	2.95%	0.12%	\$11,714	\$26,637	\$43,947	\$1,791	\$84,089

**Updated Attachment 6a -PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016**  
**Calculation of costs and monthly PJM charges for PSE&G Projects**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Required Transmission Enhancement <i>per PJM website</i>	PJM Upgrade ID <i>per PJM spreadsheet</i>	May - Dec 2016 Annual Revenue Requirement <i>per PJM website</i>	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
			ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share <sup>1,2</sup>	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
			<i>per PJM Open Access Transmission Tariff</i>								
Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades	b2436.22	\$ 1,480,229.77	0.79%	1.79%	2.95%	0.12%	\$11,620	\$26,422	\$43,593	\$1,776	\$83,411
Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (CWIP)	b2436.22	\$ 1,127,508.97	0.79%	1.79%	2.95%	0.12%	\$8,851	\$20,126	\$33,205	\$1,353	\$63,535
Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (CWIP)	b2436.50	\$ 1,594,351.75	0.00%	0.00%	0.00%	0.00%					
Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (CWIP)	b2436.60	\$ 1,030,613.90	0.00%	0.00%	0.00%	0.00%					
Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (CWIP)	b2436.70	\$ 1,853,412.12	0.00%	0.00%	0.00%	0.00%					
Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (CWIP)	b2436.81	\$ 1,145,297.49	0.79%	1.79%	37.53%	1.48%	\$8,991	\$20,444	\$429,830	\$16,893	\$476,157
Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (CWIP)	b2436.83	\$ 1,145,297.49	0.79%	1.79%	37.53%	1.48%	\$8,991	\$20,444	\$429,830	\$16,893	\$476,157
Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades	b2436.90	\$ 2,047,239.69	0.79%	1.79%	2.95%	0.12%	\$16,071	\$36,543	\$60,291	\$2,457	\$115,362
Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (CWIP)	b2436.90	\$ 1,150,052.66	0.79%	1.79%	2.95%	0.12%	\$9,028	\$20,528	\$33,869	\$1,380	\$64,805
New Bergen 345/230 kV transformer and any associated substation upgrades	b2437.10	\$ 1,898,793.54	0.00%	0.00%	3.31%	0.13%	\$0	\$0	\$62,825	\$2,468	\$65,294
New Bergen 345/230 kV transformer and any associated substation upgrades (CWIP)	b2437.10	\$ 1,561,800.55	0.00%	0.00%	3.31%	0.13%	\$0	\$0	\$51,675	\$2,030	\$53,706
New Bergen 345/138 kV transformer #1 and any associated substation upgrades	b2437.11	\$ 1,898,793.54	0.00%	0.00%	0.00%	0.00%					
New Bergen 345/138 kV transformer #1 and any associated substation upgrades (CWIP)	b2437.11	\$ 1,561,986.10	0.00%	0.00%	0.00%	0.00%					



**Updated Attachment 6a -PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016**  
**Calculation of costs and monthly PJM charges for PSE&G Projects**

Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	May - Dec 2016 Annual Revenue Requirement per PJM website	Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project					
			ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share <sup>1,2</sup>	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges	
New Bayway 345/138 kV transformer #1 and any associated substation upgrades (CWIP)	b2437.20	\$ 644,576.28	0.00%	0.00%	0.00%	0.00%						
New Bayway 345/138 kV transformer #2 and any associated substation upgrades (CWIP)	b2437.21	\$ 644,666.17	0.00%	0.00%	0.00%	0.00%						
New Linden 345/230 kV transformer and any associated substation upgrades (CWIP)	b2437.30	\$ 866,558.50	0.00%	0.00%	0.00%	0.00%						
Convert Bergen Marion 138 kV to double circuit 345kV and Sub	b2436.10_dfax	\$ 8,942,408.50	0.00%	0.00%	0.96%	0.04%	\$0	\$0	\$85,847	\$3,389	\$89,237	
Convert Bergen Marion 138 kV to double circuit 345kV and Sub	b2436.10	\$ 8,942,408.50	1.57%	3.57%	5.89%	0.24%	\$140,396	\$319,244	\$526,708	\$21,462	\$1,007,809	
Construct New Bayway-Bayonne 345kV Circuit	b2436.33	\$ 2,966,412.00	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0	
Construct New North Ave-Bayonne 345kV Circuit	b2436.34	\$ 1,698,923.00	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0	
Convert Bayway-Linden "W" to 138kV circuit to 345kV	b2436.84_dfax	\$ 651,092.00	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0	
Convert Bayway-Linden "W" to 138kV circuit to 345kV	b2436.84	\$ 651,092.00	1.57%	3.57%	5.89%	0.24%	\$10,222	\$23,244	\$38,349	\$1,563	\$73,378	
Convert Bayway-Linden "M" to 138kV circuit to 345kV	b2436.85_dfax	\$ 651,092.00	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0	
Convert Bayway-Linden "M" to 138kV circuit to 345kV	b2436.85	\$ 651,092.00	1.57%	3.57%	5.89%	0.24%	\$10,222	\$23,244	\$38,349	\$1,563	\$73,378	
New Bayonne 345/69 kV Transformer and Sub Upgrades	b2437.33	\$ 152,043.00	0.00%	0.00%	0.00%	0.00%	\$0	\$0	\$0	\$0	\$0	
<b>Totals</b>		<b>\$ 545,743,291.38</b>					<b>\$4,405,399</b>	<b>\$36,215,873</b>	<b>\$248,524,752</b>	<b>\$9,980,625</b>	<b>\$299,126,650</b>	

Notes on calculations >>>

	(k)	(l)	(m)	(n)	(o)	= (a) * (b)	= (a) * (c)	= (a) * (d)	= (a) * (e)	= (f) + (g) +
Zonal Cost Allocation for New Jersey Zones	Average Monthly Impact on Zone Customers in 2016	2016 Trans. Peak Load <sup>2</sup>	Rate in \$/MW-mo. <sup>1</sup>	2016 Impact (12 months)						
PSE&G	\$ 20,710,396.02	9,594.9	\$ 2,158.48	\$ 248,524,752						
JCP&L	\$ 3,017,989.41	5,818.1	\$ 518.72	\$ 36,215,873						
ACE	\$ 367,116.62	2,552.8	\$ 143.81	\$ 4,405,399						
RE	\$ 831,718.74	397.7	\$ 2,091.32	\$ 9,980,625						
<b>Total Impact on NJ Zones</b>	<b>\$ 24,927,220.80</b>	<b>18,363.5</b>		<b>\$ 299,126,650</b>						

Notes on calculations >>>

**Notes:**

- 1) Uncompressed rate - assumes implementation on May 1, 2016
- 2) Data on PJM website

Attachment 7 – Cost Allocations

Attachment 7a – Responsible Customer Shares for PSE&G Schedule 12 Projects  
Source – PJM OATT

**SCHEDULE 12 – APPENDIX**

**(12) Public Service Electric and Gas Company**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0025	Convert the Bergen-Leonia 138 Kv circuit to 230 kV circuit.	PSEG (100%)
b0090	Add 150 MVAR capacitor at Camden 230 kV	PSEG (100%)
b0121	Add 150 MVAR capacitor at Aldene 230 kV	PSEG (100%)
b0122	Bypass the Essex 138 kV series reactors	PSEG (100%)
b0125	Add Special Protection Scheme at Bridgewater to automatically open 230 kV breaker for outage of Branchburg – Deans 500 kV and Deans 500/230 kV #1 transformer	PSEG (100%)
b0126	Replace wavetrap on Branchburg – Flagtown 230 kV	PSEG (100%)
b0127	Replace terminal equipment to increase Brunswick – Adams – Bennetts Lane 230 kV to conductor rating	PSEG (100%)
b0129	Replace wavetrap on Flagtown – Somerville 230 kV	PSEG (100%)
b0130	Replace all derated Branchburg 500/230 kV transformers	AEC (1.36%) / ConEd (0.26%) / JCPL (47.63%) / PSEG (50.75%)
b0134	Upgrade or Retension PSEG portion of Kittatinny – Newton 230 kV circuit	JCPL (51.11%) / PSEG (45.96%) / RE (2.93%)

The Annual Revenue Requirement for all Public Service Electric and Gas Company Projects (Required Transmission Enhancements) in this Section 12 shall be as specified in Attachment 7 of Attachment H-10A and under the procedures detailed in Attachment H-10B.

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0145	Build new Essex – Aldene 230 kV cable connected through a phase angle regulator at Essex	PSEG (21.78%) / JCPL (73.45%) / RE (4.77%)
b0157	Add 100MVAR capacitor at West Orange 138kV substation	PSEG (100%)
b0158	Close the Sunnymeade "C" and "F" bus tie	PSEG (100%)
b0159	Make the Bayonne reactor permanent installation	PSEG (100%)
b0160	Relocate the X-2250 circuit from Hudson 1-6 bus to Hudson 7-12 bus	PSEG (100%)
b0161	Install 230/138kV transformer at Metuchen substation	PSEG (99.80%) / RE (0.20%)
b0162	Upgrade the Edison – Meadow Rd 138kV “Q” circuit	PSEG (100%)
b0163	Upgrade the Edison – Meadow Rd 138kV “R” circuit	PSEG (100%)
b0169	Build a new 230 kV section from Branchburg – Flagtown and move the Flagtown – Somerville 230 kV circuit to the new section	AEC (1.70%) / ConEd (1.06%) / JCPL (25.66%) / Neptune* (10.51%) / PSEG (58.96%) / ECP** (2.11%)
b0170	Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS	JCLP (42.95%) / Neptune* (17.90%) / PSEG (38.36%) / RE (0.79%)

\* Neptune Regional Transmission System, LLC

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

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0172.2	Replace wave trap at Branchburg 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%)
b0184	Replace Hudson 230kV circuit breakers #1-2	PSEG (100%)
b0185	Replace Deans 230kV circuit breakers #9-10	PSEG (100%)
b0186	Replace Essex 230kV circuit breaker #5-6	PSEG (100%)
b1082	Install 230/138 kV transformer at Bergen substation	PENELEC (16.52%) / PSEG (80.29%) / RE (3.19%)

\* Neptune Regional Transmission System, LLC

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

\*\*\* Hudson Transmission Partners, LLC

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0201	Branchburg substation: replace wave trap on Branchburg – Readington 230 kV circuit	PSEG (100%)
b0213.1	Replace New Freedom 230 kV breaker BS2-6	PSEG (100%)
b0213.3	Replace New Freedom 230 kV breaker BS2-8	PSEG (100%)
b0274	Replace both 230/138 kV transformers at Roseland	ConEd (8.48%) / PSEG (88.56%) / ECP** (2.96%)
b0275	Upgrade the two 138 kV circuits between Roseland and West Orange	PSEG (100%)
b0278	Install 228 MVAR capacitor at Roseland 230 kV substation	PSEG (100%)
b0290	Install 400 MVAR capacitor in the Branchburg 500 kV vicinity	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%) / PEPSCO (3.85%) / PPL (4.95%) / PSEG (5.89%) / RE (0.24%) / ECP** (0.20%)
b0358	Reconductor the PSEG portion of Buckingham – Pleasant Valley 230 kV, replace wave trap and metering transformer	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0368	Reconductor Tosco – G22_MTX 230 kV circuit with 1033 bundled ACSS	PSEG (100%)
b0371	Make the Metuchen 138 kV bus solid and upgrade 6 breakers at the Metuchen substation	PSEG (100%)
b0372	Make the Athenia 138 kV bus solid and upgrade 2 breakers at the Athenia substation	PSEG (100%)
b0395	Replace Hudson 230 kV breaker BS4-5	PSEG (100%)
b0396	Replace Hudson 230 kV breaker BS1-6	PSEG (100%)
b0397	Replace Hudson 230 kV breaker BS3-4	PSEG (100%)
b0398	Replace Hudson 230 kV breaker BS5-6	PSEG (100%)
b0401.1	Replace Roseland 230 kV breaker BS6-7	PSEG (100%)
b0401.2	Replace Roseland 138 kV breaker O-1315	PSEG (100%)
b0401.3	Replace Roseland 138 kV breaker S-1319	PSEG (100%)
b0401.4	Replace Roseland 138 kV breaker T-1320	PSEG (100%)
b0401.5	Replace Roseland 138 kV breaker G-1307	PSEG (100%)
b0401.6	Replace Roseland 138 kV breaker P-1316	PSEG (100%)
b0401.7	Replace Roseland 138 kV breaker 220-4	PSEG (100%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0401.8	Replace W. Orange 138 kV breaker 132-4	PSEG (100%)
b0411	Install 4 <sup>th</sup> 500/230 kV transformer at New Freedom	AEC (47.01%) / JCPL (7.04%) / Neptune* (0.28%) / PECO (23.36%) / PSEG (22.31%)
b0423	Reconductor Readington (2555) – Branchburg (4962) 230 kV circuit w/1590 ACSS	PSEG (100%)
b0424	Replace Readington wavetrapp on Readington (2555) – Roseland (5017) 230 kV circuit	PSEG (100%)
b0425	Reconductor Linden (4996) – Tosco (5190) 230 kV circuit w/1590 ACSS (Assumes operating at 220 degrees C)	PSEG (100%)
b0426	Reconductor Tosco (5190) – G22_MTX5 (90220) 230 kV circuit w/1590 ACSS (Assumes operation at 220 degrees C)	PSEG (100%)
b0427	Reconductor Athenia (4954) – Saddle Brook (5020) 230 kV circuit river section	PSEG (100%)
b0428	Replace Roseland wavetrapp on Roseland (5019) – West Caldwell “G” (5089) 138 kV circuit	PSEG (100%)
b0429	Reconductor Kittatinny (2553) – Newton (2535) 230 kV circuit w/1590 ACSS	JCPL (41.91%) / Neptune* (3.59%) / PSEG (50.59%) / RE (2.23%) / ECP** (1.68%)
b0439	Spare Deans 500/230 kV transformer	PSEG (100%)
b0446.1	Upgrade Bayway 138 kV breaker #2-3	PSEG (100%)
b0446.2	Upgrade Bayway 138 kV breaker #3-4	PSEG (100%)



**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0446.3	Upgrade Bayway 138 kV breaker #6-7	PSEG (100%)
b0446.4	Upgrade the breaker associated with TX 132-5 on Linden 138 kV	PSEG (100%)
b0470	Install 138 kV breaker at Roseland and close the Roseland 138 kV buses	PSEG (100%)
b0471	Replace the wave traps at both Lawrence and Pleasant Valley on the Lawrence – Pleasant Vallen 230 kV circuit	PSEG (100%)
b0472	Increase the emergency rating of Saddle Brook – Athenia 230 kV by 25% by adding forced cooling	ConEd (1.64%) / ECP (2.03%) / PSEG (92.86%) / RE (3.47%)
b0473	Move the 150 MVAR mobile capacitor from Aldene 230 kV to Lawrence 230 kV substation	PSEG (100%)
b0489	Build new 500 kV transmission facilities from Pennsylvania – New Jersey border at Bushkill to Roseland	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%)†
b489.1	Replace Athenia 230 kV breaker 31H	PSEG (100%)

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

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

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b489.2	Replace Bergen 230 kV breaker 10H	PSEG (100%)
b489.3	Replace Saddlebrook 230 kV breaker 21P	PSEG (100%)
b0489.4	Install two Roseland 500/230 kV transformers as part of the Susquehanna – Roseland 500 kV project	AEC (5.07%) / ComEd (0.29%) / ConEd (0.48%) / Dayton (0.03%) / DPL (1.75%) / JCPL (32.57%) / Neptune* (6.29%) / PECO (9.99%) / PENELEC (0.56%) / ECP** (0.95%) / PSEG (40.51%) / RE (1.51%) ††
b0489.5	Replace Roseland 230 kV breaker '42H' with 80 kA	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%)
b0489.6	Replace Roseland 230 kV breaker '51H' with 80 kA	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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0489.7	Replace Roseland 230 kV breaker '71H' with 80 kA	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%)
b0489.8	Replace Roseland 230 kV breaker '31H' with 80 kA	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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0489.9	Replace Roseland 230 kV breaker '11H' with 80 kA	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%)
b0489.10	Replace Roseland 230 kV breaker '21H'	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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0489.11	Replace Roseland 230 kV breaker '32H'	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%)
b0489.12	Replace Roseland 230 kV breaker '12H'	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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**Public Service Electric and Gas Company (cont.)**

Required	Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0489.13	Replace Roseland 230 kV breaker '52H'		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%)
b0489.14	Replace Roseland 230 kV breaker '41H'		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%)
b0489.15	Replace Roseland 230 kV breaker '72H'		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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0498	Loop the 5021 circuit into New Freedom 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%)
b0498.1	Upgrade the 20H circuit breaker	PSEG (100%)
b0498.2	Upgrade the 22H circuit breaker	PSEG (100%)
b0498.3	Upgrade the 30H circuit breaker	PSEG (100%)
b0498.4	Upgrade the 32H circuit breaker	PSEG (100%)
b0498.5	Upgrade the 40H circuit breaker	PSEG (100%)
b0498.6	Upgrade the 42H circuit breaker	PSEG (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%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0565	Install 100 MVAR capacitor at Cox’s Corner 230 kV substation	PSEG (100%)
b0578	Replace Essex 138 kV breaker 4LM (C1355 line to ECRRF)	PSEG (100%)
b0579	Replace Essex 138 kV breaker 1LM (220-1 TX)	PSEG (100%)
b0580	Replace Essex 138 kV breaker 1BM (BS1-3 tie)	PSEG (100%)
b0581	Replace Essex 138 kV breaker 2BM (BS3-4 tie)	PSEG (100%)
b0582	Replace Linden 138 kV breaker 3 (132-7 TX)	PSEG (100%)
b0592	Replace Metuchen 138 kV breaker ‘2-2 Transfer’	PSEG (100%)
b0664	Reconductor with 2x1033 ACSS conductor	JCPL (36.35%) / NEPTUNE* (18.80%) / PSEG (43.24%) / RE (1.61%)
b0665	Reconductor with 2x1033 ACSS conductor	JCPL (36.35%) / NEPTUNE* (18.80%) / PSEG (43.24%) / RE (1.61%)
b0668	Reconductor with 2x1033 ACSS conductor	JCPL (39.41%) / NEPTUNE* (20.38%) / PSEG (38.76%) / RE (1.45%)
b0671	Replace terminal equipment at both ends of line	PSEG (100%)
b0743	Add a bus tie breaker at Roseland 138 kV	PSEG (100%)
b0812	Increase operating temperature on line for one year to get 925E MVA rating	PSEG (100%)
b0813	Reconductor Hudson – South Waterfront 230 kV circuit	BGE (1.25%) / JCPL (9.92%) / NEPTUNE* (0.87%) / PEPCO (1.11%) / PSEG (83.73%) / RE (3.12%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0814	New Essex – Kearney 138 kV circuit and Kearney 138 kV bus tie	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.1	Replace Kearny 138 kV breaker '1-SHT' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.2	Replace Kearny 138 kV breaker '15HF' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.3	Replace Kearny 138 kV breaker '14HF' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.4	Replace Kearny 138 kV breaker '10HF' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.5	Replace Kearny 138 kV breaker '2HT' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.6	Replace Kearny 138 kV breaker '22HF' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.7	Replace Kearny 138 kV breaker '4HT' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.8	Replace Kearny 138 kV breaker '25HF' with 80 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0814.9	Replace Essex 138 kV breaker '2LM' with 63 kA breaker and 2.5 cycle contact parting time	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.10	Replace Essex 138 kV breaker '1BT' with 63 kA breaker and 2.5 cycle contact parting time	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.11	Replace Essex 138 kV breaker '2PM' with 63 kA breaker and 2.5 cycle contact parting time	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.12	Replace Marion 138 kV breaker '2HM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.13	Replace Marion 138 kV breaker '2LM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.14	Replace Marion 138 kV breaker '1LM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.15	Replace Marion 138 kV breaker '6PM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.16	Replace Marion 138 kV breaker '3PM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.17	Replace Marion 138 kV breaker '4LM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0814.18	Replace Marion 138 kV breaker '3LM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.19	Replace Marion 138 kV breaker '1HM' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.20	Replace Marion 138 kV breaker '2PM3' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.21	Replace Marion 138 kV breaker '2PM1' with 63 kA breaker	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.22	Replace ECRR 138 kV breaker '903'	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.23	Replace Foundry 138 kV breaker '21P'	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.24	Change the contact parting time on Essex 138 kV breaker '3LM' to 2.5 cycles	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.25	Change the contact parting time on Essex 138 kV breaker '2BM' to 2.5 cycles	JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0814.26 Change the contact parting time on Essex 138 kV breaker '1BM' to 2.5 cycles		JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.27 Change the contact parting time on Essex 138 kV breaker '3PM' to 2.5 cycles		JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.28 Change the contact parting time on Essex 138 kV breaker '4LM' to 2.5 cycles		JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.29 Change the contact parting time on Essex 138 kV breaker '1PM' to 2.5 cycles		JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)
b0814.30 Change the contact parting time on Essex 138 kV breaker '1LM' to 2.5 cycles		JCPL (23.49%) / NEPTUNE* (1.61%) / PENELEC (5.37%) / PSEG (67.03%) / RE (2.50%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0829	Build Branchburg to Roseland 500 kV circuit as part of Branchburg – Hudson 500 kV project	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%)
b0829.6	Replace Branchburg 500 kV breaker 91X	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%)
b0829.9	Replace Branchburg 230 kV breaker 102H	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0829.11	Replace Branchburg 230 kV breaker 32H	PSEG (100%)
b0829.12	Replace Branchburg 230 kV breaker 52H	PSEG (100%)
b0830	Build Roseland - Hudson 500 kV circuit as part of Branchburg – Hudson 500 kV project	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%)
b0830.1	Replace Roseland 230 kV breaker '82H' with 80 kA	PSEG (100%)
b0830.2	Replace Roseland 230 kV breaker '91H' with 80 kA	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0830.3	Replace Roseland 230 kV breaker '22H' with 80 kA	PSEG (100%)
b0831	Replace 138/13 kV transformers with 230/13 kV units as part of Branchburg – Hudson 500 kV project	ComEd (2.51%) / Dayton (0.09%) / PENELEC (2.75%) / ECP** (2.45%) / PSEG (88.74%) / RE (3.46%)
b0832	Build Hudson 500 kV switching station as part of Branchburg – Hudson 500 kV project	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%)
b0833	Build Roseland 500 kV switching station as part of Branchburg – Hudson 500 kV project	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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b0834	Convert the E-1305/F-1306 to one 230 kV circuit as part of Branchburg – Hudson 500 kV project	ComEd (2.51%) / Dayton (0.09%) / PENELEC (2.75%) / ECP** (2.45%) / PSEG (88.74%) / RE (3.46%)
b0835	Build Hudson 230 kV transmission lines as part of Roseland – Hudson 500 kV project as part of Branchburg – Hudson 500 kV project	ComEd (2.51%) / Dayton (0.09%) / PENELEC (2.75%) / ECP** (2.45%) / PSEG (88.74%) / RE (3.46%)
b0836	Install transformation at new Hudson 500 kV switching station and perform Hudson 230 kV and 345 kV station work as part of Branchburg – Hudson 500 kV project	ComEd (2.51%) / Dayton (0.09%) / PENELEC (2.75%) / ECP** (2.45%) / PSEG (88.74%) / RE (3.46%)
b0882	Replace Hudson 230 kV breaker 1HA with 80 kA	PSEG (100%)
b0883	Replace Hudson 230 kV breaker 2HA with 80 kA	PSEG (100%)
b0884	Replace Hudson 230 kV breaker 3HB with 80 kA	PSEG (100%)
b0885	Replace Hudson 230 kV breaker 4HA with 80 kA	PSEG (100%)
b0886	Replace Hudson 230 kV breaker 4HB with 80 kA	PSEG (100%)
b0889	Replace Bergen 230 kV breaker '21H'	PSEG (100%)
b0890	Upgrade New Freedom 230 kV breaker '21H'	PSEG (100%)
b0891	Upgrade New Freedom 230 kV breaker '31H'	PSEG (100%)
b0899	Replace ECRR 138 kV breaker 901	PSEG (100%)
b0900	Replace ECRR 138 kV breaker 902	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1013	Replace Linden 138 kV breaker '7PB'	PSEG (100%)
b1017	Reconductor South Mahwah - Waldwick 345 kV J-3410 circuit	ConEd (49.36%) / JCPL (14.69%) / NEPTUNE* (1.39%) / PSEG (32.84%) / RE (1.28%) / ECP** (0.44%)
b1018	Reconductor South Mahwah - Waldwick 345 kV K-3411 circuit	ConEd (49.38%) / JCPL (14.77%) / NEPTUNE* (1.39%) / PSEG (32.74%) / RE (1.28%) / ECP** (0.44%)
b1019.1	Replace wave trap, line disconnect and ground switch at Roseland on the F-2206 circuit	PSEG (100%)
b1019.2	Replace wave trap, line disconnect and ground switch at Roseland on the B-2258 circuit	PSEG (100%)
b1019.3	Replace 1-2 and 2-3 section disconnect and ground switches at Cedar Grove on the F-2206 circuit	PSEG (100%)
b1019.4	Replace 1-2 and 2-3 section disconnect and ground switches at Cedar Grove on the B-2258 circuit	PSEG (100%)
b1019.5	Replace wave trap, line disconnect and ground switch at Cedar Grove on the F-2206 circuit	PSEG (100%)
b1019.6	Replace line disconnect and ground switch at Cedar Grove on the K-2263 circuit	PSEG (100%)
b1019.7	Replace 2-4 and 4-5 section disconnect and ground switches at Clifton on the B-2258 circuit	PSEG (100%)
b1019.8	Replace 1-2 and 2-3 section disconnect and ground switches at Clifton on the K-2263 circuit	PSEG (100%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1019.9	Replace line, ground, 230 kV main bus disconnects at Athenia on the B-2258 circuit	PSEG (100%)
b1019.10	Replace wave trap, line, ground 230 kV breaker disconnect and 230 kV main bus disconnects at Athenia on the K-2263 circuit	PSEG (100%)
b1082.1	Replace Bergen 138 kV breaker '30P' with 80 kA	PSEG (100%)
b1082.2	Replace Bergen 138 kV breaker '80P' with 80 kA	PSEG (100%)
b1082.3	Replace Bergen 138 kV breaker '70P' with 80 kA	PSEG (100%)
b1082.4	Replace Bergen 138 kV breaker '90P' with 63 kA	PSEG (100%)
b1082.5	Replace Bergen 138 kV breaker '50P' with 63 kA	PSEG (100%)
b1082.6	Replace Bergen 230 kV breaker '12H' with 80 kA	PSEG (100%)
b1082.7	Replace Bergen 230 kV breaker '21H' with 80 kA	PSEG (100%)
b1082.8	Replace Bergen 230 kV breaker '11H' with 80 kA	PSEG (100%)
b1082.9	Replace Bergen 230 kV breaker '20H' with 80 kA	PSEG (100%)
b1098	Re-configure the Bayway 138 kV substation and install three new 138 kV breakers	PSEG (100%)
b1099	Build a new 230 kV substation by tapping the Aldene – Essex circuit and install three 230/26 kV transformers, and serve some of the Newark area load from the new station	PSEG (100%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1100	Build a new 138 kV circuit from Bayonne to Marion	PSEG (100%)
b1101	Re-configure the Cedar Grove substation with breaker and half scheme and build a new 69 kV circuit from Cedar Grove to Hinchman	PSEG (100%)
b1154	Convert the West Orange 138 kV substation, the two Roseland – West Orange 138 kV circuits, and the Roseland – Sewaren 138 kV circuit from 138 kV to 230 kV	PSEG (96.18%) / RE (3.82%)
b1155	Build a new 230 kV circuit from Branchburg to Middlesex Sw. Rack. Build a new 230 kV substation at Middlesex	JCPL (4.61%) / PSEG (91.75%) / RE (3.64%)
b1155.3	Replace Branchburg 230 kV breaker '81H' with 63 kA	PSEG (100%)
b1155.4	Replace Branchburg 230 kV breaker '72H' with 63 kA	PSEG (100%)
b1155.5	Replace Branchburg 230 kV breaker '61H' with 63 kA	PSEG (100%)
b1155.6	Replace Branchburg 230 kV breaker '41H' with 63 kA	PSEG (100%)
b1156	Convert the Burlington, Camden, and Cuthbert Blvd 138 kV substations, the 138 kV circuits from Burlington to Camden, and the 138 kV circuit from Camden to Cuthbert Blvd. from 138 kV to 230 kV	PSEG (96.18%) / RE (3.82%)
b1156.13	Replace Camden 230 kV breaker '22H' with 80 kA	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1156.14	Replace Camden 230 kV breaker '32H' with 80 kA	PSEG (100%)
b1156.15	Replace Camden 230 kV breaker '21H' with 80 kA	PSEG (100%)
b1156.16	Replace New Freedom 230 kV breaker '50H' with 63 kA	PSEG (100%)
b1156.17	Replace New Freedom 230 kV breaker '41H' with 63 kA	PSEG (100%)
b1156.18	Replace New Freedom 230 kV breaker '51H' with 63 kA	PSEG (100%)
b1156.19	Rebuild Camden 230 kV to 80 kA	PSEG (100%)
b1156.20	Rebuild Burlington 230 kV to 80 kA	PSEG (100%)
b1197.1	Reconductor the PSEG portion of the Burlington – Croydon circuit with 1590 ACSS	PSEG (100%)
b1228	Re-configure the Lawrence 230 kV substation to breaker and half	HTP (0.14%) / ECP (0.22%) / PSEG (95.83%) / RE (3.81%)
b1255	Build a new 69 kV substation (Ridge Road) and build new 69 kV circuits from Montgomery – Ridge Road – Penns Neck/Dow Jones	PSEG (96.18%) / RE (3.82%)
b1304.1	Convert the existing 'D1304' and 'G1307' 138 kV circuits between Roseland – Kearny – Hudson to 230 kV operation	AEC (0.21%) / BGE (0.88%) / ComEd (2.11%) / ConEd (9.05%) / Dayton (0.12%) / JCPL (1.06%) / Neptune (0.06%) / HTP (14.60%) / PENELEC (2.70%) / PEPSCO (0.95%) / ECP (1.92%) / PSEG (63.81%) / RE (2.53%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1304.2	Expand existing Bergen 230 kV substation and reconfigure the Athenia 230 kV substation to breaker and a half scheme	AEC (0.21%) / BGE (0.88%) / ComEd (2.11%) / ConEd (9.05%) / Dayton (0.12%) / JCPL (1.06%) / Neptune (0.06%) / HTP (14.60%) / PENELEC (2.70%) / PEPCO (0.95%) / ECP (1.92%) / PSEG (63.81%) / RE (2.53%)
b1304.3	Build second 230 kV underground cable from Bergen to Athenia	AEC (0.21%) / BGE (0.88%) / ComEd (2.11%) / ConEd (9.05%) / Dayton (0.12%) / JCPL (1.06%) / Neptune (0.06%) / HTP (14.60%) / PENELEC (2.70%) / PEPCO (0.95%) / ECP (1.92%) / PSEG (63.81%) / RE (2.53%)
b1304.4	Build second 230 kV underground cable from Hudson to South Waterfront	AEC (0.21%) / BGE (0.88%) / ComEd (2.11%) / ConEd (9.05%) / Dayton (0.12%) / JCPL (1.06%) / Neptune (0.06%) / HTP (14.60%) / PENELEC (2.70%) / PEPCO (0.95%) / ECP (1.92%) / PSEG (63.81%) / RE (2.53%)
b1304.5	Replace Athenia 230 kV breaker '21H' with 80 kA	PSEG (100%)
b1304.6	Replace Athenia 230 kV breaker '41H' with 80 kA	PSEG (100%)
b1304.7	Replace South Waterfront 230 kV breaker '12H' with 80 kA	PSEG (100%)
b1304.8	Replace South Waterfront 230 kV breaker '22H' with 80 kA	PSEG (100%)
b1304.9	Replace South Waterfront 230 kV breaker '32H' with 80 kA	PSEG (100%)
b1304.10	Replace South Waterfront 230 kV breaker '52H' with 80 kA	PSEG (100%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1304.11	Replace South Waterfront 230 kV breaker '62H' with 80 kA	PSEG (100%)
b1304.12	Replace South Waterfront 230 kV breaker '72H' with 80 kA	PSEG (100%)
b1304.13	Replace South Waterfront 230 kV breaker '82H' with 80 kA	PSEG (100%)
b1304.14	Replace Essex 230 kV breaker '20H' with 80 kA	PSEG (100%)
b1304.15	Replace Essex 230 kV breaker '21H' with 80 kA	PSEG (100%)
b1304.16	Replace Essex 230 kV breaker '10H' with 80 kA	PSEG (100%)
b1304.17	Replace Essex 230 kV breaker '11H' with 80 kA	PSEG (100%)
b1304.18	Replace Essex 230 kV breaker '11HL' with 80 kA	PSEG (100%)
b1304.19	Replace Newport R 230 kV breaker '23H' with 63 kA	PSEG (100%)
b1304.20	Rebuild Athenia 230 kV substation to 80 kA	PSEG (100%)
b1304.21	Rebuild Bergen 230 kV substation to 80 kA	PSEG (100%)
b1398	Build two new parallel underground circuits from Gloucester to Camden	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1398.1	Install shunt reactor at Gloucester to offset cable charging	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b1398.2	Reconfigure the Cuthbert station to breaker and a half scheme	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPSCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1398.3	Build a second 230 kV parallel overhead circuit from Mickelton – Gloucester	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPSCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1398.4	Reconductor the existing Mickleton – Gloucester 230 kV circuit (PSEG portion)	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPSCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1398.7	Reconductor the Camden – Richmond 230 kV circuit (PSEG portion) and upgrade terminal equipments at Camden substations	JCPL (12.82%) / NEPTUNE (1.18%) / HTP (0.79%) / PECO (51.08%) / PEPSCO (0.57%) / ECP** (0.85%) / PSEG (31.46%) / RE (1.25%)
b1398.15	Replace Gloucester 230 kV breaker '21H' with 63 kA	PSEG (100%)
b1398.16	Replace Gloucester 230 kV breaker '51H' with 63 kA	PSEG (100%)
b1398.17	Replace Gloucester 230 kV breaker '56H' with 63 kA	PSEG (100%)
b1398.18	Replace Gloucester 230 kV breaker '26H' with 63 kA	PSEG (100%)
b1398.19	Replace Gloucester 230 kV breaker '71H' with 63 kA	PSEG (100%)
b1399	Convert the 138 kV path from Aldene – Springfield Rd. – West Orange to 230 kV	PSEG (96.18%) / RE (3.82%)
b1400	Install 230 kV circuit breakers at Bennetts Ln. “F” and “X” buses	PSEG (100%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements      Annual Revenue Requirement      Responsible Customer(s)

