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VIA ELECTRONIC & OVERNIGHT MAIL

February 24, 2017

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

In the Matter of the Provision of Basic Generation Service for the Period Beginning June 1, 2014 -and-

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

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

Docket Nos. EO03050394, ER13050378, ER14040370, ER15040482
+++++++++++++++++++++++++++++++++++++++
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 Public Service Electric and Gas Company ("PSE&G") please find an original and ten copies of revised tariff sheets and supporting exhibits to update the initial filings made by the New Jersey Electric Distribution Companies ("EDCs") on December 17, 2015 and May 4, 2016 in the above-captioned docket (hereafter the "December 17, 2015 Filing" and the "May 4, 2016 Filing", respectively).

The attached updated tariff sheet sheets and supporting exhibits listed below implement a December 9, 2016 decision and order issued by the Federal Energy Regulatory Commission ("FERC") relating to the cost allocation of the Sewaren Regional Transmission Enhancement

Project ("Sewaren RTEP Project"). See *PJM Interconnection L.L.C.*, Order Denying Rehearing, Denying Clarification, and Rejecting a Compliance Filing, Docket No. EL14-1485-007, December 9, 2016 ("Rehearing Order"). In the Rehearing Order, FERC denied PSE&G's request for a rehearing of FERC's April 22, 2016, decision affirming FERC's prior determination to re-allocate 100% of the Sewaren Regional Transmission Enhancement Project costs to customers within the PSE&G zone. The effective date established by FERC for the reallocation of the Sewaren RTEP Project costs was May 2015. However, the Sewaren RTEP Project was not placed into service and rates until January 1, 2016.

While the impact to the reallocation of the Sewaren RTEP Project is already incorporated into the 2017 rates currently in effect, it is necessary to implement a rate adjustment to reflect the impact of the reallocation being implemented on January 1, 2016. This filing implements a twelve month mechanism to collect the Sewaren RTEP Project reallocated costs for 2016. This request is submitted pursuant to Section ¶¶ 15.9 (a)(i) and (ii) of the BGS-RSCP and BGS-CIEP Supplier Master Agreements.

It is our understanding that PJM has already billed suppliers for the 2016 increased charges attributable to the reallocation. While the 2016 increased charges in this filing are proposed to be collected from BGS customers over a twelve (12) month period, PSE&G respectfully requests that upon the issuance of a Board order approving the relief sought herein, that PSE&G be permitted to pay BGS suppliers consistent with the manner in which they were billed by PJM (i.e., a one-time payment).

The following supporting documents are enclosed:

- Attachment 1 (Derivation of PSE&G NITS Charge)
- Attachment 2a (Pro-forma PSE&G Tariff Sheets proposed to be effective April 1, 2017)
- Attachment 2b (PSE&G Translation of NITS Charge into Customer Rates)
- Attachment 3 (PSE&G Project Charges Filed December 17, 2015)
- Attachment 4 (PSE&G Project Charges Filed May 4, 2016)
- Attachment 3R (REVISED PSE&G Project Charges Filed December 17, 2015)
- Attachment 4R (REVISED PSE&G Project Charges Filed May 4, 2016)
- Attachment 5 (PSE&G FERC Formula Rate Filing October 19th, 2015)
- Attachment 6 (PJM Compliance Filing Docket No. ER14-1485-007)
- Attachment 7 (FERC Order Docket No. ER14-1485-007 Issued December 9, 2016)

PSE&G reiterates the requests for approval set forth in the EDCs' December 17, 2015 Filing and the May 4 Filing as if incorporated herein. In addition, PSE&G respectfully requests 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 January 1, 2017 pursuant to the December 9th Rehearing Order.

We thank the Board for all courtesies extended.

Respectfully submitted,

Hise DM May.

Attachments

C Thomas Walker, NJBPU
Stacy Peterson, NJBPU
Stefanie Brand, Division of Rate Counsel
Service List (via Electronic Mail Server)

In the Matter of the Provision of Basic Generation Service and Compliance Tariff Filing Reflecting Changes to Schedule 12 Charges in PJM Open Access Transmission Tariff – February 24, 2017 Filing BPU Docket No.

BOARD OF PUBLIC UTILITIES									
Thomas Walker	Richard DeRose	Stacy Peterson							
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110wark, 115 0/101									

In the Matter of the Provision of Basic Generation Service and Compliance Tariff Filing Reflecting Changes to Schedule 12 Charges in PJM Open Access Transmission Tariff – February 24, 2017 Filing BPU Docket No.

OTHER									
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,	Newark, NJ 07101	Princeton, NJ 08540							
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	Newark, NJ 07101	New York, NY 10003							
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•	Newark, DE 19714-6066	Ann Arbor, MI 48104							
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Trading Floor	Suite 200	Allentown, PA 18101							
Purchase, NY 10577	Ann Arbor, MI 48104								
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CTR/JB	Pittsburgh, PA 15221	Princeton, NJ 08540							
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White Plains, NY 10604									

In the Matter of the Provision of Basic Generation Service and Compliance Tariff Filing Reflecting Changes to Schedule 12 Charges in PJM Open Access Transmission Tariff – February 24, 2017 Filing BPU Docket No.

OTHER									
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Kim M. Durham									
Citigroup Energy Inc.									
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Suite 500									
Houston, TX 77056									

Attachment 1

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

Attachment 1 - PSE&G Network Integration Service Calculation.

Sewaren Project Allocated 0% to PSE&G Zone

Derived Network Integration Service Rate Applicable to PSE&G customers - 2016

Line #	Description	Rate (a)	Rate (b)	Source
		January - April	May - December	
				Attachment 5 PSE&G Filing-
(1)	Transmission Service Annual Revenue Requirement	\$ 1,064,228,951.56	\$ 1,064,228,951.56	Line 164
				Attachment 3 Column (a)
(2)	Total Schedule 12 TEC Included in above	\$ (520,436,728.38)	\$ (545,743,291.38)	Attachment 4 Column (a)
				Attachment 3 Column (h)
(3)	PSE&G Customer Share of Schedule 12 TEC	\$ 247,944,752.83	\$ 248,524,752.27	Attachment 4 Column (h)
(4)	Total Transmission Costs Borne by PSE&G customers	\$ 791,736,976.01	\$ 767,010,412.45	=(1) +(2) +(3)
				Attachment 5 PSE&G Filing-
(5)	2016 PSE&G Network Service Peak (MW)	9,594.9	9,594.9	Line 165
	2016 Derived Network Integration Transmission Service Rate			
(6)	(MW-Year)	\$ 82,516.44	\$ 79,939.39	= (4)/(5)
	Resulting 2016 BGS Firm Transmission Service Supplier Rate (MW-Day)	\$ 225.45	\$ 218.41	= (6)/366

Notes: (a) Filed May 4th, 2016

(b) Filed December 17th, 2015

Sewaren Project Allocated 100% to PSE&G Zone

Derived Network Integration Service Rate Applicable to PSE&G customers - 2016

	Derived Network integration betvice Nate Applicable to FBE&G custom	1013			
Line #	Description		Revised Rate	Revised Rate	Source
			January - April	May - December	
					Attachment 5 PSE&G Filing-
(1)	Transmission Service Annual Revenue Requirement	\$	1,064,228,951.56	\$ 1,064,228,951.56	Line 164
					Attachment 3R Column (a)
(2)	Total Schedule 12 TEC Included in above	\$	(520,436,728.38)	\$ (545,743,291.38)	Attachment 4R Column (a)
					Attachment 3R Column (h)
(3)	PSE&G Customer Share of Schedule 12 TEC	\$	257,425,690.91	\$ 258,005,690.35	Attachment 4R Column (h)
(4)	Total Transmission Costs Borne by PSE&G customers	\$	801,217,914.09	\$ 776,491,350.53	=(1) +(2) +(3)
					Attachment 5 PSE&G Filing-
(5)	2016 PSE&G Network Service Peak (MW)		9,594.9	9,594.9	Line 165
	2016 Derived Network Integration Transmission Service Rate				
(6)	(MW-Year)	\$	83,504.56	\$ 80,927.51	= (4)/(5)
	Resulting 2016 BGS Firm Transmission Service Supplier Rate (MW-				
	Day)	\$	228.15	\$ 221.11	= (6)/366

Net Change of Sewaren Re-Allocation to PSE&G Zone INCREMENTAL Derived Network Integration Service Rate Applicable to PSE&G customers - 2016

Line #	Description	Revised Rate	Revised Rate	Source
		January - April	May - December	
(1)	Transmission Service Annual Revenue Requirement	\$ =	\$ =	Revised minus Original
(2)	Total Schedule 12 TEC Included in above	\$ =	\$ =	Revised minus Original
(3)	PSE&G Customer Share of Schedule 12 TEC	\$ 9,480,938.08	\$ 9,480,938.08	Revised minus Original
(4)	Total Transmission Costs Borne by PSE&G customers	\$ 9,480,938.08	\$ 9,480,938.08	=(1) +(2) +(3)
(5)	2016 PSE&G Network Service Peak (MW)	9,594.9	9,594.9	
	2016 Derived Network Integration Transmission Service Rate			
(6)	(MW-Year) * Adjusted for Rounding	\$ 988.08	\$ 988.08	= (4)/(5)
	Day)	\$ 2.70	\$ 2.70	= (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

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

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

XXX Revised Sheet No. 75 Superseding XXX Revised Sheet No. 75

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

APPLICABLE TO:

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

BGS ENERGY CHARGES:

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

	•	in each of the oths of	_	in each of the nths of
		hrough May		gh September
Rate	<u>October t</u>	Charges	Julie tillou	Charges
Schedule	Charges	Including SUT	Charges	Including SUT
RS – first 600 kWh	\$0.117793	\$0.125891	\$0.119622	\$0.127846
RS – in excess of 600 kWh	0.117793	0.125891	0.128730	0.137580
RHS – first 600 kWh	0.090037	0.096227	0.086445	0.092388
RHS - in excess of 600 kWh	0.090037	0.096227	0.098624	0.105404
RLM On-Peak	0.205281	0.219394	0.219719	0.234825
RLM Off-Peak	0.053654	0.057343	0.050571	0.054048
WH	0.054613	0.058368	0.053331	0.056998
WHS	0.054808	0.058576	0.053437	0.057111
HS	0.094761	0.101276	0.098163	0.104912
BPL	0.051584	0.055130	0.047370	0.050627
BPL-POF	0.051584	0.055130	0.047370	0.050627
PSAL	0.051584	0.055130	0.047370	0.050627

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:

Effective:

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

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

XXX Revised Sheet No. 79
Superseding
XXX Revised Sheet No. 79

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

BGS CAPACITY CHARGES:

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Generation Obligation:

Charge applicable in the months of June through September	
Charge applicable in the months of October through May	·

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

BGS TRANSMISSION CHARGES

Applicable to Rate Schedules GLP and LPL-Sec.

Charges per kilowatt of Transmission Obligation:

Currently effective Annual Transmission Rate for Network Integration Transmission Service for the Public Service Transmission Zone as derived from the FERC Electric Tariff of the PJM Interconnection, LLC \$91,224.18 per MW per year PJM Reallocation \$988.08 per MW per year PJM Seams Elimination Cost Assignment Charges \$0.00 per MW per month PJM Reliability Must Run Charge \$0.00 per MW per month PJM Transmission Enhancements Trans-Allegheny Interstate Line Company \$104.68 per MW per month Virginia Electric and Power Company \$82.20 per MW per month Potomac-Appalachian Transmission Highline L.L.C \$10.72 per MW per month PPL Electric Utilities Corporation \$53.39 per MW per month American Electric Power Service Corporation \$26.91 per MW per month Atlantic City Electric Company \$11.09 per MW per month Delmarva Power and Light Company \$0.33 per MW per month Potomac Electric Power Company \$3.37 per MW per month
Above rates converted to a charge per kW of Transmission Obligation, applicable in all months \$7.9770 Charge including New Jersey Sales and Use Tax (SUT) \$8.5254

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: Effective:

PUBLIC SERVICE ELECTRIC AND GAS COMPANY B.P.U.N.J. No. 15 ELECTRIC

XXX Revised Sheet No. 83 Superseding XXX Revised Sheet No. 83

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

BGS TRANSMISSION CHARGES

Charges per kilowatt of Transmission Obligation:	
Currently effective Annual Transmission Rate for Network Integration Transmission Service for the Public Service Transmission Zone as derived from the	
FERC Electric Tariff of the PJM Interconnection, LLC	\$ 91,224.18 per MW per year
PJM ReallocationPJM Seams Elimination Cost Assignment Charges	\$ 988.08 per MW per year\$ 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 Virginia Electric and Power Company	\$ 82.20 per MW per month
Potomac-Appalachian Transmission Highline L.L.C PPL Electric Utilities Corporation	
American Electric Power Service Corporation Atlantic City Electric Company	\$ 26.91 per MW per month \$ 11.09 per MW per month
Delmarva Power and Light CompanyPotomac Electric Power Company	\$ 0.33 per MW per month\$ 3.37 per MW per month
Above rates converted to a charge per kW of Transmission	^
Obligation, applicable in all monthsCharge including New Jersey Sales and Use Tax (SUT)	\$ 7.9770 \$ 8.5254

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:

Effective:

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

Incremental Network Integration Service Calculation - BGS-RSCP PJM PS Zone Reallocation Charges

	PSE&G Annual Transmission Service Revent Total Schedule 12 TEC Included in above PSE&G Customer Share of Reallocated Sche Reallocated NITS Charges for Jan 2016 - De PSE&G Zonal Transmission Load for Effectiv Term (Months)	edule 12 NITS c 2016 invoiced by PJM in 2017	\$	9,480,938.08 9,480,938.08 9,594.90 12	/MW/month	017 - 12/31/201		a	all values sho	wn w/o NJ SUT			
			\$	-	/MW/yr /MW/yr								
	R	Resulting Increase in Transmission Rate	\$ \$	988.08	/MW/yr /MW/yr								
	R	Resulting Increase in Transmission Rate	\$		/MW/month								
				RS	RHS	RLM	W	Н	WHS	HS	PSAL	BPL	
	Trans Obl - MW Total Annual Energy - MWh			3,756.9 12,371,327.1	25 159,712		2.3 2.8 1	0.0	0.0 30.0		0.0 160,628.0	0.0 287,511.0	= 2016 Trans Obligations = 2016/2017 BGS-RSCP Load Fore
	Change in energy charge in \$/MWh in \$/kWh - rounded to 6 places		\$ \$	0.3001 0.000300			34 \$ 23 \$ -		\$ - \$ -	\$ 0.1764 \$ 0.000176 \$		-	
Line #													
1 2 3	Total BGS-RSCP Trans Obl Total BGS-RSCP energy @ cust Total BGS-RSCP energy @ trans nodes			6,633.6 24,216,290 25,990,884	MWh	unrounded					CP eligible kWh	s Obl adjusted for mig @ cust adjusted for r ns node	
4 5 6	Change in OATT rate * total Trans Obl Change in Average Supplier Payment Rate Change in Average Supplier Payment Rate		\$ \$	6,554,527 0.2522 0.25		unrounded unrounded rounded to 2	decimal pla	ices		= Change in OATT = (4) / (3) = (5) rounded to 2		SS-RSCP eligible Trar	ns Obl adjusted for migration
7 8	Proposed Total Supplier Payment Difference due to rounding		\$ \$	6,497,721 (56,807)		unrounded unrounded				= (6) * (3) = (7) - (4)			

Attachment 3 PSE&G Project Charges Filed December 17th, 2015

Attachment 3 - PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

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

(f) (j) (c) (d) (e) (h) (i) (g) Estimated New Jersey EDC Zone Charges by Project Responsible Customers - Schedule 12 Appendix Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Enhancement Upgrade ID Requirement Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff Replace all derated Branchburg b0130 3,071,297.20 500/230 kava transformers 1.36% 47.63% 50.75% 0.00% \$41,770 \$1,462,859 \$1,558,683 \$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% \$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% \$1,591,712 \$238,367 \$2,585,474 0.00% \$755,394 Replace wave trap at Branchburg 500kV substation b0172.2 \$ 2,285.29 3.54% 5.97% \$35 \$81 \$136 \$6 \$258 1.53% 0.25% Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS b0170 \$ 1,114,815.03 0.00% 42.95% 38.36% \$0 \$478.813 \$8.807 \$915,263 0.79% \$427.643 Loop the 5021 circuit into New Freedom 500 kV substation b0498 \$ 2,982,831.59 1.53% 3.54% 5.97% 0.25% \$45,637 \$105,592 \$178,075 \$7,457 \$336,762 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 \$ b0813 Waterfront 230kV circuit 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 3.54% 5.97% 0.25% \$57,380 \$132,762 \$223,895 \$9,376 \$423,413 1.53% Branchburg 400 MVAR Capacitor b0290 \$ 17,144,700.59 1.53% 3.54% 5.97% 0.25% \$262,314 \$606.922 \$1,023,539 \$42,862 \$1,935,637 Saddle Brook - Athenia Upgrade \$ 2,940,449.14 Cable b0472 0.00% 0.00% 92.86% 3.47% \$0 \$2,730,501 \$102,034 \$2,832,535 Branchburg-Somerville-Flagtown Reconductor b0664-b0665 \$ 5,138,662.23 0.00% \$4,172,594 36.35% 43.24% 1.61% \$0 \$1,867,904 \$2,221,958 \$82,732 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% \$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 \$124,241 \$3,249,170 \$3,124,929 Ridge Rd 69kV Breaker Station \$ 2,807,870.91 \$0 \$0 b1255 0.00% 0.00% 96.18% 3.82% \$2,700,610 \$107,261 \$2,807,871 New Cox's Corner-Lumberton 230kV Circuit \$ 44.20% 1.92% \$204,639 \$1,823,601 \$4,091,136 b1787 4,125,793.09 4.96% 48.08% \$1,983,681 \$79,215 Sewaren Switch 230kV Convers. b2276 9.480.938.08 0.00% \$ 0.00% 0.00% 0.00% \$0 \$0 \$0

Attachment 3 - PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

\$

1,492,254.38

0.77%

1.77%

2.99%

0.13%

\$11,416

\$26,413

\$44,544

\$1,865

\$84,238

b2436.21

(CWIP)

(f) (j) (c) (d) (e) (h) (i) (b) (g) Estimated New Jersey EDC Zone Charges by Project Responsible Customers - Schedule 12 Appendix Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Enhancement Upgrade ID Requirement Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff \$0 \$0 \$0 \$0 Upgrade Camden Richmon 230kV b1590 1,767,770.54 0.00% 0.00% 0.00% 0.00% \$0 Uprate Eagle Point-Gloucester 230 kV Circuit b1588 \$ 0.00% 10.31% 1,654,204.43 54.17% 2.16% \$0 \$170,548 \$896,083 \$35,731 \$1,102,362 Build Mickleton-Gloucester Corridor Ultimate Design b2139 \$ 0.00% 0.00% 2.525.192.28 61.11% 2.44% \$0 \$0 \$1,543,145 \$61,615 \$1,604,760 Branchburg-Middlesex Sw Rack 13,935,900.56 \$0 b1155 \$ 91.75% 3.64% \$642,445 \$12,786,189 \$507,267 \$13,935,901 0.00% 4.61% 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-.15 \$ 283.758.12 1.53% 3.54% 5.97% 0.25% \$4,341 \$10,045 \$709 \$32,036 \$16,940 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 \$ 5.07% \$320.246 6,316,485.41 32.57% 40.51% 1.51% \$2,057,279 \$2.558.808 \$95,379 \$5,031,712 Susquehanna Roseland <500kV (CWIP) b0489.4 \$ (5,604,287.23) 5.07% 40.51% 1.51% 32.57% -\$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 3.54% 5.97% \$14,353,305 1.53% 0.25% \$1,945,133 \$4,500,505 \$7,589,834 \$317,832 Susquehanna Roseland >500kV \$ CWIP b0489 (20, 263, 143.38) 1.53% 3.54% 5.97% 0.25% -\$310,026 -\$717,315 -\$1,209,710 -\$50,658 -\$2,287,709 Burlington - Camden 230kV \$ Conversion b1156 42,580,414.02 0.00% 0.00% 96.18% 3.82% \$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 \$363,430 \$9,513,868 \$9,150,438 West Orange Conversion (North \$ Central Reliability) b1154 48.245.193.71 0.00% 0.00% 96.18% 3.82% \$0 \$46,402,227 \$1.842.966 \$48,245,194 West Orange Conversion (North Central Reliability) (CWIP) \$ (2.347.819.55)0.00% 0.00% \$0 -\$2,347,820 b1154 96.18% 3.82% \$0 -\$2,258,133 -\$89,687 \$29,334,512 Mickleton-Gloucester-Camden b1398-b1398.7 \$ 64,428,974.94 \$8,259,795 0.00% 12.82% 31.46% 1.25% \$0 \$20,269,356 \$805,362 Mickleton-Gloucester-Camden -\$3.284.940 (CWIP) b1398-b1398.7 (7.214.890.91)0.00% 12.82% 31.46% 1.25% \$0 -\$924.949 -\$2.269.805 -\$90.186 Northeast Grid Reliability Project b1304.1-b1304.4 \$ 119,666,665.77 \$80,906,633 0.21% 1.06% 63.81% 2.53% \$251,300 \$1,268,467 \$76,359,299 \$3,027,567 Northeast Grid Reliability Project b1304.1-b1304.4 \$ -\$41,688 (CWIP) (19,851,347.56) 0.21% 1.06% 63.81% 2.53% -\$210,424 -\$12,667,145 -\$502,239 -\$13,421,496 Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any b2436.21 \$ 1.480.229.77 0.77% \$11.324 \$83,559 associated substation upgrades 1.77% 2.99% 0.13% \$26,200 \$44,185 \$1,850 Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades

Attachment 3 - PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

transformer #1 and any associated

substation upgrades (CWIP)

\$

1,561,986.10

0.00%

0.00%

0.00%

0.00%

b2437.11

(j) (c) (d) (f) (h) (i) (e) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone **NJ Zones** Enhancement Upgrade ID Requirement Share Share Share1,2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any b2436.22 1,480,229.77 0.77% 1.77% 2.99% 0.13% \$11.324 \$83,559 associated substation upgrades \$26,200 \$44.185 \$1,850 Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (CWIP) b2436.22 \$ 1,127,508.97 0.77% 1.77% 2.99% 0.13% \$8,625 \$19,957 \$33,656 \$1,409 \$63,648 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 0.77% 1.77% 37.57% 0.13% \$8,762 \$20,272 \$430,288 \$1,432 \$460,753 Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades b2436.83 (CWIP) \$ 1,145,297.49 0.77% 1.77% 37.57% 0.13% \$8,762 \$20,272 \$430,288 \$1,432 \$460,753 Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades b2436.90 2,047,239.69 0.77% 1.77% 2.99% 0.13% \$15,661 \$36,236 \$61,110 \$2,559 \$115,567 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 0.77% 1.77% 2.99% 0.13% \$8,798 \$20,356 \$34,329 \$64,920 \$1,438 New Bergen 345/230 kV transformer and any associated b2437.10 substation upgrades \$ 1,898,793.54 0.00% 0.00% 3.31% 0.13% \$0 \$0 \$2,468 \$65,294 \$62,825 New Bergen 345/230 kV transformer and any associated substation upgrades (CWIP) b2437.10 \$ 1,561,800.55 0.00% 3.31% \$0 \$2,030 \$53,706 0.00% 0.13% \$0 \$51,675 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

Attachment 3 - PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

24,823,260.29

18,363.5

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	Jan - Dec 2016 Annual Revenue Requirement per PJM website	ACE Zone Share	JCP&L Zone Share	ers - Schedule 12 App PSE&G Zone Share1,2 cess Transmission Tarif	RE Zone Share	Esti ACE Zone Charges	mated New Je JCP&L Zone Charges	rsey EDC Zone PSE&G Zone Charges	Charges by Pr RE Zone Charges	roject 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) New Linden 345/230 kV	b2437.21	\$ 644,666.17	0.00%	0.00%	0.00%	0.00%					
transformer and any associated substation upgrades (CWIP)	b2437.30	\$ 866,558.50	0.00%	0.00%	0.00%	0.00%					
Totals		\$ 520,436,728.38					\$4,189,932	\$35,809,171	\$247,944,753	\$9,935,268	\$297,879,123
Notes on calculations >>>		(k)	(1)	(m)	(n)	(0)	= (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 ²	Rate in \$/MW-mo. 1	2016 Impact (12 months)						
	PSE&G JCP&L ACE RE	\$ 20,662,062.74 \$ 2,984,097.56 \$ 349,161.03 \$ 827,938.97	9,594.9 5,818.1 2,552.8 397.7	\$ 512.90 \$ 136.78	\$ 35,809,171 \$ 4,189,932						

Notes on calculations >>>

= (k) *12= (k) / (l)

297,879,123

Total Impact on NJ

Zones

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

Attachment 4 PSE&G Project Charges Filed May 4th, 2016

Attachment 4 - PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

(f) (j) (c) (d) (e) (h) (i) (g) Estimated New Jersey EDC Zone Charges by Project Responsible Customers - Schedule 12 Appendix May - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Requirement Enhancement Upgrade ID Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM website per PJM spreadsheet per PJM Open Access Transmission Tariff Replace all derated Branchburg b0130 3,071,297.20 500/230 kava transformers 1.36% 47.63% 50.75% 0.00% \$41,770 \$1,462,859 \$1.558.683 \$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 \$2.917.424 angle regulator at Essex b0145 13.394.967.82 0.00% 73.45% 21.78% 4.77% \$9.838.604 \$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% \$1,591,712 \$238,367 \$0 \$2,585,474 0.00% \$755,394 Replace wave trap at Branchburg 500kV substation b0172.2 \$ 2,285.29 \$36 \$82 \$135 \$5 \$258 1.57% 3.57% 5.89% 0.24% Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS b0170 \$ 1,114,815.03 0.00% 42.95% 38.36% \$0 \$478.813 \$8.807 \$915,263 0.79% \$427.643 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 \$ b0813 Waterfront 230kV circuit 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 3.57% 5.89% 0.24% \$58,880 \$133,887 \$220,895 \$9,001 \$422,663 1.57% 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 \$ 2,940,449.14 Cable b0472 0.00% 0.00% 92.86% 3.47% \$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% \$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 \$124,241 \$3,249,170 \$3,124,929 Ridge Rd 69kV Breaker Station \$ 2,807,870.91 \$0 \$0 b1255 0.00% 0.00% 96.18% 3.82% \$2,700,610 \$107,261 \$2,807,871 New Cox's Corner-Lumberton 44.20% 230kV Circuit \$ 1.92% \$204,639 \$1,823,601 \$4,091,136 b1787 4,125,793.09 4.96% 48.08% \$1,983,681 \$79,215 Sewaren Switch 230kV Convers. b2276 9.480.938.08 0.00% \$ 0.00% 0.00% 0.00% \$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

Attachment 4 - PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

138 kV circuit to 345 kV and any associated substation upgrades

(CWIP)

\$

1,492,254.38

0.79%

1.79%

2.95%

0.12%

\$11,714

\$26,637

\$43,947

\$1,791

\$84,089

b2436.21

(f) (j) (c) (d) (e) (h) (i) (g) Estimated New Jersey EDC Zone Charges by Project Responsible Customers - Schedule 12 Appendix May - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Requirement Enhancement Upgrade ID Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff b1590 \$0 \$0 \$0 \$0 Upgrade Camden Richmon 230kV 1,767,770.54 0.00% 0.00% 0.00% 0.00% \$0 Uprate Eagle Point-Gloucester 230 kV Circuit b1588 \$ 0.00% 10.31% 1,654,204.43 54.17% 2.16% \$0 \$170,548 \$896,083 \$35,731 \$1,102,362 Build Mickleton-Gloucester Corridor Ultimate Design b2139 \$ 0.00% 0.00% 2.525.192.28 61.11% 2.44% \$0 \$0 \$1,543,145 \$61,615 \$1,604,760 Branchburg-Middlesex Sw Rack 13,935,900.56 \$0 b1155 \$ 91.75% 3.64% \$642,445 \$12,786,189 \$507,267 \$13,935,901 0.00% 4.61% 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 \$681 \$31,980 \$10.130 \$16,713 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 \$ 5.07% \$320.246 6,316,485.41 32.57% 40.51% 1.51% \$2,057,279 \$2.558.808 \$95,379 \$5,031,712 Susquehanna Roseland <500kV (CWIP) b0489.4 \$ (5,604,287.23) 5.07% 40.51% 1.51% 32.57% -\$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 5.89% \$1,995,987 \$305,119 \$14,327,878 1.57% 3.57% 0.24% \$4,538,645 \$7,488,128 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 \$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 \$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 \$46,402,227 \$1.842.966 \$48.245.194 West Orange Conversion (North Central Reliability) (CWIP) (2.347.819.55)0.00% 0.00% 3.82% \$0 -\$2,347,820 b1154 96.18% \$0 -\$2,258,133 -\$89,687 \$29,334,512 Mickleton-Gloucester-Camden b1398-b1398.7 \$ 64,428,974.94 \$8,259,795 0.00% 12.82% 31.46% 1.25% \$0 \$20,269,356 \$805,362 Mickleton-Gloucester-Camden -\$3.284.940 (CWIP) b1398-b1398.7 (7.214.890.91)0.00% 12.82% 31.46% 1.25% \$0 -\$924.949 -\$2.269.805 -\$90.186 Northeast Grid Reliability Project b1304.1-b1304.4 \$ 119,666,665.77 \$80,906,633 0.21% 1.06% 63.81% 2.53% \$251,300 \$1,268,467 \$76,359,299 \$3,027,567 Northeast Grid Reliability Project (CWIP) b1304.1-b1304.4 \$ -\$41,688 (19,851,347.56) 0.21% 1.06% 63.81% 2.53% -\$210,424 -\$12,667,145 -\$502,239 -\$13,421,496 Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any b2436.21 \$ 1.480.229.77 0.79% 2.95% \$11.620 associated substation upgrades 1.79% 0.12% \$26,422 \$43,593 \$1,776 \$83,411 Convert the Marion - Bayonne "L"

Attachment 4 - PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

New Bergen 345/138 kV transformer #1 and any associated

substation upgrades (CWIP)