b1410	Replace Salem 500 kV breaker '11X'		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%)
b1411	Replace Salem 500 kV breaker '12X'		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%)
b1412	Replace Salem 500 kV breaker '20X'		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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements      Annual Revenue Requirement      Responsible Customer(s)

b1413	Replace Salem 500 kV breaker '21X'		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%)
b1414	Replace Salem 500 kV breaker '31X'		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%)
b1415	Replace Salem 500 kV breaker '32X'		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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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements      Annual Revenue Requirement      Responsible Customer(s)

b1539	Replace Tosco 230 kV breaker 'CB1' with 63 kA		PSEG (100%)
b1540	Replace Tosco 230 kV breaker 'CB2' with 63 kA		PSEG (100%)
b1541	Open the Hudson 230 kV bus tie		PSEG (100%)
b1588	Reconductor the Eagle Point - Gloucester 230 kV circuit #1 and #2 with higher conductor rating		JCPL (10.31%) / Neptune* (0.98%) / HTP (0.75%) / PECO (30.81%) / ECP** (0.82%) / PSEG (54.17%) / RE (2.16%)
b1589	Re-configure the Kearny 230 kV substation and loop the P-2216-1 (Essex - NJT Meadows) 230 kV circuit		ATSI (8.00%) / HTP (20.18%) / PENELEC (7.77%) / PSEG (61.59%) / RE (2.46%)
b1590	Upgrade the PSEG portion of the Camden Richmond 230 kV circuit to six wire conductor and replace terminal equipment at Camden		BGE (3.05%) / ME (0.83%) / HTP (0.21%) / PECO (91.36%) / PEPSCO (1.93%) / PPL (2.46%) / ECP** (0.16%)
b1749	Advance n1237 (Replace Essex 230 kV breaker '22H' with 80kA)		PSEG (100%)
b1750	Advance n0666.5 (Replace Hudson 230 kV breaker '1HB' with 80 kA (without TRV cap, so actually 63 kA))		PSEG (100%)
b1751	Advance n0666.3 (Replace Hudson 230 kV breaker '2HA' with 80 kA (without TRV cap, so actually 63 kA))		PSEG (100%)
b1752	Advance n0666.10 (Replace Hudson 230 kV breaker '2HB' with 80 kA (without TRV cap, so actually 63 kA))		PSEG (100%)

\*Neptune Regional Transmission System, LLC

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

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements      Annual Revenue Requirement      Responsible Customer(s)

b1753	Marion 138 kV breaker '7PM' - delay the relay time to increase the contact parting time to 2.5 cycles		PSEG (100%)
b1754	Marion 138 kV breaker '3PM' - delay the relay time to increase the contact parting time to 2.5 cycles		PSEG (100%)
b1755	Marion 138 kV breaker '6PM' - delay the relay time to increase the contact parting time to 2.5 cycles		PSEG (100%)
b1787	Build a second 230 kV circuit from Cox's Corner - Lumberton		AEC (4.96%) / JCPL (44.20%) / NEPTUNE* (0.53%) / HTP (0.15%) / ECP** (0.16%) / PSEG (48.08%) / RE (1.92%)
b2034	Install a reactor along the Kearny - Essex 138 kV line		PSEG (100%)
b2035	Replace Sewaren 138 kV breaker '11P'		PSEG (100%)
b2036	Replace Sewaren 138 kV breaker '21P'		PSEG (100%)
b2037	Replace PVSC 138 kV breaker '452'		PSEG (100%)
b2038	Replace PVSC 138 kV breaker '552'		PSEG (100%)
b2039	Replace Bayonne 138 kV breaker '11P'		PSEG (100%)
b2139	Reconductor the Mickleton - Gloucester 230 kV parallel circuits with double bundle conductor		PSEG (61.11%) / PECO (36.45%) / RE (2.44%)
b2146	Re-configure the Brunswick 230 kV and 69 kV substations		PSEG (96.16%) / RE (3.84%)

\*Neptune Regional Transmission System, LLC

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

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements      Annual Revenue Requirement      Responsible Customer(s)

b2151	Construct Jackson Rd. 69 kV substation and loop the Cedar Grove - Hinchmans Ave into Jackson Rd. and construct Hawthorne 69 kV substation and build 69 kV circuit from Hinchmans Ave - Hawthorne - Fair Lawn		PSEG (100%)
b2159	Reconfigure the Linden, Bayway, North Ave, and Passaic Valley S.C. 138 kV substations. Construct and loop new 138 kV circuit to new airport station		PSEG (72.61%) / HTP (24.49%) / RE (2.90%)

\*Neptune Regional Transmission System, LLC

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

## **SCHEDULE 12 – APPENDIX A**

### **Required Transmission Enhancements Approved By The PJM Board On Or After February 1, 2013, Responsible Customers And Associated Transmission Owner Revenue Requirements.**

This Schedule 12 – Appendix A applies only to the assignment of cost responsibility or classification of Required Transmission Enhancements either (1) made by the Transmission Provider on or after February 1, 2013, or (2) applicable to Required Transmission Enhancements approved by the PJM Board pursuant to Section 1.6 of the PJM Operating Agreement on or after such effective date.

Required Transmission Enhancements that have been placed in service in PJM, the Transmission Owner(s) responsible for constructing and owning and/or financing such Required Transmission Enhancements, the Responsible Customers and the annual revenue requirement upon which Transmission Enhancement Charges determined in accordance with section (c) of Schedule 12 are based, are set forth below. Unless otherwise stated, all designations of Responsible Customers refer collectively to all Firm Point-to-Point Transmission Service and Network Integration Transmission Service customers in each indicated Zone and state the proportional (percentage) cost responsibility allocated to the indicated customers in each Zone. Zones are identified using the short names stated in Attachment J to the Tariff.

## SCHEDULE 12 – APPENDIX A

### (12) Public Service Electric and Gas Company

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2218	Rebuild 4 miles of overhead line from Edison - Meadow Rd - Metuchen (Q 1317)	HTP (36.49%) / ECP** (63.51%)
b2239	50 MVAR reactor at Saddlebrook 230 kV	PSEG (100%)
b2240	50 MVAR reactor at Athenia 230 kV	PSEG (100%)
b2241	50 MVAR reactor at Bergen 230 kV	PSEG (100%)
b2242	50 MVAR reactor at Hudson 230 kV	PSEG (100%)
b2243	Two 50 MVAR reactors at Stanley Terrace 230 kV	PSEG (100%)
b2244	50 MVAR reactor at West Orange 230 kV	PSEG (100%)
b2245	50 MVAR reactor at Aldene 230 kV	PSEG (100%)
b2246	150 MVAR reactor at Camden 230 kV	PSEG (100%)
b2247	150 MVAR reactor at Gloucester 230 kV	PSEG (100%)
b2248	50 MVAR reactor at Clarksville 230 kV	PSEG (100%)
b2249	50 MVAR reactor at Hinchmans 230 kV	PSEG (100%)
b2250	50 MVAR reactor at Beaverbrook 230 kV	PSEG (100%)
b2251	50 MVAR reactor at Cox's Corner 230 kV	PSEG (100%)

\*Neptune Regional Transmission System, LLC

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

The Annual Revenue Requirement for all Public Service Electric and Gas Company Projects (Required Transmission Enhancements) in this Section 12 shall be as specified in Attachment 7 of Attachment H-10A and under the procedures detailed in Attachment H-10B.

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2276	Eliminate the Sewaren 138 kV bus by installing a new 230 kV bay at Sewaren 230 kV	ConEd (50.82%) / ECP** (49.18%)
b2276.1	Convert the two 138 kV circuits from Sewaren – Metuchen to 230 kV circuits including Lafayette and Woodbridge substation	ConEd (50.82%) / ECP** (49.18%)
b2276.2	Reconfigure the Metuchen 230 kV station to accommodate the two converted circuits	ConEd (50.82%) / ECP** (49.18%)
b2290	Replace disconnect switches at Kilmer, Lake Nilson and Greenbrook 230 kV substations on the Raritan River - Middlesex (I-1023) circuit	PSEG (100%)
b2291	Replace circuit switcher at Lake Nelson 230 kV substation on the Raritan River - Middlesex (W-1037) circuit	PSEG (100%)
b2295	Replace the Salem 500 kV breaker 10X with 63kA breaker	PSEG (100%)
b2421	Install all 69kV lines to interconnect Plainfield, Greenbrook, and Bridgewater stations and establish the 69kV network	PSEG (100%)
b2421.1	Install two 18MVAR capacitors at Plainfield and S. Second St substation	PSEG (100%)

\*Neptune Regional Transmission System, LLC

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

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2421.2	Install a second four (4) breaker 69kV ring bus at Bridgewater Switching Station	PSEG (100%)
b2436.10	Convert the Bergen – Marion 138 kV path to double circuit 345 kV and associated substation upgrades	<p><b>Load-Ration Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01%) / DEOK (3.21%) / DL (1.69%) / Dominion (12.42%) / DPL (2.43%) / ECP** (0.20%) / EKPC (2.15%) / HTP*** (0.20%) / JCPL (3.54%) / ME (1.77%) / NEPTUNE* (0.42%) / PECO (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%)</p> <p><b>DFAX Allocation:</b>                      ConEd (93.00%) / ECP (5.76%) / HTP (0.24%) / PSEG (0.96%) / RE (0.04%)</p>

\*Neptune Regional Transmission System, LLC

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

\*\*\*Hudson Transmission Partners, LLC



**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)

\*Neptune Regional Transmission System, LLC

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

\*\*\*Hudson Transmission Partners, LLC

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)

\*Neptune Regional Transmission System, LLC

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

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.21	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades	<p><b>Load-Ratio Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87 %) / ATSI (7.76%) / BGE (4.18 %) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01%) / DEOK (3.21%) / DL (1.69 %) / DPL (2.43 %) / Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20 %) / JCPL (3.54 %) / ME (1.77 %) / NEPTUNE* (0.42%) / PECO (5.18 %) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%)</p> <p><b>DFAX Allocation:</b>                      ConEd (87.68%) / HTP*** (11.72%) / ECP** (0.60 %)</p>

\*Neptune Regional Transmission System, LLC

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)
b2436.22	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades		<p><b>Load-Ratio Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87 %) / ATSI (7.76%) / BGE (4.18 %) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01 %) / DEOK (3.21%) / DL (1.69 %) / DPL (2.43 %) / Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20 %) / JCPL (3.54 %) / ME (1.77 %) / NEPTUNE* (0.42%) / PECO (5.18 %) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%)</p> <p><b>DFAX Allocation:</b>                      ConEd (87.69%) / HTP*** (11.71%) / ECP** (0.60 %)</p>

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 \*\*East Coast Power, L.L.C.  
 \*\*\*Hudson Transmission Partners, LLC

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.33	Construct a new Bayway – Bayonne 345 kV circuit and any associated substation upgrades	ConEd (86.07%) / ECP (0.30%) / HTP (13.63%)
b2436.34	Construct a new North Ave – Bayonne 345 kV circuit and any associated substation upgrades	ConEd (86.05%) / ECP (0.33%) / HTP (13.62%)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.50	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades	ConEd (85.84%) / HTP*** (13.60%) / ECP** (0.56%)
b2436.60	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades	ConEd (86.19%) / HTP*** (13.65%) / ECP** (0.16 %)
b2436.70	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades	ConEd (86.26%) / HTP*** (13.66%) / ECP** (0.08 %)

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement		Responsible Customer(s)
b2436.81	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades		<p><b>Load-Ratio Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87 %) / ATSI (7.76%) / BGE (4.18 %) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01 %) / DEOK (3.21%) / DL (1.69%) / DPL (2.43 %) / Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20 %) / JCPL (3.54 %) / ME (1.77 %) / NEPTUNE* (0.42%) / PECO (5.18 %) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%)</p> <p><b>DFAX Allocation:</b>                      ConEd (12.79%) / HTP*** (6.60%) / ECP** (0.02%) / PSEG (77.53%) / RE (3.06%)</p>

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.83	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades	<p><b>Load-Ratio Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87 %) / ATSI (7.76%) / BGE (4.18 %) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01 %) / DEOK (3.21%) / DL (1.69%) / DPL (2.43 %) / Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20 %) / JCPL (3.54 %) / ME (1.77 %) / NEPTUNE* (0.42%) / PECO (5.18 %) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25 %) / ECP** (0.20%)</p> <p><b>DFAX Allocation:</b>                      ConEd (12.80%) / HTP*** (6.60%) / ECP** (0.02%) / PSEG (77.52%) / RE (3.06%)</p>
b2436.84	Convert the Bayway – Linden “W” 138 kV circuit to 345 kV and any associated substation upgrades	<p><b>Load-Ration Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01%) / DEOK (3.21%) / DL (1.69%) / Dominion (12.42%) / DPL (2.43%) / ECP** (0.20%) / EKPC (2.15%) / HTP*** (0.20%) / JCPL (3.54%) / ME (1.77%) / NEPTUNE* (0.42%) / PECO (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%)</p> <p><b>DFAX Allocation:</b>                      ConEd (65.97%) / ECP (0.02%) / HTP (34.01%)</p>

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**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.85	Convert the Bayway – Linden “M” 138 kV circuit to 345 kV and any associated substation upgrades	<p><b>Load-Ration Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01%) / DEOK (3.21%) / DL (1.69%) / Dominion (12.42%) / DPL (2.43%) / ECP** (0.20%) / EKPC (2.15%) / HTP*** (0.20%) / JCPL (3.54%) / ME (1.77%) / NEPTUNE* (0.42%) / PECO (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%)</p> <p><b>DFAX Allocation:</b>                      ConEd (65.97%) / ECP (0.02%) / HTP (34.01%)</p>
b2436.90	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades	<p><b>Load-Ratio Share Allocation:</b>                      AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%) / ConEd (0.57%) / Dayton (2.01%) / DEOK (3.21%) / DL (1.69%) / DPL (2.43%) / Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20%) / JCPL (3.54%) / ME (1.77%) / NEPTUNE* (0.42%) / PECO (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%)</p> <p><b>DFAX Allocation:</b>                      ConEd (99.16%) / HTP (0.05%) / PSEG (0.76%) / RE (0.03%)</p>

\*Neptune Regional Transmission System, LLC

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

\*\*\*Hudson Transmission Partners, LLC

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2436.91	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades	PSEG (100%)
b2437.10	New Bergen 345/230 kV transformer and any associated substation upgrades	ConEd (89.34%) / HTP*** (1.07%) / ECP** (5.58%) / PSEG (3.86%) / RE (0.15%)
b2437.11	New Bergen 345/138 kV transformer #1 and any associated substation upgrades	ConEd (95.12%) / ECP (4.88%)
b2437.20	New Bayway 345/138 kV transformer #1 and any associated substation upgrades	ConEd (0.32%) / ECP (0.03%) / HTP (3.27%) / PSEG (92.72%) / RE (3.66%)
b2437.21	New Bayway 345/138 kV transformer #2 and any associated substation upgrades	ConEd (0.15%) / ECP (0.02%) / HTP (2.91%) / PSEG (93.24%) / RE (3.68%)
b2437.30	New Linden 345/230 kV transformer and any associated substation upgrades	ConEd (19.62%) / HTP*** (8.43%) / ECP** (0.25%) / Neptune (0.05%) / PSEG (68.93%) / RE (2.72%)
b2437.33	New Bayonne 345/69 kV transformer and any associated substation upgrades	ConEd (100%)
b2438	<i>Install two reactors at Tosco 230 kV</i>	<i>PSEG (100.00%)</i>

\*Neptune Regional Transmission System, LLC

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

\*\*\*Hudson Transmission Partners, LLC

**Public Service Electric and Gas Company (cont.)**

Required Transmission Enhancements    Annual Revenue Requirement    Responsible Customer(s)

b2439	<i>Replace the Tosco 138kV breaker 'CB1/2 (CBT)' with 63kA</i>		<i>PSEG (100.00%)</i>
b2474	Rebuild Athenia 138 kV to 80kA		PSEG (100%)
b2589	<i>Install a 100 MVAR 230 kV shunt reactor at Mercer station</i>		<i>PSEG (100%)</i>
b2590	<i>Install two 75 MVAR 230 kV capacitors at Sewaren station</i>		<i>PSEG (100%)</i>

\*Neptune Regional Transmission System, LLC

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

\*\*\*Hudson Transmission Partners, LLC

Attachment 10

PSE&G Formula Rate for January 1, 2016 to December 31, 2016

Public Service Electric and Gas Company  
ATTACHMENT H-10A

Formula Rate -- Appendix A

Notes

FERC Form 1 Page # or  
Instruction

12 Months Ended  
12/31/2016

Shaded cells are input cells

**Allocators**

1	Wages & Salary Allocation Factor Transmission Wages Expense	(Note O)	Attachment 5	29,830,445
2	Total Wages Expense	(Note O)	Attachment 5	198,680,651
3	Less A&G Wages Expense	(Note O)	Attachment 5	6,226,170
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	192,454,482
5	<b>Wages &amp; Salary Allocator</b>		(Line 1 / Line 4)	<b>15.5000%</b>
<b>Plant Allocation Factors</b>				
6	Electric Plant in Service	(Note B)	Attachment 5	16,924,862,786
7	Common Plant in Service - Electric		(Line 22)	145,824,542
8	Total Plant in Service		(Line 6 + 7)	17,070,687,329
9	Accumulated Depreciation (Total Electric Plant)	(Note B & J)	Attachment 5	3,319,374,990
10	Accumulated Intangible Amortization - Electric	(Note B)	Attachment 5	5,264,202
11	Accumulated Common Plant Depreciation & Amortization - Electric	(Note B & J)	Attachment 5	17,761,451
12	Accumulated Common Amortization - Electric	(Note B)	Attachment 5	38,924,891
13	Total Accumulated Depreciation		(Line 9 + Line 10 + Line 11 + Line 12)	3,381,325,534
14	Net Plant		(Line 8 - Line 13)	13,689,361,794
15	Transmission Gross Plant		(Line 31)	8,330,672,215
16	<b>Gross Plant Allocator</b>		(Line 15 / Line 8)	<b>48.8010%</b>
17	Transmission Net Plant		(Line 43)	7,535,121,583
18	<b>Net Plant Allocator</b>		(Line 17 / Line 14)	<b>55.0436%</b>

**Plant Calculations**

<b>Plant In Service</b>				
19	Transmission Plant In Service	(Note B)	Attachment 5	8,259,324,176
20	General	(Note B)	Attachment 5	227,839,129
21	Intangible - Electric	(Note B)	Attachment 5	7,967,491
22	Common Plant - Electric	(Note B)	Attachment 5	145,824,542
23	Total General, Intangible & Common Plant		(Line 20 + Line 21 + Line 22)	381,631,162
24	Less: General Plant Account 397 -- Communications	(Note B)	Attachment 5	21,195,573
25	Less: Common Plant Account 397 -- Communications	(Note B)	Attachment 5	10,236,825
26	General and Intangible Excluding Acct. 397		(Line 23 - Line 24 - Line 25)	350,198,765
27	Wage & Salary Allocator		(Line 5)	15.5000%
28	General and Intangible Plant Allocated to Transmission		(Line 26 * Line 27)	54,280,809
29	Account No. 397 Directly Assigned to Transmission	(Note B)	Attachment 5	17,067,231
30	Total General and Intangible Functionalized to Transmission		(Line 28 + Line 29)	71,348,039
31	<b>Total Plant in Rate Base</b>		(Line 19 + Line 30)	<b>8,330,672,215</b>
<b>Accumulated Depreciation</b>				
32	Transmission Accumulated Depreciation	(Note B & J)	Attachment 5	756,323,290
33	Accumulated General Depreciation	(Note B & J)	Attachment 5	101,368,991
34	Accumulated Common Plant Depreciation - Electric	(Note B & J)	Attachment 5	56,686,342
35	Less: Amount of General Depreciation Associated with Acct. 397	(Note B & J)	Attachment 5	12,618,244
36	Balance of Accumulated General Depreciation		(Line 33 + Line 34 - Line 35)	145,437,089
37	Accumulated Intangible Amortization - Electric	(Note B)	(Line 10)	5,264,202
38	Accumulated General and Intangible Depreciation Ex. Acct. 397		(Line 36 + 37)	150,701,292
39	Wage & Salary Allocator		(Line 5)	15.5000%
40	Subtotal General and Intangible Accum. Depreciation Allocated to Transmission		(Line 38 * Line 39)	23,358,700
41	Accumulated General Depreciation Associated with Acct. 397 Directly Assigned to Transmission	(Note B & J)	Attachment 5	15,868,641
42	<b>Total Accumulated Depreciation</b>		(Lines 32 + 40 + 41)	<b>795,550,632</b>
43	<b>Total Net Property, Plant &amp; Equipment</b>		(Line 31 - Line 42)	<b>7,535,121,583</b>

Public Service Electric and Gas Company ATTACHMENT H-10A			FERC Form 1 Page # or Instruction	12 Months Ended 12/31/2016
Formula Rate -- Appendix A		Notes		
Shaded cells are input cells				
<b>Adjustment To Rate Base</b>				
44	Accumulated Deferred Income Taxes ADIT net of FASB 106 and 109	(Note Q)	Attachment 1	-1,781,469,260
45	CWIP for Incentive Transmission Projects CWIP Balances for Current Rate Year	(Note B & H)	Attachment 6	324,287,973
45a	Abandoned Transmission Projects Unamortized Abandoned Transmission Projects	(Note R)	Attachment 5	0
46	Plant Held for Future Use	(Note C & Q)	Attachment 5	26,120,911
47	Prepayments Prepayments	(Note A & Q)	Attachment 5	-288,864
48	Materials and Supplies Undistributed Stores Expense	(Note Q)	Attachment 5	0
49	Wage & Salary Allocator		(Line 5)	15.5000%
50	Total Undistributed Stores Expense Allocated to Transmission		(Line 48 * Line 49)	0
51	Transmission Materials & Supplies	(Note N & Q))	Attachment 5	9,654,089
52	Total Materials & Supplies Allocated to Transmission		(Line 50 + Line 51)	9,654,089
53	Cash Working Capital Operation & Maintenance Expense		(Line 80)	133,152,694
54	1/8th Rule		1/8	12.5%
55	Total Cash Working Capital Allocated to Transmission		(Line 53 * Line 54)	16,644,087
56	Network Credits Outstanding Network Credits	(Note N & Q))	Attachment 5	0
57	<b>Total Adjustment to Rate Base</b>		<b>(Lines 44 + 45 + 45a + 46 + 47 + 52 + 55 - 56)</b>	<b>(1,405,051,064)</b>
58	<b>Rate Base</b>		(Line 43 + Line 57)	<b>6,130,070,519</b>
<b>Operations &amp; Maintenance Expense</b>				
59	Transmission O&M Transmission O&M	(Note O)	Attachment 5	100,364,698
60	Plus Transmission Lease Payments	(Note O)	Attachment 5	0
61	<b>Transmission O&amp;M</b>		(Lines 59 + 60)	<b>100,364,698</b>
62	Allocated Administrative & General Expenses Total A&G	(Note O)	Attachment 5	215,993,171
63	Plus: Actual PBOP expense	(Note J)	Attachment 5	28,522,987
64	Less: Actual PBOP expense	(Note O)	Attachment 5	33,272,121
65	Less Property Insurance Account 924	(Note O)	Attachment 5	4,631,400
66	Less Regulatory Commission Exp Account 928	(Note E & O)	Attachment 5	10,672,984
67	Less General Advertising Exp Account 930.1	(Note O)	Attachment 5	2,844,680
68	Less EPRI Dues	(Note D & O)	Attachment 5	0
69	<b>Administrative &amp; General Expenses</b>		Sum (Lines 62 to 63) - Sum (Lines 64 to 68)	193,094,974
70	Wage & Salary Allocator		(Line 5)	15.5000%
71	<b>Administrative &amp; General Expenses Allocated to Transmission</b>		(Line 69 * Line 70)	<b>29,929,721</b>
72	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G & O)	Attachment 5	308,984
73	General Advertising Exp Account 930.1	(Note K & O)	Attachment 5	0
74	Subtotal - Accounts 928 and 930.1 - Transmission Related		(Line 72 + Line 73)	308,984
75	Property Insurance Account 924		(Line 65)	4,631,400
76	General Advertising Exp Account 930.1	(Note F & O)	Attachment 5	0
77	Total Accounts 928 and 930.1 - General		(Line 75 + Line 76)	4,631,400
78	Net Plant Allocator		(Line 18)	55.0436%
79	<b>A&amp;G Directly Assigned to Transmission</b>		(Line 77 * Line 78)	<b>2,549,291</b>
80	<b>Total Transmission O&amp;M</b>		<b>(Lines 61 + 71 + 74 + 79)</b>	<b>133,152,694</b>

Public Service Electric and Gas Company ATTACHMENT H-10A		Notes	FERC Form 1 Page # or Instruction	12 Months Ended 12/31/2016
<b>Formula Rate -- Appendix A</b>				
Shaded cells are input cells				
<b>Depreciation &amp; Amortization Expense</b>				
<b>Depreciation Expense</b>				
81	Transmission Depreciation Expense Including Amortization of Limited Term Plant	(Note J & O)	Attachment 5	196,487,978
81a	Amortization of Abandoned Plant Projects	(Note R)	Attachment 5	0
82	General Depreciation Expense Including Amortization of Limited Term Plant	(Note J & O)	Attachment 5	17,537,763
83	Less: Amount of General Depreciation Expense Associated with Acct. 397	(Note J & O)	Attachment 5	3,244,255
84	Balance of General Depreciation Expense		(Line 82 - Line 83)	14,293,508
85	Intangible Amortization	(Note A & O)	Attachment 5	9,439,036
86	Total		(Line 84 + Line 85)	23,732,543
87	Wage & Salary Allocator		(Line 5)	15.50%
88	General Depreciation & Intangible Amortization Allocated to Transmission		(Line 86 * Line 87)	3,678,544
89	General Depreciation Expense for Acct. 397 Directly Assigned to Transmission	(Note J & O)	Attachment 5	1,698,462
90	<b>General Depreciation and Intangible Amortization Functionalized to Transmission</b>		(Line 88 + Line 89)	<b>5,377,006</b>
91	<b>Total Transmission Depreciation &amp; Amortization</b>		<b>(Lines 81 + 81a + 90)</b>	<b>201,864,984</b>
<b>Taxes Other than Income Taxes</b>				
92	Taxes Other than Income Taxes	(Note O)	Attachment 2	10,150,418
93	<b>Total Taxes Other than Income Taxes</b>		<b>(Line 92)</b>	<b>10,150,418</b>
<b>Return \ Capitalization Calculations</b>				
94	<b>Long Term Interest</b>		p117.62.c through 67.c	252,018,266
95	<b>Preferred Dividends</b>	enter positive	p118.29.d	0
<b>Common Stock</b>				
96	Proprietary Capital	(Note P)	Attachment 5	6,377,924,573
97	Less Accumulated Other Comprehensive Income Account 219	(Note P)	Attachment 5	1,408,022
98	Less Preferred Stock		(Line 106)	0
99	Less Account 216.1	(Note P)	Attachment 5	3,430,285
100	<b>Common Stock</b>		(Line 96 - 97 - 98 - 99)	<b>6,373,086,266</b>
<b>Capitalization</b>				
101	Long Term Debt	(Note P)	Attachment 5	5,939,268,873
102	Less Loss on Reacquired Debt	(Note P)	Attachment 5	77,696,491
103	Plus Gain on Reacquired Debt	(Note P)	Attachment 5	0
104	Less ADIT associated with Gain or Loss	(Note P)	Attachment 5	23,902,953
105	Total Long Term Debt		(Line 101 - 102 + 103 - 104 )	5,837,669,430
106	Preferred Stock	(Note P)	Attachment 5	0
107	Common Stock		(Line 100)	6,373,086,266
108	<b>Total Capitalization</b>		(Sum Lines 105 to 107)	<b>12,210,755,696</b>
109	Debt %		Total Long Term Debt (Line 105 / Line 108)	47.81%
110	Preferred %		Preferred Stock (Line 106 / Line 108)	0.00%
111	Common %		Common Stock (Line 107 / Line 108)	52.19%
112	Debt Cost		Total Long Term Debt (Line 94 / Line 105)	0.0432
113	Preferred Cost		Preferred Stock (Line 95 / Line 106)	0.0000
114	Common Cost	(Note J)	Common Stock Fixed	0.1168
115	Weighted Cost of Debt		Total Long Term Debt (WCLTD) (Line 109 * Line 112)	0.0206
116	Weighted Cost of Preferred		Preferred Stock (Line 110 * Line 113)	0.0000
117	Weighted Cost of Common		Common Stock (Line 111 * Line 114)	0.0610
118	<b>Rate of Return on Rate Base ( ROR )</b>		(Sum Lines 115 to 117)	<b>0.0816</b>
119	<b>Investment Return = Rate Base * Rate of Return</b>		<b>(Line 58 * Line 118)</b>	<b>500,212,287</b>

Public Service Electric and Gas Company ATTACHMENT H-10A		Notes	FERC Form 1 Page # or Instruction	12 Months Ended 12/31/2016
<b>Formula Rate -- Appendix A</b>				
Shaded cells are input cells				
<b>Composite Income Taxes</b>				
<b>Income Tax Rates</b>				
120	FIT=Federal Income Tax Rate	(Note I)		35.00%
121	SIT=State Income Tax Rate or Composite			9.00%
122	p	(percent of federal income tax deductible for state purposes)	Per State Tax Code	0.00%
123	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$		40.85%
124	T / (1-T)			69.06%
<b>ITC Adjustment</b>				
125	Amortized Investment Tax Credit	enter negative	(Note O)	Attachment 5
126	1/(1-T)			1 / (1 - Line 123)
127	Net Plant Allocation Factor			(Line 18)
128	<b>ITC Adjustment Allocated to Transmission</b>			(Line 125 * Line 126 * Line 127)
				-868,658
				169.06%
				55.04%
				<b>-808,353</b>
129	<b>Income Tax Component =</b>	$(T/1-T) * \text{Investment Return} * (1-(WCLTD/ROR)) =$		[Line 124 * Line 119 * (1- (Line 115 / Line 118))]
				258,079,126
130	<b>Total Income Taxes</b>			(Line 128 + Line 129)
				257,270,773
<b>Revenue Requirement</b>				
<b>Summary</b>				
131	Net Property, Plant & Equipment		(Line 43)	7,535,121,583
132	Total Adjustment to Rate Base		(Line 57)	-1,405,051,064
133	<b>Rate Base</b>		(Line 58)	<b>6,130,070,519</b>
134	Total Transmission O&M		(Line 80)	133,152,694
135	Total Transmission Depreciation & Amortization		(Line 91)	201,864,984
136	Taxes Other than Income		(Line 93)	10,150,418
137	Investment Return		(Line 119)	500,212,287
138	Income Taxes		(Line 130)	257,270,773
139	<b>Gross Revenue Requirement</b>		(Sum Lines 134 to 138)	<b>1,102,651,156</b>
<b>Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities</b>				
140	Transmission Plant In Service		(Line 19)	8,259,324,176
141	Excluded Transmission Facilities	(Note B & M)	Attachment 5	0
142	Included Transmission Facilities		(Line 140 - Line 141)	8,259,324,176
143	Inclusion Ratio		(Line 142 / Line 140)	100.00%
144	Gross Revenue Requirement		(Line 139)	1,102,651,156
145	<b>Adjusted Gross Revenue Requirement</b>		(Line 143 * Line 144)	<b>1,102,651,156</b>
<b>Revenue Credits &amp; Interest on Network Credits</b>				
146	Revenue Credits	(Note O)	Attachment 3	26,187,113
147	Interest on Network Credits	(Note N & O)	Attachment 5	0
148	<b>Net Revenue Requirement</b>		(Line 145 - Line 146 + Line 147)	<b>1,076,464,043</b>
<b>Net Plant Carrying Charge</b>				
149	Gross Revenue Requirement		(Line 144)	1,102,651,156
150	Net Transmission Plant, CWIP and Abandoned Plant		(Line 19 - Line 32 + Line 45 + Line 45a)	7,827,288,859
151	Net Plant Carrying Charge		(Line 149 / Line 150)	14.0873%
152	Net Plant Carrying Charge without Depreciation		(Line 149 - Line 81) / Line 150	11.5770%
153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 149 - Line 81 - Line 119 - Line 130) / Line 150	1.8995%
<b>Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE</b>				
154	Gross Revenue Requirement Less Return and Taxes		(Line 144 - Line 137 - Line 138)	345,168,096
155	Increased Return and Taxes		Attachment 4	811,573,184
156	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 154 + Line 155)	1,156,741,280
157	Net Transmission Plant, CWIP and Abandoned Plant		(Line 19 - Line 32 + Line 45 + Line 45a)	7,827,288,859
158	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 156 / Line 157)	14.7783%
159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		(Line 156 - Line 81) / Line 157	12.2680%
160	<b>Net Revenue Requirement</b>		(Line 148)	1,076,464,043
161	True-up amount		Attachment 6	-20,019,061
162	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects not paid by other PJM transmission zones		Attachment 7	7,783,969
163	Facility Credits under Section 30.9 of the PJM OATT		Attachment 5	0
164	<b>Net Zonal Revenue Requirement</b>		(Line 160 + 161 + 162 + 163)	<b>1,064,228,952</b>
<b>Network Zonal Service Rate</b>				
165	1 CP Peak	(Note L)	Attachment 5	9,594.9
166	Rate (\$/MW-Year)		(Line 164 / 165)	110,916
167	<b>Network Service Rate (\$/MW/Year)</b>		(Line 166)	<b>110,916</b>



Shaded cells are input cells

Notes

A Electric portion only

B Calculated using 13-month average balances.

C Includes Transmission portion only. At each annual informational filing, Company will identify for each parcel of land an intended use within a 15 year period.

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 351.h.

H CWIP can only be included 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.

J ROE will be supported in the original filing and no change in ROE will be made absent a filing at FERC.

PBOP expense shall be based upon the Company's Actual Annual PBOP Expense until changed by a filing at FERC.

The actual Annual PBOP Expense to be included in the Formula Rate Annual Update that is required to be filed on or before October 15 of each year shall be based upon the Actual Annual PBOP Expense as charged to FERC Account 926 on behalf of electric employees for PBOP and as included by the Company in its most recent True-up Adjustment filing.

PSEG will provide, in connection with each annual True-Up Adjustment filing a confidential copy of relevant pages from annual actuarial valuation report supporting the derivation of the Actual Annual PBOP Expense as charged to FERC Account 926 on behalf of electric employees.

Depreciation rates shown in Attachment 8 are fixed until changed as the result of a filing at FERC.

If book depreciation rates are different than the Attachment 8 rates, PSE&G will provide workpapers at the annual update to reconcile formula depreciation expense and depreciation accruals to FERC Form 1 amounts.

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, 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 Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments towards the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A.

Interest on the Network Credits as booked each year is added to the revenue requirement to make the Transmission Owner whole on Line "&A248&".

O Expenses reflect full year plan

P The projected capital structure shall reflect the capital structure from the FERC Form 1 data. For all other formula rate calculations, the projected capital structure and actual capital structure shall reflect the capital structure from the most recent FERC Form 1 data available. Calculated using the average of the prior year and current year balances.

Q Calculated using beginning and year end projected balances.

END R Unamortized Abandoned Plant and Amortization of Abandoned Plant may only be included pursuant to a Commission Order authorizing such inclusion.

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2016

	Only Transmission Related	Plant Related	Labor Related	Total ADIT	
ADIT-282	0	(2,919,714,523)	0		From Acct. 282 total, below
ADIT-283	0	(403,873,845)	0		From Acct. 283 total, below
ADIT-190	0	(945,635)	5,505,113		From Acct. 190 total, below
<b>Subtotal</b>	0	(3,324,534,003)	5,505,113		
Wages & Salary Allocator		55.0436%	15.5000%		
End of Year ADIT	0	(1,829,944,178)	853,292	(1,829,090,886)	
End of Previous Year ADIT (from Sheet 1A-ADIT (3))	0	(1,734,700,927)	853,292	(1,733,847,634)	
Average Beginning and End of Year ADIT	0	(1,782,322,553)	853,292	(1,781,469,260)	Appendix A, Line 44

Note: ADIT associated with Gain or Loss on Recquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 108  
 (10,210,019) < From Acct. 283, below

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.

ADIT-190	A	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
ADIT - Real Estate Taxes		(945,635)			(945,635)		Book estimate accrued and expensed, tax deduction when paid - related to plant
FIN 47		223,825	223,825				Asset Retirement Obligation - Local liability for environmental removal costs
Vacation Pay		2,390,354				2,390,354	Vacation pay earned and expensed for books, tax deduction when paid - employees in all functions
OPEB		157,699,092				157,699,092	FASB 106 - Post Retirement Obligation, labor related.
Deferred Dividend Equivalents		3,714,155				3,714,155	Book accrual of dividends on employee stock options affecting all functions
Deferred Compensation		321,705				321,705	Book estimate accrued and expensed, tax deduction when paid - employees in all functions
ADIT - Unallowable PIP Accrual		(358,461)				(358,461)	Book estimate accrued and expensed, tax deduction when paid - employees in all functions
Bankruptcies \$ Acct		115,363	115,363				Book estimate accrued and expensed, tax deduction when paid - Generation Related
Unrealized L/G Rabbi Trust		(562,642)				(562,642)	Book estimate accrued and expensed, tax deduction when paid for Executive Compensation
Federal Taxes Deferred		11,166,995			11,166,995		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
Fed Taxes Req Requirement		7,712,117			7,712,117		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
<b>Subtotal - p234</b>		<b>181,476,871</b>	<b>339,189</b>		<b>17,933,477</b>	<b>163,204,205</b>	
Less FASB 109 Above if not separately removed		18,879,112				18,879,112	
Less FASB 106 Above if not separately removed		157,699,092				157,699,092	
<b>Total</b>		<b>4,898,666</b>	<b>339,189</b>		<b>(945,635)</b>	<b>5,505,113</b>	

Instructions for Account 190:

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

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2016

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
ADIT-282						
Depreciation - Liberalized Depreciation	(2,833,610.567)			(2,833,610.567)		Basis difference resulting from accelerated tax depreciation versus depreciation used for ratemaking purposes - related to all functions
Cost of Removal	(86,103.956)			(86,103.956)		Book estimate accrued and expensed, tax deduction when paid. Retail related - Component of Liberalized Depreciation
Accounting for Income Taxes	(307,991.280)			(307,991.280)		FASB 109 - deferred tax liability primarily associated with plant related items previously flowed through due to regulation
<b>Subtotal - p275</b>	<b>(3,227,705.804)</b>			<b>(3,227,705.804)</b>		
Less FASB 109 Above if not separately removed	(307,991.280)			(307,991.280)		
Less FASB 106 Above if not separately removed						
<b>Total</b>	<b>(2,919,714.523)</b>			<b>(2,919,714.523)</b>		

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

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2016

A ADIT-283	B Total	C Gas, Prod or Other Related	D Only Transmission Related	E Plant	F Labor	G
Securitization Regulatory Asset	1,022,247,426	1,022,247,426				Generation Related (Securitization of Stranded Costs)
Securitization - Federal	(968,676,613)	(968,676,613)				Generation Related (Securitization of Stranded Costs)
Securitization - State	(161,907,377)	(161,907,377)				Generation Related (Securitization of Stranded Costs)
Environmental Cleanup Costs	(24,412,903)	(24,412,903)				Book estimate accrued and expensed, tax deduction when paid - Manufactured Gas Plants
New Jersey Corporation Business Tax	(293,553,367)	100,110,459		(393,663,826)		New Jersey Corporate Income Tax - Plant Related- Contra Account of 190 NJCBT
NJCBT - Step Up Basis	115,317,595	115,317,595				New Jersey Corporate Income Tax for Utility - Gets return on but no return of prior book vs tax timing differences
Fuel Cost Adjustment	(1,913,316)	(1,913,316)				Book deferral of Underrecovered Fuel Costs - Retail Related
Accelerated Activity Plan	(113,677,936)	(113,677,936)				Demand Side management and Associated Programs - Retail Related
Loss on Recquired Debt	(10,210,019)			(10,210,019)		Tax deduction when reacquired, booked amortizes to expense
Additional Pension Deduction	(161,702,087)	(161,702,087)				Associated with Pension Liability not in rates
Public Utility Tax Assessment	(1,781,312)	(1,781,312)				BPU and Rate Payer Advocate Assessment
Sales Tax Reserve	1,122,289	1,122,289				Sales tax audit reserve
Miscellaneous	(1,270,089)	(1,270,089)				Miscellaneous Tax Adjustments
Deferred Gain	(53,280,535)	(53,280,535)				Deferred gain resulted from 2000 depreciation step up basis
Accounting for Income Taxes (FAS109) - Federal	(1,618,471)			(1,618,471)		FASB 109 - deferred tax liability primarily non-plant related items previously flowed through due to revaluation
Accounting for Income Taxes (FAS109) - Regulatory Requirement	(212,704,037)			(212,704,037)		FASB 109 - gross-up
<b>Subtotal - p277</b>	<b>(868,020,751)</b>	<b>(249,824,398)</b>		<b>(618,196,353)</b>		
<b>Less FASB 109 Above if not separately removed</b>	<b>(214,322,508)</b>			<b>(214,322,508)</b>		
<b>Less FASB 106 Above if not separately removed</b>						
<b>Total</b>	<b>(653,698,243)</b>	<b>(249,824,398)</b>		<b>(403,873,845)</b>		

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

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2015

	Only Transmission Related	Plant Related	Labor Related	Total ADIT	
ADIT-282	0	(2,776,299,686)	0		From Acct. 282 total, below
ADIT-283	0	(374,256,393)	0		From Acct. 283 total, below
ADIT-190	0	(945,635)	5,505,113		From Acct. 190 total, below
<b>Subtotal</b>	0	(3,151,501,714)	5,505,113		
Wages & Salary Allocator			15.5000%		
Net Plant Allocator		55.0436%			
End of Year ADIT	0	(1,734,700,927)	853,292	(1,733,847,634)	

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 188  
(13,596,067) < From Acct 283, below

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.