\$

1,561,986.10

0.00%

0.00%

0.00%

0.00%

b2437.11

(j) (d) (f) (h) (i) (c) (e) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project May - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone **NJ Zones** Requirement Enhancement Upgrade ID Share Share Share1,2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any b2436.22 1,480,229.77 0.79% 1.79% 2.95% 0.12% \$83,411 associated substation upgrades \$11.620 \$26,422 \$43.593 \$1,776 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% 37.53% 1.48% \$8,991 \$16,893 \$476,157 1.79% \$20,444 \$429,830 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% 2.95% 0.12% \$9,028 \$20,528 \$33,869 \$64,805 1.79% \$1,380 New Bergen 345/230 kV transformer and any associated b2437.10 substation upgrades \$ 1,898,793.54 0.00% 0.00% 3.31% 0.13% \$0 \$0 \$2,468 \$65,294 \$62,825 New Bergen 345/230 kV transformer and any associated substation upgrades (CWIP) b2437.10 \$ 1,561,800.55 0.00% 3.31% \$0 \$2,030 \$53,706 0.00% 0.13% \$0 \$51,675 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%

Attachment 4 - 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 per PJM website	PJM Upgrade ID per PJM spreadsheet	Α	May - Dec 2016 nnual Revenue Requirement er PJM website	ACE Zone Share	JCP&L Zone Share	s - Schedule 12 Apper PSE&G Zone Share1,2 ss <i>Transmission Tariff</i>	ndix RE Zone Share	Esti ACE Zone Charges	mated New Je JCP&L Zone Charges	rsey EDC Zone PSE&G Zone Charges	Charges by Pr RE Zone Charges	roject 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) New Linden 345/230 kV	b2437.21	\$	644,666.17	0.00%	0.00%	0.00%	0.00%					
transformer and any associated substation upgrades (CWIP) Convert Bergen Marion 138 kV to	b2437.30	\$	866,558.50	0.00%	0.00%	0.00%	0.00%					
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
Totals		\$	545,743,291.38					\$4,405,399	\$36,215,873	\$248,524,752	\$9,980,625	\$299,126,650
Notes on calculations >>>			(k)	(1)	(m)	(n)	(0)	= (a) * (b)	= (a) * (c)	= (a) * (d)	= (a) * (e)	= (f) + (g) +

Notes on calculations >>>					
	(k)	(I)	(m)	(n)	(0

Zonal Cost Allocation for New Jersey Zones	lr	verage Monthly npact on Zone stomers in 2016	2016 Trans. Peak Load ²		Rate in MW-mo. ¹	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		
Total Impact on NJ Zones	\$	24,927,220.80	18,363.5			\$ 299,126,650		

Notes on calculations >>>

= (k) / (l)

= (k) *12

Notes:

¹⁾ Uncompressed rate - assumes implementation on May 1, 2016

²⁾ Data on PJM website

Attachment 3R PSE&G Project Charges Filed December 17th, 2015 REVISED

Attachment 3R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

(f) (j) (c) (d) (h) (i) (e) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Enhancement Upgrade ID Requirement Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff Replace all derated Branchburg b0130 3,071,297.20 500/230 kava transformers 1.36% 47.63% 50.75% 0.00% \$41,770 \$1,462,859 \$1,558,683 \$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% \$1,591,712 \$238,367 \$0 \$2,585,474 22.31% 0.00% \$755,394 Replace wave trap at Branchburg 500kV substation b0172.2 \$ 2,285.29 3.54% 5.97% \$35 \$81 \$136 \$6 \$258 1.53% 0.25% Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS b0170 \$ 1,114,815.03 0.00% 42.95% 38.36% \$478.813 \$8.807 \$915,263 0.79% \$0 \$427.643 Loop the 5021 circuit into New Freedom 500 kV substation b0498 \$ 2,982,831.59 1.53% 3.54% 5.97% 0.25% \$45,637 \$105,592 \$178,075 \$7,457 \$336,762 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 \$ b0813 Waterfront 230kV circuit 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 3.54% 5.97% 0.25% \$57,380 \$132,762 \$223,895 \$9,376 \$423,413 1.53% Branchburg 400 MVAR Capacitor b0290 \$ 17,144,700.59 1.53% 3.54% 5.97% 0.25% \$262,314 \$606.922 \$1,023,539 \$42,862 \$1,935,637 Saddle Brook - Athenia Upgrade \$ Cable b0472 2,940,449.14 0.00% 0.00% 92.86% 3.47% \$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 \$124,241 \$3,249,170 \$3,124,929 Ridge Rd 69kV Breaker Station \$ 2,807,870.91 \$0 \$0 b1255 0.00% 0.00% 96.18% 3.82% \$2,700,610 \$107,261 \$2,807,871 New Cox's Corner-Lumberton 230kV Circuit \$ 44.20% 1.92% \$1,823,601 \$79,215 b1787 4,125,793.09 4.96% 48.08% \$204,639 \$1,983,681 \$4,091,136 Sewaren Switch 230kV Convers. b2276 9.480.938.08 \$9,480,938 \$ 0.00% 0.00% 100.00% 0.00% \$0 \$0 \$9,480,938 \$0 Bergen Substation Transformer b1082 \$ (1,822,685.13) 0.00% 0.00% 80.29% 3.19% \$0 -\$1,463,434 -\$1,521,578 \$0 -\$58,144

Attachment 3R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

(b)

(c)

(d)

Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Enhancement Upgrade ID Requirement Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff \$0 \$0 \$0 \$0 Upgrade Camden Richmon 230kV b1590 1,767,770.54 0.00% 0.00% 0.00% 0.00% \$0 Uprate Eagle Point-Gloucester 230 kV Circuit b1588 \$ 0.00% 10.31% 1,654,204.43 54.17% 2.16% \$0 \$170,548 \$896,083 \$35,731 \$1,102,362 Build Mickleton-Gloucester Corridor Ultimate Design b2139 \$ 0.00% 0.00% 2.525.192.28 61.11% 2.44% \$0 \$0 \$1,543,145 \$61,615 \$1,604,760 Branchburg-Middlesex Sw Rack 13,935,900.56 b1155 \$ 3.64% \$0 \$642,445 \$12,786,189 \$507,267 \$13,935,901 0.00% 4.61% 91.75% 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-.15 \$ 283.758.12 1.53% 3.54% 5.97% 0.25% \$4,341 \$10,045 \$709 \$32,036 \$16,940 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 \$ 5.07% 6,316,485.41 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% 40.51% 1.51% 32.57% -\$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 3.54% 5.97% \$14,353,305 1.53% 0.25% \$1,945,133 \$4,500,505 \$7,589,834 \$317,832 Susquehanna Roseland >500kV \$ CWIP b0489 (20, 263, 143.38) 1.53% 3.54% 5.97% 0.25% -\$310,026 -\$717,315 -\$1,209,710 -\$50,658 -\$2,287,709 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 \$363,430 \$9,513,868 \$9,150,438 West Orange Conversion (North \$ Central Reliability) b1154 48.245.193.71 0.00% 0.00% 96.18% 3.82% \$0 \$46,402,227 \$1.842.966 \$48.245.194 West Orange Conversion (North Central Reliability) (CWIP) \$ (2.347.819.55)0.00% 0.00% \$0 -\$2,347,820 b1154 96.18% 3.82% \$0 -\$2,258,133 -\$89,687 \$29,334,512 Mickleton-Gloucester-Camden b1398-b1398.7 \$ 64,428,974.94 \$8,259,795 0.00% 12.82% 31.46% 1.25% \$0 \$20,269,356 \$805,362 Mickleton-Gloucester-Camden -\$3.284.940 (CWIP) b1398-b1398.7 (7.214.890.91)0.00% 12.82% 31.46% 1.25% \$0 -\$924.949 -\$2.269.805 -\$90.186 Northeast Grid Reliability Project b1304.1-b1304.4 \$ 119,666,665.77 \$80,906,633 0.21% 1.06% 63.81% 2.53% \$251,300 \$1,268,467 \$76,359,299 \$3,027,567 Northeast Grid Reliability Project b1304.1-b1304.4 \$ (CWIP) (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 b2436.21 \$ 1.480.229.77 0.77% \$11.324 \$83,559 associated substation upgrades 1.77% 2.99% 0.13% \$26,200 \$44,185 \$1,850 Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades \$ (CWIP) b2436.21 1,492,254.38 0.77% 1.77% 2.99% 0.13% \$11,416 \$26,413 \$44,544 \$1,865 \$84,238

(f)

(g)

(h)

(i)

(e)

(j)

Attachment 3R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

\$

1,561,986.10

0.00%

0.00%

0.00%

0.00%

b2437.11

substation upgrades (CWIP)

(f) (j) (d) (h) (i) (c) (e) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project Jan - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone **NJ Zones** Enhancement Upgrade ID Requirement Share Share Share1,2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any b2436.22 1,480,229.77 0.77% 1.77% 2.99% 0.13% \$11.324 \$83,559 associated substation upgrades \$26,200 \$44.185 \$1,850 Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (CWIP) b2436.22 \$ 1,127,508.97 0.77% 1.77% 2.99% 0.13% \$8,625 \$19,957 \$33,656 \$1,409 \$63,648 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 0.77% 1.77% 37.57% 0.13% \$8,762 \$20,272 \$430,288 \$1,432 \$460,753 Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation upgrades b2436.83 (CWIP) \$ 1,145,297.49 0.77% 1.77% 37.57% 0.13% \$8,762 \$20,272 \$430,288 \$1,432 \$460,753 Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades b2436.90 2,047,239.69 0.77% 1.77% 2.99% 0.13% \$15,661 \$36,236 \$61,110 \$2,559 \$115,567 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 0.77% 1.77% 2.99% 0.13% \$8,798 \$20,356 \$34,329 \$64,920 \$1,438 New Bergen 345/230 kV transformer and any associated b2437.10 substation upgrades \$ 1,898,793.54 0.00% 0.00% 3.31% 0.13% \$0 \$0 \$2,468 \$65,294 \$62,825 New Bergen 345/230 kV transformer and any associated substation upgrades (CWIP) b2437.10 \$ 1,561,800.55 0.00% 3.31% \$0 \$2,030 \$53,706 0.00% 0.13% \$0 \$51,675 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

Attachment 3R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for January 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(i)
Required Transmission Enhancement per PJM website	PJM Upgrade ID per PJM spreadsheet	Jan - Dec 2016 Annual Revenue Requirement per PJM website	ACE Zone Share	JCP&L Zone Share	ers - Schedule 12 Appe PSE&G Zone Share1,2 cess Transmission Tariff	RE Zone Share	Estin ACE Zone Charges	mated New Je JCP&L Zone Charges	rsey EDC Zone PSE&G Zone Charges	Charges by Pr RE Zone Charges	roject 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) New Linden 345/230 kV	b2437.21	\$ 644,666.17	0.00%	0.00%	0.00%	0.00%					
transformer and any associated substation upgrades (CWIP)	b2437.30	\$ 866,558.50	0.00%	0.00%	0.00%	0.00%					
Totals		\$ 520,436,728.38					\$4,189,932	\$35,809,171	\$257,425,691	\$9,935,268	\$307,360,062
Notes on calculations >>>		(k)	(1)	(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 ²	Rate in \$/MW-mo. ¹	2016 Impact (12 months)						
	PSE&G	\$ 21,452,140.91	9,594.9	\$ 2,235.79	\$ 257,425,691						

Notes on calculations >>>

= (k) / (l) = (k) *12

35,809,171

4,189,932

9,935,268

307,360,062

512.90

2,552.8 \$ 136.78 \$

397.7 \$ 2,081.82 \$

Notes

JCP&L

ACE

RE

Total Impact on NJ

Zones

\$

\$

\$

2,984,097.56

349,161.03

827,938.97

25,613,338.46

5,818.1 \$

18,363.5

¹⁾ Uncompressed rate - assumes implementation on January 1, 2016

²⁾ Data on PJM website

Attachment 4R PSE&G Project Charges Filed May 4th, 2016 REVISED

Attachment 4R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

Bergen Substation Transformer

b1082

\$

(1,822,685.13)

0.00%

0.00%

80.29%

3.19%

\$0

-\$1,463,434

\$0

-\$1,521,578

-\$58,144

(f) (j) (c) (d) (h) (i) (e) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project May - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Requirement Enhancement Upgrade ID Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM website per PJM spreadsheet per PJM Open Access Transmission Tariff Replace all derated Branchburg b0130 3,071,297.20 500/230 kava transformers 1.36% 47.63% 50.75% 0.00% \$41,770 \$1,462,859 \$1,558,683 \$3,063,312 Reconductor Kittatinny - Newtown \$ \$1,240,095 230 kV with 1590 ACSS b0134 1,240,095.29 0.00% 51.11% 45.96% 2.93% \$0 \$633,813 \$569,948 \$36,335 Build new Essex - Aldene 230 kV cable connected through phase \$2.917.424 angle regulator at Essex b0145 13.394.967.82 0.00% 73.45% 21.78% 4.77% \$0 \$9.838.604 \$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% \$1,591,712 \$238,367 \$0 \$2,585,474 0.00% \$755,394 Replace wave trap at Branchburg 500kV substation b0172.2 \$ 2,285.29 \$36 \$82 \$135 \$5 \$258 1.57% 3.57% 5.89% 0.24% Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS b0170 \$ 1,114,815.03 0.00% 42.95% 38.36% \$478.813 \$8.807 \$915,263 0.79% \$0 \$427.643 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 \$ b0813 Waterfront 230kV circuit 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 3.57% 5.89% 0.24% \$58,880 \$133,887 \$220,895 \$9,001 \$422,663 1.57% 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 \$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 \$124,241 \$3,249,170 \$3,124,929 Ridge Rd 69kV Breaker Station \$ 2,807,870.91 \$0 \$0 b1255 0.00% 0.00% 96.18% 3.82% \$2,700,610 \$107,261 \$2,807,871 New Cox's Corner-Lumberton 230kV Circuit \$ 44.20% 1.92% \$1,823,601 \$79,215 b1787 4,125,793.09 4.96% 48.08% \$204,639 \$1,983,681 \$4,091,136 Sewaren Switch 230kV Convers. b2276 9.480.938.08 \$9,480,938 \$ 0.00% 0.00% 100.00% 0.00% \$0 \$9,480,938 \$0

Attachment 4R - REVISED PJM Schedule 12 - Transmission Enhancement Charges for May 2016 - December 2016 Calculation of costs and monthly PJM charges for PSE&G Projects

(CWIP)

(CWIP)

Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any

associated substation upgrades

Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades b1304.1-b1304.4

b2436.21

b2436.21

\$

\$

\$

(19,851,347.56)

1.480.229.77

1,492,254.38

0.21%

0.79%

0.79%

1.06%

1.79%

1.79%

63.81%

2.95%

2.95%

2.53%

0.12%

0.12%

-\$41,688

\$11.620

\$11,714

-\$210,424

\$26,422

\$26,637

-\$12,667,145

\$43,593

\$43,947

-\$502,239

\$1,776

\$1,791

-\$13,421,496

\$83,411

\$84,089

(f) (j) (c) (d) (e) (h) (i) (g) Responsible Customers - Schedule 12 Appendix Estimated New Jersey EDC Zone Charges by Project May - Dec 2016 Required ACE JCP&L PSE&G RE ACE JCP&L PSE&G RE Total Transmission PJM Annual Revenue Zone Zone Zone Zone Zone Zone Zone Zone NJ Zones Requirement Enhancement Upgrade ID Share Share Share1.2 Share Charges Charges Charges Charges Charges per PJM website per PJM spreadsheet per PJM website per PJM Open Access Transmission Tariff \$0 \$0 \$0 \$0 Upgrade Camden Richmon 230kV b1590 1,767,770.54 0.00% 0.00% 0.00% 0.00% \$0 Uprate Eagle Point-Gloucester 230 kV Circuit b1588 \$ 0.00% 10.31% 1,654,204.43 54.17% 2.16% \$0 \$170,548 \$896,083 \$35,731 \$1,102,362 Build Mickleton-Gloucester Corridor Ultimate Design b2139 \$ 0.00% 0.00% 2.525.192.28 61.11% 2.44% \$0 \$0 \$1,543,145 \$61.615 \$1,604,760 Branchburg-Middlesex Sw Rack 13,935,900.56 b1155 \$ 3.64% \$0 \$642,445 \$12,786,189 \$507,267 \$13,935,901 0.00% 4.61% 91.75% 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 \$681 \$31,980 \$10.130 \$16,713 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 \$ 5.07% 6,316,485.41 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% 40.51% 1.51% 32.57% -\$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 5.89% \$14,327,878 1.57% 3.57% 0.24% \$1,995,987 \$4,538,645 \$7,488,128 \$305,119 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 \$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 \$363,430 \$9,513,868 \$9,150,438 West Orange Conversion (North \$ Central Reliability) b1154 48.245.193.71 0.00% 0.00% 96.18% 3.82% \$0 \$46,402,227 \$1.842.966 \$48.245.194 West Orange Conversion (North Central Reliability) (CWIP) \$ (2.347.819.55)0.00% 0.00% \$0 -\$2,347,820 b1154 96.18% 3.82% \$0 -\$2,258,133 -\$89,687 \$29,334,512 Mickleton-Gloucester-Camden b1398-b1398.7 \$ 64,428,974.94 \$8,259,795 0.00% 12.82% 31.46% 1.25% \$0 \$20,269,356 \$805,362 Mickleton-Gloucester-Camden -\$3.284.940 (CWIP) b1398-b1398.7 (7.214.890.91)0.00% 12.82% 31.46% 1.25% \$0 -\$924.949 -\$2.269.805 -\$90.186 Northeast Grid Reliability Project b1304.1-b1304.4 \$ 119,666,665.77 \$80,906,633 0.21% 1.06% 63.81% 2.53% \$251,300 \$1,268,467 \$76,359,299 \$3,027,567 Northeast Grid Reliability Project

Attachment 4R - REVISED 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)

				Responsible Customers - Schedule 12 Appendix				Estimated New Jersey EDC Zone Charges by Project				
Required Transmission Enhancement	PJM Upgrade ID	An	ay - Dec 2016 inual Revenue Requirement	ACE Zone Share	JCP&L Zone Share	PSE&G Zone Share1,2	RE Zone Share	ACE Zone Charges	JCP&L Zone Charges	PSE&G Zone Charges	RE Zone Charges	Total NJ Zones Charges
per PJM website	per PJM spreadsheet	ре	er PJM website	per F	PJM Open Acces	s Transmission Tariff						
Convert the Marion - Bayonne "C"												
138 kV circuit to 345 kV and any	1040000	_	4 400 000 77	0.700/	4 700/	0.050/	0.4007	* 44.000	000 100	0.10 500	04.770	000 444
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 -	02430.22	φ	1,127,500.97	0.79%	1.79%	2.95%	0.1276	Φ0,001	\$20,120	φ33,203	φ1,333	\$65,555
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	22.00.00	Ψ	1,00 1,00 111 0	0.0070	0.0070	0.0070	0.0070					
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	52 100.70	Ψ	1,000,412.12	0.0070	0.0070	0.0070	0.0070					
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"		,	, -, -					* - 7	+ -,	, ,,,,,,	* -,	* -, -
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	1040000	_										
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	h2427 40	¢.	1 000 702 54	0.000/	0.000/	2.240/	0.430/	Φ0	¢ο	የ ድጋ ያጋር	PO 460	PGE 204
substation upgrades New Bergen 345/230 kV	b2437.10	\$	1,898,793.54	0.00%	0.00%	3.31%	0.13%	\$0	\$0	\$62,825	\$2,468	\$65,294
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	DZ-101.10	Ψ	1,001,000.00	0.00 /0	0.00 /6	3.31/0	0.13/0	ΨΟ	Ψ	ψ51,075	φ2,030	ψυυ, 100
transformer #1 and any associated												
substation upgrades	b2437.11	\$	1,898,793.54	0.00%	0.00%	0.00%	0.00%					
		*	.,555,755.54	0.0070	2.0070	0.0070	3.0070					
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%					
10 (- /			, ,					•				

Attachment 4R - REVISED 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 per PJM website	PJM Upgrade ID per PJM spreadsheet	Α	May - Dec 2016 nnual Revenue Requirement er PJM website	ACE Zone Share	JCP&L Zone Share	- Schedule 12 Apper PSE&G Zone Share1,2 ss Transmission Tariff	ndix RE Zone Share	Esti ACE Zone Charges	mated New Je JCP&L Zone Charges	rsey EDC Zone PSE&G Zone Charges	Charges by Pi RE Zone Charges	roject 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) New Linden 345/230 kV	b2437.21	\$	644,666.17	0.00%	0.00%	0.00%	0.00%					
transformer and any associated substation upgrades (CWIP) Convert Bergen Marion 138 kV to	b2437.30	\$	866,558.50	0.00%	0.00%	0.00%	0.00%					
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
Totals		\$	545,743,291.38					\$4,405,399	\$36,215,873	\$258,005,690	\$9,980,625	\$308,607,588
Notes on calculations >>>			(k)	(1)	(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 ²	Rate in	2016 Impact (12 months)
New Jersey Zones	Customers in 2016	Peak Load	\$/IVIVV-mo.	(12 months)
DOESO	6 04 500 474 00	0.504.0	Ф 0.040.00	Ф 050 005 000

PSE&G 21,500,474.20 9,594.9 \$ 2,240.82 \$ 258,005,690 \$ JCP&L 518.72 \$ 36,215,873 3,017,989.41 5,818.1 \$ ACE 367,116.62 2,552.8 \$ 143.81 \$ 4,405,399 \$ 397.7 \$ 2,091.32 9,980,625 RE 831,718.74 Total Impact on NJ 18,363.5 308,607,588 25,717,298.97 Zones

Notes on calculations >>>

= (k) / (l)= (k) *12

Notes:

¹⁾ Uncompressed rate - assumes implementation on May 1, 2016

²⁾ Data on PJM website

Attachment 5 PSE&G FERC Formula Rate Filing October 19th, 2015

la Rate Appendix A d cells are input cells cors Wages & Salary Allocation Factor Transmission Wages Expense		FERC Form 1 Page # or	12 Months Ended
Ors Wages & Salary Allocation Factor	Notes	Instruction	12/31/2016
Wages & Salary Allocation Factor			
	(Note O)	Attachment 5	29,830,44
T-t-1WFunction	(Note: O)	Attack mant 5	100 000 0
Total Wages Expense Less A&G Wages Expense	(Note O) (Note O)	Attachment 5 Attachment 5	198,680,65 6,226,17
Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	192,454,48
Wages & Salary Allocator		(Line 1 / Line 4)	15.5000
Plant Allocation Factors			
Electric Plant in Service	(Note B)	Attachment 5	16,924,862,78
Common Plant in Service - Electric		(Line 22)	145,824,54
Total Plant in Service		(Line 6 + 7)	17,070,687,3
Accumulated Depreciation (Total Electric Plant)	(Note B & J)	Attachment 5	3,319,374,99
Accumulated Intangible Amortization - Electric	(Note B)	Attachment 5	5,264,20
Accumulated Common Plant Depreciation & Amortization - Electric	(Note B & J)	Attachment 5	17,761,45
Accumulated Common Amortization - Electric Total Accumulated Depreciation	(Note B)	Attachment 5 (Line 9 + Line 10 + Line 11 + Line 12)	38,924,89 3,381,325,53
Net Plant			
Net Flant		(Line 8 - Line 13)	13,689,361,79
Transmission Gross Plant		(Line 31)	8,330,672,21
Gross Plant Allocator		(Line 15 / Line 8)	48.8010
Transmission Net Plant		(Line 43)	7,535,121,58
Net Plant Allocator		(Line 17 / Line 14)	55.0436
Plant In Service Transmission Plant In Service	(Note B)	Attachment 5	8,259,324,17
General	(Note B)	Attachment 5	227,839,12
Intangible - Electric	(Note B)	Attachment 5	7,967,49
Common Plant - Electric	(Note B)	Attachment 5	145,824,54 381,631,16
Total General, Intangible & Common Plant Less: General Plant Account 397 Communications	(Note B)	(Line 20 + Line 21 + Line 22) Attachment 5	21,195,5
Less: Common Plant Account 397 Communications	(Note B)	Attachment 5	10,236,82
General and Intangible Excluding Acct. 397	(110.0.2)	(Line 23 - Line 24 - Line 25)	350,198,76
Wage & Salary Allocator		(Line 5)	15.5000
General and Intangible Plant Allocated to Transmission		(Line 26 * Line 27)	54,280,80
Account No. 397 Directly Assigned to Transmission Total General and Intangible Functionalized to Transmission	(Note B)	Attachment 5 (Line 28 + Line 29)	17,067,23 71,348,03
Total Plant in Rate Base		(Line 19 + Line 30)	8,330,672,21
Otal Flailt III Nate Base		(Line 19 + Line 30)	6,330,072,21
Accumulated Depreciation		Attachment 5	
Accumulated Depreciation Transmission Accumulated Depreciation	(Note B & J)		756,323,29
Transmission Accumulated Depreciation		Attachment 5	
Transmission Accumulated Depreciation Accumulated General Depreciation	(Note B & J)	Attachment 5 Attachment 5	101,368,99
Transmission Accumulated Depreciation Accumulated General Depreciation Accumulated Common Plant Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397		Attachment 5 Attachment 5	101,368,99 56,686,3- 12,618,2-
Transmission Accumulated Depreciation Accumulated General Depreciation - Electric Accumulated Common Plant Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397 Balance of Accumulated General Depreciation	(Note B & J) (Note B & J) (Note B & J)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35)	101,368,99 56,686,3- 12,618,2- 145,437,0
Transmission Accumulated Depreciation Accumulated General Depreciation Accumulated Common Plant Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397 Balance of Accumulated General Depreciation Accumulated Intangible Amortization - Electric	(Note B & J) (Note B & J)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35) (Line 10)	101,368,9 56,686,3 12,618,2 145,437,0 5,264,20
Transmission Accumulated Depreciation Accumulated General Depreciation Accumulated Common Plant Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397 Balance of Accumulated General Depreciation Accumulated Intangible Amortization - Electric Accumulated General and Intangible Depreciation Ex. Acct. 397	(Note B & J) (Note B & J) (Note B & J)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35) (Line 10) (Line 36 + 37)	101,368,9 56,686,3 12,618,2 145,437,0 5,264,2 150,701,2
Transmission Accumulated Depreciation Accumulated General Depreciation - Electric Less: Amount of General Depreciation - Security -	(Note B & J) (Note B & J) (Note B & J)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35) (Line 10) (Line 36 + 37) (Line 5)	101,368,9 56,686,3 12,618,2 145,437,0 5,264,2(150,701,2; 15.5000
Transmission Accumulated Depreciation Accumulated General Depreciation Accumulated Common Plant Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397 Balance of Accumulated General Depreciation Accumulated Intangible Amortization - Electric Accumulated General and Intangible Depreciation Ex. Acct. 397	(Note B & J) (Note B & J) (Note B & J)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35) (Line 10) (Line 36 + 37)	756,323,29 101,368,99 56,686,34 12,618,24 145,437 5,264,20 150,701,29 15,5000 23,358,70 15,868,64
Transmission Accumulated Depreciation Accumulated General Depreciation - Electric Less: Amount of General Depreciation Associated with Acct. 397 Balance of Accumulated General Depreciation Accumulated Intangible Amortization - Electric Accumulated General and Intangible Depreciation Ex. Acct. 397 Wage & Salary Allocator Subtotal General and Intangible Accum. Depreciation Allocated to Transmission	(Note B & J) (Note B & J) (Note B & J) (Note B)	Attachment 5 Attachment 5 (Line 33 + Line 34 - Line 35) (Line 10) (Line 36 + 37) (Line 5) (Line 38 * Line 39)	101,368,95 56,686,34 12,618,24 145,437,05 5,264,20 150,701,25 15,5000 23,358,70

ATTA	c Service Electric and Gas Company CHMENT H-10A		FERC Form 1 Page # or	12 Months Ended 12/31/2016
	ula Rate Appendix A	Notes	Instruction	12/31/2016
	ed cells are input cells tment To Rate Base			
44	Accumulated Deferred Income Taxes ADIT net of FASB 106 and 109	(Note Q)	Attachment 1	-1,781,469,260
	CWIP for Incentive Transmission Projects			
45	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	C
46	Plant Held for Future Use	(Note C & Q)	Attachment 5	26,120,911
	Prepayments			
47	Prepayments	(Note A & Q)	Attachment 5	-288,864
40	Materials and Supplies	(1)	Au. 1 5	,
48 49	Undistributed Stores Expense Wage & Salary Allocator	(Note Q)	Attachment 5 (Line 5)	15.5000%
50	Total Undistributed Stores Expense Allocated to Transmission		(Line 3) (Line 48 * Line 49)	13.3000 /
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
50	Outstanding Network Oredits	(Note N & Q))	Attaciment 5	•
57	Total Adjustment to Rate Base		(Lines 44 + 45 + 45a + 46 + 47 + 52 + 55 - 56)	(1,405,051,064)
58	Rate Base		(Line 43 + Line 57)	6,130,070,519
Opera	ttions & Maintenance Expense			
	Transmission O&M			
59	Transmission O&M	(Note O)	Attachment 5	100,364,698
60 61	Plus Transmission Lease Payments Transmission O&M	(Note O)	Attachment 5 (Lines 59 + 60)	0 100,364,698
	Allocated Administrative & General Expenses			
62	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 Sum (Lines 62 to 63) - Sum (Lines 64 to 68)	193,094,974
69 70	Administrative & General Expenses			15.5000%
71	Wage & Salary Allocator Administrative & General Expenses Allocated to Transmission		(Line 5) (Line 69 * Line 70)	29,929,721
	Directly Assigned A&G			•
72	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
	General Advertising Exp Account 930.1	(Note F & O)	Attachment 5	0
76			(Line 75 + Line 76)	4,631,400
76 77	Total Accounts 928 and 930.1 - General			
76	Net Plant Allocator A&G Directly Assigned to Transmission		(Line 78 * Line 78) (Line 77 * Line 78)	55.0436% 2,549,291

	ce Electric and Gas Company				
ATTACHME	NT H-10A				
Formula Pa	te Appendix A		Notes	FERC Form 1 Page # or Instruction	12 Months Ended 12/31/2016
	s are input cells		Notes	mon doctors	12/01/2010
	n & Amortization Expense				
	ciation Expense	Pro Assert Control Transport	(1) (1) (1)	August 1994 E	100 107 07
	nsmission Depreciation Expense Include ortization of Abandoned Plant Projects	ding Amortization of Limited Term Plant	(Note J & O) (Note R)	Attachment 5 Attachment 5	196,487,97
	neral Depreciation Expense Including A	mortization of Limited Term Plant	(Note J & O)	Attachment 5	17,537,76
	s: Amount of General Depreciation Exp		(Note J & O)	Attachment 5	3,244,25
	ance of General Depreciation Expense		((Line 82 - Line 83)	14,293,50
	ingible Amortization		(Note A & O)	Attachment 5	9,439,03
86 Tot				(Line 84 + Line 85)	23,732,54
	ge & Salary Allocator	artica Allegare Las Transcallados		(Line 5)	15.509
	neral Depreciation & Intangible Amortiza neral Depreciation Expense for Acct. 39		(Note J & O)	(Line 86 * Line 87) Attachment 5	3,678,54 1,698,46
		nortization Functionalized to Transmission	(Note 3 & O)	(Line 88 + Line 89)	5,377,00
00 00.				(2.1.0 00 1 2.1.0 00)	5,511,55
91 Total	Transmission Depreciation & Amort	ization		(Lines 81 + 81a + 90)	201,864,98
Taxes Other	r than Income Taxes				
92 Taxes	Other than Income Taxes		(Note O)	Attachment 2	10,150,418
93 Total	Taxes Other than Income Taxes			(Line 92)	10,150,418
				(
	oitalization Calculations				
94 Long	Term Interest			p117.62.c through 67.c	252,018,266
95 Prefe	rred Dividends		enter positive	p118.29.d	(
	non Stock				
	prietary Capital		(Note P)	Attachment 5	6,377,924,57
	ess Accumulated Other Comprehensiv	re Income Account 219	(Note P)	Attachment 5	1,408,02
	ess Preferred Stock. ess Account 216.1		(Note P)	(Line 106) Attachment 5	3,430,28
	mmon Stock		(Note F)	(Line 96 - 97 - 98 - 99)	6,373,086,26
				(=	5,5.5,555,55
	alization				
	ng Term Debt		(Note P)	Attachment 5	5,939,268,87
102	Less Loss on Reacquired Debt		(Note P)	Attachment 5	77,696,49
103 104	Plus Gain on Reacquired Debt Less ADIT associated with Gain or Los		(Note P) (Note P)	Attachment 5 Attachment 5	23,902,95
	al Long Term Debt	55	(Note P)	(Line 101 - 102 + 103 - 104)	5,837,669,43
	ferred Stock		(Note P)	Attachment 5	3,037,003,43
	mmon Stock		(Note 1)	(Line 100)	6,373,086,26
	al Capitalization			(Sum Lines 105 to 107)	12,210,755,69
109 Del	ot %	Total Long Term Debt		(Line 105 / Line 108)	47.81%
110 Pre	ferred %	Preferred Stock		(Line 106 / Line 108)	0.009
111 Cor	mmon %	Common Stock		(Line 107 / Line 108)	52.199
112 Del	ot Cost	Total Long Term Debt		(Line 94 / Line 105)	0.043
	ferred Cost	Preferred Stock		(Line 95 / Line 106)	0.000
	mmon Cost	Common Stock	(Note J)	Fixed	0.116
115 We	ighted Cost of Debt	Total Long Term Debt (WCLTD)		(Line 109 * Line 112)	0.020
116 We	ighted Cost of Preferred	Preferred Stock		(Line 110 * Line 113)	0.000
117We	ighted Cost of Common	Common Stock		(Line 111 * Line 114)	0.061
118 Rate 6	of Return on Rate Base (ROR)			(Sum Lines 115 to 117)	0.081
110 Invest	tment Return = Rate Base * Rate of R	Return		(Line 58 * Line 118)	500,212,28