ADIT-190	A	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G Justification
ADIT - Real Estate Taxes		(945,635)			(945,635)		Book estimate accrued and expensed, tax deduction when paid, related to plant
FIN 47		223,825	223,825				Asset Retirement Obligation - Legal liability for environmental removal costs
Vacation Pay		2,390,354				2,390,354	Vacation pay earned and expensed for books, tax deduction when paid - employees in all functions
OPEB		157,699,092				157,699,092	FASB 106 - Post Retirement Obligation, labor related
Deferred Dividend Equivalents		3,714,155				3,714,155	Book accrual of dividends on employee stock options affecting all functions
Deferred Compensation		321,705				321,705	Book estimate accrued and expensed, tax deduction when paid - employees in all functions
ADIT - Unallowable PIP Accrual		(358,461)				(358,461)	Book estimate accrued and expensed, tax deduction when paid - employees in all functions
Bankruptcies S Acct		115,363	115,363				Book estimate accrued and expensed, tax deduction when paid - Generation Related
Unrealized L/G Rabbi Trust		(562,642)				(562,642)	Book estimate accrued and expensed, tax deduction when paid for Executive Compensation
Federal Taxes Deferred		11,166,995			11,166,995		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
Fed Taxes Req Requirement		7,712,117			7,712,117		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
<b>Subtotal - p234</b>		<b>181,476,871</b>	<b>339,189</b>		<b>17,933,477</b>	<b>163,204,205</b>	
Less FASB 109 Above if not separately removed		18,879,112			18,879,112		
Less FASB 106 Above if not separately removed		157,699,092				157,699,092	
<b>Total</b>		<b>4,898,666</b>	<b>339,189</b>		<b>(945,635)</b>	<b>5,505,113</b>	

Instructions for Account 190:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E

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

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2015

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B Total	C Gas, Prod Or Other Related	D Only Transmission Related	E Plant Related	F Labor Related	G  Justification
ADIT- 282						
Depreciation - Liberalized Depreciation	(2,699,600,707)			(2,699,600,707)		Basis difference resulting from accelerated tax depreciation versus depreciation used for ratemaking purposes - related to all functions
Cost of Removal	(76,698,979)			(76,698,979)		Book estimate accrued and expensed; tax deduction when paid. Retail related - Component of Liberalized Depreciation
Accounting for Income Taxes	(304,052,079)			(304,052,079)		FASB 109 - deferred tax liability primarily associated with plant related items previously flowed through due to regulation
<b>Subtotal - p275</b>	<b>(3,080,351,765)</b>			<b>(3,080,351,765)</b>		
Less FASB 109 Above if not separately removed	(304,052,079)			(304,052,079)		
Less FASB 106 Above if not separately removed						
<b>Total</b>	<b>(2,776,299,686)</b>			<b>(2,776,299,686)</b>		

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

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet - December 31, 2015

ADIT-283	A	B Total	C Related	D Related	E Plant	F Labor	G
Securitization Regulatory Asset		1,022,247,426	1,022,247,426				Generation Related (Securitization of Stranded Costs)
Securitization - Federal		(968,676,613)	(968,676,613)				Generation Related (Securitization of Stranded Costs)
Securitization - State		(161,907,377)	(161,907,377)				Generation Related (Securitization of Stranded Costs)
Environmental Cleanup Costs		(24,412,903)	(24,412,903)				Book estimate accrued and expensed, tax deduction when paid - Manufactured Gas Plants
New Jersey Corporation Business Tax		(293,553,367)	67,106,960		(360,660,327)		New Jersey Corporate Income Tax - Plant Related- Contra Account of 190 NJCRT
NJCRT - Step Up Basis		115,317,595	115,317,595				New Jersey Corporate Income Tax for Utility - Gets return on but no return of prior book vs tax timing differences
Fuel Cost Adjustment		(1,913,316)	(1,913,316)				Book deferral of Underrecovered Fuel Costs - Retail Related
Accelerated Activity Plan		(113,677,936)	(113,677,936)				Demand Side management and Associated Programs - Retail Related
Loss on Reacquired Debt		(13,596,067)			(13,596,067)		Tax deduction when reacquired, booked amortizes to expense
Additional Pension Deduction		(161,702,087)	(161,702,087)				Associated with Pension Liability not in rates
Public Utility Tax Assessment		(1,781,312)	(1,781,312)				BPU and Rate Payer Advocate Assessment
Sales Tax Reserve		1,122,289	1,122,289				Sales tax audit reserve
Miscellaneous		(1,270,089)	(1,270,089)				Miscellaneous Tax Adjustments
Deferred Gain		(53,280,535)	(53,280,535)				Deferred gain resulted from 2000 deregulation step up basis
Accounting for Income Taxes (FAS109) - Federal		(1,618,471)			(1,618,471)		FASB 109 - deferred tax liability primarily non-plant related items previously flowed through due to regulation
Accounting for Income Taxes (FAS109) - Regulatory Requirement		(209,983,558)			(209,983,558)		FASB 109 - gross-up
<b>Subtotal - p277</b>		<b>(868,686,319)</b>	<b>(282,827,897)</b>		<b>(585,858,422)</b>		
<b>Less FASB 109 Above if not separately removed</b>		<b>(211,602,029)</b>			<b>(211,602,029)</b>		
<b>Less FASB 106 Above if not separately removed</b>							
<b>Total</b>		<b>(657,084,291)</b>	<b>(282,827,897)</b>		<b>(374,256,393)</b>		

Instructions for Account 283:

- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
- ADIT items related only to Transmission are directly assigned to Column D
- ADIT items related to Plant and not in Columns C & D are included in Column E

**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 2 - Taxes Other Than Income Worksheet - December 31, 2016**

<b>Other Taxes</b>	<b>Page 263 Col (i)</b>	<b>Allocator</b>	<b>Allocated Amount</b>
<b>Plant Related</b>			
1 Real Estate	20,497,000		Attachment #5
2 <b>Total Plant Related</b>	20,497,000	N/A	7,837,000
<b>Labor Related</b>			
<b>Wages &amp; Salary Allocator</b>			
3 FICA	13,860,326		
4 Federal Unemployment Tax	158,745		
5 New Jersey Unemployment Tax	584,731		
6 New Jersey Workforce Development	321,478		
7			
8 <b>Total Labor Related</b>	14,925,280	15.5000%	2,313,418
<b>Other Included</b>			
<b>Net Plant Allocator</b>			
9			
10			
11			
12			
13 <b>Total Other Included</b>	0	55.0436%	0
14 <b>Total Included (Lines 8 + 14 + 19)</b>	<u>35,422,280</u>		<u>10,150,418</u>
<b>Currently Excluded</b>			
15 Corporate Business Tax	0		
16 TEFA	0		
17 Use & Sales Tax	0		
18 Local Franchise Tax	0		
19 PA Corporate Income Tax	0		
20 Municipal Utility	0		
21 Public Utility Fund	0		
22 <b>Subtotal, Excluded</b>	<u>0</u>		
23 <b>Total, Included and Excluded (Line 20 + Line 28)</b>	<u>35,422,280</u>		
24 <b>Total Other Taxes from p114.14.g - Actual</b>	<u>35,422,280</u>		
25 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. Real Estate taxes are directly assigned to Transmission.
- 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 Net 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.



**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 3 - Revenue Credit Workpaper - December 31, 2016**

<b>Accounts 450 &amp; 451</b>		
1	Late Payment Penalties Allocated to Transmission	0
<b>Account 454 - Rent from Electric Property</b>		
2	Rent from Electric Property - Transmission Related (Note 2)	600,000
<b>Account 456 - Other Electric Revenues</b>		
3	Transmission for Others	0
4	Schedule 1A	4,900,000
5	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)	0
6	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner	9,600,000
7	Professional Services (Note 2)	60,000
8	Revenues from Directly Assigned Transmission Facility Charges (Note 1)	10,079,639
9	Rent or Attachment Fees associated with Transmission Facilities (Note 2)	4,775,246
10	Gross Revenue Credits	(Sum Lines 1-9) <u>30,014,885</u>
11	Less line 18	- line 18 <u>(3,827,772)</u>
12	Total Revenue Credits	line 10 + line 11 <u>26,187,113</u>
13	Revenues associated with lines 2, 7, and 9 (Note 2)	5,435,246
14	Income Taxes associated with revenues in line 13	2,220,298
15	One half margin (line 13 - line 14)/2	1,607,474
16	All expenses (other than income taxes) associated with revenues in line 13 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.	-
17	Line 15 plus line 16	1,607,474
18	Line 13 less line 17	3,827,772

Note 1 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.

Note 2 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). PSE&G will retain 50% of net revenues consistent with *Pacific Gas and Electric Company*, 90 FERC ¶ 61,314. Note: in order to use lines 13-18, 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).

**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 4 - Calculation of 100 Basis Point Increase in ROE**

A	Return and Taxes with 100 Basis Point increase in ROE 100 Basis Point increase in ROE and Income Taxes	Line 27 + Line 42 from below	811,573,184
B	100 Basis Point increase in ROE		1.00%

**Return Calculation**

		Appendix A Line or Source Reference	
1	<b>Rate Base</b>	(Line 43 + Line 57)	6,130,070,519
2	<b>Long Term Interest</b>	p117.62.c through 67.c	252,018,266
3	<b>Preferred Dividends</b>	enter positive p118.29.d	0
	<b>Common Stock</b>		
4	Proprietary Capital	Attachment 5	6,377,924,573
5	Less Accumulated Other Comprehensive Income Account 219	p112.15.c	1,408,022
6	Less Preferred Stock	(Line 106)	0
7	Less Account 216.1	Attachment 5	3,430,285
8	Common Stock	(Line 96 - 97 - 98 - 99)	6,373,086,266
	<b>Capitalization</b>		
9	Long Term Debt	Attachment 5	5,939,268,873
10	Less Loss on Reacquired Debt	Attachment 5	77,696,491
11	Plus Gain on Reacquired Debt	Attachment 5	0
12	Less ADIT associated with Gain or Loss	Attachment 5	23,902,953
13	Total Long Term Debt	(Line 101 - 102 + 103 - 104 )	5,837,669,430
14	Preferred Stock	Attachment 5	0
15	Common Stock	(Line 100)	6,373,086,266
16	Total Capitalization	(Sum Lines 105 to 107)	12,210,755,696
17	Debt %	Total Long Term Debt (Line 105 / Line 108)	47.8%
18	Preferred %	Preferred Stock (Line 106 / Line 108)	0.0%
19	Common %	Common Stock (Line 107 / Line 108)	52.2%
20	Debt Cost	Total Long Term Debt (Line 94 / Line 105)	0.0432
21	Preferred Cost	Preferred Stock (Line 95 / Line 106)	0.0000
22	Common Cost	Common Stock (Line 114 + 100 basis points)	0.1268
23	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 109 * Line 112)	0.0206
24	Weighted Cost of Preferred	Preferred Stock (Line 110 * Line 113)	0.0000
25	Weighted Cost of Common	Common Stock (Line 111 * Line 114)	0.0662
26	<b>Rate of Return on Rate Base ( ROR )</b>	<b>(Sum Lines 115 to 117)</b>	<b>0.0868</b>
27	<b>Investment Return = Rate Base * Rate of Return</b>	<b>(Line 58 * Line 118)</b>	<b>532,206,595</b>

**Composite Income Taxes**

<b>Income Tax Rates</b>			
28	FIT=Federal Income Tax Rate		35.00%
29	SIT=State Income Tax Rate or Composite		9.00%
30	p = percent of federal income tax deductible for state purposes	Per State Tax Code	0.00%
31	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	40.85%
35	CIT = T / (1-T)		69.06%
36	1 / (1-T)		169.06%
<b>ITC Adjustment</b>			
37	Amortized Investment Tax Credit	enter negative Attachment 5	-868,658
38	1/(1-T)	1 / (1 - Line 123)	169%
39	Net Plant Allocation Factor	(Line 18)	55.0436%
40	<b>ITC Adjustment Allocated to Transmission</b>	<b>(Line 125 * Line 126 * Line 127)</b>	<b>-808,353</b>
41	<b>Income Tax Component =</b>	<b>CIT=(T/(1-T) * Investment Return * (1-(WCLTD/R)) =</b>	<b>280,174,942</b>
42	<b>Total Income Taxes</b>		<b>279,366,589</b>

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 5 - Cost Support - December 31, 2016

Electric / Non-electric Cost Support				Previous Year	Current Year - 2016 Projected											Average	Non-electric Portion		
Line #s	Descriptions	Notes	Page #'s & Instructions	Form 1Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Form 1 Dec			
<b>Plant Allocation Factors</b>																			
6	Electric Plant in Service (Excludes Asset Retirement Costs - ARC)	(Note B)	p207.104g	15,980,817.613	16,039,076.846	16,099,722.410	16,321,132.280	16,438,775.290	16,773,982.994	17,320,101.205	17,355,545.109	17,376,695.961	17,405,932.844	17,455,131.674	17,532,211.826	17,924,090.172	16,924,862.786		
7	Common Plant in Service - Electric	(Note B)	p356	138,172,854	139,132,743	141,197,500	139,721,061	141,451,903	143,151,799	145,224,173	146,822,236	147,798,546	149,430,067	150,804,145	152,055,717	160,756,306	145,824,542		
9	Accumulated Depreciation (Total Electric Plant)	(Note B & J)	p219.29c	3,172,741.477	3,194,044.284	3,216,812.690	3,240,929.136	3,266,073.789	3,290,475.396	3,317,305.721	3,347,391.695	3,365,999.493	3,394,629.272	3,422,056.969	3,449,326.545	3,474,088.407	3,319,374.990		
10	Accumulated Intangible Amortization	(Note B)	p200.21c	4,488,191	4,616,787	4,745,443	4,874,099	5,002,755	5,131,411	5,260,067	5,388,722	5,517,378	5,646,034	5,774,690	5,903,346	6,032,002	5,264,202		
11	Accumulated Common Plant Depreciation - Electric	(Note B & J)	p356	18,977,676	19,305,773	19,498,488	15,855,479	16,191,921	16,589,993	17,002,498	17,427,499	17,166,091	17,599,037	18,027,023	18,426,485	18,830,895	17,761,451		
12	Accumulated Common Amortization - Electric	(Note B)	p356	35,082,320	35,708,285	36,337,062	36,971,478	37,608,706	38,248,746	38,893,813	39,541,693	40,192,384	40,846,881	41,504,189	42,164,310	42,923,722	38,924,891		
<b>Plant In Service</b>																			
19	Transmission Plant in Service (Excludes Asset Retirement Costs - ARC)	(Note B)	p207.58.g	7,562,948.414	7,589,922.081	7,621,476.748	7,812,068.414	7,864,207.081	8,148,051.235	8,621,101.901	8,627,249.568	8,631,197.235	8,638,827.901	8,641,864.568	8,655,415.235	8,956,883.901	8,259,324.176		
20	General ( Excludes Asset Retirement Costs - ARC)	(Note B)	p207.99.g	225,961,970	226,599,498	227,786,249	228,958,771	230,244,669	231,244,669	232,396,468	233,677,456	233,677,456	233,677,456	233,677,456	233,677,456	233,677,456	227,839,129		
21	Intangible - Electric	(Note B)	p205.5.g	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,719,354	7,967,491		
22	Common Plant in Service - Electric	(Note B)	p356	136,172,854	139,132,743	141,197,500	139,721,061	141,451,903	143,151,799	145,224,173	146,822,236	147,798,546	149,430,067	150,804,145	152,055,717	160,756,306	145,824,542		
24	General Plant Account 397 -- Communications	(Note B)	p207.94g	17,471,478	18,313,791	19,156,104	19,998,417	20,840,731	21,683,044	22,525,357	23,367,670	22,752,545	21,594,858	22,437,171	23,279,484	24,121,797	21,195,573		
25	Common Plant Account 397 -- Communications	(Note B)	p356	1,839,050	2,586,270	4,586,353	6,341,126	7,844,680	9,269,057	10,665,933	11,987,861	13,369,062	14,544,298	15,656,901	16,684,727	17,703,402	10,236,825		
29	Account No. 397 Directly Assigned to Transmission	(Note B)	Company Records	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	18,058,583	17,067,231		
<b>Accumulated Depreciation</b>																			
32	Transmission Accumulated Depreciation	(Note B & J)	p219.25.c	684,373,298	694,817,880	704,695,461	714,998,314	726,989,567	739,485,522	753,177,724	767,974,952	782,670,569	796,433,025	809,488,113	822,462,743	834,635,606	756,323,290		
33	Accumulated General Depreciation	(Note B & J)	p219.28.b	105,622,999	105,245,844	105,390,747	105,538,086	105,807,059	105,797,455	105,951,313	106,246,595	106,133,229	106,246,595	106,246,595	106,246,595	106,246,595	101,368,991		
34	Accumulated Common Plant Depreciation & Amortization - Electric	(Note B & J)	p356	54,059,996	55,014,058	55,635,551	52,826,957	53,800,627	54,838,739	55,896,311	56,969,191	57,358,475	58,445,918	59,531,212	60,590,795	61,754,617	56,686,342		
35	Accumulated General Depreciation Associated with Acct. 397	(Note B & J)	Company Records	12,046,566	12,296,060	12,567,241	12,860,064	13,172,436	13,503,897	13,853,617	14,221,574	14,611,809	15,026,296	15,464,073	15,923,435	16,404,305	12,818,244		
41	Acc. Deprec. Acct. 397 Directly Assigned to Transmission	(Note B & J)	Company Records	15,981,848	16,132,336	16,282,824	16,433,313	16,583,801	16,734,289	16,884,777	17,035,265	14,586,758	14,715,767	14,844,776	14,973,785	15,102,794	15,868,641		

Wages & Salary				End of Year
Line #s	Descriptions	Notes	Page #'s & Instructions	
2	Total Wage Expense	(Note A)	p354.28b	198,680,651
3	Total A&G Wages Expense	(Note A)	p354.27b	6,226,170
1	Transmission Wages		p354.21b	29,830,445

Transmission / Non-transmission Cost Support				Beginning Year Balance	End of Year	Average
Line #s	Descriptions	Notes	Page #'s & Instructions			
Plant Held for Future Use (Including Land)				26,451,572	30,151,572	28,301,572
46	Transmission Only	(Note C & Q)	p214.47.d	24,270,911	27,970,911	26,120,911

Prepayments				Previous Year	Electric Beginning Year Balance	Electric End of Year Balance	Average Balance	Wage & Salary Allocator	To Line 47
Line #s	Descriptions	Notes	Page #'s & Instructions						
47	Prepayments	(Note A & Q)	p111.57c	(1,863,641)	(1,863,641)	(1,863,641)	-1,863,641	15.500%	(288,864)

Materials and Supplies				Beginning Year Balance	End of Year	Average
Line #s	Descriptions	Notes	Page #'s & Instructions			
Materials and Supplies						
48	Undistributed Stores Exp	(Note O)	p227.16.b.c	0	0	0
51	Transmission Materials & Supplies	(Note N & Q)	p227.8.b.c	9,654,089	9,654,089	9,654,089

Outstanding Network Credits Cost Support				Beginning Year Balance	End of Year	Average
Line #s	Descriptions	Notes	Page #'s & Instructions			
Network Credits						
56	Outstanding Network Credits	(Note N & Q)	From PJM	0	0	0

O&M Expenses				End of Year
Line #s	Descriptions	Notes	Page #'s & Instructions	
59	Transmission O&M	(Note O)	p.321.112.b	100,364,698
60	Transmission Lease Payments		p321.96.b	-

Property Insurance Expenses				End of Year
Line #s	Descriptions	Notes	Page #'s & Instructions	
65	Property Insurance Account 924	(Note O)	p323.185b	4,631,400

Adjustments to A & G Expense

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
62	Total A&G Expenses		p323.197b	215,993,171
63	Actual PBOP expense	(Note J)	Company Records	28,522,987
64	Actual PBOP expense	(Note O)	Company Records	33,272,121

Regulatory Expense Related to Transmission Cost Support

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	Transmission Related
<b>Allocated General &amp; Common Expenses</b>					
66	Regulatory Commission Exp Account 928	(Note E & O)	p323.189b	10,672,984	0
<b>Directly Assigned A&amp;G</b>					
72	Regulatory Commission Exp Account 928	(Note G & O)	p351.11-13h	308,984	308,984

General & Common Expenses

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	EPRI Dues
68	Less EPRI Dues	(Note D & O)	p352-353	0	0

Safety Related Advertising Cost Support

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	Safety Related	Non-safety Related
<b>Directly Assigned A&amp;G</b>						
73	General Advertising Exp Account 930.1	(Note K & O)	p323.191b	2,844,680	0	2,844,680

Education and Out Reach Cost Support

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	Education & Outreach	Other
<b>Directly Assigned A&amp;G</b>						
76	General Advertising Exp Account 930.1	(Note K & O)	p323.191b	2,844,680	0	2,844,680

Depreciation Expense

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
<b>Depreciation Expense</b>				
81	Depreciation-Transmission	(Note J & O)	p336.7.f	196,467,978
82	Depreciation-General & Common	(Note J & O)	p336.10&11.f	17,537,763
83	Depreciation-General Expense Associated with Acct. 397	(Note J & O)	Company Records	3,244,255
85	Depreciation-Intangible	(Note A & O)	p336.1.f	9,439,036
89	Transmission Depreciation Expense for Acct. 397	(Note J & O)	Company Records	1,698,462

Direct Assignment of Transmission Real Estate Taxes

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	Transmission Related	Non-Transmission
92	Real Estate Taxes - Directly Assigned to Transmission		p263.33i	20,497,000	7,837,000	12,660,000

PSE&G's real estate taxes detail is in an access database which contains a list of the towns PSE&G pays taxes to, which are billed on a quarterly basis for various parcels of property by major classification. Every parcel is associated with a Lot & Block number. These Lot & Blocks are identified to a particular type of property and are labeled. This is the breakout of transmission real estate taxes from total electric.

Return \ Capitalization

Line #s	Descriptions	Notes	Page #'s & Instructions	2013 End of Year	2014 End of Year	Average
96	Proprietary Capital	(Note P)	p112.16.c.d	5,920,315,656	6,835,533,489	6,377,924,573
97	Accumulated Other Comprehensive Income Account 219	(Note P)	p112.15.c.d	1,083,198	1,732,845	1,408,022
99	Account 219-1	(Note P)	p119.53.c&d	3,537,410	3,323,160	3,430,285
101	Long Term Debt	(Note P)	p112.18.c.d thru 23.c.d	5,566,162,652	6,312,375,094	5,939,268,873
102	Loss on Reacquired Debt	(Note P)	p111.81.c.d	81,363,909	74,029,072	77,696,491
103	Gain on Reacquired Debt	(Note P)	p113.81.c.d	0	0	0
104	ADT associated with Gain or Loss on Reacquired Debt	(Note P)	p277.3.k (footnote)	30,823,791	16,982,115	23,902,953
106	Preferred Stock	(Note P)	p112.3.c.d	0	0	0

MultiState Workpaper

Line #s	Descriptions	Notes	Page #'s & Instructions	State 1	State 2	State 3
121	Income Tax Rates SIT=State Income Tax Rate or Composite	(Note I)			NJ 9.00%	

Amortized Investment Tax Credit

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
125	Amortized Investment Tax Credit	(Note O)	p266.8.f	868,658

Excluded Transmission Facilities

Line #s	Descriptions	Notes	Page #'s & Instructions	Form 1Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Form 1 Dec	Average
141	Excluded Transmission Facilities	(Note B & M)		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Interest on Outstanding Network Credits Cost Support

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
147	Interest on Network Credits	(Note N & O)		0

Facility Credits under Section 30.9 of the PJM OATT

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
163	Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT			0

PJM Load Cost Support

Line #s	Descriptions	Notes	Page #'s & Instructions	1 CP Peak
165	Network Zonal Service Rate 1 CP Peak	(Note L)	PJM Data	9,594.9

Abandoned Transmission Projects

Line #s	Descriptions	Notes	Page #'s & Instructions	BRH Project	Project X	Project Y
Attachment 7 a	Beginning Balance of Unamortized Transmission Projects		Per FERC Order	\$ -	\$ -	\$ -
Attachment 7 b	Years remaining in Amortization Period		Per FERC Order	\$ -	\$ -	\$ -
81 c	Transmission Depreciation Expense Including Amortization of Limited Term Plant		(line a / line b)	\$ -	\$ -	\$ -
d	Ending Balance of Unamortized Transmission Projects		(line a - line c)	\$ -	\$ -	\$ -
e	Average Balance of Unamortized Abandoned Transmission Projects		(line a + d)/2	\$ -	\$ -	\$ -
g	Non Incentive Return and Income Taxes		(Appendix A line 137+ line 138)	\$ -	\$ -	\$ -
h	Rate Base		(Appendix A line 58)	\$ -	\$ -	\$ -
Attachment 7 i	Non Incentive Return and Income Taxes		(line g / line h)	\$ -	\$ -	\$ -
Docket No. ER12-2274-000 authorizing \$3,500,000 amortization over one-year recovery of BRH Abandoned Transmission Project				ER12-2274		

**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 6 - True-up Adjustment for Network Integration Transmission Service - December 31, 2016**

The True-Up Adjustment component of the Formula Rate for each Rate Year beginning with 2010 shall be determined as follows:

- (i) Beginning with 2009, no later than June 15 of each year PSE&G shall recalculate an adjusted Annual Transmission Revenue Requirement for the previous calendar year based on its actual costs as reflected in its Form No. 1 and its books and records for that calendar year, consistent with FERC accounting policies. <sup>2</sup>
- (ii) PSE&G shall determine the difference between the recalculated Annual Transmission Revenue Requirement as determined in paragraph (i) above, and ATRR based on projected costs for the previous calendar year (True-Up Adjustment Before Interest).
- (iii) The True-Up Adjustment shall be determined as follows:  
 True-Up Adjustment equals the True-Up Adjustment Before Interest multiplied by  $(1+i)^{24}$  months  
 Where:  $i =$  Sum of (the monthly rates for the 10 months ending October 31 of the current year and the monthly rates for the 12 months ending December 31 of the preceding year) divided by 21 months.

Summary of Formula Rate Process including True-Up Adjustment

Month	Year	Action
July	2008	TO populates the formula with Year 2008 estimated data
October	2008	TO populates the formula with Year 2009 estimated data
June	2009	TO populates the formula with Year 2008 actual data and calculates the 2008 True-Up Adjustment Before Interest
October	2009	TO calculates the Interest to include in the 2008 True-Up Adjustment
October	2009	TO populates the formula with Year 2010 estimated data and 2008 True-Up Adjustment
June	2010	TO populates the formula with Year 2009 actual data and calculates the 2009 True-Up Adjustment Before Interest
October	2010	TO calculates the Interest to include in the 2009 True-Up Adjustment
October	2010	TO populates the formula with Year 2011 estimated data and 2009 True-Up Adjustment
June	2011	TO populates the formula with Year 2010 actual data and calculates the 2010 True-Up Adjustment Before Interest
October	2011	TO calculates the Interest to include in the 2010 True-Up Adjustment
October	2011	TO populates the formula with Year 2012 estimated data and 2010 True-Up Adjustment
June	2012	TO populates the formula with Year 2011 actual data and calculates the 2011 True-Up Adjustment Before Interest
October	2012	TO calculates the Interest to include in the 2011 True-Up Adjustment
October	2012	TO populates the formula with Year 2013 estimated data and 2011 True-Up Adjustment
June	2013	TO populates the formula with Year 2012 actual data and calculates the 2012 True-Up Adjustment Before Interest
October	2013	TO calculates the Interest to include in the 2012 True-Up Adjustment
October	2013	TO populates the formula with Year 2014 estimated data and 2012 True-Up Adjustment
June	2014	TO populates the formula with Year 2013 actual data and calculates the 2013 True-Up Adjustment Before Interest
October	2014	TO calculates the Interest to include in the 2013 True-Up Adjustment
October	2014	TO populates the formula with Year 2015 estimated data and 2013 True-Up Adjustment
June	2015	TO populates the formula with Year 2014 actual data and calculates the 2014 True-Up Adjustment Before Interest
October	2015	TO calculates the Interest to include in the 2014 True-Up Adjustment
October	2015	TO populates the formula with Year 2016 estimated data and 2014 True-Up Adjustment

<sup>1</sup> - No True-Up Adjustment will be included in the Annual Transmission Revenue Requirement for 2008 or 2009 since the Formula Rate was not in effect for 2006 or 2007.

<sup>2</sup> - To the extent possible each input to the Formula Rate used to calculate the actual Annual Transmission Revenue Requirement included in the True-Up Adjustment either will be taken directly from the FERC Form No. 1 or will be reconcilable to the FERC Form 1 by the application of clearly identified and supported information. If the reconciliation is provided through a worksheet included in the filed Formula Rate template, the inputs to the worksheet must meet this transparency standard, and doing so will satisfy this transparency requirement for the amounts that are output from the worksheet and input to the main body of the Formula Rate.

Calendar Year Complete for Each Calendar Year beginning in 2009

A	ATRR based on actual costs included for the previous calendar year but excludes the true-up adjustment.	717,516,447
B	ATRR based on projected costs included for the previous calendar year but excludes the true-up adjustment.	736,263,946
C	Difference (A-B)	-18,747,499
D	Future Value Factor $(1+i)^{24}$	1.06783
E	True-up Adjustment (C'D)	-20,019,061

-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.

Where:  
 $i =$  average interest rate as calculated below

Interest on Amount of Refunds or Surcharges

Month	Yr	Month
January	Year 1	0.2800%
February	Year 1	0.2500%
March	Year 1	0.2800%
April	Year 1	0.2700%
May	Year 1	0.2800%
June	Year 1	0.2700%
July	Year 1	0.2800%
August	Year 1	0.2800%
September	Year 1	0.2700%
October	Year 1	0.2800%
November	Year 1	0.2700%
December	Year 1	0.2800%
January	Year 2	0.2500%
February	Year 2	0.2800%
March	Year 2	0.2800%
April	Year 2	0.2700%
May	Year 2	0.2800%
June	Year 2	0.2700%
July	Year 2	0.2800%
August	Year 2	0.2800%
September	Year 2	0.2700%
Average Interest Rate		0.2738%

Estimated Additions - 2016															
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
Other Projects PIS (monthly additions)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (monthly additions) (in service)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (monthly additions) (in service)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (monthly additions) (in service)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (monthly additions) (in service)	Relocate the Hudson 2 generation to project into the 345 kV at Marion and any associated substation upgrades (B2436.91) (monthly additions) (in service)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (monthly additions) (in service)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (monthly additions) (in service)	Ridge Road 69kV Breaker Station (B1255) (monthly additions) (in service)	Cox's Comer-Lumberton 230kV Circuit (B1787) (monthly additions) (in service)	Sewaren Switch 230kV Conversion (B2276) (monthly additions) (in service)		Susquehanna Breakers (B0489.5-B0489.15) (monthly additions) (in service)	Susquehanna Roseland <520KV (B0489.4) (monthly additions) (in service)	Susquehanna Roseland => 500KV (B0489) (monthly additions) (in service)	Burlington - Camden 230kV Conversion (B1156) (monthly additions) (in-service)
Dec-15	18,477,450	1,292,000	-	-	-	-	-	-	15,515,959	12,035,060	-	6,857,687	40,538,248	723,503,148	354,730,847
Jan	18,477,450	1,292,000	-	-	-	-	-	-	292,589	6,161,628	-	-	-	-	-
Feb	30,129,343	-	-	-	-	-	-	-	12,153	652,570	-	-	-	-	-
Mar	89,201,680	-	-	-	-	-	-	-	17,462,834	695,192	-	-	-	-	-
Apr	51,470,985	-	-	-	-	-	-	-	456,590	211,091	-	-	-	-	-
May	55,847,505	-	-	-	-	-	-	-	27,803,197	10,247	3,114,183	-	-	-	-
Jun	90,621,487	152,684,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	5,906,041	13,150	84,128,104	-	-	-	-
Jul	3,045,137	-	-	-	-	-	-	-	18,290	-	1,754,239	-	-	-	-
Aug	1,741,545	-	-	-	-	-	-	-	18,290	-	1,837,832	-	-	-	-
Sep	7,027,342	-	-	-	-	-	-	-	18,290	-	235,036	-	-	-	-
Oct	2,711,505	-	-	-	-	-	-	-	-	-	195,462	-	-	-	-
Nov	13,085,766	-	-	-	-	-	-	-	-	-	464,899	-	-	-	-
Dec	300,958,144	-	-	-	-	-	-	-	-	-	510,522	-	-	-	-
Total	664,678,193	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,764,108	33,763,562	112,005,777	6,857,687	40,538,248	723,503,148	354,730,847

Estimated Transmission Enhancement Charges (Before True-Up) - 2016															
Total Projects	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom Loop (B0498)	Metuchen Transformer (B0161)	Branchburg-Flagtown-Somerville (B0169)	Flagtown-Somerville-Bridgewater (B0170)	Roseland Transformers (B0274)	Wave Trap Branchburg (B0172.2)	Reconductor Hudson - South Waterfront (B0813)	Reconductor South Mahwah J-3410 Circuit (B1017)	Reconductor South Mahwah K-3411 Circuit (B1018)	Branchburg 400 MVAR Capacitor (B0290)	Saddle Brook - Atheria Upgrade Cable (B0472)
530,687,571	2,316,538	939,068	10,074,454	2,551,745	3,238,044	3,140,998	1,908,350	834,421	2,561,882	3,277	1,150,001	2,616,920	2,717,165	10,418,379	1,867,140

Actual Transmission Enhancement Charges - 2014															
Total Projects	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom Loop (B0498)	Metuchen Transformer (B0161)	Branchburg-Flagtown-Somerville (B0169)	Flagtown-Somerville-Bridgewater (B0170)	Roseland Transformers (B0274)	Wave Trap Branchburg (B0172.2)	Reconductor Hudson - South Waterfront (B0813)	Reconductor South Mahwah J-3410 Circuit (B1017)	Reconductor South Mahwah K-3411 Circuit (B1018)	Branchburg 400 MVAR Capacitor (B0290)	Saddle Brook - Atheria Upgrade Cable (B0472)
349,823,024	2,555,172	1,034,441	11,097,629	2,812,043	3,563,358	3,454,841	2,099,276	918,263	2,817,996	3,609	1,263,663	2,874,636	2,983,683	11,437,086	2,049,664

Reconciliation by Project (without interest)															
	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom Loop (B0498)	Metuchen Transformer (B0161)	Branchburg-Flagtown-Somerville (B0169)	Flagtown-Somerville-Bridgewater (B0170)	Roseland Transformers (B0274)	Wave Trap Branchburg (B0172.2)	Reconductor Hudson - South Waterfront (B0813)	Reconductor South Mahwah J-3410 Circuit (B1017)	Reconductor South Mahwah K-3411 Circuit (B1018)	Branchburg 400 MVAR Capacitor (B0290)	Saddle Brook - Atheria Upgrade Cable (B0472)
Total Projects	706,819	281,907	3,109,603	781,172	(239,002)	1,037,886	(872,430)	262,584	473,282	(928)	50,074	784,120	150,037	6,299,082	1,005,135
Interest	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783
True Up by Project (with interest) - 2014															
	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom Loop (B0498)	Metuchen Transformer (B0161)	Branchburg-Flagtown-Somerville (B0169)	Flagtown-Somerville-Bridgewater (B0170)	Roseland Transformers (B0274)	Wave Trap Branchburg (B0172.2)	Reconductor Hudson - South Waterfront (B0813)	Reconductor South Mahwah J-3410 Circuit (B1017)	Reconductor South Mahwah K-3411 Circuit (B1018)	Branchburg 400 MVAR Capacitor (B0290)	Saddle Brook - Atheria Upgrade Cable (B0472)
Total Projects	754,759	301,028	3,320,514	834,155	(255,213)	1,108,281	(931,603)	280,394	505,383	(991)	53,470	837,303	160,214	6,726,321	1,073,309
Estimated Transmission Enhancement Charges (After True Up) - 2016															
	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom Loop (B0498)	Metuchen Transformer (B0161)	Branchburg-Flagtown-Somerville (B0169)	Flagtown-Somerville-Bridgewater (B0170)	Roseland Transformers (B0274)	Wave Trap Branchburg (B0172.2)	Reconductor Hudson - South Waterfront (B0813)	Reconductor South Mahwah J-3410 Circuit (B1017)	Reconductor South Mahwah K-3411 Circuit (B1018)	Branchburg 400 MVAR Capacitor (B0290)	Saddle Brook - Atheria Upgrade Cable (B0472)
Total Projects	3,071,297	1,240,095	13,394,968	3,385,901	2,982,632	4,249,280	976,747	1,114,815	3,067,264	2,285	1,203,471	3,454,222	2,877,379	17,144,701	2,940,449



Estimated Additions - 2016																
(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
Mickleton-Gloucester-Camden (B1398-B1398.7) (monthly additions) (in-service)	North Central Reliability (West Orange Conversion) (B1304.1-B1154) (monthly additions) (in service)	Northeast Grid Reliability Project (B1304.1-B1304.4) (monthly additions) (in service)	Susquehanna Roseland < 500KV (B0489.4) (monthly additions) (in service)	Susquehanna Roseland = 500KV (B0489) (monthly additions) (in service)	North Central Reliability (West Orange Conversion) (B1154) (monthly additions) (in service)	Mickleton-Gloucester-Camden Breakers (B1398.7-B1398.19) (monthly additions) (in service)	Mickleton-Gloucester-Camden Breakers (B1398.15-B1398.19) (monthly additions) (in service)	Burlington - Camden 230KV Conversion (B1156.20) (monthly additions) (in service)	Burlington - Camden 230KV Conversion (B1156.13-B1156.20) (monthly additions) (in service)	Northeast Grid Reliability Project (B1304.1-B1304.4) (monthly additions) (in service)	Northeast Grid Reliability Project (B1304.5-B1304.21) (monthly additions) (in service)	Convert the Bergen - Marion 138 KV path to double circuit 345 KV and associated substation upgrades (B2436.10) (monthly additions) (in service)	Convert the Marion - Bayonne "L" 138 KV circuit to 345 KV and any associated substation upgrades (B2436.21) (monthly additions) (in service)	Convert the Marion - Bayonne "C" 138 KV circuit to 345 KV and any associated substation upgrades (B2436.22) (monthly additions) (in service)	Construct a new Bayonne 345 KV circuit and any associated substation upgrades (B2436.33) (monthly additions) (in service)	Construct a new North Ave Bayonne 345 KV circuit and any associated substation upgrades (B2436.34) (monthly additions) (in service)
426,457,348	368,260,297	556,734,041	-	-	-	-	-	-	-	201,881,920	6,516,892	84,176,263	14,821,498	14,895,803	7,554,938	1,867,294
750,000	-	-	-	-	-	-	-	-	-	6,379,785	2,863,215	8,174,117	464,936	443,041	1,788,069	1,227,968
750,000	-	-	-	-	-	-	-	-	-	5,945,761	3,652,739	9,858,788	735,383	771,986	1,848,131	1,218,452
-	-	83,232,000	-	-	-	-	-	-	-	(64,773,045)	(10,055,655)	10,106,025	578,115	547,120	2,715,958	1,991,387
-	-	-	-	-	-	-	-	-	-	13,096,109	4,455,691	7,979,932	679,024	655,207	3,210,260	2,277,562
-	-	197,069,021	-	-	-	-	-	-	-	(162,430,530)	(7,442,882)	5,969,842	756,020	708,592	3,261,753	2,145,257
-	-	2,545,944	-	-	-	-	-	-	-	-	-	(129,602,783)	(16,299,388)	(16,370,159)	3,523,357	1,873,264
-	-	1,330,000	-	-	-	-	-	-	-	-	-	1,071,325	256,343	173,130	3,300,333	2,283,094
-	-	350,000	-	-	-	-	-	-	-	-	-	847,822	881,579	507,670	3,598,113	3,293,819
-	-	350,000	-	-	-	-	-	-	-	-	-	155,884	1,191,612	322,165	4,218,543	3,406,951
-	-	70,000	-	-	-	-	-	-	-	-	-	125,765	8,497,321	692,019	3,404,297	2,770,804
-	-	-	-	-	-	-	-	-	-	-	-	131,804	4,006,513	1,818,213	4,787,231	4,691,976
-	-	-	-	-	-	-	-	-	-	-	-	112,624	2,290,289	399,245	2,943,207	2,781,105
427,957,348	368,260,297	841,681,806	-	-	-	-	-	-	-	-	-	3,106,397	19,887,254	5,133,133	46,154,190	31,456,933

Estimated Transmission Enhancement Charges (Before True-Up) - 2016																
Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)	Somerville-Bridgewater Reconductor (B0668)	New Essex-Keamy 138 KV circuit and bus tie (B0814)	Salem 500 KV breakers (B1410-B1415)	230KV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082)	Branchburg-Middlesex Switch Rack (B1155)	Aldene-Springfield Rd Conversion (B1399)	Upgrade Camden-Richmond 230KV Circuit (B1590)	Susquehanna Roseland Breakers (B0489.5-B0489.15)	Susquehanna Roseland < 500KV (B0489.4)	Susquehanna Roseland > 500KV (B0489)	Burlington - Camden 230KV Conversion (B1156)	Mickleton-Gloucester-Camden (B1398.7)	North Central Reliability (West Orange Conversion) (B1154)	Northeast Grid Reliability Project (B1304.1-B1304.4)	Convert the Bergen - Marion 138 KV path to double circuit 345 KV and associated substation upgrades (B2436.10)
2,414,181	832,651	6,038,051	2,163,341	2,926,137	-	9,243,999	9,831,890	1,517,260	783,397	5,742,497	103,815,086	47,474,838	58,791,720	48,774,658	103,807,445	11,640,166

Actual Transmission Enhancement Charges - 2014																
Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)	Somerville-Bridgewater Reconductor (B0668)	New Essex-Keamy 138 KV circuit and bus tie (B0814)	Salem 500 KV breakers (B1410-B1415)	230KV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082)	Branchburg-Middlesex Switch Rack (B1155)	Aldene-Springfield Rd Conversion (B1399)	Upgrade Camden-Richmond 230KV Circuit (B1590)	Susquehanna Roseland Breakers (B0489.5-B0489.15)	Susquehanna Roseland < 500KV (B0489.4)	Susquehanna Roseland > 500KV (B0489)	Burlington - Camden 230KV Conversion (B1156)	Mickleton-Gloucester-Camden (B1398.7)	North Central Reliability (West Orange Conversion) (B1154)	Northeast Grid Reliability Project (B1304.1-B1304.4)	Convert the Bergen - Marion 138 KV path to double circuit 345 KV and associated substation upgrades (B2436.10)
2,650,353	913,777	6,607,679	1,755,636	3,209,866	-	8,878,852	3,438,903	234,599	859,361	4,647,913	66,426,879	37,392,933	5,279,191	47,135,528	14,884,013	

Reconciliation by Project (without interest)																
Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)	Somerville-Bridgewater Reconductor (B0668)	New Essex-Kearny 138 kV circuit and bus tie (B0814)	Salem 500 kV breakers (B1410-B1415)	230kV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082)	Branchburg-Middlesex Switch Rack (B1155)	Aldene-Springfield Rd. Conversion (B1399)	Upgrade Camden-Richmond 230kV Circuit (B1590)	Susquehanna Roseland Breakers (B0489.5-B0489.15)	Susquehanna Roseland < 500KV (B0489.4)	Susquehanna Roseland > 500KV (B0489)	Burlington-Camden 230KV Conversion (B1156)	Mickleton-Gloucester-Camden(B139 8-B1398.7)	North Central Reliability (West Orange Conversion) (B1154)	Northeast Grid Reliability Project (B1304.1-B1304.4)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10)
2,551,429	527,890	7,661,689	1,486,192	313,509	(1,706,813)	4,393,883	(235,937)	234,599	(467,903)	537,530	21,836,726	(4,583,542)	5,279,191	(495,634)	14,851,882	

1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783
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True Up by Project (with interest) - 2014																
Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)	Somerville-Bridgewater Reconductor (B0668)	New Essex-Kearny 138 kV circuit and bus tie (B0814)	Salem 500 kV breakers (B1410-B1415)	230kV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082)	Branchburg-Middlesex Switch Rack (B1155)	Aldene-Springfield Rd. Conversion (B1399)	Upgrade Camden-Richmond 230kV Circuit (B1590)	Susquehanna Roseland Breakers (B0489.5-B0489.15)	Susquehanna Roseland < 500KV (B0489.4)	Susquehanna Roseland > 500KV (B0489)	Burlington-Camden 230KV Conversion (B1156)	Mickleton-Gloucester-Camden(B139 8-B1398.7)	North Central Reliability (West Orange Conversion) (B1154)	Northeast Grid Reliability Project (B1304.1-B1304.4)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10)
2,724,481	563,695	8,181,348	1,586,994	334,773	(1,822,685)	4,691,901	(251,940)	250,511	(499,639)	573,988	23,317,816	(4,894,424)	5,637,255	(529,464)	15,859,221	-

Estimated Transmission Enhancement Charges (After True Up) - 2016																
Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)	Somerville-Bridgewater Reconductor (B0668)	New Essex-Kearny 138 kV circuit and bus tie (B0814)	Salem 500 kV breakers (B1410-B1415)	230kV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082)	Branchburg-Middlesex Switch Rack (B1155)	Aldene-Springfield Rd. Conversion (B1399)	Upgrade Camden-Richmond 230kV Circuit (B1590)	Susquehanna Roseland Breakers (B0489.5-B0489.15)	Susquehanna Roseland < 500KV (B0489.4)	Susquehanna Roseland > 500KV (B0489)	Burlington-Camden 230KV Conversion (B1156)	Mickleton-Gloucester-Camden(B139 8-B1398.7)	North Central Reliability (West Orange Conversion) (B1154)	Northeast Grid Reliability Project (B1304.1-B1304.4)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10)
5,138,662	1,396,346	14,219,399	3,750,335	3,260,909	(1,822,685)	13,935,901	9,579,650	1,767,771	283,758	6,316,485	127,132,992	42,560,414	64,428,975	48,245,194	119,566,666	11,640,166

Estimated Additions - 2016														
(AH)	(AJ)	(AL)	(AK)	(AS)	(AM)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)	(AT)	(AU)	(AV)
Construct a new North Ave Airport 345 kV circuit and any associated substation upgrades (B2436.50) (monthly additions) (C/WIP)	Relocate the underground portion of North Ave - Linden "1" 138 kV circuit to 345 kV, and any associated substation upgrades (B2436.60) (monthly additions) (C/WIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (monthly additions) (C/WIP)	Relocate the overhead portion of Linden - North Ave "1" 138 kV circuit to 345 kV, and any associated substation upgrades (B2436.81) (monthly additions) (C/WIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (monthly additions) (C/WIP)	Convert the Bayway - Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (monthly additions) (C/WIP)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (monthly additions) (C/WIP)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (monthly additions) (C/WIP)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (monthly additions) (C/WIP)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (monthly additions) (C/WIP)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (monthly additions) (C/WIP)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (monthly additions) (C/WIP)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (monthly additions) (C/WIP)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (monthly additions) (C/WIP)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (monthly additions) (C/WIP)
3,309,282	4,404,029	6,053,980	3,338,989	3,338,989	5,782,211	5,782,211	15,432,721	14,219,415	19,427,024	19,665,474	2,990,285	2,991,005	1,715,265	233,988
592,995	288,330	325,607	298,042	298,042	405,746	405,746	565,629	333,434	1,192,722	332,722	144,832	144,832	597,110	107,174
603,900	236,758	480,510	328,276	328,276	344,185	344,185	2,406,793	746,630	1,314,800	454,800	159,376	159,376	687,556	21,755
743,599	850,301	273,245	1,701,230	1,701,230	853,196	853,196	2,641,692	427,737	1,168,824	2,028,824	659,573	659,573	49,850	116,161
1,148,822	671,180	543,237	1,331,090	1,331,090	488,476	488,476	1,632,381	566,428	871,049	1,731,049	325,601	325,601	597,802	65,789
2,716,363	871,325	2,469,307	1,230,536	1,230,536	1,246,551	1,246,551	660,583	594,220	10,178	10,178	555,140	555,140	358,942	110,060
2,254,897	1,479,270	3,490,803	2,034,206	2,034,206	2,048,041	2,048,041	(22,920,813)	(16,468,966)	(21,718,250)	(21,718,250)	1,185,130	1,185,130	575,513	95,081
2,731,821	976,189	3,261,820	1,134,625	1,134,625	1,150,892	1,150,892	83,232	56,954	3,748	3,748	551,021	551,021	3,244,188	111,797
2,690,501	994,361	2,608,327	917,882	917,882	913,416	913,416	67,421	46,578	2,973	2,973	295,814	295,814	1,860,783	457,618
3,148,383	837,175	2,578,248	1,129,217	1,129,217	1,123,600	1,123,600	83,031	56,817	3,739	3,739	379,764	379,764	2,142,744	260,979
3,659,719	643,851	1,742,628	1,031,261	1,031,261	1,126,514	1,126,514	81,744	46,210	3,941	3,941	271,970	271,970	1,501,982	212,236
4,157,535	692,382	5,249,978	1,086,970	1,086,970	1,075,271	1,075,271	92,823	48,984	3,127	3,127	14,052	14,052	1,543,262	1,765,576
1,995,538	507,421	3,037,872	860,285	860,285	775,548	775,548	86,342	41,055	2,702	2,702	11,391	11,391	1,333,627	355,033
29,153,435	13,451,622	32,115,862	16,422,638	16,422,638	17,333,648	17,333,648	906,569	715,475	2,285,677	2,524,127	7,543,949	7,544,869	16,168,432	3,913,246

Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point - Gloucester 230kV Circuit (B1588)	Mickleton - Gloucester 230kV Circuit (B2139)	Ridge Road 69kV Breaker Station (B1255)	Cox's Corner - Lumberton 230kV Circuit (B1787)	Sewaren Switch 230kV Conversion (B2276)	Susquehanna Roseland < 500kV (B0489.4)	Susquehanna Roseland >= 500kV (B0489)	North Central Reliability (West Orange Conversion) (B1154)	Mickleton - Gloucester - Camden (B1398-7) (C/WIP)	Mickleton - Gloucester - Camden Breakers (B1398-15- B1398.19) (C/WIP)	Burlington - Camden 230kV Conversion (B1156) (C/WIP)
1,480,230	1,480,230	2,047,240	1,480,230	1,898,794	1,898,794	1,654,204	2,525,192	2,807,871	4,125,793	9,480,938	-	-	-	-	-	-