	Service Electric and Gas Company				
					12 Months Ended
	la Rate Appendix A d cells are input cells		Notes	Instruction	12/31/2016
	osite Income Taxes				
	ncome Tax Rates				
120	FIT=Federal Income Tax Rate		(Note I)		35.00%
121 122	SIT=State Income Tax Rate or Composite p	(percent of federal income tax deductible for state purposes)		Per State Tax Code	9.00%
123	Ť	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =		To State Tax 5555	40.85%
124	T / (1-T)				69.06%
	TC Adjustment				
125 126	Amortized Investment Tax Credit 1/(1-T)	enter negative	(Note O)	Attachment 5 1 / (1 - Line 123)	-868,658 169.06%
127	Net Plant Allocation Factor			(Line 18)	55.04%
128	ITC Adjustment Allocated to Transmission			(Line 125 * Line 126 * Line 127)	-808,353
129	ncome Tax Component =	(T/1-T) * Investment Return * (1-(WCLTD/ROR)) =		[Line 124 * Line 119 * (1- (Line 115 / Line 118))]	258,079,126
130	Total Income Taxes			(Line 128 + Line 129)	257,270,773
				(Line 120 + Line 123)	231,210,113
Reven	ue Requirement				
131	Summary Net Property, Plant & Equipment			(Line 43)	7 505 101 500
131	Total Adjustment to Rate Base			(Line 43) (Line 57)	7,535,121,583 -1,405,051,064
133	Rate Base			(Line 58)	6,130,070,519
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
137 138	Investment Return Income Taxes			(Line 119) (Line 130)	500,212,287 257,270,773
				(Sum Lines 134 to 138)	
139	Gross Revenue Requirement			(Sum Lines 134 to 136)	1,102,651,156
140	Adjustment to Remove Revenue Requirements Transmission Plant In Service	Associated with Excluded Transmission Facilities		(Line 19)	8,259,324,176
141	Excluded Transmission Facilities		(Note B & M)	Attachment 5	0,200,024,170
142	Included Transmission Facilities			(Line 140 - Line 141)	8,259,324,176
143 144	Inclusion Ratio Gross Revenue Requirement			(Line 142 / Line 140) (Line 139)	100.00% 1,102,651,156
145	Adjusted Gross Revenue Requirement			(Line 143 * Line 144)	1,102,651,156
	Revenue Credits & Interest on Network Credits				
146	Revenue Credits		(Note O)	Attachment 3	26,187,113
147	Interest on Network Credits		(Note N & O)	Attachment 5	C
148	Net Revenue Requirement			(Line 145 - Line 146 + Line 147)	1,076,464,043
	Net Plant Carrying Charge				
149	Gross Revenue Requirement	N4		(Line 144)	1,102,651,156
150 151	Net Transmission Plant, CWIP and Abandoned F Net Plant Carrying Charge	rant		(Line 19 - Line 32 + Line 45 + Line 45a) (Line 149 / Line 150)	7,827,288,859 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%
	Net Plant Carrying Charge Calculation per 100 E			(1) 444 11 40 7 11 400	0
154 155	Gross Revenue Requirement Less Return and T Increased Return and Taxes	axes		(Line 144 - Line 137 - Line 138) Attachment 4	345,168,096 811,573,184
156	Net Revenue Requirement per 100 Basis Point in	ncrease in ROE		(Line 154 + Line 155)	1,156,741,280
157	Net Transmission Plant, CWIP and Abandoned F	Plant		(Line 19 - Line 32 + Line 45 + Line 45a)	7,827,288,859
158 159	Net Plant Carrying Charge per 100 Basis Point in Net Plant Carrying Charge per 100 Basis Point in			(Line 156 / Line 157) (Line 156 - Line 81) / Line 157	14.7783% 12.2680%
160	Net Revenue Requirement	·		(Line 148)	1,076,464,043
161	True-up amount			Attachment 6	-20,019,061
162	Plus any increased ROE calculated on Attachme	nt 7 other than PJM Sch. 12 projects not paid by other PJM transmiss	sion zones	Attachment 7	7,783,969
163 164	Facility Credits under Section 30.9 of the PJM On Net Zonal Revenue Requirement	ATT		Attachment 5 (Line 160 + 161 + 162 + 163)	1,064,228,952
	Network Zonal Service Rate				
	1 CP Peak		(Note L)	Attachment 5	9,594.9
165				(1 := = 404 / 405)	110,916
165 166	Rate (\$/MW-Year)			(Line 164 / 165)	110,910

Public Service Electric and Gas Company

FERC Form 1 Page # or Formula Rate -- Appendix A Notes Instruction

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 filling, 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.

2 Months Ended 12/31/2016

	Only Transmission Related	Plant Related	Labor Related	Total ADIT	Page 1 of 3
ADIT- 282 ADIT-283	0	(2,919,714,523) (403,873,845)	0	From Acct. 282 total, below From Acct. 283 total, below	
ADIT-190 Subtotal	0	(945,635)	5,505,113 5,505,113	From Acct. 190 total, below	
Subtotal Wages & Salary Allocator Net Plant Allocator	0	(3,324,534,003) 55.0436%	15.5000%		
End of Year ADIT End of Previous Year ADIT (from Sheet 1A-ADIT (3))	0	(1,829,944,178) (1,734,700,927)	853,292 853,292	(1,829,090,886) (1,733,847,634)	
Average Beginning and End of Year ADIT	0	(1,782,322,553)	853,292 853,292	(1,733,647,634) (1,781,469,260) Appendix A, Line 44	

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 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.

A	В	С	D	E	F	G
ADIT-190	Total	Gas, Prod Or Other	Only Transmission	Plant	Labor	
		Related	Related	Related	Related	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 \$ Acfc	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 Reg Requirement	7.712.117			7.712.117		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
Subtotal - p234	181,476,871	339,189		17,933,477	163,204,205	
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	
Total	4,898,666	339,189		(945,635)	5,505,113	

Instructions for Account 190:

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

Page 2 of 3

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B Total	C Gas. Prod	D Only	E	F	G
ADIT- 282	750.0	Or Other Related	Transmission Related	Plant Related	Labor Related	Justification
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
Subtotal - p275	(3,227,705,804)			(3,227,705,804)		
Less FASB 109 Above if not separately removed	(307,991,280)			(307,991,280)		
Less FASB 106 Above if not separately removed						
Total	(2 919 714 523)			(2 919 714 523)		

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

- 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

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 Jersev 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 Reacquired 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 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	(212,704,037)			(212,704,037)		FASB 109 - gross-up
Subtotal - p277	(868,020,751)	(249,824,398)		(618,196,353)	_	
Less FASB 109 Above if not separately removed	(214,322,508)			(214,322,508)		
Less FASB 106 Above if not separately removed						
Total	(653 698 243)	(249 824 398)		(403 873 845)		

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

Page 3 of 3

	Only Transmission Related	Plant Related	Labor Related	Total ADIT	Page 1 of 3
ADIT- 282	0	(2,776,299,686)	0	From Acct, 282 total, below	
ADIT-283	ő	(374,256,393)	ő	From Acct, 283 total, below	
ADIT-190	Ó	(945,635)	5,505,113	From Acct, 190 total, below	
Subtotal	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 108

[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.

A	B Total	C Gas. Prod	D Only	E	F	G
ADIT-190	Total	Or Other	Transmission	Plant	Labor	
		Related	Related	Related	Related	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 Pav	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 \$ Acfc	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 Reg Requirement	7,712,117			7,712,117		FASB 109 - deferred tax asset primarily associated with items previously flowed through due to regulation
Subtotal - p234	181,476,871	339,189		17,933,477	163,204,205	
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	
Total	4,898,666	339,189		(945,635)	5,505,113	

- 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

Page 2 of 3

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	В	С	D	E	F	G
ADIT- 282	Total	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	Justification
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
Subtotal - p275	(3,080,351,765)			(3,080,351,765)		
Less FASB 109 Above if not separately removed	(304,052,079)			(304,052,079)		
Less FASB 106 Above if not separately removed						
Total	(2,776,299,686)			(2,776,299,686)		

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

Page 3 of 3 C D Related E Plant F Labor G ADIT-283 Total Securitization Regulatory Asset 1.022.247.426 1.022.247.426 Generation Related (Securitization of Stranded Costs) (968,676,613) (968,676,613) Securitization - Federal Generation Related (Securitization of Stranded Costs) Securitization - State (161,907,377) (161,907,377) Generation Related (Securitization of Stranded Costs) (24,412,903) (24,412,903) Environmental Cleanup Costs Book estimate accrued and expensed, tax deduction when paid - Manufactured Gas Plants (293 553 367 67.106.960 aw Jersev Corporate Income Tax - Plant Related- Contra Account of 190 NJCBT NJCBT - Step Up Basis 115.317.595 115.317.595 New Jersev 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 (113,677,936) (113,677,936) Accelerated Activity Plan Demand Side management and Associated Programs - Retail Related Loss on Reacquired Debt (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 Paver Advocate Assessment Sales Tax Reserve 1,122,289 1,122,289 Sales tax audit reserve liscellaneous (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 counting for Income Taxes (FAS109) - Federal FASB 109 - deferred tax liability primarily non-plant related items previously flowed through due to regulation (1.618.471 (1.618.471 ccounting for Income Taxes (FAS109) - Regulatory Requiremen FASB 109 - gross-up (282,827,897) Subtotal - p277 (868,686,319) (585,858,422) Less FASB 109 Above if not separately removed (211,602,029) (211,602,029) Less FASB 106 Above if not separately removed (657,084,291) (374,256,393)

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

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

Oth	er Taxes	Page 263 Col (i)	Allocator	Allocated Amount	
	Plant Related				
1 2	Real Estate Total Plant Related	20,497,000 20,497,000 I	N/A	Attac	chment #5
	Labor Related	Wages	& Salary Allocate	or	
3 4 5 6 7	FICA Federal Unemployment Tax New Jersey Unemployment Tax New Jersey Workforce Development	13,860,326 158,745 584,731 321,478			
8	Total Labor Related	14,925,280	15.5000%	2,313,418	
9	Other Included	Ne	t Plant Allocator		
10 11 12 13	Total Other Included	0	55.0436%	0	
	Total Included (Lines 8 + 14 + 19)	35,422,280	00.040070	10,150,418	
17	Total Included (Ellies 0 + 14 + 19)	00,422,200		10,100,410	
	Currently Excluded				
24	Corporate Business Tax TEFA Use & Sales Tax Local Franchise Tax PA Corporate Income Tax Municipal Utility Public Utility Fund Subtotal, Excluded Total, Included and Excluded (Line 20 + Line 28) Total Other Taxes from p114.14.g - Actual	0 0 0 0 0 0 0 0 0 35,422,280			
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

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

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

Α 811,573,184 В 100 Basis Point increase in ROE 1.00%

				Appendix A Line or Source Reference	•
	Rate Base			(Line 43 + Line 57)	6,130,070,51
	Long Term Interest			p117.62.c through 67.c	252,018,26
	Preferred Dividends	enter po	sitive	p118.29.d	
	Common Stock				
	Proprietary Capital			Attachment 5	6,377,924,5
	Less Accumulated Other Comprehensive Inco	ome Account 219		p112.15.c	1,408,0
	Less Preferred Stock			(Line 106)	
	Less Account 216.1			Attachment 5	3,430,2
	Common Stock			(Line 96 - 97 - 98 - 99)	6,373,086,2
	Capitalization				
	Long Term Debt			Attachment 5	5,939,268,8
	Less Loss on Reacquired Debt			Attachment 5	77,696,4
	Plus Gain on Reacquired Debt			Attachment 5	
	Less ADIT associated with Gain or Loss			Attachment 5	23,902,9
	Total Long Term Debt			(Line 101 - 102 + 103 - 104)	5,837,669,4
	Preferred Stock			Attachment 5	-,,,-
	Common Stock			(Line 100)	6,373,086,2
	Total Capitalization			(Sum Lines 105 to 107)	12,210,755,6
	Debt %	Total Lor	ng Term Debt	(Line 105 / Line 108)	47.8
	Preferred %	Preferred		(Line 106 / Line 108)	0.0
	Common %	Common		(Line 107 / Line 108)	52.2
	Debt Cost	Total Lor	ng Term Debt	(Line 94 / Line 105)	0.04
	Preferred Cost	Preferred		(Line 95 / Line 106)	0.00
	Common Cost	Common	Stock	(Line 114 + 100 basis points)	0.126
	Weighted Cost of Debt	Total Lor	ng Term Debt (WCLTD)	(Line 109 * Line 112)	0.02
	Weighted Cost of Preferred	Preferred	d Stock	(Line 110 * Line 113)	0.00
	Weighted Cost of Common	Common		(Line 111 * Line 114)	0.06
	Rate of Return on Rate Base (ROR)			(Sum Lines 115 to 117)	0.08
	Investment Return = Rate Base * Rate of Return			(Line 58 * Line 118)	532,206,5
				(ame see ame vee)	
osi	te Income Taxes				
	Income Tax Rates				25.00
	FIT=Federal Income Tax Rate				35.00
	SIT=State Income Tax Rate or Composite				9.0
	\underline{p} = percent of federal income tax deductible for			Per State Tax Code	0.00
	T	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =			40.85
	CIT = T / (1-T)				69.06
	1 / (1-T)				169.00
	ITC Adjustment				
	Amortized Investment Tax Credit		enter negative	Attachment 5	-868,6
	1/(1-T)			1 / (1 - Line 123)	169
	Net Plant Allocation Factor			(Line 18)	55.043
	ITC Adjustment Allocated to Transmission			(Line 125 * Line 126 * Line 127)	-808,3

279,366,589

Total Income Taxes

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

Electric / N	Ion-electric Cost Support			Previous Year						Current Year	2016 Projected							
Line #s	Descriptions	Notes	Page #'s & Instructions	Form 1Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Form 1 Dec	Average	Non-electric Portion
	Plant Allocation Factors																	
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	1
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	1
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	1
10	Accumulated Intangible Amortization	(Note B)	p200.21c	4,488,131	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	6,085,765	5,264,202	1
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	1
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	1
	Plant In Service																	i
4.0		(N	-007.50	7 500 040 444	7 500 000 004	7 621 476 748	7040000444	7 004 007 004	0.440.054.005	0.004.404.004	8 627 249 568	0.004.407.005	0.000.007.004	0.044.004.500	0.055.445.005	0.050.000.004	8.259.324.176	1
19	Transmission Plant in Service (Excludes Asset Retirement Costs - ARC)	(Note B)	p207.58.g	7,562,948,414	7,589,922,081		7,812,068,414	7,864,207,081	8,148,051,235	8,621,101,901		8,631,197,235	8,638,827,901	8,641,864,568	8,655,415,235	8,956,883,901		4
20	General (Excludes Asset Retirement Costs - ARC)	(Note B)	p207.99.g	225,961,970	226,599,498	227,786,249	228,958,771	230,244,515	231,244,669	232,396,468	233,677,456	222,630,117	223,954,750	225,064,963	226,389,597	226,999,650	227,839,129	4
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	10,945,138	7,967,491	4
22	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	4
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	20,752,545	21,594,858	22,437,171	23,279,484	24,121,797	21,195,573	1
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	4
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	15,481,067	15,481,067	15,481,067	15,481,067	15,481,067	17,067,231	1
	Accumulated Depreciation																	4
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	1
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	94,133,229	94,406,712	94,480,081	94,784,746	94,392,021	101,368,991	1
34	Accumulated Common Plant Depreciation & Amortization - Electric	(Note B & J)	p356	54,059,996	55,014,058	55,835,551	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	1
35	Accumulated General Depreciation Associated with Acct. 397	(Note B & J)	Company Records	12,048,566	12,296,060	12,567,241	12,860,064	13,172,436	13,503,697	13,853,617	14,221,574	11,121,809	11,496,296	11,887,073	12,293,435	12,715,305	12,618,244	
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

Line #s	Descriptions Notes	Page #5 & Instructions	End of Year
2	Total Wage Expense (Note A Total A&G Wages Expense (Note A) p354.28b	198,680,651 6,226,170 29,830,445
3	Total A&G Wages Expense (Note A) p354.27b	6,226,170
1	Transmission Wages) p364.28b p364.27b p364.27b	29,830,445
,	Turbiniston Trages	pooralio	20,00

Transmission / Non-transmission Cost Support

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

Prepayments

				Electric Beginning			Wage & Salary	
Line #s	Descriptions	Notes Page #'s & Instructions	Previous Year	Year Balance	Year Balance	Average Balance	Allocator	To Line 47
	Prepayments							
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

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

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

O&M Expenses

Uα	m Expense	5			
Lin	e #s	Descriptions	Notes	Page #'s & Instructions	End of Year
	59	Transmission O&M	(Note O)	p.321.112.b	100,364,698
	60	Transmission Lease Payments		p.321.112.b p.321.96.b	-

Property Insurance Expenses

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year
65	Property Insurance Account 924	(Note O)	p322.185b	4,631,400

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

Adjustments	to A	& G	Ex	pense
-------------	------	-----	----	-------

Line #s	Descriptions Notes	Page #'s & Instructions	End of Year
6	2 Total A&G Expenses	p323.197b	215,993,171
6	3 Actual PBOP expense (Note J) 4 Actual PBOP expense (Note O)	Company Records Company Records	28,522,987 33,272,121

Regulatory Expense Related to Transmission Cost Support

Regula	egulatory Expense Related to Transmission Cost Support							
Line #s	B	Notes Page #5 & Instructions	End of Year	Transmission Related				
Line #s	Descriptions	Notes rage to a manufacturing	Lild of Tear	Related				
	Allocated General & Common Expenses							
6	Regulatory Commission Exp Account 928	(Note E & O) p323.189b	10,672,984	0				
	Directly Assigned A&G							
7:	Regulatory Commission Exp Account 928	(Note G & O) p351.11-13h	308,984	308,984				

General & Common Expenses

Line #s	Descriptions	Notes Page #5 & instructions	End of Year	EPRI Dues
68	Less EPRI Dues	(Note D & O) p352-353	0	0

Safety Related Advertising Cost Support

					Non-safety
Line #s	Descriptions	Notes Page #'s & Instructions	End of Year	Safety Related	Related
	Directly Assigned A&G				
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

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

Depreciation Expense

Line #s	Descriptions	Notes Page Fs & Instructions	End of Year
	Depreciation Expense		
81 82	Depreciation-Transmission Depreciation-General & Common	(Note J & O) p336.7.f (Note J & O) p336.10&11.f	196,487,978 17.537.763
83 85 89	Depreciation-General Expense Associated with Acct. 397 Depreciation-Intangible Transmission Depreciation Expense for Acct. 397	(Note J & O) Company Records (Note A & O) p38£1.1 (Note A & O) Company Records	196,487,978 17,537,763 3,244,255 9,439,036 1,698,462

Direct Assignment of Transmission Real Estate Taxes

Line #s	Descriptions	Notes	Page #'s & Instructions	End of Year	Related	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 properly by major classification.
Every parcel is associated with a Lot & Block number. These Lot & Blocks are identified to a particular type of properly and are labeled. This is the breakout of transmission real estate taxes from total electric

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

Poturn	Canitalization	

Line #s	Descriptions !	Notes	Page #'s & Instructions	2013 End of Year	2014 End of Year	Average
96		(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 (N	Note P)	p112.15.c,d	1,083,198	1,732,845	1,408,022
99	Account 216.1 (N	(Note P)	p119.53.c&d	3,537,410	3,323,160	3,430,285
101	Long Term Debt (N	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 (N	(Note P)	p111.81.c,d	81,363,909	74,029,072	77,696,491
103	Gain on Reacquired Debt (N	(Note P)	p113.61.c,d	0	0	0
104	ADIT associated with Gain or Loss on Reacquired Debt (N	(Note P)	p277.3.k (footnote)	30,823,791	16,982,115	23,902,953
106	Preferred Stock (N	(Note P)	p112.3.c,d	0	0	0

MultiState Workpaper

Line #s	s Descriptions	Notes Page #5.8 Instructions	State 1	State 2	State 3
	Income Tax Rates				
12	21 SIT=State Income Tax Rate or Composite	(Note I)	NJ 9.00%		

Amortized Investment Tax Credit

Amortizee				
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 #5 & 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 No	otes 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
	Network Zonal Service Rate			
165	1 CP Peak	(Note L)	PJM Data	9,594.9

Abandoned Transmission Projects

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:

- 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. 2 (i)
- 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). (ii)
- (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

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

- 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.
- 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 its 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

Month

ATRR based on actual costs included for the previous calendar year but excludes the true-up adjustment. 717,516,447 ATRR based on projected costs included for the previous calendar year but excludes the true-up adjustment. Difference (A-B)
Future Value Factor (1+i)^24 736 263 946 -18,747,499 <Note: for the first rate year, divide this 1.06783 reconciliation amount by 12 and multiply

-20,019,061 by the number of months and fractional months the rate was in effect.

True-up Adjustment (C*D)

Where:

i = average interest rate as calculated below

Interest on Amount of Refunds or Surcharges Month Yr

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

- 1										Estimated Ad	ditions - 2016					
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(0)	(P)
	(6)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated	New Bergen 345/230 kV transformer and any associated substation	New Bergen 345/138 kV transformer #1 and any associated substation	Ridge Road 69kV Breaker	Cox's Corner- Lumberton	Sewaren Switch 230kV	(L)	Susquehanna Roseland Breakers	Susquehanna Roseland	Susquehanna	Burlington - Camden 230k\
		upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	Station	230kV Circuit	Conversion		(B0489.5-	<500kV	Roseland >=	Conversion
		(B2436.10)	(B2436.21)	(B2436.22)	(B2436.90)	(B2436.91)	(B2437.10)	(B2437.11)	(B1255)	(B1787)	(B2276)		B0489.15)	(B0489.4)	500KV (B0489)	(B1156)
	Other Projects PIS	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly		(monthly	(monthly	(monthly	(monthly
	(monthly additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)		additions)	additions)	additions)	additions)
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)		(in service)	(in service)	(in service)	(in-service)
Dec-15										15,515,959	12,035,060		5,857,687	40,538,248	723,503,148	354,730,847
Jan	18,477,450	1,292,000	-	-	-	-		-	-	292,589	6,161,628		-	-		-
Feb	30,129,943	-	-	-	-	-		-	-	12,153	662,570		-		-	-
Mar	89,201,680	-				-				17,462,834	695,152		-		-	
Apr	51,470,985	-	-	-	-	-		-	-	456,590	211,091		-		-	-
May	55,847,505	-							27,803,197	10,247	3,114,183		-		-	-
Jun	90,921,487	152,684,178	19,694,890	19,694,890	27,239,122	19,694,915	25,264,003	25,264,003	5,906,041	13,190	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	-	235,035		-		-	-
Oct	2,771,205	-	-	-	-	-		-	-	-	195,462		-		-	-
Nov	13,085,768	-		-	-	-	-	-	-	-	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		5,857,687	40,538,248	723,503,148	354,730,847

					Estin	nated Transmiss	ion Enhanceme	ent Charges (Bel	ore True-Up) - 2	2016					
							Branchburg-	Flagtown-			Reconductor	Reconductor	Reconductor	Branchburg	Saddle Brook -
						Metuchen	Flagtown-	Somerville-	Roseland	Wave Trap	Hudson - South	South Mahwah	South Mahwah	400 MVAR	Athenia
	Branchburg	Kittatinny	Essex Aldene	New Freedom		Transformer	Somerville	Bridgewater	Transformers	Branchburg	Waterfront	J-3410 Circuit	K-3411 Circuit	Capacitor	Upgrade Cable
Total Projects	(B0130)	(B0134)	(B0145)	Trans.(B0411)	Loop (B0498)	(B0161)	(B0169)	(B0170)	(B0274)	(B0172.2)	(B0813)	(B1017)	(B1018)	(B0290)	(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

١						Actua	Transmission	Enhancement C	harges - 2014							
ı																
ı																
ı																
							Metuchen	Branchburg- Flagtown-	Flagtown- Somerville-	Roseland	Wave Trap	Reconductor Hudson - South	Reconductor	Reconductor		Saddle Brook - Athenia
		Branchburg	Kittatinny	Essex Aldene		New Freedom	Transformer	Somerville	Bridgewater	Transformers	Branchburg	Waterfront	J-3410 Circuit	K-3411 Circuit	Capacitor	Upgrade Cable
-	Total Projects	(B0130)	(B0134)	(B0145)	Trans.(B0411)		(B0161)	(B0169)	(B0170)	(B0274)	(B0172.2)	(B0813)	(B1017)	(B1018)	(B0290)	(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

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															Page 7 of 1
					R	econciliation by	y Project (witho	ut interest)							
							Branchburg-	Flagtown-			Reconductor	Reconductor	Reconductor	Branchburg	Saddle Brook
						Metuchen	Flagtown-	Somerville-	Roseland	Wave Trap	Hudson - South	South Mahwah	South Mahwah	400 MVAR	Athenia
	Branchburg	Kittatinny	Essex Aldene		New Freedom	Transformer	Somerville	Bridgewater	Transformers	Branchburg	Waterfront	J-3410 Circuit	K-3411 Circuit	Capacitor	Upgrade Cab
Total Projects	(B0130)	(B0134)	(B0145)	Trans.(B0411)	Loop (B0498)	(B0161)	(B0169)	(B0170)	(B0274)	(B0172.2)	(B0813)	(B1017)	(B1018)	(B0290)	(B0472)
12,872,004	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	1,005,13
	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	1.0678
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	1.0678
					Tr	ue Up by Projec	t (with interest)	- 2014							
							Branchburg-	Flagtown-			Reconductor	Reconductor	Reconductor	Branchburg	Saddle Brook
						Metuchen	Flagtown-	Somerville-	Roseland	Wave Trap	Hudson - South	South Mahwah	South Mahwah	400 MVAR	Athenia
	Branchburg	Kittatinny	Essex Aldene	New Freedom	New Freedom	Transformer	Somerville	Bridgewater	Transformers	Branchburg	Waterfront	J-3410 Circuit	K-3411 Circuit	Capacitor	Upgrade Cab
Total Projects	(B0130)	(B0134)	(B0145)	Trans.(B0411)	Loop (B0498)	(B0161)	(B0169)	(B0170)	(B0274)	(B0172.2)	(B0813)	(B1017)	(B1018)	(B0290)	(B0472)
13,745,056	754,759	301,028	3,320,514	834,155	(255,213)	1,108,281	(931,603)	280,394	505,383	(991)		837,303	160,214	6,726,321	1,073,30
10,140,000	104,100	001,020	0,020,014	004,100	(200,210)	1,100,201	(501,000)	200,004	000,000	(551)	00,470	000,100	100,214	0,720,021	1,070,00
				Entimoto	d Transmission Er	hanaamant Chara	on (After True He)	2016							
				Estillate	u mansinission Ei	mancement charg	es (Alter True Op)	- 2016			1				
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							Branchhurg-	Flagtown-					Reconductor	Branchburg	Saddle Broo
						Metuchen	Branchburg- Flagtown-	Flagtown- Somerville-	Roseland	Wave Tran	Reconductor Hudson - South	Reconductor South Mahwah	Reconductor South Mahwah	Branchburg 400 MVAR	
	Branchburn	Kittatinny	Essex Aldene	New Freedom	New Freedom	Metuchen Transformer	Flagtown-	Somerville-	Roseland Transformers	Wave Trap Branchburg	Hudson - South	South Mahwah	South Mahwah	400 MVAR	Athenia
Total Projects	Branchburg (B0130)	Kittatinny (B0134)	Essex Aldene (B0145)	New Freedom Trans (B0411)	New Freedom	Transformer	Flagtown- Somerville	Somerville- Bridgewater	Transformers	Branchburg	Hudson - South Waterfront	South Mahwah J-3410 Circuit	South Mahwah K-3411 Circuit	400 MVAR Capacitor	Upgrade Cab
Total Projects 544.432.627	Branchburg (B0130) 3.071.297	Kittatinny (B0134) 1,240.095	Essex Aldene (B0145) 13.394.968	New Freedom Trans.(B0411) 3,385,901	New Freedom Loop (B0498) 2.982.832		Flagtown-	Somerville-			Hudson - South	South Mahwah	South Mahwah	400 MVAR	Athenia