Actual Transmission Enhancement Charges - 2014																
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point - Gloucester 230kV Circuit (B1588)	Mickleton - Gloucester 230kV Circuit (B2139)	Ridge Road 69kV Breaker Station (B1255)	Cox's Corner - Lumberton 230kV Circuit (B1787)	Sewaren Switch 230kV Conversion (B2276)	Susquehanna Roseland < 500kV (B0489.4)	Susquehanna Roseland >= 500kV (B0489)	North Central Reliability (West Orange Conversion) (B1154)	Mickleton - Gloucester - Camden (B1398-7) (C/WIP)	Mickleton - Gloucester - Camden Breakers (B1398-15- B1398.19) (C/WIP)	Burlington - Camden 230kV Conversion (B1156) (C/WIP)
											1,646,580	31,002,624	3,895,715	16,099,944	65,596	7,020,285

Reconciliation by Project (without interest)																
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point - Gloucester 230kV Circuit (B1588)	Mickleton-Gloucester 230kV Circuit (B2139)	Ridge Road 69kV Breaker Station (B1255)	Cox's Corner-Lumberton 230kV Circuit (B1787)	Sewaren Switch 230kV Conversion (B2276)	Susquehanna Roseland < 500kV (B0489.4) (CWIP)	Susquehanna Roseland >= 500kV (B0489) (CWIP)	North Central Reliability (West Orange Conversion) (B1154) (CWIP)	Mickleton-Gloucester-Camden (B1398-B1398.7) (CWIP)	Mickleton-Gloucester-Camden Breakers (B1398.15-B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (CWIP)
											(5,248,317)	(18,976,078)	(2,198,692)	(6,756,619)	(29,586)	8,909,571
1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783

True Up by Project (with interest) - 2014																
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point - Gloucester 230kV Circuit (B1588)	Mickleton-Gloucester 230kV Circuit (B2139)	Ridge Road 69kV Breaker Station (B1255)	Cox's Corner-Lumberton 230kV Circuit (B1787)	Sewaren Switch 230kV Conversion (B2276)	Susquehanna Roseland < 500kV (B0489.4) (CWIP)	Susquehanna Roseland >= 500kV (B0489) (CWIP)	North Central Reliability (West Orange Conversion) (B1154) (CWIP)	Mickleton-Gloucester-Camden (B1398-B1398.7) (CWIP)	Mickleton-Gloucester-Camden Breakers (B1398.15-B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (CWIP)
-	-	-	-	-	-	-	-	-	-	-	(5,604,287)	(20,263,143)	(2,347,820)	(7,214,891)	(31,572)	9,513,868

Estimated Transmission Enhancement Charges (After True Up) - 2016																
Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point - Gloucester 230kV Circuit (B1588)	Mickleton-Gloucester 230kV Circuit (B2139)	Ridge Road 69kV Breaker Station (B1255)	Cox's Corner-Lumberton 230kV Circuit (B1787)	Sewaren Switch 230kV Conversion (B2276)	Susquehanna Roseland < 500kV (B0489.4) (CWIP)	Susquehanna Roseland >= 500kV (B0489) (CWIP)	North Central Reliability (West Orange Conversion) (B1154) (CWIP)	Mickleton-Gloucester-Camden (B1398-B1398.7) (CWIP)	Mickleton-Gloucester-Camden Breakers (B1398.15-B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (CWIP)
1,480,230	1,480,230	2,047,240	1,480,232	1,898,794	1,898,794	1,654,204	2,625,192	2,807,671	4,125,793	9,460,938	(5,604,287)	(20,263,143)	(2,347,820)	(7,214,891)	(31,572)	9,513,868

	(AW)	(AX)	(AY)	(AZ)	(BA)	(BB)	(BC)	(BD)	(BE)	(BF)	(BG)	(BH)
		Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (in service)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (in service)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (in service)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.30) (in service)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (in service)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (in service)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (in service)	Ridge Road 69kV Breaker Station (B1255) (in service)	Cox's Corner - Lumberton 230kV Circuit (B1787) (in service)	Sewaren Switch 230kV Conversion (B2276) (in service)	
15-Dec	-	-	-	-	-	-	-	-	-	-	15,515,959	12,035,060
Jan	18,477,450	1,292,000	-	-	-	-	-	-	-	-	15,808,548	18,196,687
Feb	30,129,943	1,292,000	-	-	-	-	-	-	-	-	15,820,201	18,859,236
Mar	89,201,680	1,292,000	-	-	-	-	-	-	-	-	33,283,535	19,554,410
Apr	51,470,985	1,292,000	-	-	-	-	-	-	-	-	33,740,125	19,785,501
May	55,847,505	1,292,000	-	-	-	-	-	-	-	-	33,750,372	22,879,684
Jun	90,921,487	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	27,803,197	33,709,238	33,763,562	107,007,789
Jul	3,045,137	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,727,528	33,763,562	108,762,028	
Aug	1,741,545	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,745,818	33,763,562	110,599,860	
Sep	7,927,342	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,764,108	33,763,562	110,834,894	
Oct	2,771,025	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,764,108	33,763,562	111,030,356	
Nov	13,085,768	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,764,108	33,763,562	111,495,255	
Dec	300,958,144	153,976,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	33,764,108	33,763,562	112,005,777	
Total	654,678,193	1,084,293,249	137,864,227	137,864,227	190,673,856	137,864,402	176,848,020	176,848,020	264,042,213	384,264,178	883,626,559	
13 Month Average CWIP to Appendix A, line 45	51,129,092	83,407,173 7.04	10,604,941 7.00	10,604,941 7.00	14,667,220 7.00	10,604,954 7.00	13,603,694 7.00	13,603,694 7.00	20,310,939 7.82	29,558,783 11.38	67,925,120 7.88	

Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (CWIP)	Northeast Grid Reliability Project (B1304.1-B1304.4) (CWIP)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (CWIP)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (CWIP)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (CWIP)	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (CWIP)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (CWIP)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (CWIP)	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (CWIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (CWIP)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (CWIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (CWIP)	
-	8,459,954	355,835	5,826,722	1,426,555	1,064,877	2,887,183	1,636,015	1,549,513	1,007,813	1,793,514	1,119,514	1,119,514

Actual Transmission Enhancement Charges - 2014												
Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (CWIP)	Northeast Grid Reliability Project (B1304.1-B1304.4) (CWIP)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (CWIP)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (CWIP)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (CWIP)	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (CWIP)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (CWIP)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (CWIP)	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (CWIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (CWIP)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (CWIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (CWIP)	
461,851	29,152,116	3,752,145	391,383	61,526	58,653	74,197	58,912	41,991	21,259	56,093	24,145	24,145

Reconciliation by Project (without interest)												
Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (C/WIP)	Northeast Grid Reliability Project (B1304.1-B1304.4) (C/WIP)	Northeast Grid Reliability Project (B1304.5-B1304.21) (C/WIP)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (C/WIP)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (C/WIP)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (C/WIP)	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (C/WIP)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (C/WIP)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (C/WIP)	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (C/WIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (C/WIP)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (C/WIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (C/WIP)
(615,050)	(26,513,038)	(3,159,664)	391,383	61,526	58,653	74,197	58,912	41,991	21,259	56,093	24,145	24,145

1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783
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True Up by Project (with interest) - 2014												
Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (C/WIP)	Northeast Grid Reliability Project (B1304.1-B1304.4) (C/WIP)	Northeast Grid Reliability Project (B1304.5-B1304.21) (C/WIP)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (C/WIP)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (C/WIP)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (C/WIP)	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (C/WIP)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (C/WIP)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (C/WIP)	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (C/WIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (C/WIP)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (C/WIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (C/WIP)
(656,766)	(28,311,302)	(3,373,863)	417,929	65,699	62,631	79,229	62,908	44,839	22,701	59,898	25,783	25,783

Estimated Transmission Enhancement Charges (After True Up) - 2016												
Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (C/WIP)	Northeast Grid Reliability Project (B1304.1-B1304.4) (C/WIP)	Northeast Grid Reliability Project (B1304.5-B1304.21) (C/WIP)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (C/WIP)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (C/WIP)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (C/WIP)	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (C/WIP)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (C/WIP)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (C/WIP)	Relocate the underground portion of North Ave - Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (C/WIP)	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (C/WIP)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (C/WIP)	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (C/WIP)
(656,766)	(19,851,348)	(3,018,028)	6,244,651	1,492,254	1,127,509	2,866,412	1,938,923	1,594,352	1,030,614	1,853,412	1,145,297	1,145,297

(BI)	(BJ)	(BK)	(BL)	(BM)	(BN)	(BO)	(BP)	(BQ)	(BR)	(BS)	(BT)	(BU)	(BV)
Susquehanna Roseland Breakers (B0489.5-B0489.19) (in service)	Susquehanna Roseland <500kV (B0489.4) (in service)	Susquehanna Roseland >= 500kV (B0489) (in service)	Burlington - Camden 230kV Conversion (B1156) (in-service)	Mickleton-Gloucestercamden (B1398-B1398.7) (in-service)	North Central Reliability (West Orange Conversion) (B1154) (in service)	Northeast Grid Reliability Project (B1304 - B1304.4) (monthly additions) (in service)	Susquehanna Roseland < 500kV (B0489.4) (CWIP)	Susquehanna Roseland >= 500kV (B0489) (CWIP)	North Central Reliability (West Orange Conversion) (B1154) (CWIP)	Mickleton-Gloucestercamden (B1398-B1398.7) (CWIP)	Mickleton-Gloucestercamden Breakers (B1398.15-B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (CWIP)	Burlington - Camden 230kV Conversion (B1156.13-B1156.29) (CWIP)
5,857,687	40,538,248	723,503,148	354,730,847	426,457,348	368,260,297	556,734,941	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,207,348	368,260,297	556,734,941	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	556,734,941	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	639,966,941	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	837,035,952	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	939,581,806	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	840,911,806	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	841,261,806	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	841,611,806	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	841,681,806	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	841,681,806	-	-	-	-	-	-	-
76,149,931	526,997,224	9,405,540,919	4,611,501,915	5,561,186,526	4,787,383,665	9,675,597,314	-	-	-	-	-	-	-
5,857,687	40,538,248	723,503,148	354,730,847	427,784,271	368,260,297	744,275,947	-	-	-	-	-	-	-
13.00	13.00	13.00	13.00	12.99	13.00	11.50	-	-	-	-	-	-	-

Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIP)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIP)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIP)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (CWIP)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIP)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIP)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIP)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIP)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIP)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIP)	BRH Project (B0829-B0830) Abandoned	-
1,276,434	1,276,434	1,061,821	863,750	1,326,708	1,323,679	639,295	639,379	851,765	145,981	-	

Actual Transmission Enhancement Changes - 2014											
Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIP)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIP)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIP)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (CWIP)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIP)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIP)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIP)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIP)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIP)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIP)	BRH Project (B0829-B0830) Abandoned	-
24,114	24,114	63,898	48,434	220,160	223,171	4,946	4,952	13,854	5,677	-	

Reconciliation by Project (without interest)										
Convert the Bayway-Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIPI)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIPI)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIPI)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (CWIPI)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIPI)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIPI)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIPI)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIPI)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIPI)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIPI)	BRH Project (B0829-B0830) Abandoned
24,114	24,114	63,898	48,434	220,160	223,171	4,946	4,952	13,854	5,677	-

1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783	1,06783
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True Up by Project (with interest) - 2014										
Convert the Bayway-Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIPI)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIPI)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIPI)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (CWIPI)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIPI)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIPI)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIPI)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIPI)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIPI)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIPI)	BRH Project (B0829-B0830) Abandoned
25,750	25,750	68,232	51,719	235,093	238,307	5,281	5,288	14,794	6,062	-

Estimated Transmission Enhancement Charges (After True Up) - 2016										
Convert the Bayway-Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIPI)	Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIPI)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIPI)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2436.91) (CWIPI)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIPI)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIPI)	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIPI)	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIPI)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIPI)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIPI)	BRH Project (B0829-B0830) Abandoned
1,302,184	1,302,184	1,150,053	915,470	1,561,801	1,561,986	644,576	644,666	856,559	152,043	-



Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 6A - Project Specific Estimate and Reconciliation Worksheet - December 31, 2016

(BW)	(BX)	(BY)	(BZ)	(CA)	(CB)	(CC)	(CD)	(CE)	(CF)	(CG)	(CH)	(CI)	(CJ)	(CK)	(CL)	(CM)	(CN)	(CO)	(CP)	(CR)	(CS)
Northeast Grid Reliability Project (B1304.1-B1304.4)	Northeast Grid Reliability Project (B1304.5-B1304.7)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10)	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)	Construct a new Bayonne 345 kV circuit and any associated substation upgrades (B2436.33)	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34)	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50)	Relocate the underground portion of North Ave - Linden "I" 138 kV circuit to 345 kV, and any associated substation upgrades (B2436.60)	Construct a new Airport - Baywood 345 kV circuit and any associated substation upgrades (B2436.70)	Relocate the overhead portion of Linden - North Ave "I" 138 kV circuit to 345 kV, and any associated substation upgrades (B2436.81)	Convert the Baywood - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83)	Convert the Baywood - Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84)	Convert the Baywood - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated substation upgrades (B2437.10)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	New Baywood 345/138 kV transformer #1 and any associated substation upgrades (B2437.21)	New Baywood 345/138 kV transformer #2 and any associated substation upgrades (B2437.21)	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30)	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33)
(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)	(CWIPI)
201,881,920	6,516,892	84,176,263	14,821,498	14,895,803	7,554,938	1,867,294	3,309,282	4,404,029	6,053,980	3,338,989	3,338,989	5,782,211	5,782,211	15,432,721	14,219,415	19,427,024	19,665,474	2,990,285	2,991,005	1,715,265	233,966
208,261,705	9,390,107	92,350,380	15,286,434	15,338,844	9,343,007	3,125,262	3,902,277	4,692,359	6,379,587	3,637,031	3,637,031	6,187,957	6,187,957	15,998,349	14,552,849	20,619,745	19,998,196	3,135,116	3,135,836	2,312,374	341,140
214,107,466	13,042,846	102,209,178	16,081,827	16,109,330	11,191,138	4,341,714	4,556,257	4,920,128	6,860,096	3,965,307	3,965,307	6,532,142	6,532,142	18,407,142	15,299,478	21,934,545	20,452,095	3,204,492	3,205,213	2,969,029	352,896
149,334,421	2,987,191	112,315,293	16,667,942	16,667,050	13,807,096	5,933,101	5,249,856	5,779,429	7,133,342	5,665,536	5,665,536	7,385,339	7,385,339	21,048,624	15,727,216	23,103,369	22,481,819	3,954,066	3,954,786	3,010,459	479,057
162,430,630	7,442,882	120,295,135	17,336,966	17,312,257	17,117,356	8,210,663	6,398,678	6,450,607	7,676,579	6,997,626	6,997,626	7,873,815	7,873,815	22,881,206	16,293,643	23,974,418	24,212,868	4,279,666	4,280,386	3,608,293	544,845
-	-	126,264,877	18,092,966	18,020,849	20,379,108	10,355,920	9,115,041	7,321,932	10,145,886	8,228,162	8,228,162	9,120,366	9,120,366	23,341,789	16,887,863	23,984,596	24,223,046	4,834,806	4,835,526	3,967,235	654,906
-	-	652,194	1,793,598	1,650,050	23,932,465	12,229,184	11,369,937	9,890,292	13,636,489	10,262,368	10,262,368	11,168,407	11,168,407	411,076	418,878	2,268,346	2,504,796	6,019,936	6,020,656	4,542,748	749,986
-	-	1,733,519	2,049,841	1,823,820	27,202,798	14,512,278	14,101,758	9,776,392	16,898,310	11,399,993	11,399,993	12,319,300	12,319,300	495,207	475,831	2,270,094	2,508,545	6,570,958	6,571,678	7,786,934	861,783
-	-	2,581,341	2,901,519	2,331,490	30,800,911	17,806,097	16,792,259	10,770,752	19,506,637	12,314,875	12,314,875	13,232,716	13,232,716	562,629	522,410	2,273,067	2,511,518	6,866,771	6,867,492	9,647,717	1,319,401
-	-	2,737,205	4,093,132	2,653,656	35,018,454	21,213,048	19,940,643	11,607,928	22,084,884	13,444,082	13,444,082	14,366,316	14,366,316	645,680	579,227	2,276,807	2,515,267	7,246,536	7,247,256	11,790,461	1,580,380
-	-	2,863,870	19,590,452	2,915,676	38,423,752	23,983,852	23,000,361	12,251,819	23,927,812	14,475,383	14,475,383	15,462,830	15,462,830	727,494	625,436	2,273,848	2,516,298	7,518,506	7,519,226	19,291,543	1,792,636
-	-	2,995,774	17,596,966	4,733,888	43,210,983	26,675,828	27,157,897	12,944,201	29,077,790	16,562,353	16,562,353	16,568,101	16,568,101	820,227	674,421	2,282,975	2,521,426	7,532,557	7,533,278	14,834,805	3,558,212
-	-	3,108,397	19,887,254	5,133,133	46,154,190	31,456,933	29,153,435	13,451,622	32,115,662	16,422,638	16,422,638	17,333,648	17,333,648	806,569	715,475	2,285,677	2,524,127	7,543,949	7,544,669	16,168,432	3,913,245
936,016,043	39,369,916	654,293,537	166,190,517	119,577,062	324,207,194	183,711,171	173,997,682	113,180,399	201,397,554	125,712,354	125,712,354	143,333,149	143,333,149	121,479,793	96,992,142	148,978,510	148,638,363	71,787,643	71,797,006	95,646,229	16,392,454
13.00	13.00	210.49	8.05	23.30	7.02	5.84	5.97	8.41	6.27	7.65	7.65	8.27	8.27	134.00	135.56	65.18	58.89	9.52	9.52	5.92	4.19
72,001,234	3,028,455	50,330,272	12,322,347	9,198,237	24,939,015	14,131,629	13,384,437	8,706,185	15,492,081	9,670,181	9,670,181	11,025,627	11,025,627	9,344,593	7,460,934	11,459,885	11,433,720	5,522,126	5,522,847	7,357,402	1,260,958



**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016**

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
**For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.**

10	Details		Branchburg (B0130)			Kittatinny (B0134)			Essex Aldene (B0145)			New Freedom Trans.(B0411)		
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
11	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
12	42		42		42		42		42		42			
13	No	No	No	No	No	No	No	No	No	No	No	No		
14	0		0		0		0		0		0			
15	11.68%		11.58%		11.58%		11.58%		11.58%		11.58%			
16	11.58%		11.58%		11.58%		11.58%		11.58%		11.58%			
17	20,680,597		8,069,022		86,565,629		22,188,863							
18	492,395		192,120		2,061,086		528,306							
19	13.00		13.00		13.00		13.00							
20	2006		2007		2007		2007							
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006	20,680,597	492,395	4,652,471									
23	W Increased ROE	2006	20,680,597	492,395	4,652,471									
24	W 11.68 % ROE	2007	20,188,202	492,395	4,553,422	8,069,022	80,050	1,703,202	86,565,629	858,786	18,272,191	22,188,863	484,281	4,947,757
25	W Increased ROE	2007	20,188,202	492,395	4,553,422	8,069,022	80,050	1,703,202	86,565,629	858,786	18,272,191	22,188,863	484,281	4,947,757
26	W 11.68 % ROE	2008	19,695,807	492,395	4,454,372	7,988,972	192,120	1,799,169	85,706,843	2,061,086	19,301,739	21,704,582	528,306	4,894,366
27	W Increased ROE	2008	19,695,807	492,395	4,454,372	7,988,972	192,120	1,799,169	85,706,843	2,061,086	19,301,739	21,704,582	528,306	4,894,366
28	W 11.68 % ROE	2009	19,203,412	492,395	4,523,234	7,796,853	192,120	1,828,696	83,645,756	2,061,086	19,618,517	21,176,276	528,306	4,973,254
29	W Increased ROE	2009	19,203,412	492,395	4,523,234	7,796,853	192,120	1,828,696	83,645,756	2,061,086	19,618,517	21,176,276	528,306	4,973,254
30	W 11.68 % ROE	2010	18,711,016	492,395	4,095,968	7,604,733	192,120	1,656,722	81,584,670	2,061,086	17,773,557	20,647,970	528,306	4,504,919
31	W Increased ROE	2010	18,711,016	492,395	4,095,968	7,604,733	192,120	1,656,722	81,584,670	2,061,086	17,773,557	20,647,970	528,306	4,504,919
32	W 11.68 % ROE	2011	18,218,621	492,395	3,746,858	7,412,613	192,120	1,516,263	79,523,584	2,061,086	16,266,692	20,119,663	528,306	4,122,360
33	W Increased ROE	2011	18,218,621	492,395	3,746,858	7,412,613	192,120	1,516,263	79,523,584	2,061,086	16,266,692	20,119,663	528,306	4,122,360
34	W 11.68 % ROE	2012	17,726,226	492,395	3,154,416	7,220,494	192,120	1,276,451	77,462,497	2,061,086	13,693,952	19,591,357	528,306	3,470,422
35	W Increased ROE	2012	17,726,226	492,395	3,154,416	7,220,494	192,120	1,276,451	77,462,497	2,061,086	13,693,952	19,591,357	528,306	3,470,422
36	W 11.68 % ROE	2013	17,233,831	492,395	2,886,756	7,028,374	192,120	1,168,598	75,401,411	2,061,086	12,536,886	19,063,051	528,306	3,176,807
37	W Increased ROE	2013	17,233,831	492,395	2,886,756	7,028,374	192,120	1,168,598	75,401,411	2,061,086	12,536,886	19,063,051	528,306	3,176,807
38	W 11.68 % ROE	2014	16,741,436	492,395	2,555,172	6,836,255	192,120	1,034,441	73,340,324	2,061,086	11,087,629	18,534,745	528,306	2,812,043
39	W Increased ROE	2014	16,741,436	492,395	2,555,172	6,836,255	192,120	1,034,441	73,340,324	2,061,086	11,087,629	18,534,745	528,306	2,812,043
40	W 11.68 % ROE	2015	16,249,041	492,395	2,470,088	6,644,135	192,120	1,000,786	71,279,238	2,061,086	10,736,580	18,006,439	528,306	2,719,894
41	W Increased ROE	2015	16,249,041	492,395	2,470,088	6,644,135	192,120	1,000,786	71,279,238	2,061,086	10,736,580	18,006,439	528,306	2,719,894
42	W 11.68 % ROE	2016	15,756,645	492,395	2,316,538	6,452,016	192,120	939,068	69,218,152	2,061,086	10,074,454	17,478,132	528,306	2,551,745
43	W Increased ROE	2016	15,756,645	492,395	2,316,538	6,452,016	192,120	939,068	69,218,152	2,061,086	10,074,454	17,478,132	528,306	2,551,745

**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
**Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016**

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details		New Freedom Loop (B0498)			Metuchen Transformer (B0161)			Branchburg-Flagtown-Somerville (B0169)			Flagtown-Somerville-Bridgewater (B0170)		
	Schedule 12 (Yes or No)	Life	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"		Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0
12	Useful life of the project	42	42			42			42			42		
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"		No			No			No			No		
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0			0			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	11.58%			11.58%			11.58%			11.58%		
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%			11.58%			11.58%			11.58%		
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	27,005,248			25,799,055			15,731,554			6,961,495		
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	642,982			614,263			374,561			165,750		
19	Months in service for depreciation expense from Attachment 6		13.00			13.00			13.00			13.00		
20	Year placed in Service (0 if CWIP)		2008			2009			2009			2008		
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008	24,921,237	88,646	837,584							6,961,495	25,372	239,734
27	W Increased ROE	2008	24,921,237	88,646	837,584							6,961,495	25,372	239,734
28	W 11.68 % ROE	2009	26,916,602	642,982	6,292,837	19,700,217	288,478	2,831,673	15,773,880	234,561	2,302,423	6,936,122	165,750	1,621,657
29	W Increased ROE	2009	26,916,602	642,982	6,292,837	19,700,217	288,478	2,831,673	15,773,880	234,561	2,302,423	6,936,122	165,750	1,621,657
30	W 11.68 % ROE	2010	26,273,620	642,982	5,703,044	25,488,527	613,738	5,522,598	15,539,319	375,568	3,368,301	6,770,372	165,750	1,469,662
31	W Increased ROE	2010	26,273,620	642,982	5,703,044	25,488,527	613,738	5,522,598	15,539,319	375,568	3,368,301	6,770,372	165,750	1,469,662
32	W 11.68 % ROE	2011	25,630,832	642,987	5,221,521	24,896,838	614,263	5,061,682	15,121,425	374,561	3,075,759	6,604,623	165,750	1,345,559
33	W Increased ROE	2011	25,630,832	642,987	5,221,521	24,896,838	614,263	5,061,682	15,121,425	374,561	3,075,759	6,604,623	165,750	1,345,559
34	W 11.68 % ROE	2012	24,987,652	642,982	4,395,482	24,282,576	614,263	4,260,879	14,746,864	374,561	2,589,159	6,438,873	165,750	1,132,702
35	W Increased ROE	2012	24,987,652	642,982	4,395,482	24,282,576	614,263	4,260,879	14,746,864	374,561	2,589,159	6,438,873	165,750	1,132,702
36	W 11.68 % ROE	2013	24,344,669	642,982	4,025,278	23,668,312	614,263	3,902,590	14,372,303	374,561	2,371,359	6,273,123	165,750	1,037,298
37	W Increased ROE	2013	24,344,669	642,982	4,025,278	23,668,312	614,263	3,902,590	14,372,303	374,561	2,371,359	6,273,123	165,750	1,037,298
38	W 11.68 % ROE	2014	23,701,687	642,982	3,563,358	23,054,049	614,263	3,454,841	13,997,743	374,561	2,099,276	6,107,373	165,750	918,263
39	W Increased ROE	2014	23,701,687	642,982	3,563,358	23,054,049	614,263	3,454,841	13,997,743	374,561	2,099,276	6,107,373	165,750	918,263
40	W 11.68 % ROE	2015	23,058,705	642,982	3,449,489	22,439,786	614,263	3,345,440	13,623,182	374,561	2,032,657	5,941,623	165,750	888,913
41	W Increased ROE	2015	23,058,705	642,982	3,449,489	22,439,786	614,263	3,345,440	13,623,182	374,561	2,032,657	5,941,623	165,750	888,913
42	W 11.68 % ROE	2016	22,415,723	642,982	3,238,044	21,825,523	614,263	3,140,998	13,248,621	374,561	1,908,350	5,775,874	165,750	834,421
43	W Increased ROE	2016	22,415,723	642,982	3,238,044	21,825,523	614,263	3,140,998	13,248,621	374,561	1,908,350	5,775,874	165,750	834,421

**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
**Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016**

1			New Plant Carrying Charge		
2			<b>Fixed Charge Rate (FCR) if not a CIAC</b>		
		Formula Line			
3	A	152	Net Plant Carrying Charge without Depreciation		11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		12.27%
5	C		Line B less Line A		0.69%
6			<b>FCR if a CIAC</b>		
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		1.90%

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

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

Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%,

which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.

For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the

13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details		Roseland Transformers (B0274)			Wave Trap Branchburg (B0172.2)			Reconductor Hudson - South Waterfront (B0813)			Reconductor South Mahwah J-3410 Circuit (B1017)		
	Schedule 12 (Yes or No)	Life	Yes	No	0	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"		42			42			42			42		
12	Useful life of the project													
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		
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0			0			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	11.58%			11.58%			11.58%			11.58%		
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%			11.58%			11.58%			11.58%		
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	21,073,706			27,988			9,158,918			20,626,991		
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	501,755			666			218,069			491,119		
19	Months in service for depreciation expense from Attachment 6		13.00			13.00			13.00			13.00		
20	Year placed in Service (0 if CWIP)		2009			2008			2010			2011		
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007				36,369	577	5,114						
25	W Increased ROE	2007				36,369	577	5,114						
26	W 11.68 % ROE	2008				35,792	866	8,379						
27	W Increased ROE	2008				35,792	866	8,379						
28	W 11.68 % ROE	2009	21,092,458	268,347	2,634,066	27,122	666	5,890	8,806,222	18,700	169,959			
29	W Increased ROE	2009	21,092,458	268,347	2,634,066	27,122	666	5,890	8,806,222	18,700	169,959			
30	W 11.68 % ROE	2010	20,797,967	501,579	4,507,079	27,122	666	5,289	9,140,218	218,069	1,850,822	20,623,951	300,198	2,435,793
31	W Increased ROE	2010	20,797,967	501,579	4,507,079	27,122	666	5,289	9,140,218	218,069	1,850,822	20,623,951	300,198	2,435,793
32	W 11.68 % ROE	2011	20,302,520	501,725	4,128,443	25,878	666	5,289	9,140,218	218,069	1,850,822	20,326,793	491,119	3,543,678
33	W Increased ROE	2011	20,302,520	501,725	4,128,443	25,878	666	5,289	9,140,218	218,069	1,850,822	20,326,793	491,119	3,543,678
34	W 11.68 % ROE	2012	19,802,055	501,755	3,475,512	25,212	666	4,453	8,922,149	218,069	1,557,946	20,326,793	491,119	3,543,678
35	W Increased ROE	2012	19,802,055	501,755	3,475,512	25,212	666	4,453	8,922,149	218,069	1,557,946	20,326,793	491,119	3,543,678
36	W 11.68 % ROE	2013	19,300,300	501,755	3,183,218	24,546	666	4,077	8,704,079	218,069	1,427,360	19,835,674	491,119	3,246,963
37	W Increased ROE	2013	19,300,300	501,755	3,183,218	24,546	666	4,077	8,704,079	218,069	1,427,360	19,835,674	491,119	3,246,963
38	W 11.68 % ROE	2014	18,798,545	501,755	2,817,996	23,880	666	3,609	8,486,010	218,069	1,263,663	19,344,555	491,119	2,874,636
39	W Increased ROE	2014	18,798,545	501,755	2,817,996	23,880	666	3,609	8,486,010	218,069	1,263,663	19,344,555	491,119	2,874,636
40	W 11.68 % ROE	2015	18,296,790	501,755	2,728,682	23,213	666	3,492	8,267,940	218,069	1,224,372	18,853,437	491,119	2,785,796
41	W Increased ROE	2015	18,296,790	501,755	2,728,682	23,213	666	3,492	8,267,940	218,069	1,224,372	18,853,437	491,119	2,785,796
42	W 11.68 % ROE	2016	17,795,036	501,755	2,561,882	22,547	666	3,277	8,049,871	218,069	1,150,001	18,362,318	491,119	2,616,920
43	W Increased ROE	2016	17,795,036	501,755	2,561,882	22,547	666	3,277	8,049,871	218,069	1,150,001	18,362,318	491,119	2,616,920

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

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Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE added as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects. Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Reconductor South Mahwah K-3411 Circuit (B01018)			Branchburg 400 MVAR Capacitor (B0290)			Saddle Brook - Athenia Upgrade Cable (B0472)			Branchburg-Sommerville-Flagtown Reconductor (B0664 & B0665)			
		Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			Yes			Yes			Yes			
12	Useful life of the project	42			42			42			42			
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"	No			No			No			No			
14	Input the allowed increase in ROE	0			0			0			0			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.58%			11.58%			11.58%			11.58%			
16	Line 14 plus (line 5 times line 15)/100	11.58%			11.58%			11.58%			11.58%			
17	Service Account 101 or 106 if not yet classified - End of year balance	21,170,273			80,435,315			14,404,842			18,664,931			
18	Line 17 divided by line 12	504,054			1,915,127			342,972			444,403			
19	Months in service for depreciation expense from Attachment 6	13.00			13.00			13.00			13.00			
20	Year placed in Service (0 if CWIP)	2011			2012			2012			2012			
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011	20,511,158	37,566	284,735									
33	W Increased ROE	2011	20,511,158	37,566	284,735									
34	W 11.68 % ROE	2012	21,132,707	504,054	3,677,641	79,937,194	1,240,233	9,062,770	14,401,477	210,412	1,537,549	19,820,557	318,342	2,326,229
35	W Increased ROE	2012	21,132,707	504,054	3,677,641	79,937,194	1,240,233	9,062,770	14,401,477	210,412	1,537,549	19,820,557	318,342	2,326,229
36	W 11.68 % ROE	2013	20,628,652	504,054	3,370,070	79,195,082	1,915,127	12,917,996	14,194,429	342,972	2,315,058	18,294,505	443,163	2,984,887
37	W Increased ROE	2013	20,628,652	504,054	3,370,070	79,195,082	1,915,127	12,917,996	14,194,429	342,972	2,315,058	18,294,505	443,163	2,984,887
38	W 11.68 % ROE	2014	20,124,598	504,054	2,983,683	77,279,955	1,915,127	11,437,086	13,851,457	342,972	2,049,664	17,903,425	444,403	2,650,353
39	W Increased ROE	2014	20,124,598	504,054	2,983,683	77,279,955	1,915,127	11,437,086	13,851,457	342,972	2,049,664	17,903,425	444,403	2,650,353
40	W 11.68 % ROE	2015	19,620,544	504,054	2,892,097	75,375,411	1,915,127	11,089,171	13,508,484	342,972	1,987,109	17,463,626	444,403	2,569,925
41	W Increased ROE	2015	19,620,544	504,054	2,892,097	75,375,411	1,915,127	11,089,171	13,508,484	342,972	1,987,109	17,463,626	444,403	2,569,925
42	W 11.68 % ROE	2016	19,116,490	504,054	2,717,165	73,449,702	1,915,127	10,418,379	13,165,512	342,972	1,867,140	17,014,619	444,403	2,414,181
43	W Increased ROE	2016	19,116,490	504,054	2,717,165	73,449,702	1,915,127	10,418,379	13,165,512	342,972	1,867,140	17,014,619	444,403	2,414,181

**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016**

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Somerville-Bridgewater Reconstructor (B0668)			New Essex-Kearny 138 kV circuit and Kearny 138 kV bus tie (B0814)			Salem 500 kV breakers (B1410-B1415)			230kV Lawrence Switching Station Upgrade (B1228)			
		Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
12	Useful life of the project	42			42			42			42			
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"	No	No	0	No	No	0	No	No	0	No	No	0	
14	Input the allowed increase in ROE	0			0			0			0			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.58%			11.58%			11.58%			11.58%			
16	Line 14 plus (line 5 times line 15)/100	11.58%			11.58%			11.58%			11.58%			
17	Service Account 101 or 106 if not yet classified - End of year balance	6,390,403			46,073,296			16,316,117			22,040,646			
18	Line 17 divided by line 12	152.152			1,096,983			388,479			524,777			
19	Months in service for depreciation expense from Attachment 6	13.00			13.00			13.00			13.00			
20	Year placed in Service (0 if CWIP)	2012			2012			2011			2013			
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011							2,640,253	9,537	73,000			
33	W Increased ROE	2011							2,640,253	9,537	73,000			
34	W 11.68 % ROE	2012	4,404,012	57,853	422,751	22,800,866	123,008	898,857	7,275,941	108,279	790,336			
35	W Increased ROE	2012	4,404,012	57,853	422,751	22,800,866	123,008	898,857	7,275,941	108,279	790,336			
36	W 11.68 % ROE	2013	6,291,725	151,180	1,025,313	45,385,800	1,083,543	7,389,162	9,926,683	192,972	1,305,797	22,127,065	248,542	1,698,840
37	W Increased ROE	2013	6,291,725	151,180	1,025,313	45,385,800	1,083,543	7,389,162	9,926,683	192,972	1,305,797	22,127,065	248,542	1,698,840
38	W 11.68 % ROE	2014	6,181,332	152,152	913,777	44,747,660	1,094,148	6,607,679	15,445,872	289,093	1,755,636	21,792,104	524,777	3,209,866
39	W Increased ROE	2014	6,181,332	152,152	913,777	44,747,660	1,094,148	6,607,679	15,445,872	289,093	1,755,636	21,792,104	524,777	3,209,866
40	W 11.68 % ROE	2015	5,989,364	151,180	880,154	43,605,982	1,092,466	6,399,809	15,622,924	385,269	2,286,756	21,341,402	524,777	3,122,268
41	W Increased ROE	2015	5,989,364	151,180	880,154	43,605,982	1,092,466	6,399,809	15,622,924	385,269	2,286,756	21,341,402	524,777	3,122,268
42	W 11.68 % ROE	2016	5,878,038	152,152	832,651	42,680,131	1,096,983	6,038,051	15,330,967	388,479	2,163,341	20,742,550	524,777	2,926,137
43	W Increased ROE	2016	5,878,038	152,152	832,651	42,680,131	1,096,983	6,038,051	15,330,967	388,479	2,163,341	20,742,550	524,777	2,926,137

**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

*The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.*

10	Details	Bergen Substation Transformer (B1082)			Branchburg-Middlesex Switch Rack (B1155)			Aldene-Springfield Rd. Conversion (B1399)			Upgrade Camden-Richmond 230kV Circuit (B1590)			
		Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
12	Useful life of the project	42			42			42			42			
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
14	Input the allowed increase in ROE	0			0			0			0			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.68%			11.58%			11.58%			11.58%			
16	Line 14 plus (line 5 times line 15)/100	11.58%			11.58%			11.58%			11.58%			
17	Service Account 101 or 106 if not yet classified - End of year balance	-			68,260,260			71,564,861			10,901,749			
18	Line 17 divided by line 12	-			1,625,244			1,703,925			259,565			
19	Months in service for depreciation expense from Attachment 6	-			13.00			13.00			13.00			
20	Year placed in Service (0 if CWIP)	-			2013			2014			2014			
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013				20,876,286	101,812	695,908						
37	W Increased ROE	2013				20,876,286	101,812	695,908						
38	W 11.68 % ROE	2014				60,374,269	1,439,907	8,878,852	68,405,611	556,909	3,438,903	7,389,782	37,992	234,599
39	W Increased ROE	2014				60,374,269	1,439,907	8,878,852	68,405,611	556,909	3,438,903	7,389,782	37,992	234,599
40	W 11.68 % ROE	2015				37,378,572	908,985	5,458,382	33,025,871	799,927	4,819,551			
41	W Increased ROE	2015				37,378,572	908,985	5,458,382	33,025,871	799,927	4,819,551			
42	W 11.68 % ROE	2016				65,809,557	1,625,244	9,243,999	70,208,024	1,703,925	9,831,890	10,863,757	259,565	1,517,260
43	W Increased ROE	2016				65,809,557	1,625,244	9,243,999	70,208,024	1,703,925	9,831,890	10,863,757	259,565	1,517,260



**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	Formula Line		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects. Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Susquehanna Roseland Breakers (b0489.5-B0489.15)			Susquehanna Roseland - 500KV (B0489.4)			Susquehanna Roseland - 500KV (B0489)			Burlington - Camden 230KV Conversion (B1156)		
		Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
11	"Yes" if a project under PJM CATT Schedule 12, otherwise "No"												
12	Schedule 12 (Yes or No)	Yes			Yes			Yes			Yes		
13	Useful life of the project	42			42			42			42		
14	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, Otherwise "No"	No			No			No			No		
15	Input the allowed increase in ROE	125			125			125			0		
16	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.58%			11.58%			11.58%			11.58%		
17	Line 14 plus (line 5 times line 15)/100	12.44%			12.44%			12.44%			11.58%		
18	Service Account 101 or 106 if not yet classified - End of year balance	5,857,687			40,538,248			723,503,148			354,730,847		
19	Line 17 divided by line 12	139,469			965,196			17,226,265			8,445,973		
20	Months in service for depreciation expense from Attachment 6 Year placed in Service (0 if CWIP)	13.00			13.00			13.00			13.00		
21		2010			2011			2012			2011		
22													
23	Invest Yr												
24	W 11.68 % ROE												
25	W Increased ROE												
26	W 11.68 % ROE												
27	W Increased ROE												
28	W 11.68 % ROE												
29	W Increased ROE												
30	W 11.68 % ROE	2,662,585	7,802	70,915									
31	W Increased ROE	2,662,585	7,802	70,915									
32	W 11.68 % ROE	5,849,885	116,061	966,188	7,844,331	111,778	905,525				19,902,939	147,204	1,150,144
33	W Increased ROE	5,849,885	116,061	1,014,845	7,844,331	111,778	952,449				19,902,939	147,204	1,150,144
34	W 11.68 % ROE	5,733,823	139,469	1,000,541	7,628,074	184,491	1,331,330	4,694,511	8,598	62,828	19,848,511	475,501	3,452,558
35	W Increased ROE	5,733,823	139,469	1,051,531	7,628,074	184,491	1,399,243	4,694,511	8,598	66,040	19,848,511	475,501	3,452,558
36	W 11.68 % ROE	5,594,354	139,469	916,713	6,391,895	159,242	1,047,292	25,426,870	605,606	4,138,257	118,115,741	2,827,106	19,237,368
37	W Increased ROE	5,594,354	139,469	967,047	6,391,895	159,242	1,104,801	25,426,870	605,606	4,367,027	118,115,741	2,827,106	19,237,368
38	W 11.68 % ROE	5,454,886	139,469	811,586	4,082,737	717,210	4,387,056	666,963,000	10,160,548	62,692,814	333,325,376	6,107,990	37,392,933
39	W Increased ROE	5,454,886	139,469	859,361	4,082,737	717,210	4,647,913	666,963,000	10,160,548	66,426,879	333,325,376	6,107,990	37,392,933
40	W 11.68 % ROE	5,315,417	139,469	786,415	39,413,941	965,196	5,762,321	718,988,609	16,720,459	101,351,556	327,911,640	8,048,113	47,958,686
41	W Increased ROE	5,315,417	139,469	832,840	39,413,941	965,196	6,106,563	718,988,609	16,720,459	107,424,698	327,911,640	8,048,113	47,958,686
42	W 11.68 % ROE	5,175,948	139,469	738,687	38,400,330	965,196	5,410,793	696,007,937	17,226,265	97,802,922	337,124,933	8,445,973	47,474,838
43	W Increased ROE	5,175,948	139,469	783,397	38,400,330	965,196	5,742,497	696,007,937	17,226,265	103,815,086	337,124,933	8,445,973	47,474,838

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details		Mickleton-Gloucester-Camden(B1398-B1398.7)			North Central Reliability (West Orange Conversion (B1154)			Northeast Grid Reliability Project (B1304.1-B1304.4)			Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10)		
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12 (Yes or No)	Yes		Yes		Yes		Yes		Yes			
12	Useful life of the project	Life	42		42		42		42		42			
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			
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0		0		25		25		0			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.68% ROE	11.58%		11.58%		11.58%		11.58%		11.58%			
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%		11.58%		11.75%		11.58%		11.58%			
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	427,957,348		388,260,297		841,681,806		153,976,178		153,976,178			
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	10,189,461		8,768,102		20,040,043		3,666,099		3,666,099			
19	Months in service for depreciation expense from Attachment 6		12.99		13.00		11.50		7.04		7.04			
20	Year placed in Service (0 if CWIP)		2013		2012		2013		2015		2015			
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012				16,441,748	30,113	220,046						
35	W Increased ROE	2012				16,441,748	30,113	220,046						
36	W 11.68 % ROE	2013	777,714	1,424	9,736	257,640,264	6,135,009	41,929,935	23,466,022	86,647	592,253			
37	W Increased ROE	2013	777,714	1,424	9,736	257,640,264	6,135,009	41,929,935	23,466,022	86,647	598,801			
38	W 11.68 % ROE	2014	83,696,796	854,944	5,279,191	360,673,484	7,742,354	47,135,528	274,113,325	2,382,627	14,708,781			
39	W Increased ROE	2014	83,696,796	854,944	5,279,191	360,673,484	7,742,354	47,135,528	274,113,325	2,382,627	14,884,013			
40	W 11.68 % ROE	2015	411,828,630	7,077,175	43,254,699	356,261,842	8,782,756	52,036,324	744,741,989	10,657,466	65,130,424	7,600,000	27,839	170,148
41	W Increased ROE	2015	411,828,630	7,077,175	43,254,699	356,261,842	8,782,756	52,036,324	744,741,989	10,657,466	65,912,222	7,600,000	27,839	170,148
42	W 11.68 % ROE	2016	420,023,804	10,185,340	58,791,720	345,570,065	8,768,102	48,774,658	828,555,066	17,720,856	102,541,677	153,948,340	1,985,885	11,640,166
43	W Increased ROE	2016	420,023,804	10,185,340	58,791,720	345,570,065	8,768,102	48,774,658	828,555,066	17,720,856	103,807,445	153,948,340	1,985,885	11,640,166

Public Service Electric and Gas Company  
ATTACHMENT H-10A  
Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
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3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

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Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details		Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21)			Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22)			Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90)			Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades (B2436.91)								
			Yes	No	0	11.58%	11.58%	11.58%	11.58%	19,694,890	468,926	7.00	2016	Yes	No	0	11.58%	11.58%	11.58%	19,694,915
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12 (Yes or No)	Yes			Yes			Yes			Yes								
12	Useful life of the project	Life	42			42			42			42								
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								
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0			0			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	11.58%			11.58%			11.58%			11.58%								
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%			11.58%			11.58%			11.58%								
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	19,694,890			19,694,890			27,239,122			19,694,915								
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	468,926			468,926			648,551			468,927								
19	Months in service for depreciation expense from Attachment 6		7.00			7.00			7.00			7.00								
20	Year placed in Service (0 if CWIP)		2016			2016			2016			2016								
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue						
22	W 11.68 % ROE	2006																		
23	W Increased ROE	2006																		
24	W 11.68 % ROE	2007																		
25	W Increased ROE	2007																		
26	W 11.68 % ROE	2008																		
27	W Increased ROE	2008																		
28	W 11.68 % ROE	2009																		
29	W Increased ROE	2009																		
30	W 11.68 % ROE	2010																		
31	W Increased ROE	2010																		
32	W 11.68 % ROE	2011																		
33	W Increased ROE	2011																		
34	W 11.68 % ROE	2012																		
35	W Increased ROE	2012																		
36	W 11.68 % ROE	2013																		
37	W Increased ROE	2013																		
38	W 11.68 % ROE	2014																		
39	W Increased ROE	2014																		
40	W 11.68 % ROE	2015																		
41	W Increased ROE	2015																		
42	W 11.68 % ROE	2016	19,694,890	252,499	1,480,230	19,694,890	252,499	1,480,230	27,239,122	349,220	2,047,240	19,694,915	252,499	1,480,232						
43	W Increased ROE	2016	19,694,890	252,499	1,480,230	19,694,890	252,499	1,480,230	27,239,122	349,220	2,047,240	19,694,915	252,499	1,480,232						

Public Service Electric and Gas Company  
ATTACHMENT H-6A  
Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93% which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)			New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)			Upgrade Eagle Point-Gloucesterc 230kV Circuit (B1588)			Mickleton-Gloucesterc 230kV Circuit (B2139)			
		Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
12	Useful life of the project	42			42			42			42			
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0	
14	Input the allowed increase in ROE	11.68%			11.68%			11.68%			11.68%			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.58%			11.58%			11.58%			11.58%			
16	Line 14 plus (line 5 times line 15)/100	11.58%			11.58%			11.58%			11.58%			
17	Service Account 101 or 106 if not yet classified - End of year balance	25,264,003			25,264,003			11,954,175			18,237,729			
18	Line 17 divided by line 12	601,524			601,524			284,623			434,232			
19	Months in service for depreciation expense from Attachment 6	7.00			7.00			13.00			13.00			
20	Year placed in Service (0 if CWIP)	2016			2016			2015			2015			
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013												
37	W Increased ROE	2013												
38	W 11.68 % ROE	2014												
39	W Increased ROE	2014												
40	W 11.68 % ROE	2015							10,157,273	123,958	757,614	13,755,622	176,354	1,077,855
41	W Increased ROE	2015							10,157,273	123,958	757,614	13,755,622	176,354	1,077,855
42	W 11.68 % ROE	2016	25,264,003	323,897	1,898,794	25,264,003	323,897	1,898,794	11,830,218	284,623	1,654,204	18,061,375	434,232	2,525,192
43	W Increased ROE	2016	25,264,003	323,897	1,898,794	25,264,003	323,897	1,898,794	11,830,218	284,623	1,654,204	18,061,375	434,232	2,525,192

**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
**Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016**

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012. For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Ridge Road 69kV Breaker Station (B1255)		Cox's Corner-Lumberton 230kV Circuit (B1787)		Sewaren Switch 230kV Conversion (B2276)		Susquehanna Roseland < 500kV (B0489.4) (CWIP)	
		Yes	42	Yes	42	Yes	42	Yes	42
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	42	Yes	42	Yes	42
12	Useful life of the project	Life	(Yes or No)	Yes	42	Yes	42	Yes	42
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	
14	Input the allowed increase in ROE	Increased ROE (Basis Points)		0		0		125	
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.68% ROE		11.58%		11.58%		11.58%	
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project		11.58%		11.58%		12.44%	
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment		33,764,108		33,763,562		112,005,777	
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp		803,907		803,894		2,666,804	
19	Months in service for depreciation expense from Attachment 6			7.82		11.38		7.88	
20	Year placed in Service (0 if CWIP)			2016		2015		2015	
21		Invest Yr		Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006							
23	W Increased ROE	2006							
24	W 11.68 % ROE	2007							
25	W Increased ROE	2007							
26	W 11.68 % ROE	2008							
27	W Increased ROE	2008							
28	W 11.68 % ROE	2009						8,601,534	794,647
29	W Increased ROE	2009						8,601,534	833,737
30	W 11.68 % ROE	2010						10,121,290	1,719,499
31	W Increased ROE	2010						10,121,290	1,811,185
32	W 11.68 % ROE	2011						30,831,150	3,376,923
33	W Increased ROE	2011						30,831,150	3,565,874
34	W 11.68 % ROE	2012						38,077,851	5,359,127
35	W Increased ROE	2012						38,077,851	5,676,479
36	W 11.68 % ROE	2013						40,538,248	5,381,625
37	W Increased ROE	2013						40,538,248	5,730,133
38	W 11.68 % ROE	2014						12,476,737	1,537,307
39	W Increased ROE	2014						12,476,737	1,646,580
40	W 11.68 % ROE	2015		31,269,172	389,350	2,379,660			
41	W Increased ROE	2015		31,269,172	389,350	2,379,660			
42	W 11.68 % ROE	2016		33,374,758	483,594	2,807,871	33,763,562	703,781	4,125,793
43	W Increased ROE	2016		33,374,758	483,594	2,807,871	33,763,562	703,781	4,125,793