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																ruge z or rr
													Estimated A	Additions - 2016		
(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	(AA)	(AB)	(AC)	(AD)	(AE)	(AF)	(AG)
												Convert the	Convert the	Convert the		
												Bergen - Marion	Marion -	Marion -	Construct a	Construct a
												138 kV path to	Bayonne "L"	Bayonne "C"		new North Ave -
				l			Mickleton-			l	l	double circuit	138 kV circuit	138 kV circuit	Bayonne 345	Bayonne 345
Mickleton-		Northeast Grid			North Central	Mickleton-	Gloucester-		Burlington -	Northeast Grid		345 kV and	to 345 kV and	to 345 kV and	kV circuit and	kV circuit and
Gloucester-	Reliability	Reliability	Susquehanna		Reliability	Gloucester-	Camden	Burlington -	Camden 230kV	Reliability	Reliability	associated	any associated	any associated	any associated	any associated
Camden	(West Orange	Project	Roseland <	Susquehanna	(West Orange	Camden	Breakers	Camden 230kV	Conversion	Project	Project	substation	substation	substation	substation	substation
(B1398-	Conversion)	(B1304.1-	500kV	Roseland >=	Conversion)	(B1398-	(B1398.15-	Conversion	(B1156.13-	(B1304.1-	(B1304.5-	upgrades	upgrades	upgrades	upgrades	upgrades
B1398.7)	(B1154)	B1304.4)	(B0489.4)	500kV (B0489)	(B1154)	B1398.7)	B1398.19)	(B1156)	B1156.20)	B1304.4)	B1304.21)	(B2436.10)	(B2436.21)	(B2436.22)	(B2436.33)	(B2436.34)
(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly
additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)
(in-service)	(in service)	(in service)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
426,457,348	368,260,297	556,734,941		-	-	-	-	-		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	1,257,968
750,000	-		-	-	-			-		5,845,761	3,662,739	9,858,798	795,393	771,086	1,848,131	1,216,452
-	-	83,232,000	-	-	-			-		(64,773,045)	(10,055,655)	10,106,025	576,115	547,120	2,715,958	1,591,387
-	-			-	-		-	-		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
-	-	2,545,844	-		-		-	-		-	-	(125,602,783)	(16,299,388)	(16,370,159)	3,523,357	1,873,264
-	-	1,330,000	-				-	-		-	-	1,071,325 847 822	256,343 851 579	173,130 507,670	3,300,333	2,283,094
-	-	350,000	-	•	-	-	-	-		-	-	847,822 155,864	1.191.612	322.165	3,598,113 4,218,543	3,293,819
- :		70.000			-		-	-				155,864	9,497,321	322,165 262.019	4,218,543 3,404,297	2,770,804
	-	70,000			-		-		-			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		-				-	-		-	3.108.397	19.887.254	5.133.133	46.154.190	31.456.933
421,331,340	300,200,297	041,001,000					-					3,106,397	10,007,234	3,133,133	40,134,190	31,430,933

				Estimated Tran	smission Enhar	cement Charge	es (Before True-	Up) - 2016								
																Convert the
																Bergen -
Branchburg-				230kV												Marion 138 kV path to double
Sommerville-		New Essex-		Lawrence				Upgrade	Susquehanna					North Central	Northeast Grid	
Flagtown	Somerville-	Kearny 138 kV		Switching	Bergen	Branchburg-	Aldene-	Camden-	Roseland	Susquehanna		Burlington -	Mickleton-	Reliability	Reliability	and associated
Reconductor	Bridgewater	circuit and	Salem 500 kV	Station	Substation	Middlesex	Springfield Rd.	Richmond	Breakers	Roseland <	Susquehanna	Camden 230kV	Gloucester-	(West Orange	Project	substation
(B0664 &	Reconductor	Kearny 138 kV	breakers	Upgrade	Transformer	Switch Rack	Conversion	230kV Circuit	(b0489.5-	500KV	Roseland >	Conversion	Camden(B139	Conversion	(B1304.1-	upgrades
B0665)	(B0668)	bus tie (B0814)	(B1410-B1415)	(B1228)	(B1082)	(B1155)	(B1399)	(B1590)	B0489.15)	(B0489.4)	500KV (B0489)	(B1156)	8-B1398.7)	(B1154)	B1304.4)	(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

4				Actual Transm	nission Enhance	ment Charges -	- 2014										
ı																	
ı																i I	
																	Convert the
ı																i I	Bergen -
ı	Branchburg-				230kV											i I	Marion 138 k
ı	Sommerville-		New Essex-		Lawrence				Upgrade	Susquehanna					North Central	Northeast Grid	circuit 345 k
ı	Flagtown	Somerville-	Kearny 138 kV		Switching	Bergen	Branchburg-	Aldene-	Camden-	Roseland	Susquehanna		Burlington -	Mickleton-	Reliability	Reliability	and associate
ı	Reconductor	Bridgewater	circuit and	Salem 500 kV	Station	Substation	Middlesex	Springfield Rd.	Richmond	Breakers	Roseland <	Susquehanna	Camden 230kV	Gloucester-	(West Orange	Project	substation
ı	(B0664 &	Reconductor	Kearny 138 kV	breakers	Upgrade	Transformer	Switch Rack	Conversion	230kV Circuit	(b0489.5-	500KV	Roseland >	Conversion	Camden(B139	Conversion)	(B1304.1-	upgrades
ı	B0665)	(B0668)	bus tie (B0814)	(B1410-B1415)	(B1228)	(B1082)	(B1155)	(B1399)	(B1590)	B0489.15)	(B0489.4)	500KV (B0489)	(B1156)	8-B1398.7)	(B1154)	B1304.4)	(B2436.10)
ſ	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	

					Attach	ment 6A - Proje	ct Specific Estir	nate and Recon	ciliation Worksh	eet - December	31, 2016					Page 8 of 11
				Recor	ciliation by Pro	ject (without in	terest)									
Branchburg- Sommerville- Flagtown Reconductor (B0664 & B0665) 2,551,429	Somerville- Bridgewater Reconductor (B0668) 527,890	New Essex- Keamy 138 kV circuit and Keamy 138 kV bus tie (B0814) 7,661,689	Salem 500 kV breakers (B1410-B1415) 1,486,192	230kV Lawrence Switching Station Upgrade (B1228) 313,509	Bergen Substation Transformer (B1082) (1,706,913)	Branchburg- Middlesex Switch Rack (B1155) 4,393,883	Aldene- Springfield Rd. Conversion (B1399) (235,937)	Upgrade Camden- Richmond 230kV Circuit (B1590) 234,599	Susquehanna Roseland Breakers (b0489.5- B0489.15) (467,903)	Susquehanna Roseland < 500kV (B0489.4) 537,530	Susquehanna Roseland > 500KV (B0489) 21,836,726	Burlington - Camden 230kV Conversion (B1156) (4,583,542)	Mickleton- Gloucester- Camden(B139 8-B1398.7) 5,279,191	North Central Reliability (West Orange Conversion) (B1154) (495,834)	Northeast Grid Reliability Project (B1304.1- B1304.4)	Convert the Bergen - Marion 138 h path to doub circuit 345 k and associati substation upgrades (B2436.10)
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 P	roject (with inte	rest) - 2014									
Branchburg- Sommerville- Flagtown Reconductor (B0664 & B0665) 2,724,481	Somerville- Bridgewater Reconductor (B0668) 563,695	New Essex- Keamy 138 kV circuit and Keamy 138 kV bus tie (B0814) 8,181,348	Salem 500 kV breakers (B1410-B1415) 1,586,994	230kV Lawrence Switching Station Upgrade (B1228) 334,773	Bergen Substation Transformer (B1082) (1,822,685)	Branchburg- Middlesex Switch Rack (B1155) 4,691,901	Aldene- Springfield Rd. Conversion (B1399) (251,940)	Upgrade Camden- Richmond 230kV Circuit (B1590) 250,511	Susquehanna Roseland Breakers (b0489.5- B0489.15) (499,639)	Susquehanna Roseland < 500KV (B0489.4) 573,988	Susquehanna Roseland > 500KV (80489) 23,317,816	Burlington - Camden 230kV Conversion (B1156) (4,894,424)	Mickleton- Gloucester- Camden(B139 8-B1398.7) 5,637,255	North Central Reliability (West Orange Conversion) (B1154) (529,464)	Northeast Grid Reliability Project (B1304.1- B1304.4)	Convert the Bergen - Marion 138 k path to doubl circuit 345 kl and associate substation upgrades (B2436.10)
				Estimated Transm	ission Enhancem	ent Charges (After	True Up) - 2016									
Branchburg- Sommerville- Flagtown Reconductor (B0664 & B0665) 5.138.662	Somerville- Bridgewater Reconductor (B0668) 1.396.346	New Essex- Kearny 138 kV circuit and Kearny 138 kV bus tie (80614) 14,219,399	Salem 500 kV breakers (B1410-B1415) 3,750,335	230kV Lawrence Switching Station Upgrade (B1228)	Bergen Substation Transformer (B1082) (1.822.685)	Branchburg- Middlesex Switch Rack (B1155) 13,935,901	Aldene- Springfield Rd. Conversion (B1399) 9,579,950	Upgrade Camden- Richmond 230kV Circuit (81590)	Susquehanna Roseland Breakers (b0489.5- B0489.15) 283.758	Susquehanna Roseland < 500KV (B0489.4) 6.316.485	Susquehanna Roseland > 500KV (B0489) 127.132.902	Burlington - Camden 230kV Conversion (B1156) 42.580.414	Mickleton- Gloucester- Camden(B139 8-B1398.7) 64.428.975	North Central Reliability (West Orange Conversion) (B1154) 48:245.194	Northeast Grid Reliability Project (B1304.1- B1304.4) 119.66.666	Convert the Bergen - Marion 138 k' path to doubl circuit 345 k\ and associate substation upgrades (g2436.10) 11.640.161

								Estimated A	dditions - 2016					
(AH)	(Al)	(AJ)	(AK)	(AL)	(AM)	(AN)	(AO)	(AP)	(AQ)	(AR)	(AS)	(AT)	(AU)	(AV)
	Relocate the		Relocate the											
	underground		overhead											
	portion of North		portion of				Relocate							
	Ave - Linden		Linden - North				Farragut -							
	"T" 138 kV		Ave "T" 138 kV	Convert the	Convert the	Convert the	Hudson "B"	Relocate the						
Construct a	circuit to	Construct a	circuit to	Bayway -	Bayway -	Bayway -	and "C" 345 kV	Hudson 2	New Bergen	New Bergen	New Bayway	New Bayway	New Linden	New Bayonne
new North Ave -	Bayway,	new Airport -	Bayway,	Linden "Z" 138	Linden "W" 138	Linden "M" 138	circuits to	generation to	345/230 kV	345/138 kV	345/138 kV	345/138 kV	345/230 kV	345/69 kV
Airport 345 kV	convert it to	Bayway 345 kV	convert it to	kV circuit to	kV circuit to	kV circuit to	Marion 345 kV	inject into the	transformer	transformer #1	transformer #1	transformer #2	transformer	transformer
circuit and any	345 kV, and	circuit and any	345 kV, and	345 kV and any		345 kV and any	and any	345 kV at	and any	and any	and any	and any	and any	and any
associated	any associated	associated	any associated	associated	associated	associated	associated	Marion and any	associated	associated	associated	associated	associated	associated
substation	substation	substation	substation	substation	substation	substation	substation	associated	substation	substation	substation	substation	substation	substation
upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	upgrades
(B2436.50)	(B2436.60)	(B2436.70)	(B2436.81)	(B2436.83)	(B2436.84)	(B2436.85)	(B2436.90)	(B2436.91)	(B2437.10)	(B2437.11)	(B2437.20)	(B2437.21)	(B2437.30)	(B2437.33)
(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly	(monthly
additions)	additions)	additions)	additions	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)	additions)
(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
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
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
603,980	236,768	480,510	328,276	328,276	344,185	344,185	2,408,793	746,630	1,314,800	454,800	159,376	159,376	657,555	21,755
743,599	850,301	273,245	1,701,230	1,701,230	853,196	853,196	2,641,682	427,737	1,168,824	2,028,824	659,573	659,573	40,562	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	1,478,270	3,490,603	2,034,206	2,034,206	2,048,041	2,048,041	(22,929,813)		(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	3,244,186	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
3,059,719	643,891	1,742,928	1,031,291	1,031,291	1,126,514	1,126,514	81,744	46,210	3,041	3,041	271,970	271,970	1,501,082	212,256
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 29.153.435	507,421 13,451,622	3,037,872 32,115,662	860,285 16.422.638	860,285 16,422,638	775,548 17.333.648	775,548 17.333.648	86,342 906,569	41,055 715,475	2,702 2,285,677	2,702 2,524,127	11,391 7.543.949	11,391 7,544,669	1,333,627 16,168,432	355,033 3.913.246

	1	1							1	1						
		Relocate														
		Farragut -														
Convert the	Convert the	Hudson "B"	Relocate the													
Marion -		and "C" 345 kV	Hudson 2	New Bergen	New Bergen											
Bayonne "L"	Bayonne "C"	circuits to	generation to	345/230 kV	345/138 kV										Mickleton-	
138 kV circuit	138 kV circuit	Marion 345 kV	inject into the	transformer	transformer #1								North Central	Mickleton-	Gloucester-	Burlington -
to 345 kV and	to 345 kV and	and any	345 kV at	and any	and any	Upgrade Eagle					Susquehanna	Susquehanna	Reliability	Gloucester-	Camden	Camden
any associated	any associated	associated	Marion and any	associated	associated	Point-	Mickleton-	Ridge Road	Cox's Corner-	Sewaren	Roseland <		(West Orange	Camden	Breakers	230kV
substation	substation	substation	associated	substation	substation	Gloucester	Gloucester	69kV Breaker	Lumberton	Switch 230kV	500KV	500KV	Conversion)	(B1398-	(B1398.15-	Conversion
upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	230kV Circuit	230kV Circuit	Station	230kV Circuit	Conversion	(B0489.4)	(B0489)	(B1154)	B1398.7)	B1398.19)	(B1156)
(B2436.21)	(B2436.22)	(B2436.90)	(B2436.91)	(B2437.10)	(B2437.11)	(B1588)	(B2139)	(B1255)	(B1787)	(B2276)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
1,480,230	1.480.230	2.047.240	1,480,232	1,898,794	1,898,794	1,654,204	2,525,192	2,807,871	4,125,793	9,480,938		•			•	

					Astual Taxasa	nission Enhance	Ch	2044								
					Actual Transn	nission Ennance	ement Charges	- 2014								
																ı
																ı
		Relocate														l
		Farragut -														l
Convert the	Convert the	Hudson "B"	Relocate the													ı
Marion -		and "C" 345 kV	Hudson 2	New Bergen	New Bergen											l
Bayonne "L"	Bayonne "C"	circuits to	generation to	345/230 kV	345/138 kV										Mickleton-	ı
		Marion 345 kV		transformer	transformer #1								North Central	Mickleton-	Gloucester-	Burlington -
to 345 kV and		and any	345 kV at	and any		Upgrade Eagle						Susquehanna	Reliability	Gloucester-	Camden	Camden
any associated			Marion and any		associated	Point-	Mickleton-	Ridge Road	Cox's Corner-	Sewaren	Roseland <		(West Orange	Camden	Breakers	230kV
substation	substation	substation	associated	substation	substation	Gloucester	Gloucester	69kV Breaker	Lumberton	Switch 230kV	500KV	500KV	Conversion)	(B1398-	(B1398.15-	Conversion
upgrades	upgrades	upgrades	upgrades	upgrades	upgrades	230kV Circuit	230kV Circuit	Station	230kV Circuit	Conversion	(B0489.4)	(B0489)	(B1154)	B1398.7)	B1398.19)	(B1156)
(B2436.21)	(B2436.22)	(B2436.90)	(B2436.91)	(B2437.10)	(B2437.11)	(B1588)	(B2139)	(B1255)	(B1787)	(B2276)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
1		1	1		1		l	1		1	1.646.580	31.002.624	3.895.715	16.099.944	65.596	7.020.285

					Attach	ment 6A - Proje	t Specific Estir	nate and Recon	ciliation Worksh	eet - December	31, 2016					Page 9 of 11
		Reco	nciliation by Pro	ject (without in	terest)											ruge o or rr
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)	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) (18.976.078)	North Central Reliability (West Orange Conversion) (B1154) (CWIP) (2.198.692)	Mickleton- Gloucester- Camden (B1398- B1398.7) (6.756.619)	Mickleton- Gloucester- Camden Breakers (B1398.15- B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (WIP) 8.909.571
											(3,240,317)	(10,970,070)	(2,130,032)	(0,730,013)	(25,300)	0,303,371
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
1.00/03	1.00703	1.00/63	1.00703	1.00763	1.00/63	1.00703	1.00763	1.00703	1.00/03	1.00/03	1.00703	1.00763	1.00703	1.00703	1,00783	1.00/63
		True Up by P	roject (with inte	rest) - 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 substated substated substated (B2436.90)	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades (B2436.91)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10)	New Bergen 345/138 kV transformer! and any associated substated substated substated (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) (5,604,287)	Susquehanna Roseland >= 500KV (B0489) (CWIP) (20,263,143)	North Central Reliability (West Orange Conversion) (B1154) (CWIP) (2,347,820)	Mickleton- Gloucester- Camden (B1398- B1398-7) (CWIP) (7,214,891)	Mickleton- Gloucester- Camden Breakers (B1398.15- B1398.19) (CWIP)	Burlington - Camden 230kV Conversion (B1156) (CWIP) 9,513,868
			Estimated Transm	nission Enhancem	ent Charges (After	True Up) - 2016										
Convert the Marion - Bayonne "L" 138 KV circuit to 345 kV and any associated substation upgrades (B2436.21) 1480.230	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (82436.22)	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)	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) 1.898.794	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11)	Upgrade Eagle Point- Gloucester 230kV Circuit (B1588) 1.654.204	Mickleton- Gloucester 230kV Circuit (B2139) 2.525.192	Ridge Road 69kV Breaker Station (B1255) 2.807.871	Cox's Corner- Lumberton 230kV Circuit (B1787) 4.125.793	Sewaren Switch 230kV Conversion (B2276) 9.480,938	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 200kV Conversion (B1156) (WIP) 9.513.868

ı	(AW)	(AX)	(AY)	(AZ)	(BA)	(BB)	(BC)	(BD)	(BE)	(BF)	(BG)	(BH)
	,,,,,	(1-1)	()	,	(== -)	(==)	(==)	(==)	(==/	,=-,	(==/	(=,
					Relocate Farragut -							
		Convert the Bergen -	Convert the Marion -	Convert the Marion -	Hudson "B" and "C"	Relocate the Hudson						
		Marion 138 kV path	Bayonne "L" 138 kV	Bayonne "C" 138 kV	345 kV circuits to	2 generation to inject						
		to double circuit 345		circuit to 345 kV and	Marion 345 kV and	into the 345 kV at	kV transformer and	kV transformer #1			Sewaren Switch	
		kV and associated	any associated	any associated	any associated	Marion and any	any associated	and any associated	Ridge Road 69kV	Cox's Corner-	230kV	
		substation upgrades				associated upgrades	substation upgrades	substation upgrades	Breaker Station	Lumberton 230kV	Conversion	
L		(B2436.10)	(B2436.21)	(B2436.22)	(B2436.90)	(B2436.91)	(B2437.10)	(B2437.11)	(B1255)	Circuit (B1787)	(B2276)	
		(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(in service)	(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								15,820,701	18,859,258	
Mar	89,201,680	1,292,000								33,283,535	19,554,410	
Apr	51,470,985	1,292,000	-	-				-		33,740,125	19,765,501	
May	55,847,505	1,292,000	19 694 890	19.694.890	27.239.122	19 694 915	-	25.264.003	27,803,197	33,750,372	22,879,684	
Jun	90,921,487	153,976,178					25,264,003		33,709,238	33,763,562	107,007,789	
Jul Aug	3,045,137	153,976,178 153,976,178	19,694,890 19,694,890	19,694,890 19,694,890	27,239,122 27,239,122	19,694,915 19,694,915	25,264,003 25,264,003	25,264,003 25,264,003	33,727,528 33,745,818	33,763,562 33,763,562	108,762,028	
	7.027.342	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 Oct	2,771,205	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	
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	664,678,193	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	883.026.559	
13 Month	004,070,100	1,004,250,245	101,004,221	107,004,227	150,070,000	107,004,402	110,040,020	170,040,020	204,042,210	554,254,175	000,020,000	
Average			1							ĺ		
CWIP to												
Appendix A,			1							ĺ		
line 45	51,129,092	83,407,173	10,604,941	10,604,941	14,667,220	10,604,954	13,603,694	13.603.694	20.310.939	29.558.783	67.925.120	
1	,-20,002	7.04	7.00	7.00	7.00	7.00	7.00	7.00	7.82	11.38	7.88	
1			1							1		
		•	•	•	•	•	•			•		

											Relocate the	
											overhead portion	
									Relocate the		of Linden - North	
									underground portion		Ave "T" 138 kV	Convert the
												Bayway - Linden
Burlington -			Convert the Bergen -			Construct a new	Construct a new	Construct a new	Linden "T" 138 kV	Airport - Bayway	convert it to 345	"Z" 138 kV circuit
Camden	Northeast Grid				Bayonne "C" 138 kV	Bayway - Bayonne	North Ave - Bayonne	North Ave - Airport	circuit to Bayway,	345 kV circuit and	kV, and any	to 345 kV and
230kV	Reliability		to double circuit 345	circuit to 345 kV and	circuit to 345 kV and	345 kV circuit and	345 kV circuit and	345 kV circuit and	convert it to 345 kV,	any associated	associated	any associated
Conversion	Project	Northeast Grid	kV and associated	any associated	any associated	any associated	any associated	any associated	and any associated	substation	substation	substation
(B1156.13-	(B1304.1-	Reliability Project	substation upgrades	substation upgrades	substation upgrades	substation upgrades	substation upgrades	substation upgrades	substation upgrades	upgrades	upgrades	upgrades
B1156.20)	B1304.4)	(B1304.5-B1304.21)	(B2436.10)	(B2436.21)	(B2436.22)	(B2436.33)	(B2436.34)	(B2436.50)	(B2436.60)	(B2436.70)	(B2436.81)	(B2436.83)
(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	CWIP
-	8,459,954	355,835	5,826,722	1,426,555	1,064,877	2,887,183	1,636,015	1,549,513	1,007,913	1,793,514	1,119,514	1,119,514

			Actual Transmissio	n Enhancement Char	ges - 2014							
											Relocate the	
											overhead portion	
									Relocate the		of Linden - North	
									underground portion		Ave "T" 138 kV	Convert the
										Construct a new		
Burlington -				Convert the Marion -		Construct a new	Construct a new	Construct a new				"Z" 138 kV circuit
Camden	Northeast Grid			Bayonne "L" 138 kV		Bayway - Bayonne	North Ave - Bayonne	North Ave - Airport	circuit to Bayway,	345 kV circuit and	kV, and any	to 345 kV and
230kV	Reliability		to double circuit 345	circuit to 345 kV and	circuit to 345 kV and	345 kV circuit and	345 kV circuit and	345 kV circuit and	convert it to 345 kV,	any associated	associated	any associated
Conversion	Project	Northeast Grid	kV and associated	any associated	any associated	any associated	any associated	any associated	and any associated	substation	substation	substation
(B1156.13-	(B1304.1-	Reliability Project		substation upgrades	substation upgrades	substation upgrades	substation upgrades	substation upgrades			upgrades	upgrades
B1156.20)	B1304.4)	(B1304.5-B1304.21)		(B2436.21)	(B2436.22)	(B2436.33)	(B2436.34)	(B2436.50)	(B2436.60)	(B2436.70)	(B2436.81)	(B2436.83)
(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
461,551	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

Attachment b.A.: Project Specinic Estimate and Reconciliation Worksheet - December 31, 2016
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												Page 10 of 11
			Reconciliat	ion by Project (withou	ut interest)							
Burlington - Camden 230kV Conversion (B1156.13- B1156.20) (CWIP) (615,050)	Northeast Grid Reliability Project (B1304.4) B1304.4) (CWIP) (26,513,038)	Northeast Grid Reliability Project (B1304.5-B1304.21) (CWIP) (3,159,564)	Convert the Bergen - Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (CWIP) 391,383	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (CWIP) 61,526	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.22) (CWIP) 58,653	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (CWIP) 74,197	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (CWIP) 58,912	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (CWIP) 41,991	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) 21,259	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (CWIP) 56,093	Relocate the overhead portion of Linden - North Ave 'T' 138 kV circuit to Bayway. convert it o 345 kV, and any associated substation upgrades (B2436.81) (CWIP)	Convert the Bayway - Linden "2" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (CWIP) 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
			True Up by Project	(with interest) - 2014								
Burlington - Camden 230kV Conversion (B1156.13- B1156.20) (CWIP) (656,766)	Northeast Grid Reliability Project (B1304.1- B1304.4) (CWIP) (28,311,302)	Northeast Grid Reliability Project (B1304.5-B1304.21) (CWIP) (3,373,863)	Convert the Bergen- Marion 138 kV path to double circuit 345 kV and associated substation upgrades (B2436.10) (CWIP) 417,929	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.21) (CWIP) 65,699	Convert the Marion - Bayonne 'C' 138 kV circuit to 345 kV and any associated substation upgrades (B2496.22) (CWIP) 62,631	Construct a new Bayway - Bayonne 345 kV circuit and any associated substation upgrades (B2436.33) (CWIP) 79,229	Construct a new North Ave - Bayonne 345 kV circuit and any associated substation upgrades (B2436.34) (CWIP) 62,908	Construct a new North Ave - Airport 345 kV circuit and any associated substation upgrades (B2436.50) (CWIP) 44,839	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) 22,701	Construct a new Airport - Bayway 345 kV circuit and any associated substation upgrades (B2436.70) (CWIP) 59,898	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) 25,783	Convert the Bayway - Linden '2" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.83) (CWIP) 25,783
			Estimated Transmission	Enhancement Charges (After True Up) - 2016							
Burlington - Camden 230kV	Northeast Grid Reliability		Convert the Bergen - Marion 138 kV path to double circuit 345	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and	Construct a new Bayway - Bayonne 345 kV circuit and	Construct a new North Ave - Bayonne 345 KV circuit and	Construct a new North Ave - Airport 345 KV circuit and	Relocate the underground portion of North Ave - Linden "T* 138 kV circuit to Bayway, convert it to 345 kV,	Construct a new Airport - Bayway 345 kV circuit and any associated	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated	Convert the Bayway - Linden "2" 138 kV circuit to 345 kV and any associated
Conversion (B1156.13- B1156.20) (CWIP) (656.766)	Project (B1304.1- B1304.4) (CWIP) (19.851.348)	Northeast Grid Reliability Project (B1304.5-B1304.21) (CWIP) (3.018.028)	kV and associated substation upgrades (B2436.10) (CWIP) 6.244.651	any associated substation upgrades (B2436.21) (CWIP) 1.492.254	any associated substation upgrades (B2436.22) (CWIP) 1.127.509	any associated substation upgrades (B2436.33) (CWIP) 2.966.412	any associated substation upgrades (B2436.34) (CWIP) 1.698.923	any associated substation upgrades (B2436.50) (CWIP) 1.594.352	and any associated substation upgrades (B2436.60) (CWIP) 1.030.614	substation upgrades (B2436.70) (CWIP) 1.853.412	substation upgrades (B2436.81) (CWIP) 1.145.297	substation upgrades (B2436.83) (CWIP) 1.145.297

(BI)	(BJ)	(BK)	(BL)	(BM)	(BN)	(BO)	(BP)	(BQ)	(BR)	(BS)	(BT)	(BU)	(BV)
Susquehanna	Susquehanna Roseland		Burlington -	Mickleton-Gloucester-	North Central Reliability (West Orange	Northeast Grid Reliability Project	Susquehanna	Susquehanna	North Central Reliability (West Orange	Mickleton-Gloucester-	Mickleton-Gloucester-	Burlington - Camden	Burlington - Camden 230kV Conversion
Roseland Breakers	<500kV	Susquehanna Roseland		Camden (B1398-	Conversion)	(B1304.1-B1304.4)	Roseland < 500kV	Roseland >= 500KV	Conversion)	Camden (B1398-	Camden Breakers	230kV Conversion	(B1156.13-
(B0489.5-B0489.15)	(B0489.4)	>= 500kV (B0489)	Conversion (B1156)	B1398.7)	(B1154)	(monthly additions)	(B0489.4)	(B0489)	(B1154)	B1398.7)	(B1398.15-B1398.19)	(B1156)	B1156.20)
(in service)	(in service)	(in service)	(in-service)	(in-service)	(in service)	(in service)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(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	639,966,941					-		
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	837,035,962		-			-		-
5,857,687	40,538,248	723,503,148	354,730,847	427,957,348	368,260,297	839,581,806		-			-	-	
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		-			-	-	
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	4,611,501,015	5,561,195,526	4,787,383,865	9,675,587,314			-				
5,857,687 13.00	40,538,248 13.00	723,503,148 13.00	354,730,847 13.00	427,784,271 12.99	368,260,297 13.00	744,275,947 11.50	:	:		<u>-</u>	<u>-</u>	:	:

										i
										i
										i
	Convert the									1
	Bayway - Linden		Relocate the		New Bergen				New Bayonne	1
	"M" 138 kV		Hudson 2		345/138 kV				345/69 kV	
Convert the Bayway -	circuit to 345 kV	Relocate Farragut -	generation to inject		transformer #1			New Linden	transformer	
Linden "W" 138 kV	and any	Hudson "B" and "C" 345	into the 345 kV at		and any		New Bayway 345/138		and any	1
circuit to 345 kV and	associated	kV circuits to Marion 345	Marion and any	New Bergen 345/230	associated	New Bayway 345/138 kV	kV transformer #2 and	transformer and any	associated	
any associated	substation	kV and any associated		kV transformer and any		transformer #1 and any	any associated	associated	substation	
substation upgrades	upgrades	substation upgrades	upgrades	associated substation	upgrades	associated substation	substation upgrades		upgrades	BRH Project (B0829-
(B2436.84)	(B2436.85)	(B2436.90)	(B2436.91)	upgrades (B2437.10)	(B2437.11)	upgrades (B2437.20)	(B2437.21)	(B2437.30)	(B2437.33)	B0830)
CWIP	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	Abandoned
1,276,434	1,276,434	1.081.821	863,750	1,326,708	1,323,679	639,295	639,379	851.765	145,981	-

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

Public Service Electric and Gas Company ATTACHMENT H-10A

Attachment 6A - Project Specific Estimate and Reconciliation Worksheet - December 31, 2016

				Attach	nment 6A - Project	Specific Estimate and R	econciliation Workshe	eet - December 31, 2	016	Page 11 of 11
		Reconciliation	by Project (without	interest)						
Convert the Bayway- Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIP) 24,114	Convert the Bayway - Linden 'M' 138 kV circuit to 345 kV and any associated substation upgrades (82436.85) (CWIP) 24,114	Relocate Farragut - Hudson 'B' and 'C' 345 KV circuits to Marion 345 KV and any associated substation upgrades (B2436.90) (CWIP) 63,898	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades (EX45.61) (CWVP) 48,434	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.0) (CWIP) 220,160	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIP) 223,171	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIP) 4,946	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (E2437.21) (CWIP) 4,952	New Linden 345/230 kV transformer and and associated substation upgrades (E/437.30) (E/WIP) 13,854	New Bayonne 345/69 kV transformer and any associated substation upgrades (B2437.33) (CWIP) 5,677	BRH Project (B0829- B0830) Abandoned
•										
			True Up by Projec	ct (with interest) - 2014						
Convert the Bayway- Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2438 & (CWIP) 25,750	Convert the Bayway - Linden 'M' 138 kV circuit to 345 kV and any associated substation upgrades (B249.8.85) (CWIP) 25,750	Relocate Farragut - Hudson 'B' and 'C' 345 KV circuits to Marion 345 KV and any associated substation upgrades (E2436.90) (CWIP) 68,232	Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated upgrades (B2436.91) (CWIP) 51,719	New Bergen 345/230 kV transformer and any associated substation upgrades (E2437:10) (CWIP) 235,093	New Bergen 345/138 kV transformer #1 and any associated substation upgrades (B2437.11) (CWIP) 238,307	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (E2437.20) (CWIP) 5.281	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.2) (CWIP) 5,288	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30 (CWIP) 14,794	New Bayonne 345/69 kV transformer and any associated substation upgrades (82437.33) (CWIP) 6,062	BRH Project (B0829- B0830) Abandoned
		Estimated Transmission En	honooment Chernes (A)	har True Hall 2016						
	Convert the Bayway - Linden "M" 138 kV		Relocate the Hudson 2	an mut up) - 2016	New Bergen 345/138 kV				New Bayonne 345/69 kV	
Convert the Bayway - Linden "W" 138 kV circuit to 345 kV and any associated substation upgrades (B2436.84) (CWIP) 1,302,184	circuit to 345 kV and any associated substation upgrades (B2436.85) (CWIP) 1,302,184	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades (B2436.90) (CWIP) 1,150,053	generation to inject into the 345 kV at Marion and any associated upgrades (B2436.91) (CWIP) 915,470	New Bergen 345/230 kV transformer and any associated substation upgrades (B2437.10) (CWIP) 1,561,801	transformer #1 and any associated substation upgrades (B2437.11) (CWIP) 1,561,986	New Bayway 345/138 kV transformer #1 and any associated substation upgrades (B2437.20) (CWIP) 644,576	New Bayway 345/138 kV transformer #2 and any associated substation upgrades (B2437.21) (CWIP) 644,666	New Linden 345/230 kV transformer and any associated substation upgrades (B2437.30) (CWIP) 866,559	transformer and any associated substation upgrades (B2437.33) (CWIP) 152,043	BRH Project (B0829- B0830) Abandoned

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(BW)	(BX)	(BY)	(BZ)	(CA)	(CB)	(CC)	(CD)	(CE)	(CF)	(CG)	(CH)	(CI)	(CJ)	(CK)	(CL)	(CM)	(CN)	(CO)	(CQ)	(CR)	(CS)
										Relocate the											
								Relocate the		overhead				Relocate							
		Convert the	Convert the	Convert the				underground portion of North		portion of Linden - North	Convert the	Convert the	Convert the	Farragut - Hudson "B" and	Relocate the						
		Bergen - Marion	Marion -	Marion -	Construct a new	Construct a new	Construct a new	Ave - Linden "T"	Construct a new	Ave "T" 138 kV	Bawway -	Bayway -	Bayway - Linden	"C" 345 kV	Hudson 2		New Bergen	New Bayway	New Bayway	New Linden	New Bayonne
		138 kV path to	Bayonne "L" 138	Bayonne "C"	Bayway -	North Ave -	North Ave -	138 kV circuit to	Airport - Bayway	circuit to	Linden "Z" 138	Linden "W"	"M" 138 kV	circuits to	generation to	New Bergen	345/138 kV	345/138 kV	345/138 kV	345/230 kV	345/69 kV
		double circuit	kV circuit to 345	138 kV circuit	Bayonne 345 kV	Bayonne 345 kV	Airport 345 kV	Bayway, convert	345 kV circuit	Bayway, convert	kV circuit to	138 kV circuit	circuit to 345 kV	Marion 345 kV	inject into the	345/230 kV	transformer #1	transformer	transformer #2	transformer	transformer
	Northeast Grid	345 kV and	kV and any	to 345 kV and	circuit and any	circuit and any	circuit and any	it to 345 kV, and	and any	it to 345 kV, and	345 kV and	to 345 kV and	and any	and any	345 kV at	transformer and	and any	#1 and any	and any	and any	and any
Northeast Grid	Reliability	associated	associated	any associated	associated	associated	associated	any associated	associated	any associated	any associated	any associated	associated	associated	Marion and any	any associated	associated	associated	associated	associated	associated
Reliability Project	Project	substation	substation	substation	substation	substation	substation	substation	associated	substation	substation	substation	substation	substation	substation						
(B1304.1- B1304.4)	(B1304.5- B1304.21)	upgrades (B2436.10)	upgrades (B2436.21)	upgrades (B2436.22)	upgrades (B2436.33)	upgrades (B2436.34)	upgrades (B2436.50)	upgrades (B2436.60)	upgrades (B2436.70)	upgrades (B2436.81)	upgrades (B2436.83)	upgrades (B2436.84)	upgrades (B2436.85)	upgrades (B2436.90)	upgrades (B2436.91)	upgrades (B2437.10)	upgrades (B2437.11)	upgrades (B2437.20)	upgrades (B2437.21)	upgrades (B2437.30)	upgrades (B2437.33)
(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)	(CWIP)
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	9.380.107	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	16,109,930	11,191,138	4,341,714	4,506,257	4,929,126	6,860,096	3,965,307	3,965,307	6,532,142	6,532,142	18,407,142	15,299,479	21,934,545	20,452,995	3,294,492	3,295,213	2,969,929	362,896
149,334,421	2,987,191	112,315,203	16,657,942	16,657,050	13,907,096	5,933,101	5,249,856	5,779,428	7,133,342	5,666,536	5,666,536	7,385,339	7,385,339	21,048,824	15,727,216	23,103,369	22,481,819	3,954,066	3,954,786	3,010,492	479,057
162,430,530	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	22,681,206	16,293,643	23,974,418	24,212,868	4,279,666	4,280,386	3,608,293	544,845
-	-	126,264,977	18,092,986	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
-		662,194 1.733,519	1,793,598	1,650,690 1,823,820	23,902,465 27.202,798	12,229,184	11,369,937	8,800,202 9,776,392	13,636,489	10,262,368	10,262,368	11,168,407	11,168,407	411,976 495,207	418,878 475,831	2,266,346 2,270,094	2,504,796 2,508,545	6,019,936 6,570,958	6,020,656 6,571,678	4,542,748 7,786,934	749,986 861,783
-	-	2,581,341	2,049,941	2.331.490	30.800.911	14,512,278	14,101,758	9,776,392	19,506,637	12,314,875	12,314,875	13,232,716	12,319,300	495,207 562,629	4/5,831 522,410	2,270,094	2,508,545	6,866,771	6,5/1,6/8	9,647,717	1.319.401
		2,737,205	4 093 132	2,551,450	35.019.454	21,213,048	19 940 643	11 607 928	22.084.884	13,444,092	13,444,092	14.356.316	14.356.316	645,660	579.227	2,276,807	2,515,257	7 246 536	7.247.256	11 790 461	1,519,401
-		2,863,970	13,590,452	2,915,675	38,423,752	23,983,852	23,000,361	12,251,819	23,827,812	14,475,383	14,475,383	15,482,830	15,482,830	727,404	625,436	2,279,848	2,518,298	7,518,506	7,519,226	13,291,543	1,792,636
-		2,995,774	17,596,966	4,733,888	43,210,983	28,675,828	27,157,897	12,944,201	29,077,790	15,562,353	15,562,353	16,558,101	16,558,101	820,227	674,421	2,282,975	2,521,425	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	906,569	715,475	2,285,677	2,524,127	7,543,949	7,544,669	16,168,432	3,913,246
936,016,043	39,369,918	654,293,537	160,190,517	119,577,082	324,207,194	183,711,171	173,997,682	113,180,399	201,397,054	125,712,354	125,712,354	143,333,149	143,333,149	121,479,703	96,992,142	148,978,510	148,638,363	71,787,643	71,797,006	95,646,229	16,392,454
																					4
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

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1	New Plant Carrying Cha	arge		
2	Fixed Charge Rate (FO if not a CIAC	CR) if Formula Line		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	В	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	FCR if a CIAC			
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	l years.
8			Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Gr	rid Reliability Project is 11.93%,
			which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective	ective January 1, 2012.
9			For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandone	ed Transmission Projects, Line 17 is the
			13 month average balance from Attach 6a, and Line 19 will be number of months to be amortize	ed in year plus one.

10		Details		Bra	nchbura (B0130)			Kittatinny (B0134))	Ess	ex Aldene (B0145))	New Fre	edom Trans.(B041	1)
	"Yes" if a project under PJM														
	OATT Schedule 12, otherwise														
11	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life		42			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount														
	of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
	Input the allowed increase in														
14	ROE	Increased ROE (Basis	Points)	0			0			0			0		
	From line 3 above if "No" on line														
15	13 and From line 7 above if "Yes" on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
1 13	Line 14 plus (line 5 times line	11.00 /0 11.0L		11.3070			11.3070			11.50%			11.5076		
16	15)/100	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
1	Service Account 101 or 106 if not	,		1						l					
1	yet classified - End of year														
17	balance	Investment		20,680,597			8,069,022			86,565,629			22,188,863		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		492.395			192.120			2.061.086			528.306		
10	Months in service for depreciation			402,000			132,120			2,001,000			320,300		
19	expense from Attachment 6			13.00			13.00			13.00			13.00		
	Year placed in Service (0 if														
20	CWIP)			2006			2007			2007			2007		
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	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			4.947.757
25		W Increased ROE	2007										22,188,863	484,281	
26				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
27		W 11.68 % ROE	2008	19,695,807	492,395	4,454,372	8,069,022 7,988,972	80,050 192,120	1,703,202 1,799,169	86,565,629 85,706,843	858,786 2,061,086	18,272,191 19,301,739	22,188,863 21,704,582	484,281 528,306	4,947,757 4,894,366
		W Increased ROE	2008 2008	19,695,807 19,695,807	492,395 492,395	4,454,372 4,454,372	8,069,022 7,988,972 7,988,972	80,050 192,120 192,120	1,703,202 1,799,169 1,799,169	86,565,629 85,706,843 85,706,843	858,786 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739	22,188,863 21,704,582 21,704,582	484,281 528,306 528,306	4,947,757 4,894,366 4,894,366
28		W Increased ROE W 11.68 % ROE	2008 2008 2009	19,695,807 19,695,807 19,203,412	492,395 492,395 492,395	4,454,372 4,454,372 4,523,234	8,069,022 7,988,972 7,988,972 7,796,853	80,050 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696	86,565,629 85,706,843 85,706,843 83,645,756	858,786 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517	22,188,863 21,704,582 21,704,582 21,176,276	484,281 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254
29		W Increased ROE W 11.68 % ROE W Increased ROE	2008 2008 2009 2009	19,695,807 19,695,807 19,203,412 19,203,412	492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853	80,050 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756	858,786 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276	484,281 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254
29 30		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016	492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733	80,050 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970	484,281 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919
29 30 31		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2008 2008 2009 2009 2010 2010	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016	492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,604,733	80,050 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,656,722	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 81,584,670	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,647,970	484,281 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,504,919
29 30 31 32		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621	492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,604,733 7,412,613	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,656,722 1,516,263	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 81,584,670 79,523,584	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,647,970 20,119,663	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,504,919 4,122,360
29 30 31 32 33		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2008 2008 2009 2009 2010 2010 2011 2011	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 18,218,621	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858 3,746,858	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,604,733 7,412,613 7,412,613	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,656,722 1,656,722 1,516,263 1,516,263	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 81,584,670 79,523,584	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692 16,266,692	22,188,863 21,704,582 21,7704,582 21,176,276 21,176,276 20,647,970 20,647,970 20,119,663	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,504,919 4,122,360 4,122,360
29 30 31 32 33 34		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2011 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 18,218,621 17,726,226	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858 3,746,858 3,154,416	8,069,022 7,988,972 7,988,972 7,796,853 7,604,733 7,604,733 7,412,613 7,412,613 7,220,494	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,656,722 1,656,722 1,516,263 1,516,263 1,276,451	86,565,629 85,706,843 85,706,843 83,645,756 81,584,670 81,584,670 79,523,584 79,523,584 77,462,497	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692 16,266,692 13,693,952	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,647,970 20,119,663 20,119,663 19,591,357	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,504,919 4,122,360 4,122,360 3,470,422
29 30 31 32 33 34 35		W Increased ROE W 11.68 % ROE W Increased ROE	2008 2008 2009 2009 2010 2010 2011 2011 2011 2012 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 18,218,621 17,726,226	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858 3,746,858 3,154,416 3,154,416	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,412,613 7,412,613 7,220,494 7,220,494	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,516,263 1,516,263 1,276,451 1,276,451	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 79,523,584 79,523,584 77,462,497 77,462,497	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 16,266,692 16,266,692 13,693,952 13,693,952	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,647,970 20,119,663 20,119,663 19,591,357 19,591,357	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,122,360 4,122,360 3,470,422 3,470,422
29 30 31 32 33 34 35 36		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2012 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 17,726,226 17,726,226 17,23,831	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 3,746,858 3,746,858 3,154,416 3,154,416 2,886,756	8,069,022 7,988,972 7,988,972 7,96,853 7,796,853 7,604,733 7,612,613 7,412,613 7,220,494 7,220,494 7,028,374	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,656,722 1,516,263 1,276,451 1,276,451 1,168,598	86,565,629 85,706,843 85,706,843 83,645,756 81,584,670 81,584,670 79,523,584 79,523,584 77,462,497 75,401,411	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692 16,266,692 13,693,952 13,693,952 12,536,886	22,188,663 21,704,582 21,176,276 21,176,276 20,647,970 20,119,663 20,119,663 19,591,357 19,593,357	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,504,919 4,504,919 4,122,360 4,122,360 3,470,422 3,470,422 3,176,807
29 30 31 32 33 34 35 36 37		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2012 2012	19,695,807 19,695,807 19,903,412 19,203,412 18,711,016 18,211,016 18,218,621 17,726,226 17,723,831 17,233,831	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858 3,746,858 3,154,416 2,886,756 2,886,756	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,412,613 7,412,613 7,220,494 7,220,494 7,028,374	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,929,169 1,828,696 1,828,696 1,656,722 1,656,722 1,516,263 1,276,451 1,276,451 1,168,598	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 79,523,584 79,523,584 77,462,497 77,462,497 75,401,411	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692 13,693,952 13,693,952 12,536,886	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,647,970 20,119,663 20,119,663 19,591,357 19,063,051 19,063,051	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,122,360 4,122,360 3,470,422 3,470,422 3,176,807 3,176,807
29 30 31 32 33 34 35 36		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2012 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 17,726,226 17,726,226 17,23,831	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 3,746,858 3,746,858 3,154,416 3,154,416 2,886,756	8,069,022 7,988,972 7,988,972 7,96,853 7,796,853 7,604,733 7,612,613 7,412,613 7,220,494 7,220,494 7,028,374	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,656,722 1,516,263 1,276,451 1,276,451 1,168,598	86,565,629 85,706,843 85,706,843 83,645,756 81,584,670 81,584,670 79,523,584 79,523,584 77,462,497 75,401,411	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 17,773,557 16,266,692 16,266,692 13,693,952 13,693,952 12,536,886	22,188,663 21,704,582 21,176,276 21,176,276 20,647,970 20,119,663 20,119,663 19,591,357 19,593,357	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,504,919 4,504,919 4,122,360 4,122,360 3,470,422 3,470,422 3,176,807
29 30 31 32 33 34 35 36 37		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2012 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 17,726,226 17,726,226 17,233,831 17,233,831 17,233,831	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,523,234 4,095,968 4,095,968 3,746,858 3,746,858 3,154,416 2,886,756 2,886,756 2,555,172	8,069,022 7,988,972 7,988,972 7,796,853 7,796,853 7,604,733 7,412,613 7,412,613 7,220,494 7,220,494 7,028,374 6,836,255	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,516,263 1,516,263 1,276,451 1,168,598 1,168,598 1,034,441	86,565,629 85,706,843 85,706,843 85,706,843 83,645,756 81,584,670 79,523,584 79,523,584 77,462,497 77,462,497 75,401,411 75,401,411 73,340,324	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 17,773,557 17,773,557 16,266,692 13,693,952 13,693,952 12,536,886 12,536,886 11,097,629	22,188,663 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,617,970 20,119,663 20,119,663 19,591,357 19,563,051 19,063,051 18,534,745	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,122,360 4,122,360 3,470,422 3,176,807 3,176,807 3,176,807 2,812,043 2,812,043
29 30 31 32 33 34 35 36 37 38		W Increased ROE W 11.68 % ROE W Increased ROE	2008 2008 2009 2009 2010 2011 2011 2011 2012 2012	19,695,807 19,695,807 19,203,412 19,203,412 18,711,016 18,218,621 17,726,226 17,726,226 17,233,831 16,741,436	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,095,968 4,095,968 3,746,858 3,154,416 2,886,756 2,856,755 2,555,172	8,069,022 7,988,972 7,988,972 7,796,853 7,604,733 7,412,613 7,412,613 7,220,494 7,028,374 7,028,374 6,836,255 6,836,255	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,656,722 1,516,263 1,516,263 1,276,451 1,276,451 1,168,598 1,168,598	86,565,629 85,706,843 85,706,843 83,645,756 81,584,670 81,584,670 79,523,584 77,462,497 77,462,497 75,401,411 75,401,411	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,301,739 19,618,517 19,618,517 17,773,557 16,266,692 16,266,692 13,693,952 13,693,952 12,536,886 11,037,629	22,188,863 21,704,582 21,704,582 21,176,276 20,647,970 20,119,663 20,119,663 19,591,357 19,063,051 19,063,051 18,534,745	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,894,366 4,973,254 4,973,254 4,504,919 4,122,360 4,122,360 4,170,422 3,470,422 3,176,807 2,812,043
29 30 31 32 33 34 35 36 37 38 39 40		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2008 2008 2009 2009 2010 2010 2011 2011 2012 2012	19,695,807 19,203,412 19,203,412 18,711,016 18,711,016 18,218,621 18,218,621 17,726,226 17,233,831 16,741,436 16,741,436	492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395 492,395	4,454,372 4,454,372 4,523,234 4,095,968 3,746,858 3,746,858 3,154,416 3,154,416 2,886,756 2,856,756 2,555,172 2,555,172 2,470,088	8,069,022 7,988,972 7,796,853 7,796,853 7,604,733 7,412,613 7,412,613 7,220,494 7,220,494 7,028,374 6,836,255 6,836,255 6,644,135	80,050 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120 192,120	1,703,202 1,799,169 1,799,169 1,828,696 1,828,696 1,856,722 1,656,722 1,516,263 1,276,451 1,276,451 1,168,598 1,034,441 1,034,441 1,000,786	86,565,629 85,706,843 85,706,843 83,645,756 83,645,756 81,584,670 81,584,670 79,523,584 79,523,584 77,462,497 77,462,497 75,401,411 73,340,324 73,340,324 71,279,238	858,786 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086 2,061,086	18,272,191 19,301,739 19,618,517 19,618,517 17,773,557 16,266,692 13,693,952 13,693,952 12,536,886 11,097,629 11,097,629 11,0736,580	22,188,863 21,704,582 21,704,582 21,176,276 21,176,276 20,647,970 20,119,663 20,119,663 19,591,357 19,063,051 18,534,745 18,534,745 18,066,439	484,281 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306 528,306	4,947,757 4,894,366 4,973,254 4,973,254 4,504,919 4,122,360 4,122,360 3,470,422 3,476,827 3,176,807 2,812,043 2,812,043 2,812,043 2,719,894

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1	New Plant Carrying	Charge			
2	Fixed Charge Rate if not a CIAC	(FCR) if			
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%	
4	В	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	FCR if a CIAC				
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 Relia	ability Project is 11.93%,	
			which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective Ja	anuary 1, 2012.	
9			For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Proj	ects, Line 17 is the	
			13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year	ar plus one.	

10		Details		New	Freedom Loop (B	0498)	Metuch	en Transformer (B	0161)	Branchburg	-Flagtown-Somerv	ille (B0169)	Flagtown-So	merville-Bridgewa	ater (B0170)
	"Yes" if a project under PJM														
11	OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
	Useful life of the project	Life	(162 01 140)	42			42			42			42		
12	"Yes" if the customer has paid a	Life		42			42			42			42		
	lumpsum payment in the amount														
	of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
	Input the allowed increase in									_			_		
14	ROE From line 3 above if "No" on line	Increased ROE (Basis	Points)	0			0			0			0		
	13 and From line 7 above if "Yes"														
15	on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
	Line 14 plus (line 5 times line														
16	15)/100	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
	Service Account 101 or 106 if not			1											
	yet classified - End of year														
17	balance	Investment		27,005,248			25,799,055			15,731,554			6,961,495		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		642.982			614.263			374,561			165,750		
	Months in service for depreciation						. ,			. , , , ,					
19	expense from Attachment 6			13.00			13.00			13.00			13.00		
20	Year placed in Service (0 if CWIP)			2008			2009			2009			2008		
20	Civii)			2006			2009			2009			2000		
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22		W 11.68 % ROE	2006												
23		W Increased ROE	2006												
24		W 11.68 % ROE W Increased ROE	2007 2007												
25		W 11.68 % ROE	2007	24 024 227	88.646	837.584							6.064.405	25 272	239.734
26 27		W Increased ROE	2008	24,921,237 24,921,237	88,646	837,584							6,961,495 6.961,495	25,372 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	6,981,495	165,750	1.621.657
28		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									5,522,598	15,539,319	375,568	3,368,301	6,770,372	165,750	1,469,662
31														100,700	
31		W 11.68 % ROE W Increased ROE	2010	26,273,620 26,273,620	642,982 642,982	5,703,044 5,703,044	25,488,527 25,488,527	613,738 613,738						165 750	1 469 662
32		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	165,750 165,750	1,469,662
32 33				26,273,620 25,630,832		5,703,044 5,221,521		613,738 614,263	5,522,598 5,061,682	15,539,319 15,121,425	375,568 374,561	3,368,301 3,075,759		165,750	1,345,559
32 33 34		W Increased ROE W 11.68 % ROE	2010 2011	26,273,620	642,982 642,987	5,703,044	25,488,527 24,896,838	613,738	5,522,598	15,539,319	375,568	3,368,301	6,770,372 6,604,623		
33 34		W Increased ROE W 11.68 % ROE W Increased ROE	2010 2011 2011	26,273,620 25,630,832 25,630,832	642,982 642,987 642,987	5,703,044 5,221,521 5,221,521	25,488,527 24,896,838 24,896,838	613,738 614,263 614,263	5,522,598 5,061,682 5,061,682	15,539,319 15,121,425 15,121,425	375,568 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759	6,770,372 6,604,623 6,604,623	165,750 165,750	1,345,559 1,345,559
33		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2011 2011 2012	26,273,620 25,630,832 25,630,832 24,987,652	642,982 642,987 642,987 642,982	5,703,044 5,221,521 5,221,521 4,395,482	25,488,527 24,896,838 24,896,838 24,282,576	613,738 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879	15,539,319 15,121,425 15,121,425 14,746,864	375,568 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159	6,770,372 6,604,623 6,604,623 6,438,873	165,750 165,750 165,750	1,345,559 1,345,559 1,132,702
33 34 35		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2010 2011 2011 2012 2012	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652	642,982 642,987 642,987 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576	613,738 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864	375,568 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873	165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702
33 34 35 36		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2011 2011 2012 2012 2013	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652 24,344,669	642,982 642,987 642,987 642,982 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482 4,025,278	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576 23,668,312	613,738 614,263 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879 3,902,590	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864 14,372,303	375,568 374,561 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159 2,371,359	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873 6,273,123	165,750 165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702 1,037,298
33 34 35 36 37		W Increased ROE W 11.68 % ROE W 11.68 % ROE	2010 2011 2011 2012 2012 2013 2013 2013	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652 24,344,669 24,344,669 23,701,687	642,982 642,987 642,987 642,982 642,982 642,982 642,982 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482 4,025,278 4,025,278 3,563,358 3,563,358	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576 23,668,312 23,668,312 23,054,049 23,054,049	613,738 614,263 614,263 614,263 614,263 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879 3,902,590 3,902,590 3,454,841 3,454,841	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864 14,372,303 14,372,303 13,997,743 13,997,743	375,568 374,561 374,561 374,561 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159 2,371,359 2,371,359 2,099,276 2,099,276	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873 6,273,123 6,273,123 6,107,373 6,107,373	165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702 1,037,298 1,037,298 918,263 918,263
33 34 35 36 37 38		W Increased ROE W 11.68 % ROE W 11.68 % ROE	2010 2011 2011 2012 2012 2013 2013 2014 2014 2015	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652 24,344,669 24,344,669 23,701,687 23,701,687 23,058,705	642,982 642,987 642,987 642,982 642,982 642,982 642,982 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482 4,025,278 4,025,278 3,563,358 3,563,358 3,449,489	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576 23,668,312 23,668,312 23,054,049 23,054,049 22,439,786	613,738 614,263 614,263 614,263 614,263 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879 3,902,590 3,902,590 3,454,841 3,454,841 3,345,440	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864 14,372,303 14,372,303 13,997,743 13,623,182	375,568 374,561 374,561 374,561 374,561 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159 2,371,359 2,371,359 2,099,276 2,099,276 2,032,657	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873 6,273,123 6,273,123 6,107,373 6,107,373 5,941,623	165,750 165,750 165,750 165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702 1,037,298 1,037,298 918,263 918,263 888,913
33 34 35 36 37 38 39		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W 10.00000000000000000000000000000000000	2010 2011 2011 2012 2012 2013 2013 2014 2014 2015 2015	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652 24,344,669 23,701,687 23,701,687 23,058,705	642,982 642,987 642,987 642,982 642,982 642,982 642,982 642,982 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482 4,025,278 4,025,278 3,563,358 3,449,489 3,449,489	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576 23,668,312 23,054,049 23,054,049 22,439,786 22,439,786	613,738 614,263 614,263 614,263 614,263 614,263 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879 3,902,590 3,902,590 3,454,841 3,345,440 3,345,440	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864 14,372,303 14,372,303 13,997,743 13,997,743 13,623,182 13,623,182	375,568 374,561 374,561 374,561 374,561 374,561 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159 2,371,359 2,371,359 2,099,276 2,099,276 2,092,657 2,032,657	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873 6,273,123 6,107,373 6,107,373 5,941,623 5,941,623	165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702 1,037,298 1,037,298 918,263 918,263 888,913 888,913
33 34 35 36 37 38 39 40		W Increased ROE W 11.68 % ROE W 11.68 % ROE	2010 2011 2011 2012 2012 2013 2013 2014 2014 2015	26,273,620 25,630,832 25,630,832 24,987,652 24,987,652 24,344,669 24,344,669 23,701,687 23,701,687 23,058,705	642,982 642,987 642,987 642,982 642,982 642,982 642,982 642,982 642,982	5,703,044 5,221,521 5,221,521 4,395,482 4,395,482 4,025,278 4,025,278 3,563,358 3,563,358 3,449,489	25,488,527 24,896,838 24,896,838 24,282,576 24,282,576 23,668,312 23,668,312 23,054,049 23,054,049 22,439,786	613,738 614,263 614,263 614,263 614,263 614,263 614,263 614,263 614,263	5,522,598 5,061,682 5,061,682 4,260,879 4,260,879 3,902,590 3,902,590 3,454,841 3,454,841 3,345,440	15,539,319 15,121,425 15,121,425 14,746,864 14,746,864 14,372,303 14,372,303 13,997,743 13,623,182	375,568 374,561 374,561 374,561 374,561 374,561 374,561 374,561 374,561	3,368,301 3,075,759 3,075,759 2,589,159 2,589,159 2,371,359 2,371,359 2,099,276 2,099,276 2,032,657	6,770,372 6,604,623 6,604,623 6,438,873 6,438,873 6,273,123 6,273,123 6,107,373 6,107,373 5,941,623	165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750 165,750	1,345,559 1,345,559 1,132,702 1,132,702 1,037,298 1,037,298 918,263 918,263 888,913

1	New Plant Carrying Cha	arge			Page 3 of 19
2	Fixed Charge Rate (FO if not a CIAC				
3 4 5	A B C	159	Net Plant Carrying Charge without Depreciation Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation Line B less Line A	11.58% 12.27% 0.69%	
6	FCR if a CIAC				
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%	
8			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 which includes a 25 basis-point transmission ROE adder as authorized by FFRC to become effective Januar For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year p	ary 1, 2012. s, Line 17 is the	