Public Service Electric and Gas Company  
 ATTACHMENT H-6A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details		Susquehanna Roseland >= 500KV (B0489) (CWIP)			North Central Reliability (West Orange Conversion) (B1154) (CWIP)			Mickleton-Gloucestercamden(B1398-B1398.7) (CWIP)			Mickleton-Gloucestercamden Breakers (B1398.15-B1398.19) (CWIP)		
	Schedule 12 (Yes or No)	Life	Yes	No	11.68% ROE	Yes	No	11.58%	Yes	No	11.58%	Yes	No	11.58%
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"		Yes	No	11.68% ROE	Yes	No	11.58%	Yes	No	11.58%	Yes	No	11.58%
12	Useful life of the project	Life	42			42			42			42		
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		
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	125			0			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	11.58%			11.58%			11.58%			11.58%		
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	12.44%			11.58%			11.58%			11.58%		
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	-			-			-			-		
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	-			-			-			-		
19	Months in service for depreciation expense from Attachment 6		-			-			-			-		
20	Year placed in Service (0 if CWIP)		-			-			-			-		
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008	8,927,082		819,421									
27	W Increased ROE	2008	8,927,082		858,682									
28	W 11.68 % ROE	2009	33,993,795		3,927,226									
29	W Increased ROE	2009	33,993,795		4,120,411									
30	W 11.68 % ROE	2010	83,961,998		10,780,919									
31	W Increased ROE	2010	83,961,998		11,355,769									
32	W 11.68 % ROE	2011	133,618,838		19,674,374	19,588,655		1,299,846	1,648,851		56,106			
33	W Increased ROE	2011	133,618,838		20,775,227	19,588,655		1,299,846	1,648,851		56,106			
34	W 11.68 % ROE	2012	264,235,891		27,190,938	139,052,337		10,137,161	22,706,717		1,587,335	532,375		24,600
35	W Increased ROE	2012	264,235,891		28,801,108	139,052,337		10,137,161	22,706,717		1,587,335	532,375		24,600
36	W 11.68 % ROE	2013	567,928,477		56,420,758	79,292,223		21,408,869	117,558,986		7,924,475	532,375		73,965
37	W Increased ROE	2013	567,928,477		60,074,507	79,292,223		21,408,869	117,558,986		7,924,475	532,375		73,965
38	W 11.68 % ROE	2014	34,481,067		28,945,163	31,617,517		3,895,715	160,260,925		16,099,944	532,375		65,596
39	W Increased ROE	2014	34,481,067		31,002,624	31,617,517		3,895,715	160,260,925		16,099,944	532,375		65,596
40	W 11.68 % ROE	2015	18,053,234		2,197,284				83,162,211		10,121,786	245,712		29,906
41	W Increased ROE	2015	18,053,234		2,354,961				83,162,211		10,121,786	245,712		29,906
42	W 11.68 % ROE	2016												
43	W Increased ROE	2016												

Public Service Electric and Gas Company  
ATTACHMENT 14-10A  
Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects. Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Burlington - Camden 230kV Conversion (B1156) (CWIP)			Burlington - Camden 230kV Conversion (B1156.13-B1156.20) (CWIP)			Northeast Grid Reliability Project (B1304.1-B1304.4) (CWIP)			Northeast Grid Reliability Project (B1304.5-B1304.21) (CWIP)			
		Yes	No	0	11.58%	11.58%	11.58%	11.75%	11.58%	11.75%	11.58%	11.75%		
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes			Yes			Yes			Yes			
12	Useful life of the project	42			42			42			42			
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"	No			No			No			No			
14	Input the allowed increase in ROE	0			0			25			25			
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.58%			11.58%			11.58%			11.58%			
16	Line 14 plus (line 5 times line 15)/100	11.58%			11.58%			11.75%			11.75%			
17	Service Account 101 or 106 if not yet classified - End of year balance	-			-			72,001,234			3,028,455			
18	Line 17 divided by line 12	-			-			1,714,315			72,106			
19	Months in service for depreciation expense from Attachment 6	-			-			13.00			13.00			
20	Year placed in Service (0 if CWIP)													
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011	22,089,378		1,874,440									
33	W Increased ROE	2011	22,089,378		1,874,440									
34	W 11.68 % ROE	2012	128,653,138		10,501,318	9,231,712	791,084		81,587,177	6,341,372		5,537,185		457,198
35	W Increased ROE	2012	128,653,138		10,501,318	9,231,712	791,084		81,587,177	6,416,475		5,537,185		462,613
36	W 11.68 % ROE	2013	155,344,760		22,819,788	8,854,018	1,275,855	184,611,449	18,512,179	18,052,410		1,627,531		1,648,610
37	W Increased ROE	2013	155,344,760		22,819,788	8,854,018	1,275,855	184,611,449	18,751,945	18,052,410		1,648,610		1,648,610
38	W 11.68 % ROE	2014	56,976,438		7,020,285	3,745,932	461,551	211,553,988	28,743,491	33,293,621		3,699,551		3,699,551
39	W Increased ROE	2014	56,976,438		7,020,285	3,745,932	461,551	211,553,988	29,152,116	33,293,621		3,752,145		3,752,145
40	W 11.68 % ROE	2015						129,109,243	15,714,062	25,032,697		3,046,764		3,046,764
41	W Increased ROE	2015						129,109,243	15,939,591	25,032,697		3,090,491		3,090,491
42	W 11.68 % ROE	2016						72,001,234	8,335,564	3,028,455		350,603		350,603
43	W Increased ROE	2016						72,001,234	8,459,954	3,028,455		355,835		355,835

1	New Plant Carrying Charge			Page 14 of 19
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>			
		Formula Line		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%
			The FCR resulting from Formula in a given year is used for that year only.	
			Therefore actual revenues collected in a year do not change based on cost data for subsequent years.	
8			Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.	
9			For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects. Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.	

10	Details	Schedule 12 Life (Yes or No)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (CWIP)			Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (CWIP)			Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (CWIP)			Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (CWIP)		
			Yes	No	Increased ROE (Basis Points)	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"		Yes			Yes			Yes			Yes		
12	Useful life of the project		42			42			42			42		
13	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29, otherwise "No"		No			No			No			No		
14	Input the allowed increase in ROE		0			0			0			0		
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13		11.58%			11.58%			11.58%			11.58%		
16	Line 14 plus (line 5 times line 15)/100		11.58%			11.58%			11.58%			11.58%		
17	Service Account 101 or 106 if not yet classified - End of year balance		3,108,397			19,887,254			5,133,133			46,154,190		
18	Line 17 divided by line 12		74,009			473,506			122,217			1,098,909		
19	Months in service for depreciation expense from Attachment 6		210.49			8.05			23.30			7.02		
20	Year placed in Service (0 if CWIP)													
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013												
37	W Increased ROE	2013												
38	W 11.68 % ROE	2014	9,496,612	391,383		1,589,541	61,526		1,531,032	58,653		2,114,342	74,197	
39	W Increased ROE	2014	9,496,612	391,383		1,589,541	61,526		1,531,032	58,653		2,114,342	74,197	
40	W 11.68 % ROE	2015	32,184,737	1,789,839		7,086,018	435,427		7,014,415	429,818		6,990,065	519,891	
41	W Increased ROE	2015	32,184,737	1,789,839		7,086,018	435,427		7,014,415	429,818		6,990,065	519,891	
42	W 11.68 % ROE	2016	3,108,397	5,826,722		19,887,254	1,426,555		5,133,133	1,064,877		46,154,190	2,887,183	
43	W Increased ROE	2016	3,108,397	5,826,722		19,887,254	1,426,555		5,133,133	1,064,877		46,154,190	2,887,183	



**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge		
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>		
		Formula Line	
3	A	152	Net Plant Carrying Charge without Depreciation 11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation 12.27%
5	C		Line B less Line A 0.69%
6	<b>FCR if a CIAC</b>		
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes 1.90%
			<i>The FCR resulting from Formula in a given year is used for that year only.</i>
			<i>Therefore actual revenues collected in a year do not change based on cost data for subsequent years.</i>
8			<i>Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.</i>
9			<i>For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.</i>

10	Details		Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (CWIP)			Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (CWIP)			Relocate the underground portion of North Ave Linden "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.60) (CWIP)			Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (CWIP)		
			Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12 (Yes or No)	Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0
12	Useful life of the project	Life	42			42			42			42		
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		
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0			0			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	11.58%			11.58%			11.58%			11.58%		
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%			11.58%			11.58%			11.58%		
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	31,456,933			29,153,435			13,451,622			32,115,662		
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	748,975			694,129			320,277			764,659		
19	Months in service for depreciation expense from Attachment 6		5.84			5.97			8.41			6.27		
20	Year placed in Service (0 if CWIP)													
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013												
37	W Increased ROE	2013												
38	W 11.68 % ROE	2014	1,476,460	58,912		838,906	41,991		433,918	21,259		1,370,003	56,093	
39	W Increased ROE	2014	1,476,460	58,912		838,906	41,991		433,918	21,259		1,370,003	56,093	
40	W 11.68 % ROE	2015	6,370,913	298,854		2,485,441	164,003		560,875	34,539		3,398,194	271,319	
41	W Increased ROE	2015	6,370,913	298,854		2,485,441	164,003		560,875	34,539		3,398,194	271,319	
42	W 11.68 % ROE	2016	31,456,933	1,636,015		29,153,435	1,549,513		13,451,622	1,007,913		32,115,662	1,793,514	
43	W Increased ROE	2016	31,456,933	1,636,015		29,153,435	1,549,513		13,451,622	1,007,913		32,115,662	1,793,514	

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	Schedule 12 (Yes or No)	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades (B2436.81) (CWIP)			Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (CWIP)			Convert the Bayway - Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIP)			Convert the Bayway - Linden "M" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIP)		
			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
11	Useful life of the project	Life	42	42	42	42	42	42	42	42	42	42	42	42
12	"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	No
13	Input the allowed increase in ROE	Increased ROE (Basis Points)	0	0	0	0	0	0	0	0	0	0	0	0
14	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.68% ROE	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%
15	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%	11.58%
16	Service Account 101 or 106 if not yet classified - End of year balance	Investment	16,422,638	16,422,638	16,422,638	16,422,638	17,333,648	17,333,648	17,333,648	17,333,648	17,333,648	17,333,648	17,333,648	17,333,648
17	Line 17 divided by line 12	Annual Depreciation or Amort Exp	391,015	391,015	391,015	391,015	412,706	412,706	412,706	412,706	412,706	412,706	412,706	412,706
18	Months in service for depreciation expense from Attachment 6		7.65	7.65	7.65	7.65	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27
19	Year placed in Service (0 if CWIP)													
20														
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013												
37	W Increased ROE	2013												
38	W 11.68 % ROE	2014	597,317		24,145	597,317		24,145	569,297		24,114	569,297		24,114
39	W Increased ROE	2014	597,317		24,145	597,317		24,145	569,297		24,114	569,297		24,114
40	W 11.68 % ROE	2015	3,791,995		208,938	3,791,995		208,938	3,803,715		209,880	3,803,715		209,880
41	W Increased ROE	2015	3,791,995		208,938	3,791,995		208,938	3,803,715		209,880	3,803,715		209,880
42	W 11.68 % ROE	2016	16,422,638		1,119,514	16,422,638		1,119,514	17,333,648		1,276,434	17,333,648		1,276,434
43	W Increased ROE	2016	16,422,638		1,119,514	16,422,638		1,119,514	17,333,648		1,276,434	17,333,648		1,276,434

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge			
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>	<b>Formula Line</b>		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	C		Line B less Line A	0.69%
6	<b>FCR if a CIAC</b>			
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%

The FCR resulting from Formula in a given year is used for that year only.  
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years.  
 Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.  
 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.

10	Details	(Yes or No)	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIP)			Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades (B2436.91) (CWIP)			New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIP)			New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIP)		
			Yes	No	0	Yes	No	0	Yes	No	0	Yes	No	0
11	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life	42			42			42			42		
13	CIAC	(Yes or No)	No			No			No			No		
14	Increased ROE (Basis Points)		0			0			0			0		
15	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
16	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
17	Investment		906,569			715,475			2,285,677			2,524,127		
18	Annual Depreciation or Amort Exp		21,585			17,035			54,421			60,098		
19	Months in service for depreciation expense from Attachment 6		134.00			135.56			65.18			58.89		
20	Year placed in Service (0 if CWIP)													
21		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
22	W 11.68 % ROE	2006												
23	W Increased ROE	2006												
24	W 11.68 % ROE	2007												
25	W Increased ROE	2007												
26	W 11.68 % ROE	2008												
27	W Increased ROE	2008												
28	W 11.68 % ROE	2009												
29	W Increased ROE	2009												
30	W 11.68 % ROE	2010												
31	W Increased ROE	2010												
32	W 11.68 % ROE	2011												
33	W Increased ROE	2011												
34	W 11.68 % ROE	2012												
35	W Increased ROE	2012												
36	W 11.68 % ROE	2013												
37	W Increased ROE	2013												
38	W 11.68 % ROE	2014	1,581,597		63,898	1,286,903		48,434	4,799,334		220,160	5,002,105		223,171
39	W Increased ROE	2014	1,581,597		63,898	1,286,903		48,434	4,799,334		220,160	5,002,105		223,171
40	W 11.68 % ROE	2015	6,978,388		428,764	6,748,815		409,201	13,083,452		881,430	13,083,452		881,430
41	W Increased ROE	2015	6,978,388		428,764	6,748,815		409,201	13,083,452		881,430	13,083,452		881,430
42	W 11.68 % ROE	2016	906,569		1,081,821	715,475		863,750	2,285,677		1,326,708	2,524,127		1,323,679
43	W Increased ROE	2016	906,569		1,081,821	715,475		863,750	2,285,677		1,326,708	2,524,127		1,323,679

Public Service Electric and Gas Company  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1		New Plant Carrying Charge				Page 18 of 19
2		<b>Fixed Charge Rate (FCR) if not a CIAC</b>				
		Formula Line				
3	A	152	Net Plant Carrying Charge without Depreciation		11.58%	
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		12.27%	
5	C		Line B less Line A		0.69%	
6		<b>FCR if a CIAC</b>				
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		1.90%	
			The FCR resulting from Formula in a given year is used for that year only.			
			Therefore actual revenues collected in a year do not change based on cost data for subsequent years.			
8			Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.			
9			For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.			

10	Details		New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIP)			New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIP)			New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIP)			New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIP)						
			Yes	No	CIAC	Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"	Schedule 12 (Yes or No)	Yes						Yes				Yes					
12	Useful life of the project	Life	42						42				42					
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					
14	Input the allowed increase in ROE	Increased ROE (Basis Points)	0						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	11.58%						11.58%				11.58%					
16	Line 14 plus (line 5 times line 15)/100	FCR for This Project	11.58%						11.58%				11.58%					
17	Service Account 101 or 106 if not yet classified - End of year balance	Investment	7,543,949						7,544,669				16,168,432					3,913,246
18	Line 17 divided by line 12	Annual Depreciation or Amort Exp	179,618						179,635				384,963					93,173
19	Months in service for depreciation expense from Attachment 6		9.52						9.52				5.92					4.19
20	Year placed in Service (0 if CWIP)																	
21		Invest Yr																
22	W 11.68 % ROE	2006																
23	W Increased ROE	2006																
24	W 11.68 % ROE	2007																
25	W Increased ROE	2007																
26	W 11.68 % ROE	2008																
27	W Increased ROE	2008																
28	W 11.68 % ROE	2009																
29	W Increased ROE	2009																
30	W 11.68 % ROE	2010																
31	W Increased ROE	2010																
32	W 11.68 % ROE	2011																
33	W Increased ROE	2011																
34	W 11.68 % ROE	2012																
35	W Increased ROE	2012																
36	W 11.68 % ROE	2013																
37	W Increased ROE	2013																
38	W 11.68 % ROE	2014	123,509	4,946		124,051	4,952		337,481	13,854		133,460	5,677					
39	W Increased ROE	2014	123,509	4,946		124,051	4,952		337,481	13,854		133,460	5,677					
40	W 11.68 % ROE	2015	300,607	14,347		300,607	14,347		3,392,144	187,534		148,687	12,403					
41	W Increased ROE	2015	300,607	14,347		300,607	14,347		3,392,144	187,534		148,687	12,403					
42	W 11.68 % ROE	2016	7,543,949	639,295		7,544,669	639,379		16,168,432	851,765		3,913,246	145,981					
43	W Increased ROE	2016	7,543,949	639,295		7,544,669	639,379		16,168,432	851,765		3,913,246	145,981					

**Public Service Electric and Gas Company**  
 ATTACHMENT H-10A  
 Attachment 7 - Transmission Enhancement Charges Worksheet (TEC) - December 31, 2016

1	New Plant Carrying Charge				Page 19 of 19
2	<b>Fixed Charge Rate (FCR) if not a CIAC</b>				
		Formula Line			
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%	
4	B	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%	
5	C		Line B less Line A	0.69%	
6	<b>FCR if a CIAC</b>				
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%	
			The FCR resulting from Formula in a given year is used for that year only.		
			Therefore actual revenues collected in a year do not change based on cost data for subsequent years.		
8			Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Project is 11.93%, which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 2012.		
9			For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17 is the 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.		

10	Details		BRH Project (B0829-B0830) Abandoned				Invest Yr	Depreciation or Amortization Revenue			Total	Incentive Charged	Revenue Credit		
	Schedule 12 (Yes or No)	Life	CIAC (Yes or No)	Increased ROE (Basis Points)	11.68% ROE	FCR for This Project		Ending	Amortization	Revenue					
11	Yes	1	No	0	0.00%	0.00%									
12	Useful life of the project														
13	Otherwise "No"														
14	Input the allowed increase in ROE														
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13														
16	Line 14 plus (line 5 times line 15)/100														
17	Service Account 101 or 106 if not yet classified - End of year balance														
18	Line 17 divided by line 12														
19	Months in service for depreciation expense from Attachment 6														
20	Year placed in Service (0 if CWIP)														
21															
22	W 11.68 % ROE	2006								\$ 4,652,471	\$ 4,652,471	\$ 4,652,471	\$ -		
23	W Increased ROE	2006								\$ 4,652,471	\$ 4,652,471	\$ 4,652,471	\$ -		
24	W 11.68 % ROE	2007								\$ 29,476,571	\$ 29,476,571	\$ 29,476,571	\$ -		
25	W Increased ROE	2007								\$ 29,476,571	\$ 29,476,571	\$ 29,476,571	\$ -		
26	W 11.68 % ROE	2008								\$ 32,346,385	\$ 32,346,385	\$ 32,346,385	\$ -		
27	W Increased ROE	2008								\$ 32,385,646	\$ 32,385,646	\$ 32,385,646	\$ 39,261		
28	W 11.68 % ROE	2009								\$ 51,356,608	\$ 51,356,608	\$ 51,356,608	\$ -		
29	W Increased ROE	2009								\$ 51,588,883	\$ 51,588,883	\$ 51,588,883	\$ 232,275		
30	W 11.68 % ROE	2010								\$ 61,349,032	\$ 61,349,032	\$ 61,349,032	\$ -		
31	W Increased ROE	2010								\$ 62,015,568	\$ 62,015,568	\$ 62,015,568	\$ 666,536		
32	W 11.68 % ROE	2011								\$ 78,438,322	\$ 78,438,322	\$ 78,438,322	\$ -		
33	W Increased ROE	2011								\$ 79,823,709	\$ 79,823,709	\$ 79,823,709	\$ 1,385,386		
34	W 11.68 % ROE	2012								\$ 129,728,618	\$ 129,728,618	\$ 129,728,618	\$ -		
35	W Increased ROE	2012								\$ 131,858,773	\$ 131,858,773	\$ 131,858,773	\$ 2,130,155		
36	W 11.68 % ROE	2013								\$ 279,708,533	\$ 279,708,533	\$ 279,708,533	\$ -		
37	W Increased ROE	2013								\$ 284,314,797	\$ 284,314,797	\$ 284,314,797	\$ 4,606,265		
38	W 11.68 % ROE	2014								\$ 342,977,142	\$ 342,977,142	\$ 342,977,142	\$ -		
39	W Increased ROE	2014								\$ 349,823,024	\$ 349,823,024	\$ 349,823,024	\$ 6,845,883		
40	W 11.68 % ROE	2015								\$ 434,277,698	\$ 434,277,698	\$ 434,277,698	\$ -		
41	W Increased ROE	2015								\$ 441,950,239	\$ 441,950,239	\$ 441,950,239	\$ 7,672,541		
42	W 11.68 % ROE	2016								\$ 522,903,602	\$ 522,903,602	\$ 522,903,602	\$ -		
43	W Increased ROE	2016								\$ 530,687,571	\$ 530,687,571	\$ 530,687,571	\$ 7,783,969		

**Public Service Electric and Gas Company**  
**ATTACHMENT H-10A**  
**Attachment 8 - Depreciation Rates**

<u>Plant Type</u>	<u>PSE&amp;G</u>
<b>Transmission</b>	2.40
<b>Distribution</b>	
High Voltage Distribution	2.49
Meters	2.49
Line Transformers	2.49
All Other Distribution	2.49
<b>General &amp; Common</b>	
Structures and Improvements	1.40
Office Furniture	5.00
Office Equipment	25.00
Computer Equipment	14.29
Personal Computers	33.33
Store Equipment	14.29
Tools, Shop, Garage and Other Tangible Equipment	14.29
Laboratory Equipment	20.00
Communications Equipment	10.00
Miscellaneous Equipment	14.29

Public Service Electric and Gas Company  
 Projected Costs of Plant in Forecasted Rate Base and In-Service Dates  
 12 Months Ended December 31, 2016

Required Transmission Enhancements

Upgrade ID	RTEP Baseline Project Description	Estimated/Actual Project Cost (thru 2016) *	Anticipated / Actual In-Service Date *
b0130	Replace all derated Branchburg 500/230 kv transformers	\$ 20,680,597	Jan-06
b0134	Reconductor Kittatinny - Newtown 230 kV with 1590 ACSS	\$ 8,069,022	Aug-07
b0145	Build new Essex - Aldene 230 kV cable connected through phase angle regulator at Essex	\$ 86,565,629	Aug-07
b0161	Install 230-138kV transformer at Metuchen substation	\$ 25,799,055	May-09
b0169	Build a new 230 kV section from Branchburg - Flagtown and move the Flagtown - Somerville 230 kV circuit to the new section	\$ 15,731,554	May-09
b0170	Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS	\$ 6,961,495	Nov-08
b0172.2	Replace wave trap at Branchburg 500kV substation	\$ 27,988	May-08
b0274	Replace both 230/138 kV transformers at Roseland	\$ 21,073,706	May-09
b0290	Branchburg 400 MVAR Capacitor	\$ 80,435,315	Apr-12
b0411	Install 4th 500/230 kV transformer at New Freedom	\$ 22,188,863	Feb-07
b0472	Saddle Brook - Athena Upgrade Cable	\$ 14,404,842	May-12
b0489	Build new 500 kV transmission facilities from Pennsylvania - New Jersey border at Bushkill to Roseland (500kV and above elements of the project)	\$ 723,503,148	Dec-12
b0489.4	Build new 500 kV transmission facilities from Pennsylvania - New Jersey border at Bushkill to Roseland (Below 500 kV elements of the project)	\$ 40,538,248	May-11
b0489.5-b0489.15	Susquehanna Roseland Breakers	\$ 5,857,687	Nov-10
b0498	Loop the 5021 circuit into New Freedom 500 kV substation	\$ 27,005,248	Nov-08
b0664-b0665	Branchburg-Somerville-Flagtown Reconductor	\$ 18,664,931	Apr-12
b0668	Somerville -Bridgewater Reconductor	\$ 6,390,403	Apr-12
b0813	Reconductor Hudson - South Waterfront 230kV circuit	\$ 9,158,918	Dec-10
b0814	New Essex-Kearny 138 kV circuit and Kearny 138 kV bus tie	\$ 46,073,296	Oct-12
b1017	Reconductor South Mahwah 345 kV J-3410 Circuit	\$ 20,626,991	May-11
b1018	Reconductor South Mahwah 345 kV K-3411 Circuit	\$ 21,170,273	Dec-11
b1154	North Central Reliability (West Orange Conversion )	\$ 368,260,297	Dec-12
b1155	Branchburg-Middlesex Switch Rack	\$ 68,260,260	Apr-13
b1156	Burlington - Camden 230kV Conversion	\$ 354,730,847	May-11
b1228	230kV Lawrence Switching Station Upgrade	\$ 22,040,646	Dec-13
b1255	Ridge Road 69kV Breaker Station	\$ 33,764,108	May-16
b1304.1-b1304.4	Northeast Grid Reliability Project	\$ 841,681,806	Nov-13
b1398 - b1398.7	Mickleton-Gloucester-Camden	\$ 427,957,348	Dec-13
b1399	Aldene-Springfield Rd. Conversion	\$ 71,564,861	Jun-14
b1410-b1415	Replace Salem 500 kV breakers	\$ 16,316,117	Nov-11
b1588	Upgrade Eagle Point-Gloucester 230kV Circuit	\$ 11,954,175	Mar-15
b1590	Upgrade Camden-Richmond 230kV Circuit	\$ 10,901,749	Oct-14
b1787	Cox's Corner-Lumberton 230kV Circuit	\$ 33,763,562	Jun-15
b2139	Mickleton-Gloucester 230kV Circuit	\$ 18,237,729	Jun-15
b2276	Sewaren Switch 230kV Conversion	\$ 112,005,777	Jun-15
b2436.10	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades	\$ 153,976,178	Jan-16
b2436.21	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades	\$ 19,694,890	Jun-16
b2436.22	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades	\$ 19,694,890	Jun-16
b2436.90	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades	\$ 27,239,122	Jun-16
b2436.91	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades	\$ 19,694,915	Jun-16
b2437.10	New Bergen 345/230 kV transformer and any associated substation upgrades	\$ 25,264,003	Jun-16
b2437.11	New Bergen 345/138 kV transformer #1 and any associated substation upgrades	\$ 25,264,003	Jun-16
b2436.10-b2437.33	Bergen Linden Corridor (BLC) (CWIP)	\$ 289,575,343	Various