10	"Yes" if a project under PJM	Details		Roseland	Transformers (B	(0274)	Wave	Trap Branchburg (B0:	172.2)	Reconductor H	udson - South Waterfr	ont (B0813)	Reconductor So	uth Mahwah J-3410 C	ircuit (B1017)
	OATT Schedule 12, otherwise														
11	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life		42			42			42			42		
	"Yes" if the customer has paid a														
	lumpsum payment in the amount of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
	Input the allowed increase in		()												
14	ROE	Increased ROE (Basis	Points)	0			0			0			0		
	From line 3 above if "No" on line														
15	13 and From line 7 above if "Yes" on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
13	Line 14 plus (line 5 times line	11.00% NOL		11.50%			11.3070			11.3076			11.3076		
16		FCR for This Project		11.58%			11.58%			11.58%			11.58%		
	Service Account 101 or 106 if not														
	yet classified - End of year														
17	balance	Investment		21,073,706			27,988			9,158,918			20,626,991		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		501,755			666			218,069			491,119		
	Months in service for depreciation														
19	expense from Attachment 6 Year placed in Service (0 if			13.00			13.00			13.00			13.00		
20	CWIP)			2009			2008			2010			2011		
	,			2000			2000			2010			2011		
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21		W 11.68 % ROE	Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22 23		W 11.68 % ROE W Increased ROE	2006 2006												
		W 11.68 % ROE	2006												
24 25		W Increased ROE	2007												
26		W 11.68 % ROE	2008				36,369	577	5,114				l		
27		W Increased ROE	2008				36,369	577	5,114						
28		W 11.68 % ROE	2009	21,092,458	268,347	2,634,066	35,792	866	8,379						
29		W Increased ROE	2009	21,092,458	268,347	2,634,066	35,792	866	8,379						
30		W 11.68 % ROE	2010	20,797,967	501,579	4,507,079	27,122	666	5,890	8,806,222	18,700	169,959			
31		W Increased ROE	2010	20,797,967	501,579	4,507,079	27,122	666	5,890	8,806,222	18,700	169,959			
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	20,623,951	300,198	2,435,793
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	20,623,951	300,198	2,435,793
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 W Increased ROE	2013 2013	19,300,300 19,300,300	501,755 501,755	3,183,218 3,183,218	24,546 24,546	666 666	4,077 4.077	8,704,079 8,704,079	218,069 218,069	1,427,360 1,427,360	19,835,674 19,835,674	491,119 491,119	3,246,963 3,246,963
37					501,755	2.817.996	24,546	666	3,609	8,704,079 8,486,010	218,069	1,427,360	19,835,674	491,119	2.874.636
38										0,400,010	∠10,009				
		W 11.68 % ROE W Increased ROE	2014	18,798,545 18,798,545				666	3,600	8 486 010	218 069	1 263 663	19 344 555		
39		W Increased ROE	2014	18,798,545	501,755	2,817,996	23,880	666 666	3,609	8,486,010 8,267,940	218,069	1,263,663	19,344,555 18,853,437	491,119	2,874,636
39 40		W Increased ROE W 11.68 % ROE	2014 2015	18,798,545 18,296,790	501,755 501,755	2,817,996 2,728,682	23,880 23,213	666	3,492	8,267,940	218,069	1,224,372	18,853,437	491,119 491,119	2,874,636 2,785,796
39		W Increased ROE	2014	18,798,545	501,755	2,817,996	23,880							491,119	2,874,636

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1	New Plant	Carrying Charge			P
2	Fixed Cha if not a Cl	rge Rate (FCR) if AC Formula Line			
3		A 152	Net Plant Carrying Charge without Depreciation	11.58%	
4	i	3 159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%	
5			Line B less Line A	0.69%	
6	FCR if a C	IAC			
7	1	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	s 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		Reconductor Soul	h Mahwah K-3411 C	ircuit (B1018)	Branchburg	400 MVAR Capacito	r (B0290)	Saddle Brook	c - Athenia Upgrade Ca	able (B0472)	Branchburg-Somm	nerville-Flagtown Reco B0665)	nductor (B0664 &
	"Yes" if a project under PJM OATT Schedule 12, otherwise														
		Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
	Useful life of the project	Life	(100 01140)	42			42			42			42		
12	"Yes" if the customer has paid a	Life		42			42			42			42		
	lumpsum payment in the amount														
	of the investment on line 29,														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
14	Input the allowed increase in ROE	Increased ROE (Basis F	Dointe\	0			0			0			0		
1.4	From line 3 above if "No" on line	Increased NOL (Dasis i	Ollita)	· ·									۰		
	13 and From line 7 above if "Yes"														
15	on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
1	Line 14 plus (line 5 times line	1		l									l		
16	15)/100	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
	Service Account 101 or 106 if not vet classified - End of year														
17	balance	Investment		21.170.273			80.435.315			14.404.842			18.664.931		
1				21,110,210			00,400,313			14,404,042			10,004,831		
		Annual Depreciation or Amort Exp													
18	Line 17 divided by line 12	or Amort Exp		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		
19	Year placed in Service (0 if			13.00			13.00			13.00			13.00		
20	CWIP)			2011			2012			2012			2012		
					Depreciation or	_		Depreciation or	_		Depreciation or	_		Depreciation or	_
21 22		W 11.68 % ROE	Invest Yr 2006	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22		W Increased ROE	2006												
24		W 11.68 % ROF	2007												
25		W Increased ROE	2007												
26		W 11.68 % ROE	2008	l									l		
27		W Increased ROE	2008												
28		W 11.68 % ROE	2009	l									l		
29		W Increased ROE	2009	l									l		
30		W 11.68 % ROE	2010												
31		W Increased ROE	2010										1		
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							l		
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 W Increased ROE	2014 2014	20,124,598 20,124,598	504,054 504.054	2,983,683 2,983,683	77,279,955 77,279,955	1,915,127 1,915,127	11,437,086 11,437,086	13,851,457 13,851,457	342,972 342,972	2,049,664	17,903,425 17,903,425	444,403 444,403	2,650,353 2,650,353
39				20,124,098											
			2015	10 620 544	E04 0E4	2 902 007	75 275 411	1 015 127	11 000 171	12 500 404			17 462 626	444 402	2 560 025
40		W 11.68 % ROE	2015	19,620,544	504,054	2,892,097	75,375,411 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
40 41 42			2015 2015 2016	19,620,544 19,620,544 19,116,490	504,054 504,054 504,054	2,892,097 2,892,097 2,717,165	75,375,411 75,375,411 73,449,702	1,915,127 1,915,127 1,915,127	11,089,171 11,089,171 10,418,379	13,508,484 13,508,484 13,165,512	342,972 342,972 342,972	1,987,109 1,987,109 1,867,140	17,463,626 17,463,626 17,014,619	444,403 444,403 444,403	2,569,925 2,569,925 2,414,181

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1		New Plant Carrying Cha	arge		
2		Fixed Charge Rate (Fi if not a CIAC	CR) if Formula Line		
3	1	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4		В	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	5	C		Line B less Line A	0.69%
6	3	FCR if a CIAC			
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.	
٤	3			Per FERC Order dated December 30, 2011 in Docket No. ER12-296, the ROE for the Northeast Grid Reliability Fernancian Control of the Northeast Control of t	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, L	ine 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.

		1		t e											
10		Details			dgewater Reconduc		New Essex-Kearny 138	8 kV circuit and Kearr (B0814)	y 138 kV bus tie	C-I 500	kV breakers (B141	0.04445)		Switching Station Up	
10	"Yes" if a project under PJM	Details		Somerville-Bri	agewater Reconduc	ctor (B0668)		(BU814)		Salem 500	KV Dreakers (B141	0-81415)	230KV Lawrence	Switching Station Up	grade (B1228)
	OATT Schedule 12, otherwise														
11	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life		42			42			42			42		
	"Yes" if the customer has paid a														
	lumpsum payment in the amount of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
	Input the allowed increase in														
14	ROE	Increased ROE (Basis I	Points)	0			0			0			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
	Line 14 plus (line 5 times line														
16	15)/100	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
	Service Account 101 or 106 if not														
17	yet classified - End of year balance	Investment		6.390.403			46,073,296			16,316,117			22,040,646		
	balance			0,000,400			40,070,200			10,010,111			22,040,040		
		Annual Depreciation or Amort Exp													
18	Line 17 divided by line 12 Months in service for depreciation			152,152			1,096,983			388,479			524,777		
19	expense from Attachment 6			13.00			13.00			13.00			13.00		
	Year placed in Service (0 if														
20	CWIP)			2012			2012			2011			2013		
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22		W 11.68 % ROE	2006												
23		W Increased ROE	2006												
24		W 11.68 % ROE	2007												
25		W Increased ROE W 11.68 % ROE	2007 2008												
26		W Increased ROE	2008												
27 28		W 11.68 % ROE	2009												
29		W Increased ROE	2009										ĺ		
30		W 11.68 % ROE	2010										ĺ		
31		W Increased ROE	2010												
32		W 11.68 % ROE	2011							2,640,253	9,537	73,000	ĺ		
33		W Increased ROE	2011							2,640,253	9,537	73,000	ĺ		
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	ĺ		
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	00 407 005	040.540	4 000 040
36		W 11.68 % ROE W Increased ROE	2013 2013	6,291,725	151,180	1,025,313 1,025,313	45,385,800 45,385,800	1,083,543	7,389,162 7,389,162	9,926,683 9,926,683	192,972 192,972	1,305,797 1,305,797	22,127,065 22,127,065	248,542 248,542	1,698,840 1,698,840
37		W 11.68 % ROE	2013	6,291,725 6,181,332	151,180 152,152	913,777	45,385,800	1,083,543 1,094,148	6,607,679	9,926,683	192,972 289.093	1,755,636	22,127,065	248,542 524,777	3,209,866
38 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
		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

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1	New Plant Carrying Ch	arge		
2	Fixed Charge Rate (F if not a CIAC	CR) if Formula Line		
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%
4	В	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%
5	С		Line B less Line A	0.69%
6	FCR if a CIAC			
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		Bergen S	Substation Transformer	(B1082)	Branchburg-l	Middlesex Switch	Rack (B1155)	Aldene-Spring	field Rd. Convers	ion (B1399)	Upgrade Camde	n-Richmond 230kV	Circuit (B1590)
	"Yes" if a project under PJM														
	OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Ye	9		Yes			Yes			Yes		
	Useful life of the project	Life	(100 01 110)	4			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount				-		_			-					
13	of the investment on line 29, Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	N	0		No			No			No		
14	ROE From line 3 above if "No" on line	Increased ROE (Basis F	Points)		0		0			0			0		
15	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 Service Account 101 or 106 if not	FCR for This Project		11.58	%		11.58%			11.58%			11.58%		
17	yet classified - End of year balance	Investment		-			68,260,260			71,564,861			10,901,749		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		-			1,625,244			1,703,925			259,565		
	Months in service for depreciation														
19	expense from Attachment 6 Year placed in Service (0 if						13.00			13.00			13.00		
20	CWIP)						2013			2014			2014		
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	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 2008												
27 28		W Increased ROE W 11.68 % ROE	2008												
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 W 11.68 % ROE	2014 2015				60,374,269 37,378,572	1,439,907	8,878,852	68,405,611	556,909	3,438,903 4.819.551	7,389,782	37,992	234,599
40		W 11.68 % ROE W Increased ROE	2015	ĺ			37,378,572	908,985 908,985	5,458,382 5,458,382	33,025,871 33,025,871	799,927 799,927	4,819,551 4.819.551			
41		W 11.68 % ROE	2015	ĺ			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
		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

1	New Plant Carrying C	harge		Í	Page 7 of 19
2	Fixed Charge Rate (if not a CIAC	FCR) if			
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%	
4	В	159	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	12.27%	
5	С		Line B less Line A	0.69%	
6	FCR if a CIAC				
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%,		
9			which includes a 25 basis-point transmission DCE 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 17 will be number of months to be amortized in year plus one.		

10		Details		Susquehanna R	oseland Breakers (b04	89.5-B0489.15)	Susquehann	a Roseland < 500KV (B	10489.4)	Susquehanna	Roseland > 500K	V (B0489)	Burlington - Cam	iden 230kV Conve	rsion (B1156)
	"Yes" if a project under PJM							-							
11	OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life	(162 OLINO)	42			42			42			42		
12	"Yes" if the customer has paid a	Lire		42			42			42			42		
	lumpsum payment in the amount of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
14	ROE	Increased ROE (Basis	Points)	125			125			125			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	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%			12.44%			12.44%			11.58%		
	Service Account 101 or 106 if not vet classified - End of year														
17	balance	Investment		5,857,687			40,538,248			723,503,148			354,730,847		
		Annual Depreciation or Amort Exp													
18	Line 17 divided by line 12	or Amort Exp		139,469			965,196			17,226,265			8,445,973		
19	Months in service for depreciation expense from Attachment 6			13.00			13.00			13.00			13.00		
	Year placed in Service (0 if														
20	CWIP)			2010			2011			2012			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	Litting	Amortization	Kevende	Lituing	Amortization	Revenue	Litting	Amortization	Revenue	Litting	Amortization	Revenue
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	2,662,585	7,802	70,915									
31		W Increased ROE	2010	2,662,585	7,802	70,915									
32		W 11.68 % ROE	2011	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	2011	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	2012	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	2012	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	2013	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	2013	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	2014	5,454,886	139,469	811,586	40,082,737	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	2014	5,454,886	139,469	859,361	40,082,737	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	2015	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	2015	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	2016	5,175,948	139,469	738,687	38,400,330	965,196	5,410,793	696,007,937	17,226,265 17,226,265	97,802,922	337,124,933	8,445,973	47,474,838
43		W Increased ROE	2016	5,175,948	139,469	783,397	38,400,330	965,196	5.742.497	696,007,937		103.815.086	337,124,933	8.445.973	47.474.838

1	New Plant Carrying Charge			Page 8 of 19
2	Fixed Charge Rate (FCR) if if not a CIAC 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	FCR if a CIAC			
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	t is 11.93%,	
		which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 201	2.	
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		Mickleton-Glouc	ester-Camden(B1	398-B1398.7)	North Central Rel	iability (West Orar (B1154)	nge Conversion	Northeast Grid Rel	liability Project (B	1304.1-B1304.4)		en - Marion 138 k\ d associated subst (B2436.10)	
	"Yes" if a project under PJM OATT Schedule 12, otherwise														
	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
	Useful life of the project	Life	(42			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount														
13	of the investment on line 29, Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	No			No			No			No		
14	ROE From line 3 above if "No" on line	Increased ROE (Basis F	Points)	0			0			25			0		
15	13 and From line 7 above if "Yes" on line 13 Line 14 plus (line 5 times line	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
16		FCR for This Project		11.58%			11.58%			11.75%			11.58%		
17	yet classified - End of year balance	Investment		427,957,348			368,260,297			841,681,806			153,976,178		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		10,189,461			8,768,102			20,040,043			3,666,099		
	Months in service for depreciation														
19	expense from Attachment 6 Year placed in Service (0 if			12.99			13.00			11.50			7.04		
20	CWIP)			2013			2012			2013			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	Linding	Autoritzation	iterende	Litting	Amortization	Herende	Linding	Amortization	ROYUMA	Linding	Amortization	rtovendo
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 W Increased ROE	2011 2011												
33		W Increased ROE W 11.68 % ROE	2011				16.441.748	30.113	220.046						
34		W Increased ROE	2012				16,441,748	30,113	220,046						
35 36		W Increased ROE W 11.68 % ROE	2012	777.714	1.424	9.736	257.640.264	6.135.009	41.929.935	23,466,022	86,647	592,253			
36		W Increased ROE	2013	777,714	1,424	9,736	257,640,264	6.135.009	41,929,935	23,466,022	86,647	592,253			
38		W 11.68 % ROE	2013	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

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Fixed Charge Rate (FCR) if
if not a CIAC

Formula Line

Formula Line

Net Plant Carrying Charge without Depreciation

Net Plant Carrying Charge without Depreciation

Net Plant Carrying Charge without Depreciation

11.59%.

Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation

12.27%

C

FCR if a CIAC

7

D

153

Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation

12.27%

0.69%

FFR FCR I STANCE

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

Therefore actual revenues collected in a year don 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.

1	0	Details		to 345 kV a	arion - Bayonne "L' nd any associated pgrades (B2436.21	substation	to 345 kV a	arion - Bayonne "C nd any associated pgrades (B2436.22	substation	circuits to Ma	igut - Hudson "B" a irion 345 kV and ar tion upgrades (B24	y associated		ludson 2 generation rion and any associa (B2436.91)	
	"Yes" if a project under PJM														
١,	OATT Schedule 12, otherwise 1 "No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
	2 Useful life of the project	Life	(100 01140)	42			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29.														
1	3 Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
1	Input the allowed increase in 4 ROE	Increased ROE (Basis	Points)	0			0			0			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
1	5 on line 13	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
1	Line 14 plus (line 5 times line 6 15)/100	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
	Service Account 101 or 106 if not yet classified - End of year														
1	7 balance	Investment		19,694,890			19,694,890			27,239,122			19,694,915		
		Annual Depreciation or Amort Exp													
1	8 Line 17 divided by line 12 Months in service for depreciation			468,926			468,926			648,551			468,927		
1	9 expense from Attachment 6 Year placed in Service (0 if			7.00			7.00			7.00			7.00		
2	O CWIP)			2016			2016			2016			2016		
	•				D			Danier detlander			D			Danis de la constanta de la co	
2	1		Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue
2	2	W 11.68 % ROE	2006												
	3	W Increased ROE	2006												
2		W 11.68 % ROE	2007												
2		W Increased ROE	2007												
2		W 11.68 % ROE	2008												
2		W Increased ROE	2008												
	8	W 11.68 % ROE	2009												
	9	W Increased ROE	2009												
	10	W 11.68 % ROE	2010												
	11	W Increased ROE	2010												
	12	W 11.68 % ROE	2011												
	13	W Increased ROE	2011												
	14	W 11.68 % ROE	2012							1					
	5	W Increased ROE	2012							1					
	6	W 11.68 % ROE	2013							1					
	7	W Increased ROE	2013							l					
	18	W 11.68 % ROE	2014							l					
	19	W Increased ROE	2014							l					
	0	W 11.68 % ROE	2015							l					
	1	W Increased ROE	2015	40.004.000	050 400	4 400 000	40.004.000	050 400	4 400 000	07.000.400	0.40.000	0.047.040	40.004.045	050 400	4 400 000
	2	W 11.68 % ROE	2016 2016	19,694,890 19,694,890	252,499 252,499	1,480,230	19,694,890	252,499 252,499	1,480,230	27,239,122	349,220	2,047,240	19,694,915	252,499 252,499	1,480,232 1,480,232
	3	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

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Pixed Charge Rate (FCR) If
if not a CIAC

Fixed Charge Rate (FCR) If
if not a CIAC

Formula Line

A 152

Net Plant Carrying Charge without Depreciation 11.58%

A 152

Net Plant Carrying Charge without Depreciation 12.27%

Line B less Line A 0.69%

FCR if a CIAC

TO D 153

Net Plant Carrying Charge without Depreciation 12.27%

Line B less Line A 0.69%

Net Plant Carrying Charge without Depreciation 12.27%

Line B less Line A 1.09%

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

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

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

Per FERC Order dated December 30, 2011 in Docket No. ER12-296, he 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 Attach éa, and Line 19 will be number of montits to be amortized in year plus one.

10		Details			345/230 kV transfor			45/138 kV transformubstation upgrade		Upgrade Eagle	Point-Gloucester 2 (B1588)	230kV Circuit	Mickleton-	Gloucester 230kV C	ircuit (B2139)
	"Yes" if a project under PJM OATT Schedule 12, otherwise														
11		Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12		Life	(42			42			42			42		
12	"Yes" if the customer has paid a lumpsum payment in the amount	Life		42			42			42			42		
13	of the investment on line 29,	CIAC	(Yes or No)	No			No			No			No		
13	Input the allowed increase in	CIAC	(Tes of No)	INO			NO			INO			IND		
14	ROE	Increased ROE (Basis I	Points)	0			0			0			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	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%		
	Service Account 101 or 106 if not vet classified - End of year														
17		Investment		25,264,003			25,264,003			11,954,175			18,237,729		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		601,524			601.524			284.623			434.232		
	Months in service for depreciation														
19	expense from Attachment 6 Year placed in Service (0 if			7.00			7.00			13.00			13.00		
20	CWIP)			2016			2016			2015			2015		
					Danier della a			Depreciation or							
21					Depreciation or										
22			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Endina	Depreciation or Amortization	Revenue
23		W 11.68 % ROE	2006	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
23		W 11.68 % ROE W Increased ROE		Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
23		W Increased ROE W 11.68 % ROE	2006 2006 2007	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
		W Increased ROE W 11.68 % ROE W Increased ROE	2006 2006 2007 2007	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24		W Increased ROE W 11.68 % ROE	2006 2006 2007	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2006 2006 2007 2007 2008 2008	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2006 2006 2007 2007 2008 2008 2009 2009	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009 2009 2010	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29		W Increased ROE W 11.68 % ROE W Increased ROE	2006 2006 2007 2007 2008 2008 2009 2009 2010 2010	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009 2009 2010 2010 2011	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE	2006 2006 2007 2007 2008 2008 2009 2010 2010 2011 2011	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009 2009 2010 2010 2011 2011 2011	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32 33		W Increased ROE W 11.68 % ROE W 10.00 % ROE W 10.00 % ROE W 10.00 % ROE W 11.68 % ROE W Increased ROE W 10.00 % ROE W 10.0	2006 2006 2007 2007 2008 2008 2009 2010 2010 2011 2011 2011 2012 2012	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32 33		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009 2009 2010 2010 2011 2011 2011	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32 33 34 35		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2008 2008 2009 2010 2010 2011 2011 2012 2012 2013 2013	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32 33 34 35		W Increased ROE W 11.88 % ROE W Increased ROE W 11.88 % ROE W Increased ROE W 11.68 % ROE W 10.00 W Increased ROE W 11.68 % ROE W 10.00 W Increased ROE W 11.68 % ROE W 10.00 W Increased ROE W 11.68 % ROE W 10.00 W INCREASE ROE W 11.68 % ROE	2006 2006 2007 2007 2007 2008 2008 2009 2010 2010 2011 2011 2012 2012 2013 2014	Ending		Revenue	Ending		Revenue	Ending		Revenue	Ending		Revenue
24 25 26 27 28 29 30 31 32 33 34 35 36 37		W Increased ROE W 11.68 % ROE W Increased ROE W Increased ROE W Increased ROE W 11.68 % ROE W 11.68 M ROE ROE ROE W 11.68 % ROE W 11.68 M ROE ROE W 11.68 M ROE ROE ROE W 11.68 M ROE	2006 2006 2007 2007 2007 2008 2008 2009 2010 2010 2011 2011 2012 2013 2013 2014 2014	Ending		Revenue	Ending		Revenue		Amortization		·	Amortization	
24 25 26 27 28 29 30 31 32 33 34 35 36 37		W Increased ROE W 11.88 % ROE W Increased ROE W 11.88 % ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2007 2008 2009 2010 2011 2011 2011 2012 2012 2013 2013	Ending		Revenue	Ending		Revenue	10,157,273	Amortization	757,614	13,755,622	Amortization	1,077,855
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38		W Increased ROE W 11.68 % ROE W 10.00 % ROE W 11.68 % ROE W 10.00 % ROE W 11.68 % ROE	2006 2006 2007 2007 2007 2008 2008 2009 2010 2010 2011 2011 2012 2013 2013 2014 2014	Ending			Ending		Revenue		Amortization		·	Amortization	
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38		W Increased ROE W 11.88 % ROE W Increased ROE W 11.88 % ROE W Increased ROE W 11.68 % ROE	2006 2006 2007 2007 2007 2008 2009 2010 2011 2011 2011 2012 2012 2013 2013	Ending 25,264,003 25,264,003		1.898.794 1.898.794	Ending 25,264,003 25,264,003		1.898,794	10,157,273	Amortization	757,614	13,755,622	Amortization	1,077,855

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1 New Plant Carrying Charge

Fixed Charge Rate (FCR) If If not a CIAC
Formula Line
A 152
A 152
B 159
C C Net Plant Carrying Charge without Depreciation
Net Plant Carrying Charge without Depreciation 11.58%
Net Plant Carrying Charge without Depreciation 12.27%
C D Net Plant Carrying Charge without Depreciation 12.27%
E PCR If a CIAC

7 D 153
Net Plant Carrying Charge without Depreciation 15.68%
Net Plant Carrying Charge without Depreciation 15.68%
Net Plant Carrying Charge without Depreciation 15.68%
Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes 15.90%
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 Dock ER12.24%, the ROE for the Northeas 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.
Per abandomed plant lines 12, 14, 15, and will be from Attach channels to be amortized in year place none.

10		Details		Pidge Poad	69kV Breaker Stat	ion (R1255)	Cov'e Corner-I	umberton 230kV 0	Sircuit (B1797)	Sowaron Swit	ch 230kV Convers	eion (B2276)	Susauchanna	Roseland < 500KV (B04	190 4) (CIMID)
10	"Yes" if a project under PJM	Details		Kluge Koau V	DORY DI CARCI OTAL	1011 (111233)	COX S COINEI-L	diliberton 230KV C	Sircuit (B1707)	Sewaren Swi	CII ZJOKY COIIVEI	SIOII (DZZ70)	Susquenanna	Koseiana C Jook V (Bo-	103.4) (CWIF)
11	OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life	(163 01 140)	163			163			42			42		
	"Yes" if the customer has paid a	-													
	lumpsum payment in the amount of the investment on line 29.														
13	Otherwise "No"	CIAC	(Yes or No)	No			No			No			No		
	Input the allowed increase in														
14	ROE From line 3 above if "No" on line	Increased ROE (Basis I	Points)	0			0			0			125		
	13 and From line 7 above if "Yes"														
15	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%			12.44%		
	Service Account 101 or 106 if not	TOTATION THIS T TOJUGE		11.50%			11.00%			11.00%			12.4470		
17	yet classified - End of year balance														
17	balance	Investment		33,764,108			33,763,562			112,005,777					
		Annual Depreciation or Amort Exp													
18	Line 17 divided by line 12 Months in service for depreciation	or runore Exp		803,907			803,894			2,666,804			-		
19	expense from Attachment 6			7.82			11.38			7.88			-		
	Year placed in Service (0 if CWIP)														
20	CWII /			2016			2015			2015					
				Ending	Depreciation or	_		Depreciation or	_		Depreciation or	_		Depreciation or	_
21 22		W 11.68 % ROE	Invest Yr 2006	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
23		W Increased ROE	2006												
24		W 11.68 % ROE	2007												
25		W Increased ROE	2007												
26 27		W 11.68 % ROE W Increased ROE	2008 2008												
28		W 11.68 % ROE	2009										8.601.534		794,647
29		W Increased ROE	2009	ĺ			l						8,601,534		833,737
30		W 11.68 % ROE	2010										10,121,290		1,719,499
31		W Increased ROE W 11.68 % ROE	2010 2011	1			l						10,121,290 30,831,150		1,811,185 3,376,923
32		1 NO 11.08 % ROE	2011	l			ı						30,831,150		3,376,923
		W Increased ROF	2011												
34		W Increased ROE W 11.68 % ROE	2011 2012										38.077.851		5.359.127
34 35		W 11.68 % ROE W Increased ROE	2012 2012										38,077,851 38,077,851		5,359,127 5,676,479
35 36		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2012 2012 2013										38,077,851 38,077,851 40,538,248		5,359,127 5,676,479 5,381,625
35 36 37		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2012 2012 2013 2013										38,077,851 38,077,851 40,538,248 40,538,248		5,359,127 5,676,479 5,381,625 5,730,133
35 36 37 38		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2012 2012 2013 2013 2014										38,077,851 38,077,851 40,538,248 40,538,248 12,476,737		5,359,127 5,676,479 5,381,625 5,730,133 1,537,307
35 36 37		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2012 2012 2013 2013	31,269,172	389,350	2,379,660							38,077,851 38,077,851 40,538,248 40,538,248		5,359,127 5,676,479 5,381,625 5,730,133
35 36 37 38 39		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2012 2012 2013 2013 2014 2014 2015 2015	31,269,172	389,350	2,379,660							38,077,851 38,077,851 40,538,248 40,538,248 12,476,737		5,359,127 5,676,479 5,381,625 5,730,133 1,537,307
35 36 37 38 39 40		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2012 2012 2013 2013 2014 2014 2015				33,763,562 33,763,562	703,781 703.781	4,125,793 4.125.793	112,005,777 112,005,777	1,617,265 1,617,265	9,480,938 9,480,938	38,077,851 38,077,851 40,538,248 40,538,248 12,476,737		5,359,127 5,676,479 5,381,625 5,730,133 1,537,307

1	New Plant Carrying Charge	9			Page 1	12 of 19
2	Fixed Charge Rate (FCR) if not a CIAC					
3 4 5	A B C	Formula Line 152 159	Net Plant Carrying Charge without Depreciation Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation Line B less Line A	11.58% 12.27% 0.69%		
6	FCR if a CIAC					
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%		
8			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 which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 25 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects. Line 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one	2. Is the		

10		Details		Susquehanna Ro	seland >= 500kV (B0489) (CWIP)	North Central Reliab	ility (West Orange Conversion) (B1154)		ster-Camden(B1398-B1398.7) (CWIP)	Mickleton-Glouceste	r-Camden Breakers (B1398.15-B1398.15 (CWIP)
	"Yes" if a project under PJM OATT Schedule 12, otherwise				,		Ç		,		(5)
11	"No"	Schedule 12	(Yes or No)	Yes		Yes		Yes		Yes	
12	Useful life of the project	Life		42		42		42		42	
	"Yes" if the customer has paid a lumpsum payment in the amount										
13	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	Dointe\	125		0		0		0	
14	From line 3 above if "No" on line 13 and From line 7 above if "Yes"	IIICIEdseu ROE (Basis	-onits)	123		0		0		0	
15	on line 13 Line 14 plus (line 5 times line	11.68% ROE		11.58%		11.58%		11.58%		11.58%	
16	15)/100	FCR for This Project		12.44%		11.58%		11.58%		11.58%	
	Service Account 101 or 106 if not yet classified - End of year										
17	balance	Investment		-		-		-		-	
		Annual Depreciation									
18	Line 17 divided by line 12	or Amort Exp		-		-		-			
	Months in service for depreciation										
19	expense from Attachment 6 Year placed in Service (0 if			•		-		-		-	
20	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	Litting	Amortization Revenue	Litting	Amortization	Litering	Amortization Revenue	Litting	Amortization Neventie
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			I			
29		W Increased ROE	2009	33,993,795	4,120,411						
30		W 11.68 % ROE W Increased ROE	2010 2010	83,961,998 83,961,998	10,780,919 11.355,769						
31 32		W 11.68 % ROE	2010	133,618,838	11,355,769	19.588.655	1,299,846	1.648.851	56.106		
32		W Increased ROE	2011	133,618,838	20.775.227	19,588,655	1,299,846	1,648,851	56,106		
33		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	24.60
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	
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	
37				567,928,477	60.074.507	79,292,223	21,408,869	117,558,986	7,924,475	532,375	
1		W Increased ROE	2013	307,920,477							
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	
38		W 11.68 % ROE W Increased ROE	2014 2014	34,481,067 34,481,067	28,945,163 31,002,624		3,895,715 3,895,715	160,260,925	16,099,944	532,375	65,59
		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2014 2014 2015	34,481,067 34,481,067 18,053,234	28,945,163 31,002,624 2,197,284	31,617,517		160,260,925 83,162,211	16,099,944 10,121,786	532,375 245,712	65,59 29,90
39		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2014 2014 2015 2015	34,481,067 34,481,067	28,945,163 31,002,624	31,617,517		160,260,925	16,099,944	532,375	65,59 29,90
39 40		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2014 2014 2015	34,481,067 34,481,067 18,053,234	28,945,163 31,002,624 2,197,284	31,617,517		160,260,925 83,162,211	16,099,944 10,121,786	532,375 245,712	65,59 29,90

1	New Plant Car	rrying Charge			Page 13 of 19
2	Fixed Charge if not a CIAC	Rate (FCR) if			
3	A	152	Net Plant Carrying Charge without Depreciation	11.58%	
4	В	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	FCR if a CIAC	С			
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 in	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	s the	
			13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus one.		

							Dudlantas Constan	230kV Conversion (B1	450 42 P4450 00)	Northeast Grid R	eliability Project (B130	4 1-B1304 4)	Northeast Grid Re	eliability Project (B1:	304 5-R1304 21)
10		Details		Burlington - Cam-	den 230kV Conversion (E	B1156) (CWIP)	Burnington - Camden	(CWIP)	156.13-81156.20)	normoust one it	(CWIP)	1.1 5 100 1.1,	Horancuot Grid No	(CWIP)	504.0 2 1004.21)
	"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		
	"Yes" if the customer has paid a lumpsum payment in the amount														
13	of the investment on line 29, Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	No			No			No			No		
14	ROE	Increased ROE (Basis I	Points)	0			0			25			25		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	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%			11.75%			11.75%		
	Service Account 101 or 106 if not yet classified - End of year														
17	balance	Investment		-			-			72,001,234			3,028,455		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		-			-			1,714,315			72,106		
19	Months in service for depreciation expense from Attachment 6			-			_			13.00			13.00		
	Year placed in Service (0 if CWIP)														
20	CWIP)														
					Depreciation or			Depreciation or	_		Depreciation or	_		Depreciation or	_
21 22		W 11.68 % ROE	Invest Yr 2006	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
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 W 11.68 % ROE	2009 2010												
30		W Increased ROE	2010												
31		W 11.68 % ROE	2010	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
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
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
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
40		W 11.68 % ROE	2015				l			129,109,243		15,714,062	25,032,697		3,046,764
41		W Increased ROE	2015				l			129,109,243		15,939,591	25,032,697		3,090,491
42		W 11.68 % ROE	2016 2016				l			72,001,234 72,001,234		8,335,564 8,459,954	3,028,455 3,028,455		350,603 355,835
43		W Increased ROE													

1	New Plant Carrying Charge		•	Page 14 of 19
2	Fixed Charge Rate (FCR) if if not a CIAC			
3 4 5	Formula Line	Net Plant Carrying Charge without Depreciation Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation Line B less Line A	11.58% 12.27% 0.69%	
6	FCR if a CIAC			
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 Pro-		
9		which includes a 25 basis, point transmission ROE adder as authorized by FERC to become effective January 1, For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 13 month average balance from Atlach 6a, and Line 19 will be number of months to be amortized in year plus or	17 is the	

10		Details		double circuit	Bergen - Marion 13 345 kV and associa rades (B2436.10) (C	ted substation	345 kV and any	ion - Bayonne "L" 13 associated substat (B2436.21) (CWIP)		345 kV and any a	n - Bayonne "C" 138 k ssociated substation 2436.22) (CWIP)			w Bayway - Bayonn ited substation upgr (CWIP)	
i	"Yes" if a project under PJM OATT Schedule 12, otherwise														
11	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
12	Useful life of the project	Life	,,	42			42			42			42		
i	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29,														
13	Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	No			No			No			No		
14	ROE	Increased ROE (Basis F	Points)	0			0			0			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	on line 13 Line 14 plus (line 5 times line	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
16	15)/100 Service Account 101 or 106 if not	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
17	yet classified - End of year balance	Investment		3,108,397			19,887,254			5,133,133			46,154,190		
i		Annual Depreciation													
10	Line 17 divided by line 12	or Amort Exp		74.009			473,506			122,217			1,098,909		
10	Months in service for depreciation			14,003			475,500			122,217			1,000,000		
19	expense from Attachment 6 Year placed in Service (0 if CWIP)			210.49			8.05			23.30			7.02		
20	CWIP)														
i					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21		W 11.68 % ROE	Invest Yr 2006	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22		W Increased ROE	2006												
23		W 11.68 % ROE	2006												
24 25		W 11.68 % ROE W Increased ROE	2007												
26		W 11.68 % ROE	2007												
27		W Increased ROE	2008												
27		W 11.68 % ROE	2008												
28			2003												
30		W Increased ROF	2000												
		W Increased ROE	2009												
		W 11.68 % ROE	2010												
31		W 11.68 % ROE W Increased ROE	2010 2010												
31 32		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2010 2011												
31 32 33		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2010 2010 2011 2011												
31 32 33 34		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2010 2011 2011 2012												
31 32 33 34 35		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2010 2010 2011 2011 2012 2012												
31 32 33 34 35 36		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2010 2011 2011 2012 2012 2013												
31 32 33 34 35 36 37		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2010 2010 2011 2011 2012 2012 2012 2013 2013	9.496.612		301 303	1 580 544		61 526	1 531 022		58 652	2 114 242		74 107
31 32 33 34 35 36 37 38		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE	2010 2010 2011 2011 2011 2012 2012 2013 2013	9,496,612		391,383 301,383	1,589,541 1,589,541		61,526 61,526	1,531,032 1,531,032		58,653 58,653	2,114,342 2,114,342		74,197 74 197
31 32 33 34 35 36 37 38 39		W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2010 2011 2011 2012 2012 2013 2013	9,496,612		391,383	1,589,541		61,526	1,531,032		58,653	2,114,342		74,197
31 32 33 34 35 36 37 38 39 40		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2010 2010 2011 2011 2012 2012 2013 2013	9,496,612 32,184,737		391,383 1,789,839	1,589,541 7,086,018		61,526 435,427	1,531,032 7,014,415		58,653 429,818	2,114,342 6,990,065		74,197 519,891
31 32 33 34 35 36 37 38 39		W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE W 11.68 % ROE	2010 2010 2011 2011 2012 2012 2013 2013	9,496,612		391,383	1,589,541		61,526	1,531,032		58,653	2,114,342		74,197

1	New Plant Carrying Charge		Page 15 of 19
2	Fixed Charge Rate (FCR) if if not a CIAC Formula Line		
3	A 152	Net Plant Carrying Charge without Depreciation 11.	58%
4	B 159		27%
5	C	Line B less Line A 0.0	39%
6	FCR if a CIAC		
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%,
9		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 Atlachment 5 - Abandoned Transmission Projects. Line 11 is the 13 month average balance from Atlach 6a, and Line 19 will be number of months to be amortized in year plus one.	

10		Details		circuit and any	ew North Ave - Bay associated substat (B2436.34) (CWIP)			North Ave - Airport	345 kV circuit and	Linden "T" 138 i to 345 kV, an	derground portion of No kV circuit to Bayway, co d any associated subst des (B2436.60) (CWIP)	onvert it		Airport - Bayway 3 d substation upgrad (CWIP)	
	"Yes" if a project under PJM OATT Schedule 12, otherwise														
11		Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
		Life	(,	42			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount of the investment on line 29.														
13		CIAC	(Yes or No)	No			No			No			No		
14	From line 3 above if "No" on line	Increased ROE (Basis I	Points)	0			0			0			0		
15	13 and From line 7 above if "Yes" on line 13 Line 14 plus (line 5 times line	11.68% ROE		11.58%			11.58%			11.58%			11.58%		
16	15)/100 Service Account 101 or 106 if not	FCR for This Project		11.58%			11.58%			11.58%			11.58%		
17	yet classified - End of year balance	Investment		31,456,933			29,153,435			13,451,622			32,115,662		
		Annual Depreciation		. , ,			.,,						. , .,		
	Line 17 divided by line 12	or Amort Exp		748.975			694,129			320,277			764,659		
18	Months in service for depreciation	-		748,975			694,129			320,277			764,659		
19	expense from Attachment 6 Year placed in Service (0 if CWIP)			5.84			5.97			8.41			6.27		
20	OVVII)														
					Depreciation or	_		Depreciation or	_		Depreciation or			Depreciation or	_
21 22		W 11.68 % ROE	Invest Yr 2006	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization Re	evenue	Ending	Amortization	Revenue
23		W Increased ROE	2006												
24		W 11.68 % ROF	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										1		
31		W Increased ROE	2010										1		
32				I			1						1		
33		W 11.68 % ROF	2011												
		W 11.68 % ROE W Increased ROE	2011 2011												
34		W 11.68 % ROE W Increased ROE W 11.68 % ROE	2011 2011 2012												
34		W Increased ROE W 11.68 % ROE	2011 2012												
34 35		W Increased ROE W 11.68 % ROE W Increased ROE	2011												
34 35 36		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2011 2012 2012 2013												
34 35 36 37		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2011 2012 2012	1,476,460		58.912	838.906		41.991	433.918		21.259	1.370.003		56.093
34 35 36		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2011 2012 2012 2013 2013	1,476,460 1,476,460		58,912 58,912	838,906 838,906		41,991 41,991	433,918 433,918		21,259 21,259	1,370,003 1,370,003		56,093 56,093
34 35 36 37 38		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2011 2012 2012 2013 2013 2014												
34 35 36 37 38 39		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE	2011 2012 2012 2013 2013 2014 2014	1,476,460		58,912	838,906		41,991	433,918		21,259	1,370,003		56,093
34 35 36 37 38 39 40		W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE W Increased ROE W 11.68 % ROE	2011 2012 2012 2013 2013 2014 2014 2015	1,476,460 6,370,913		58,912 298,854	838,906 2,485,441		41,991 164,003	433,918 560,875		21,259 34,539	1,370,003 3,398,194		56,093 271,319

1	New Plant Carrying Charge			Page 16 of 19
2	Fixed Charge Rate (FCR) if if not a CIAC			
3	Formula Line 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	FCR if a CIAC			
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	t is 11.93%,	
		which includes a 25 basis-point transmission ROE adder as authorized by FERC to become effective January 1, 201	2.	
9		For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Line 17	I 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		Ave "T" 138 kV c kV, and any as	erhead portion of Li ircuit to Bayway, co ssociated substation B2436.81) (CWIP)	onvert it to 345		ay - Linden "Z" 138 ated substation upg (CWIP)		345 kV and any as	y - Linden "W" 138 k sociated substation (436.84) (CWIP)		345 kV and any	way - Linden "M" 1 r associated substa (B2436.85) (CWIP)	
	"Yes" if a project under PJM OATT Schedule 12, otherwise														
		Schedule 12	(Yes or No)	Yes			Yes			Yes			Yes		
		Life	(1111)	42			42			42			42		
	"Yes" if the customer has paid a lumpsum payment in the amount						_								
	of the investment on line 29, Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	No			No			No			No		
14		Increased ROE (Basis P	Points)	0			0			0			0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"														
15	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%		
	Service Account 101 or 106 if not yet classified - End of year														
17	balance	Investment		16,422,638			16,422,638			17,333,648			17,333,648		
		Annual Depreciation													
18	Line 17 divided by line 12	or Amort Exp		391,015			391,015			412,706			412,706		
19	Months in service for depreciation expense from Attachment 6			7.65			7.65			8.27			8.27		
	Year placed in Service (0 if			7.05			7.65			0.27			0.27		
20	CWIP)														
					Depreciation or			Depreciation or			Depreciation or			Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization	Revenue
22		W 11.68 % ROE W Increased ROE	2006 2006												
23 24		W 11.68 % ROE	2006												
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 W Increased ROE	2011 2011				1								
33 34		W 11.68 % ROE	2011				1								
34 35		W Increased ROE	2012				1								
36		W 11.68 % ROE	2012				1								
37		W Increased ROE	2013										1		
38		W 11.68 % ROE	2014	597,317		24,145	597,317		24,145	569,297		24,114			24,114
39		W Increased ROE	2014	597,317		24,145	597,317		24,145	569,297		24,114			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
		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

1	New Plant Carrying Charge		Page 17 of 19
2	Fixed Charge Rate (FCR) if if not a CIAC Formula Line		
2	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%	
-	C 139	The Blass Line A 10.69%	
	v	Life Diess Life A 0.09 /6	
6	FCR if a CIAC		
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.	
٥		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		circuits to Ma	igut - Hudson "B" ai arion 345 kV and an upgrades (B2436.9	y associated		udson 2 generation to rion and any associat (B2436.91) (CWIP)			5/230 kV transformer and any tion upgrades (B2437.10) (CV		45/138 kV transform station upgrades (B2	
	"Yes" if a project under PJM OATT Schedule 12, otherwise													
11		Schedule 12	(Yes or No)	Yes			Yes			Yes		Yes		
12	Useful life of the project	Life		42			42			42		42		
	"Yes" if the customer has paid a													
	lumpsum payment in the amount													
13	of the investment on line 29, Otherwise "No"	CIAC	(Yes or No)	No			No			No		No		
13	Input the allowed increase in	OIAG	(163 01 140)	140			140			NO		140		
14	ROE	Increased ROE (Basis F	Points)	0			0			0		0		
	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%		
15	on line 13 Line 14 plus (line 5 times line	11.00% KUE		11.58%			11.58%			11.58%		11.58%		
16		FCR for This Project		11.58%			11.58%			11.58%		11.58%		
	Service Account 101 or 106 if not													
	yet classified - End of year													
17	balance	Investment		906,569)		715,475			2,285,677		2,524,12	7	
		Annual Depreciation												
18	Line 17 divided by line 12	or Amort Exp		21.585	5		17,035			54,421		60.09	R	
	Months in service for depreciation			, , , , ,			·							
19	expense from Attachment 6			134.00)		135.56			65.18		58.8	9	
20	Year placed in Service (0 if CWIP)													
20	GVVII)	1												
					Depreciation or			Depreciation or			Depreciation or		Depreciation or	
21			Invest Yr	Ending	Amortization	Revenue	Ending	Amortization	Revenue	Ending	Amortization Reveni	e Ending	Amortization	Revenue
22		W 11.68 % ROE	2006											
23		W Increased ROE	2006											
24 25		W 11.68 % ROE W Increased ROE	2007 2007											
26		W 11.68 % ROE	2007											
27		W Increased ROE	2008				l							
28		W 11.68 % ROE	2009											
29		W Increased ROE	2009				l							
30		W 11.68 % ROE	2010				l							
31		W Increased ROE	2010				l							
32		W 11.68 % ROE	2011											
33		W Increased ROE	2011											
34		W 11.68 % ROE	2012				l							
35		W Increased ROE	2012											
36		W 11.68 % ROE	2013				l							
37		W Increased ROE	2013	4 504 507		62 000	4 200 000		40 404	4 700 004	200 4	E 000 101		222 474
38 39		W 11.68 % ROE W Increased ROE	2014 2014	1,581,597 1,581,597		63,898 63,898	1,286,903 1,286,903		48,434 48,434	4,799,334 4,799,334	220,1 220,1			223,171 223,171
39 40		W 11.68 % ROE	2014	6.978.388		428,764	6.748.815		409,201	13.083.452	220, I 881.4			881,430
40		W Increased ROE	2015	6,978,388		428,764	6,748,815		409,201	13,083,452	881,4			881,430
41		W 11.68 % ROE	2016	906,569		1,081,821	715,475		863,750	2,285,677	1,326,7			1,323,679
42														

1	New Plant Carrying Char	rge			Page 18 of 19
2	Fixed Charge Rate (FC if not a CIAC	•			
3 4 5	A B C	159	Net Plant Carrying Charge without Depreciation Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation Line B less Line A	11.58% 12.27% 0.69%	
7	D	153	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	1.90%	
8			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 FCRC Order dated December 30, 2011 in Docket No. ER12.296, the ROE for the Northeast Grid Reliability P which includes a 25 basis-point transmission ROE adder as authorized by FCRC to become effective January 1 For abandoned plant lines 12, 14, 15, and 16 will be from Attachment 5 - Abandoned Transmission Projects, Lit 13 month average balance from Attach 6a, and Line 19 will be number of months to be amortized in year plus	, 2012. ne 17 is the	

10		Details		any assoc	345/138 kV transfo ciated substation u (B2437.20) (CWIP)	upgrades		345/138 kV transforme ostation upgrades (B24			5/230 kV transformer and a station upgrades (B2437.3 (CWIP)	30) New Bayo	onne 345/69 kV transfo substation upgrades (E	
	"Yes" if a project under PJM OATT Schedule 12, otherwise													
11	"No"	Schedule 12	(Yes or No)	Yes			Yes			Yes		Yes		
12	Useful life of the project	Life	,,	42			42			42		42		
	"Yes" if the customer has paid a lumpsum payment in the amount													
13	of the investment on line 29, Otherwise "No" Input the allowed increase in	CIAC	(Yes or No)	No			No			No		No		
14	ROE	Increased ROE (Basis F	Points)	0			0			0		0		
	From line 3 above if "No" on line 13 and From line 7 above if "Yes"													
15	on line 13	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	Service Account 101 or 106 if not yet classified - End of year balance	Investment		7.543.949			7.544.669			16.168.432		3,913,24	•	
1/	balance			7,543,949			7,544,669		ļ	16,168,432		3,913,24	3	
		Annual Depreciation or Amort Exp												
18	Line 17 divided by line 12	of Amort Exp		179,618			179,635			384,963		93,17	3	
19	Months in service for depreciation expense from Attachment 6 Year placed in Service (0 if			9.52			9.52			5.92		4.1	9	
20	CWIP)													
21			Invest Yr	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization	Revenue	Ending	Depreciation or Amortization Reve	nue Endina	Depreciation or Amortization	Revenue
22		W 11.68 % ROE	2006											
23		W Increased ROE	2006											
24		W 11.68 % ROE	2007						l					
25		W Increased ROE	2007						l					
26		W 11.68 % ROE	2008						l					
27		W Increased ROE	2008											
28		W 11.68 % ROE	2009						l					
29		W Increased ROE	2009						l					
30		W 11.68 % ROE	2010											
31		W Increased ROE	2010						l					
32		W 11.68 % ROE	2011						l					
33		W Increased ROE	2011						ļ					
34		W 11.68 % ROE	2012	1					ļ					
35		W Increased ROE	2012	1					ļ					
36		W 11.68 % ROE	2013						ļ					
37		W Increased ROE W 11.68 % ROE	2013 2014	100 500		4.040	124 051		4.050	227 424	40	.854 133.460	0	F 677
38		W 11.68 % ROE W Increased ROE	2014	123,509 123,509		4,946 4,946	124,051 124,051		4,952 4,952	337,481 337,481		,854 133,460 ,854 133,460		5,677 5,677
39 40		W 11.68 % ROE	2014	300,607		14,347	300,607		14.347	3.392.144		.534 148.687		12.403
40		W Increased ROE	2015	300,607		14,347	300,607		14,347	3,392,144		,534 148,687		12,403
41						639,295			639.379	16.168.432		.765 3.913.246		145.981
42		W 11.68 % ROE	2016	7.543.949			7.544.669							

1		New Plant Carrying Cha	arge								Page 19 of 19
2		Fixed Charge Rate (Fo	CR) if								
3 4 5		A B C	152 159	Net Plant Carrying Ch Net Plant Carrying Ch Line B less Line A	arge without Depre arge per 100 Basis	ciation Point in ROE v	without Dep	preciation		11.58% 12.27% 0.69%	
6		FCR if a CIAC									
7		D	153	Net Plant Carrying Ch	arge without Depre	ciation, Return,	nor Incom	e Taxes		1.90%	
				The FCR resulting from Therefore actual revenue					uent years.		
8									t Grid Reliability Project is	11.93%,	
9					es 12, 14, 15, and 16	will be from Atta	chment 5 - a	Abandoned Transm	effective January 1, 2012. ission Projects, Line 17 is rtized in year plus one.	the	
10		Details		BRH Project (I	B0829-B0830) Ab	andoned					
1	"Yes" if a project under PJM OATT Schedule 12, otherwise										
11	"No" Useful life of the project "Yes" if the customer has paid a lumpsum payment in the amount	Schedule 12 Life	(Yes or No)	Yes 1							
13	of the investment on line 29, Otherwise "No"	CIAC	(Yes or No)	No							
14	Input the allowed increase in ROE	Increased ROE (Basis	Points)	0							
15	From line 3 above if "No" on line 13 and From line 7 above if "Yes" on line 13	11.68% ROE		0.00%							
	Line 14 plus (line 5 times line 15)/100	FCR for This Project		0.00%							
16	Service Account 101 or 106 if not yet classified - End of year	•		0.00%							
17	balance	Investment Annual Depreciation		-							
18 19 20	Line 17 divided by line 12 Months in service for depreciation expense from Attachment 6 Year placed in Service (0 if CWIP)	or Amort Exp		-							
					Depreciation or	_					
21 22		W 11.68 % ROE	2006	Ending	Amortization	Revenue	\$	Total 4,652,471	Incentive Charged	Revenue Credit \$ 4,652,471	
23		W Increased ROE W 11.68 % ROE	2006 2007				\$	4,652,471 29,476,571	\$ 4,652,471	\$ 29,476,571	\$ -
25		W Increased ROE	2007				\$	29,476,571	\$ 29,476,571		\$ -
26 27		W 11.68 % ROE W Increased ROE	2008 2008				\$	32,346,385 32,385,646	\$ 32,385,646	\$ 32,346,385	39,261
28		W 11.68 % ROE	2009				\$	51,356,608		\$ 51,356,608	·
29 30		W Increased ROE W 11.68 % ROE	2009 2010				\$	51,588,883 61,349,032	\$ 51,588,883	\$ 61,349,032	232,275
31		W Increased ROE	2010				\$	62,015,568	\$ 62,015,568		666,536
32 33		W 11.68 % ROE W Increased ROE	2011 2011				\$	78,438,322 79,823,709	\$ 79,823,709	\$ 78,438,322	1,385,386
34		W 11.68 % ROE W Increased ROE	2012 2012				\$	129,728,618 131,858,773		\$ 129,728,618	
35 36		W 11.68 % ROE	2013	1,750,000	3,500,000	3,721,715	\$	279,708,533		\$ 279,708,533	
37 38		W Increased ROE W 11.68 % ROE	2013 2014	1,750,000	3,500,000	3,721,715	\$ \$	284,314,797 342,977,142	\$ 284,314,797	\$ 342,977,142	4,606,265
39		W Increased ROE	2014				\$	349,823,024	\$ 349,823,024		6,845,883
40 41		W 11.68 % ROE W Increased ROE	2015 2015				\$	434,277,698 441,950,239	\$ 441,950,239	\$ 434,277,698	7,672,541
42		W 11.68 % ROE	2016 2016				\$	522,903,602	, , , , , , ,	\$ 522,903,602	
43		W Increased ROE	2016	1			\$	530,687,571	\$ 530,687,571	l	7,783,969

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

Plant Type	PSE&G
Transmission	2.40
Distribution	
High Voltage Distribution	2.49
Meters	2.49
Line Transformers	2.49
All Other Distribution	2.49
General & Common	
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

Required Transmission Enhancements

Required Transmis	sion Enhancements	Estimated/Actual	1
Upgrade ID	RTEP Baseline Project Description	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			
50170	Reconductor the Flagtown-Somerville-Bridgewater 230 kV circuit with 1590 ACSS		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 - Athenia Upgrade Cable Build new 500 kV transmission facilities from Pennsylvania - New Jersey border at	\$ 14,404,842	May-12
b0489	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
	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated		
b2436.21	Substation upgrades Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated	\$ 19,694,890	Jun-16
b2436.22	Substation upgrades Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any	\$ 19,694,890	Jun-16
b2436.90	associated substation upgrades Relocate the Hudson 2 generation to inject into the 345 kV at Marion and any associated	\$ 27,239,122	Jun-16
b2436.91	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

Attachment 6 PJM Compliance Filing Docket No. ER14-1485-007

PJM Interconnection, L.L.C. 2750 Monroe Boulevard Audubon, PA 19403-2497

Pauline Foley Assistant General Counsel T: (610) 666-8248 | F: (610) 666-8211 pauline.foley@pjm.com

May 20, 2016

Kimberly D. Bose, Secretary Federal Energy Regulatory Commission 888 First Street, N.E., Room 1A Washington, D.C. 20426

PJM Interconnection, L.L.C., Docket No. ER14-1485-007 Re:

Compliance Filing

Dear Secretary Bose:

PJM Interconnection, L.L.C. ("PJM") submits this filing in compliance with the Commission's April 22, 2016 order, which among other things, directed PJM to revise the cost responsibility assignments for the Sewaren Project¹ set forth in Schedule 12-Appendix A of the PJM Open Access Transmission Tariff ("PJM Tariff") consistent with the current Tariff on file.² PJM requests an effective date as determined by the Commission upon acceptance of this compliance filing.

I. **BACKGROUND**

On November 1, 2013, PJM submitted amendments to Schedule 12-Appendix A of the PJM Tariff approved by the PJM Board of Managers ("PJM Board") on October 2, 2013 and included in the regional transmission expansion plan ("RTEP").³ The November 1 Filing proposed to incorporate cost responsibility assignments for 192 baseline upgrades, including the Sewaren Project. The Sewaren Project was included in the RTEP as a reliability project and cost responsibility was assigned based on the solution-based distribution factor ("solution-based

¹ The Sewaren Project is identified as baseline project b2276 and its subparts.

² Consolidated Edison Company of New York, Inc. v. PJM Interconnection, L.L.C., et al., 155 FERC ¶ 61,088 (Apr. 22, 2016) ("April 22 Order").

³ PJM Interconnection, L.L.C., Revisions to PJM Tariff, Schedule 12-Appendix A, Docket No. ER14-274-000 (Nov. 1, 2013) ("November 1 Filing").

Honorable Kimberly D. Bose, Secretary

Re: PJM Interconnection, L.L.C.

May 20, 2016

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DFAX") methodology set forth in Schedule 12(b)(iii). The Commission accepted the

November 1 Filing, including the Sewaren Project, effective January 30, 2014 as requested.⁴

On March 13, 2014, PJM submitted amendments to Schedule 12-Appendix A, including

corrections to the percentages of cost responsibility attributed to Linden VFT, LLC and

Consolidated Edison Company, Inc. for the Sewaren Project. By order dated September 11,

2015, the Commission found PJM's proposed revisions to Schedule 12-Appendix A, which

reflected modeling corrections for the cost allocation of the Sewaren Project, to be consistent

with Schedule 12 of the PJM Tariff.⁵

In the meantime, the PJM Transmission Owners filed a proposed cost allocation

methodology for certain RTEP projects that would not otherwise be included in the RTEP but for

the fact that such projects solely address local transmission owner planning criteria submitted in

a FERC Form No. 715 ("FERC Form 715 methodology"). By order dated February 12, 2016,

the Commission granted rehearing and accepted proposed revisions to Schedule 12 of the PJM

Tariff to allocate 100 percent of the costs of projects included in the RTEP solely to address

Form 715 local transmission owner planning criteria to the transmission owner in the zone in

which the criteria applied, effective May 25, 2015.⁶

By order dated April 22, 2016, the Commission found the Sewaren Project was included

in the RTEP solely to address an individual transmission owner's Form 715 local planning

criteria.7 The Commission also determined that the PJM Transmission Owners' proposed

Form 715 methodology did not exempt projects, like Sewaren, that were previously included in

⁴ PJM Interconnection, L.L.C., Letter Order, Docket No. ER14-274-000 (Jan. 15, 2014).

⁵ *PJM Interconnection, L.L.C.*, 152 FERC ¶ 61,187 (2015) ("Sewaren Order").

⁶ PJM Interconnection, L.L.C., 154 FERC ¶ 61,096 (Feb. 12, 2016).

⁷ April 22 Order at P 51.

Honorable Kimberly D. Bose, Secretary

Re: PJM Interconnection, L.L.C.

May 20, 2016

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the RTEP from application of the new methodology. Consequently, the Commission directed

PJM to submit a compliance filing by May 22, 2016 to revise the cost allocation for the Sewaren

Project to reflect the Form 715 methodology.

In compliance, PJM submits the revised tariff sheets for b2776 and its subparts

reassigning 100 percent of the cost responsibility for the project to Public Service Electric and

Gas Company, who filed the Form 715 local planning criteria. PJM requests an effective date as

determined by the Commission upon acceptance of this compliance filing.

II. DOCUMENTS ENCLOSED

PJM encloses the following:

a. This transmittal letter;

b. Attachment A - Cost Responsibility Assignment Summary for b2276, 2276.1 and

2276.2;

c. Attachment B – Revised Schedule 12-Appendix A of the PJM Tariff (in redlined

form); and

d. Attachment C – Revised Schedule 12-Appendix A of the PJM Tariff (in clean form).

III. CORRESPONDENCE AND COMMUNICATIONS

Correspondence and communications with respect to this filing should be sent to the

following persons:

Craig Glazer

Vice President–Federal Government Policy

PJM Interconnection, L.L.C.

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Honorable Kimberly D. Bose, Secretary

Re: PJM Interconnection, L.L.C.

May 20, 2016

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IV. SERVICE

PJM has served a copy of this filing on all PJM Members and on all state utility

regulatory commissions in the PJM Region by posting this filing electronically. In accordance

with the Commission's regulations, 8 PJM will post a copy of this filing to the FERC filings

section of its internet site, located at the following link: http://www.pjm.com/documents/ferc-

manuals/ferc-filings.aspx with a specific link to the newly-filed document, and will send an e-

mail on the same date as this filing to all PJM Members and all state utility regulatory

commissions in the PJM Region⁹ alerting them this filing has been made by PJM and is available

by following such link. If the document is not immediately available by using the referenced

link, the document will be available through the referenced link within twenty-four hours of the

filing. Also, a copy of this filing will be available on the Commission's eLibrary website located

at the following link: http://www.ferc.gov/docs-filing/elibrary.asp in accordance with the

Commission's regulations and Order No. 714.

Vice President – Federal Government Policy

PJM Interconnection, L.L.C.

Washington, DC 20005

craig.glazer@pim.com

Ph: (202) 423-4743 Fax: (202) 393-7741

1200 G Street, NW, Suite 600

Respectfully submitted,

Bv:

Pauline Foley

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Counsel for

PJM Interconnection, L.L.C.

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⁸ See 18 C.F.R. §§ 35.2(e) and 385.201(f)(3) (2015).

⁹ PJM already maintains, updates, and regularly uses electronic mailing lists for all PJM Members and affected state

commissions.

Craig Glazer

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that I have this day had served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated at Audubon, Pennsylvania, this 20th day of May, 2016.

Pauline Foley

Assistant General Counsel PJM Interconnection, L.L.C.

2750 Monroe Blvd. Audubon, PA 19428

Ph: (610) 666-8248 pauline.foley@pjm.com

Attachment A

Cost Responsibility Summary Sheets

Baseline Upgrade b2276

• Overview of Reliability Problem

► Criteria Violation: Sewaren damage due to Sandy

► Contingency: N/A

► Criteria test: PSEG Criteria

Overview of Reliability Solution

▶ Description of Upgrade: Eliminate the Sewaren 138 kV bus by installing a new 230 kV bay at Sewaren 230 kV

Upgrade In-Service Date: June 01, 2015
 Estimated Upgrade Cost: \$101.00 M
 Construction Responsibility: PSEG

Cost Allocation

► The cost for this upgrade is allocated 100% to PSEG because the sole purpose of the upgrade is to address FERC Form 715 Transmission Owner planning criteria.

Baseline Upgrade b2276.1

• Overview of Reliability Problem

► Criteria Violation: Sewaren damage due to Sandy

► Contingency: N/A

► Criteria test: PSEG Criteria

- Overview of Reliability Solution
 - ▶ Description of Upgrade: Convert the two 138 kV circuits from Sewaren Metuchen to 230 kV circuits including Lafayette and Woodbridge substation
 - ▶ Upgrade In-Service Date: June 01, 2015
 - ▶ Estimated Upgrade Cost: Cost estimate included as part of network upgrade b2276.
 - ► Construction Responsibility: PSEG
- Cost Allocation
 - ► The cost for this upgrade is allocated 100% to PSEG because the sole purpose of the upgrade is to address Transmission Owner planning criteria.

Baseline Upgrade b2276.2

• Overview of Reliability Problem

► Criteria Violation: Sewaren damage due to Sandy

► Contingency: N/A

► Criteria test: PSEG Criteria

Overview of Reliability Solution

▶ Description of Upgrade: Reconfigure the Metuchen 230 kV station to accommodate the two converted circuits

▶ Upgrade In-Service Date: June 01, 2015

► Estimated Upgrade Cost: Cost estimate included as part of network upgrade b2276.

► Construction Responsibility: PSEG

Cost Allocation

► The cost for this upgrade is allocated 100% to PSEG because the sole purpose of the upgrade is to address Transmission Owner planning criteria.

Attachment B

Revisions to Schedule 12- Appendix A of the PJM Open Access Transmission Tariff

(Marked Format)

SCHEDULE 12 – APPENDIX A

(12) Public Service Electric and Gas Company

Required Tra	ansmission 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

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.

^{**}East Coast Power, L.L.C.

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

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) Install a second four (4) breaker 69kV ring bus at b2421.2 PSEG (100%) Bridgewater Switching Station **Load-Ratio Share Allocation:** 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%) / Convert the Bergen -Dominion (12.42%) / EKPC Homestead "F" 138 kV (2.15%) / HTP*** (0.20%) / b2436.11 circuit to 345 kV and any JCPL (3.54%) / ME (1.77%) / associated substation NEPTUNE* (0.42%) / PECO upgrades (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX Allocation:** ConEd (94.04%) / HTP*** (0.51%) / ECP** (5.45%) **Load-Ratio Share Allocation:** 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%) / Convert the Bergen -Dominion (12.42%) / EKPC North Bergen "E" 138 kV (2.15%) / HTP*** (0.20%) / circuit to 345 kV and any b2436.12 JCPL (3.54%) / ME (1.77%) / associated substation NEPTUNE* (0.42%) / PECO upgrades (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX** Allocation: ConEd (94.32%) / HTP*** (0.22%) / ECP** (5.46%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
		AEC (1.53%) / AEP (15.32%) /
	Convert the North Bergen - Homestead "E" 138 kV circuit to 345 kV and any associated substation upgrades	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%) /
ļ		Dominion (12.42%) / EKPC
b2436.13		(2.15%) / HTP*** (0.20%) /
02 130.13		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%)
		DFAX Allocation:
		ConEd (93.88%) / HTP***
		(0.68%) / ECP** (5.44%)
	Convert the Homestead - Marion "E" 138 kV circuit to 345 kV and any associated substation upgrades	Load-Ratio Share Allocation:
		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
12426 14		(2.15%) / HTP*** (0.20%) /
b2436.14		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%)
		DFAX Allocation:
		ConEd (92.09%) / HTP***
		(0.44%) / ECP** (5.33%) / PSEG
		(2.06%) / RE (0.08%)

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

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
		AEC (1.53%) / AEP (15.32%) /
		APS (5.87%) / ATSI (7.76%) /
		BGE (4.18%) / ComEd (12.38%)
	Convert the Homestead - Marion "F" 138 kV circuit	/ ConEd (0.57%) / Dayton
		(2.01%) / DEOK (3.21%) / DL
		(1.69%) / DPL (2.43%) /
		Dominion (12.42%) / EKPC
		(2.15%) / HTP*** (0.20%) /
b2436.15	to 345 kV and any	JCPL (3.54%) / ME (1.77%) /
	associated substation	NEPTUNE* (0.42%) / PECO
	upgrades	(5.18%) / PENELEC (1.92%) /
		PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (92.45%) / HTP***
		(0.39%) / ECP** (5.35%) / PSEG
		(1.74%) / RE (0.07%)
		Load-Ratio Share Allocation:
	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades	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
b2436.21		(2.15%) / HTP*** (0.20%) /
02430.21		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%)
		DFAX Allocation:
		ConEd (85.83%) / HTP***
		(13.21%) / ECP** (0.96%)

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

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
Trequired Tre		Load-Ratio Share Allocation:
		AEC (1.53%) / AEP (15.32%) /
	Convert the Marion -	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
	Bayonne "C" 138 kV	(2.15%) / HTP*** (0.20%) /
b2436.22	circuit to 345 kV and any associated substation upgrades	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%)
		DFAX Allocation:
		ConEd (85.83%) / HTP***
		(13.21%) / ECP** (0.96%)
	Convert the Bayonne - PVSC "I" 138 kV circuit to 345 kV and any associated substation upgrades	Load-Ratio Share Allocation:
		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
b2436.31		(2.15%) / HTP*** (0.20%) /
02430.31		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%)
		DFAX Allocation:
		ConEd (86.70%) / HTP***
		(12.33%) / ECP** (0.97%)

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

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
1		Load-Ratio Share Allocation:
		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%) /
	Construct a new Bayonne	Dominion (12.42%) / EKPC
1 2 42 6 22	- PVSC 345 kV circuit and	(2.15%) / HTP*** (0.20%) /
b2436.32	any associated substation	JCPL (3.54%) / ME (1.77%) /
	upgrades	NEPTUNE* (0.42%) / PECO
	wpg.wwo	(5.18%) / PENELEC (1.92%) /
		PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (86.67%) / HTP***
		(12.32%) / ECP** (1.01%)
		Load-Ratio Share Allocation:
		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%) /
	Convert the PVSC - North	Dominion (12.42%) / EKPC
b2436.41	Ave "E" 138 kV circuit to	(2.15%) / HTP*** (0.20%) /
	345 kV and any associated	JCPL (3.54%) / ME (1.77%) /
	substation upgrades	NEPTUNE* (0.42%) / PECO
		(5.18%) / PENELEC (1.92%) /
		PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (86.92%) / HTP***
		(12.36%) / ECP** (0.72%)

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

^{***}Hudson Transmission Partners, LLC

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) **Load-Ratio Share Allocation:** 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%) / Construct a new PVSC -Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20%) / North Ave 345 kV circuit b2436 42 and any associated JCPL (3.54%) / ME (1.77%) / NEPTUNE* (0.42%) / PECO substation upgrades (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX Allocation:** ConEd (86.93%) / HTP*** (12.36%) / ECP** (0.71%) Construct a new North Ave - Airport 345 kV ConEd (86.59%) / HTP*** b2436.50 (12.31%) / ECP** (1.10%) circuit and any associated substation upgrades Relocate the underground portion of North Ave -Linden "T" 138 kV circuit ConEd (87.35%) / HTP*** b2436.60 to Bayway, convert it to (12.42%) / ECP** (0.23%) 345 kV, and any associated substation upgrades Construct a new Airport -Bayway 345 kV circuit ConEd (87.43%) / HTP*** b2436 70 (12.43%) / ECP** (0.14%) and any associated substation upgrades

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
		AEC (1.53%) / AEP (15.32%) /
		APS (5.87%) / ATSI (7.76%) /
		BGE (4.18%) / ComEd (12.38%)
		/ ConEd (0.57%) / Dayton
	Relocate the overhead portion of Linden - North Ave "T" 138 kV circuit to Bayway, convert it to 345 kV, and any associated substation upgrades	(2.01%) / DEOK (3.21%) / DL
		(1.69%) / DPL (2.43%) /
		Dominion (12.42%) / EKPC
		(2.15%) / HTP*** (0.20%) /
b2436.81		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%)
		DFAX Allocation:
		ConEd (22.94%) / HTP***
		(5.10%) / ECP** (0.08%) / PSEG
		(69.17%) / RE (2.71%)
		Load-Ratio Share Allocation:
	Convert the Bayway - Linden "X" 138 kV circuit to 345 kV and any associated substation upgrades	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%) /
b2436.82		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%)
		DFAX Allocation:
		ConEd (22.94%) / HTP***
		(5.10%) / ECP** (0.08%) / PSEG
		(69.17%) / RE (2.71%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requireme	ent Responsible Customer(s)
			Load-Ratio Share Allocation:
			AEC (1.53%) / AEP (15.32%) /
			APS (5.87%) / ATSI (7.76%) /
		I	BGE (4.18%) / ComEd (12.38%)
	Convert the Bayway - Linden "Z" 138 kV circuit to 345 kV and any associated substation		/ ConEd (0.57%) / Dayton
			(2.01%) / DEOK (3.21%) / DL
			(1.69%) / DPL (2.43%) /
			Dominion (12.42%) / EKPC
			(2.15%) / HTP*** (0.20%) /
b2436.83			JCPL (3.54%) / ME (1.77%) /
			NEPTUNE* (0.42%) / PECO
	upgrades		(5.18%) / PENELEC (1.92%) /
			PEPCO (3.98%) / PPL (5.05%) /
			PSEG (5.97%) / RE (0.25%) /
			ECP** (0.20%)
			DFAX Allocation:
			ConEd (22.94%) / HTP***
			5.10%) / ECP** (0.08%) / PSEG
			(69.17%) / RE (2.71%)
			Load-Ratio Share Allocation:
	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades		AEC (1.53%) / AEP (15.32%) /
			APS (5.87%) / ATSI (7.76%) /
		I	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
b2436.90			(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%)
			DFAX Allocation:
			ConEd (100.00%)
			` '

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

^{***}Hudson Transmission Partners, LLC

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) Relocate the Hudson 2 generation to inject into b2436.91 PSEG (100.00%) the 345 kV at Marion and any associated upgrades New Bergen 345/230 kV ConEd (91.84%) / HTP*** transformer and any b2437.10 (1.16%) / ECP** (3.56%) / PSEG associated substation (3.31%) / RE (0.13%) upgrades New Bergen 345/138 kV transformer #1 and any b2437.11 ConEd (100.00%) associated substation upgrades New Bergen 345/138 kV transformer #2 and any ConEd (81.64%) / HTP*** b2437.12 associated substation (18.36%)upgrades New Bayway 345/138 kV transformer #1 and any b2437.20 ConEd (100.00%) associated substation upgrades New Bayway 345/138 kV transformer #2 and any b2437.21 ConEd (100.00%) associated substation upgrades New Linden 345/230 kV transformer and any ConEd (86.94%) / HTP*** b2437.30 (11.36%) / ECP** (1.70%) associated substation upgrades New Linden 230/138 kV ConEd (15.49%) / HTP*** transformer and any (3.67%) / ECP** (15.51%) / b2437.31 associated substation PSEG (62.86%) / RE (2.47%) upgrades Install two reactors at b2438 PSEG (100.00%) Tosco 230 kV Replace the Tosco 138kV breaker 'CB1/2 (CBT)' b2439 PSEG (100.00%) with 63kA Rebuild Athenia 138 kV to b2474 PSEG (100%) 80kA

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Attachment C

Revisions to Schedule 12- Appendix A of the PJM Open Access Transmission Tariff

(Clean Format)

SCHEDULE 12 – APPENDIX A

(12) Public Service Electric and Gas Company

Required Tra	ansmission 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

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.

^{**}East Coast Power, L.L.C.

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

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) Install a second four (4) breaker 69kV ring bus at b2421.2 PSEG (100%) **Bridgewater Switching** Station **Load-Ratio Share Allocation:** 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%) / Convert the Bergen -Dominion (12.42%) / EKPC Homestead "F" 138 kV (2.15%) / HTP*** (0.20%) / b2436.11 circuit to 345 kV and any JCPL (3.54%) / ME (1.77%) / associated substation NEPTUNE* (0.42%) / PECO upgrades (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX Allocation:** ConEd (94.04%) / HTP*** (0.51%) / ECP** (5.45%) **Load-Ratio Share Allocation:** 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%) / Convert the Bergen -Dominion (12.42%) / EKPC North Bergen "E" 138 kV (2.15%) / HTP*** (0.20%) / circuit to 345 kV and any b2436.12 JCPL (3.54%) / ME (1.77%) / associated substation NEPTUNE* (0.42%) / PECO upgrades (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX Allocation:** ConEd (94.32%) / HTP*** (0.22%) / ECP** (5.46%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirer	nent Responsible Customer(s)
			Load-Ratio Share Allocation:
	Convert the North Bergen - Homestead "E" 138 kV circuit to 345 kV and any associated substation		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%) /
b2436.13			Dominion (12.42%) / EKPC
			(2.15%) / HTP*** (0.20%) /
02430.13			JCPL (3.54%) / ME (1.77%) /
	upgrades		NEPTUNE* (0.42%) / PECO
	upgrades		(5.18%) / PENELEC (1.92%) /
			PEPCO (3.98%) / PPL (5.05%) /
			PSEG (5.97%) / RE (0.25%) /
			ECP** (0.20%)
			DFAX Allocation:
			ConEd (93.88%) / HTP***
			(0.68%) / ECP** (5.44%)
	Convert the Homestead - Marion "E" 138 kV circuit to 345 kV and any associated substation upgrades		Load-Ratio Share Allocation:
			AEC (1.53%) / AEP (15.32%) /
			APS (5.87%) / ATSI (7.76%) /
			BGE (4.18%) / ComEd (12.38%)
			/ ConEd (0.57%) / Dayton
b2436.14			(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%)
			DFAX Allocation:
			ConEd (92.09%) / HTP*** (0.44%) / ECP** (5.33%) / PSEG
			(2.06%) / RE (0.08%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requiren	nent Responsible Customer(s)
			Load-Ratio Share Allocation:
			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%) /
	Convert the Homestead -		Dominion (12.42%) / EKPC
	Marion "F" 138 kV circuit		(2.15%) / HTP*** (0.20%) /
b2436.15	to 345 kV and any		JCPL (3.54%) / ME (1.77%) /
	associated substation		NEPTUNE* (0.42%) / PECO
	upgrades		(5.18%) / PENELEC (1.92%) /
			PEPCO (3.98%) / PPL (5.05%) /
			PSEG (5.97%) / RE (0.25%) /
			ECP** (0.20%)
			DFAX Allocation:
			ConEd (92.45%) / HTP***
			(0.39%) / ECP** (5.35%) / PSEG
			(1.74%) / RE (0.07%)
			Load-Ratio Share Allocation:
	Convert the Marion - Bayonne "L" 138 kV circuit to 345 kV and any associated substation upgrades		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
b2436.21			(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%)
			DFAX Allocation:
			ConEd (85.83%) / HTP***
			(13.21%) / ECP** (0.96%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
b2436.22		AEC (1.53%) / AEP (15.32%) /
	Convert the Marion - Bayonne "C" 138 kV circuit to 345 kV and any associated substation	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%) /
02430.22		JCPL (3.54%) / ME (1.77%) /
		NEPTUNE* (0.42%) / PECO
	upgrades	(5.18%) / PENELEC (1.92%) /
		PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (85.83%) / HTP***
		(13.21%) / ECP** (0.96%)
	Convert the Bayonne - PVSC "I" 138 kV circuit to 345 kV and any associated substation upgrades	Load-Ratio Share Allocation:
		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
b2436.31		(2.15%) / HTP*** (0.20%) /
02430.31		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%)
		DFAX Allocation:
		ConEd (86.70%) / HTP***
		(12.33%) / ECP** (0.97%)

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

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
		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
b2436.32		(1.69%) / DPL (2.43%) /
	Construct a new Bayonne	Dominion (12.42%) / EKPC
	- PVSC 345 kV circuit and	(2.15%) / HTP*** (0.20%) /
	any associated substation	JCPL (3.54%) / ME (1.77%) /
	upgrades	NEPTUNE* (0.42%) / PECO
		(5.18%) / PENELEC (1.92%) /
		PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (86.67%) / HTP***
		(12.32%) / ECP** (1.01%)
		Load-Ratio Share Allocation:
	Convert the PVSC - North Ave "E" 138 kV circuit to 345 kV and any associated substation upgrades	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%) /
b2436.41		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%)
		DFAX Allocation:
		ConEd (86.92%) / HTP***
		(12.36%) / ECP** (0.72%)

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

^{***}Hudson Transmission Partners, LLC

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) **Load-Ratio Share Allocation:** 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%) / Construct a new PVSC -Dominion (12.42%) / EKPC (2.15%) / HTP*** (0.20%) / North Ave 345 kV circuit b2436.42 and any associated JCPL (3.54%) / ME (1.77%) / substation upgrades NEPTUNE* (0.42%) / PECO (5.18%) / PENELEC (1.92%) / PEPCO (3.98%) / PPL (5.05%) / PSEG (5.97%) / RE (0.25%) / ECP** (0.20%) **DFAX Allocation:** ConEd (86.93%) / HTP*** (12.36%) / ECP** (0.71%) Construct a new North ConEd (86.59%) / HTP*** Ave - Airport 345 kV b2436.50 (12.31%) / ECP** (1.10%) circuit and any associated substation upgrades Relocate the underground portion of North Ave -Linden "T" 138 kV circuit ConEd (87.35%) / HTP*** b2436.60 to Bayway, convert it to (12.42%) / ECP** (0.23%) 345 kV, and any associated substation upgrades Construct a new Airport -Bayway 345 kV circuit ConEd (87.43%) / HTP*** b2436.70 (12.43%) / ECP** (0.14%) and any associated substation upgrades

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission Enhancements A	Annual Revenue Requirement Responsible Customer(s)
		Load-Ratio Share Allocation:
		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
	Relocate the overhead	(1.69%) / DPL (2.43%) /
	portion of Linden - North Ave "T" 138 kV circuit to	Dominion (12.42%) / EKPC
		(2.15%) / HTP*** (0.20%) /
b2436.81		JCPL (3.54%) / ME (1.77%) /
	Bayway, convert it to 345	NEPTUNE* (0.42%) / PECO
	kV, and any associated	(5.18%) / PENELEC (1.92%) /
	substation upgrades	PEPCO (3.98%) / PPL (5.05%) /
		PSEG (5.97%) / RE (0.25%) /
		ECP** (0.20%)
		DFAX Allocation:
		ConEd (22.94%) / HTP***
		(5.10%) / ECP** (0.08%) / PSEG
		(69.17%) / RE (2.71%)
		Load-Ratio Share Allocation:
	Convert the Bayway - Linden "X" 138 kV circuit to 345 kV and any associated substation upgrades	AEC (1.53%) / AEP (15.32%) /
		APS (5.87%) / ATSI (7.76%) /
		BGE (4.18%) / ComEd (12.38%)
		/ ConEd (0.57%) / Dayton
b2436.82		(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%)
		DFAX Allocation:
		ConEd (22.94%) / HTP***
		(5.10%) / ECP** (0.08%) / PSEG
		(69.17%) / RE (2.71%)

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

^{***}Hudson Transmission Partners, LLC

Required Tra	ansmission 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	Load-Ratio Share Allocation: AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%)
b2436.90	Relocate Farragut - Hudson "B" and "C" 345 kV circuits to Marion 345 kV and any associated substation upgrades	Load-Ratio Share Allocation: AEC (1.53%) / AEP (15.32%) / APS (5.87%) / ATSI (7.76%) / BGE (4.18%) / ComEd (12.38%)

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) Relocate the Hudson 2 generation to inject into b2436.91 PSEG (100.00%) the 345 kV at Marion and any associated upgrades New Bergen 345/230 kV ConEd (91.84%) / HTP*** transformer and any b2437.10 (1.16%) / ECP** (3.56%) / PSEG associated substation (3.31%) / RE (0.13%) upgrades New Bergen 345/138 kV transformer #1 and any b2437.11 ConEd (100.00%) associated substation upgrades New Bergen 345/138 kV transformer #2 and any ConEd (81.64%) / HTP*** b2437.12 associated substation (18.36%) upgrades New Bayway 345/138 kV transformer #1 and any b2437.20 ConEd (100.00%) associated substation upgrades New Bayway 345/138 kV transformer #2 and any b2437.21 ConEd (100.00%) associated substation upgrades New Linden 345/230 kV ConEd (86.94%) / HTP*** transformer and any b2437.30 (11.36%) / ECP** (1.70%) associated substation upgrades New Linden 230/138 kV ConEd (15.49%) / HTP*** transformer and any (3.67%) / ECP** (15.51%) / b2437.31 associated substation PSEG (62.86%) / RE (2.47%) upgrades Install two reactors at PSEG (100.00%) b2438 Tosco 230 kV Replace the Tosco 138kV breaker 'CB1/2 (CBT)' b2439 PSEG (100.00%) with 63kA Rebuild Athenia 138 kV to b2474 PSEG (100%) 80kA

^{*}Neptune Regional Transmission System, LLC

^{**}East Coast Power, L.L.C.

^{***}Hudson Transmission Partners, LLC

Attachment 7 FERC Order Docket No. ER14-1485-007 Issued December 9, 2016

157 FERC ¶ 61,190 UNITED STATES OF AMERICA FEDERAL ENERGY REGULATORY COMMISSION

Before Commissioners: Norman C. Bay, Chairman;

Cheryl A. LaFleur, and Colette D. Honorable.

PJM Interconnection, L.L.C.

Docket Nos. ER14-1485-007

ER14-1485-008

ER14-1485-009

ORDER DENYING REHEARING, DENYING CLARIFICATION, AND REJECTING A COMPLIANCE FILING

(Issued December 9, 2016)

1. On April 22, 2016, the Commission issued an order denying rehearing of the Commission's acceptance of cost responsibility assignments for the Sewaren Project. Noting that the Commission had accepted a revision to the PJM Open Access Transmission Tariff (Tariff or OATT) to allocate 100 percent of the costs of projects that are included in the PJM Interconnection, L.L.C. (PJM) Regional Transmission Expansion Plan (RTEP) solely to address an individual transmission owner Form No. 715 local planning criteria to the zones of the individual transmission owners whose Form No. 715 local planning criteria underlies the project, the Commission also directed PJM to revise the cost responsibility assignments for the Sewaren Project to reflect the Tariff on file. ²

¹ Consolidated Edison Company of New York, Inc. v. PJM Interconnection, L.L.C., 155 FERC ¶ 61,088 (2016) (April 2016 Order). In addition, the Commission denied rehearing of a complaint by Consolidated Edison Company of New York, Inc. (Con Edison) and a separate cost allocation report proceeding (Docket Nos. EL15-18 and ER14-972, respectively).

² The PJM Tariff defines Required Transmission Enhancements as "[e]nhancements and expansions of the Transmission System that (1) a Regional Transmission Expansion Plan developed pursuant to Schedule 6 of the Operating Agreement..." PJM, Intra-PJM Tariffs, OATT, § 1.38C (R - S, OATT Definitions – R - S, 6.0.0).

PJM made a compliance filing (Compliance Filing), and sought clarification of the April 2016 Order. Public Service Electric and Gas Company (PSEG) filed a request for rehearing and protested the Compliance Filing.³

2. In this order, we deny rehearing, deny clarification and reject the Compliance Filing, as discussed in the body of this order.

I. Background

3. PJM, pursuant to section 205 of the Federal Power Act (FPA),⁴ files cost responsibility assignments for transmission upgrades that the PJM Board of Managers (PJM Board) approves as part of PJM's RTEP in accordance with Schedule 12 of the PJM Tariff and Schedule 6 of the Amended and Restated Operating Agreement of PJM (Operating Agreement).⁵ Schedule 6 of the Operating Agreement sets forth the process by which transmission expansions and enhancements (Required Transmission Enhancements) are identified and developed. The RTEP provides for the development of expansions and upgrades to PJM's transmission system in order to comply with reliability criteria, including North American Electric Reliability Corporation (NERC) Reliability Standards, Regional Entity reliability principles and standards, and local transmission owner planning criteria, as well as to maintain and enhance the economic and operational efficiency of PJM's wholesale electricity markets. Types of Reliability Projects⁶ selected

³ PSEG and PJM filed their requests in Docket Nos. ER14-972 and EL15-18. Docket Nos. ER14-972 and EL15-18 will be addressed separately.

⁴ 16 U.S.C. § 824e (2012).

⁵ In accordance with the Tariff and the Operating Agreement, PJM is required to make a filing with the Commission under section 205 of the FPA that includes, among other things, the: (1) expansion or enhancement projects the PJM Board approved for inclusion in the RTEP; (2) estimated costs of the projects; (3) entities responsible for paying the costs of the projects; and (4) the entity PJM has designated to develop the projects. *See* Operating Agreement, Schedule 6, § 1.6 (b) and PJM Tariff, Schedule 12, § (b)(viii).

⁶ Reliability Projects are defined as Required Transmission Enhancements included in the Regional Transmission Expansion Plan to address reliability violations or operational adequacy and performance issues. PJM, Intra-PJM Tariffs, OATT, Schedule 12, § (b)(i)(A)(2)(a) (Regional Facilities and Necessary Lower Voltage Facilities) (5.0.0).

in the RTEP for purposes of cost allocation include Regional Facilities, Necessary Lower Voltage Facilities, and Lower Voltage Facilities.

4. Schedule 12 of the Tariff provides for the assignment of cost responsibility for Required Transmission Enhancements. In its orders addressing the PJM Transmission Owners' proposed Tariff revisions to comply with the regional cost allocation requirements of Order No. 1000, ¹⁰ the Commission accepted a hybrid regional cost allocation method for Regional Facilities and Necessary Lower Voltage Facilities selected in the RTEP for purposes of cost allocation. ¹¹ As approved, one half of the costs of such facilities are allocated on a load-ratio share basis and one half of the costs are

⁷ Regional Facilities are defined as Required Transmission Enhancements included in the Regional Transmission Expansion Plan that are transmission facilities that (a) are AC facilities that operate at or above 500 kV; (b) are double-circuit AC facilities that operate at or above 345 kV; (c) are AC or DC shunt reactive resources connected to a facility from (a) or (b); or (d) are DC facilities that meet the necessary criteria as described in section (b)(i)(D). PJM, Intra-PJM Tariffs, OATT, Schedule 12, § (b)(i) (Regional Facilities and Necessary Lower Voltage Facilities) (6.1.0).

⁸ Necessary Lower Voltage Facilities are defined as Required Transmission Enhancements included in the Regional Transmission Expansion Plan that are lower voltage facilities that must be constructed or reinforced to support new Regional Facilities. PJM, Intra-PJM Tariffs, OATT, Schedule 12, § (b)(i).

⁹ Lower Voltage Facilities are defined as Required Transmission Enhancements that (a) are not Regional Facilities and (b) are not "Necessary Lower Voltage Facilities." PJM, Intra-PJM Tariffs, OATT, Schedule 12, § (b)(ii) (Lower Voltage Facilities) (6.1.0).

Transmission Planning and Cost Allocation by Transmission Owning and Operating Public Utilities, Order No. 1000, FERC Stats. & Regs. ¶ 31,323 (2011) (Order No. 1000), order on reh'g, Order No. 1000-A, 139 FERC ¶ 61,132, order on reh'g and clarification, Order No. 1000-B, 141 FERC ¶ 61,044 (2012), aff'd sub nom. S.C. Pub. Serv. Auth. v. FERC, 762 F.3d 41 (D.C. Cir. 2014).

¹¹ The Commission accepted the regional cost allocation method as part of PJM's Order No. 1000 compliance filings. *See, PJM Interconnection, L.L.C.*, 142 FERC ¶ 61,214 (2013), order on reh'g and compliance, 147 FERC ¶ 61,128 (2014), order on reh'g and compliance, 150 FERC ¶ 61,038, and order on reh'g and compliance, 151 FERC ¶ 61,250 (2015).

allocated based on a solution-based distribution factor analysis (DFAX). All of the costs of Lower Voltage Facilities are allocated using the solution-based DFAX method. These assignments of cost responsibility are included in Schedule 12-Appendix A of the Tariff. The Commission subsequently accepted a PJM Transmission Owner Tariff revision to allocate 100 percent of the costs for Required Transmission Enhancements that are included in the RTEP solely to address individual transmission owner Form No. 715 local planning criteria to the zone of the individual transmission owner whose Form No. 715 local planning criteria underlie the project. 14

II. March 2014 Filing

5. On March 13, 2014, as amended on July 7, 2014, PJM filed revisions to Schedule 12-Appendix A of the PJM Tariff (March 2014 Filing). The Tariff revisions incorporate cost responsibility assignments for 19 baseline upgrades included in the recent update to the RTEP that the PJM Board approved on February 12, 2014. PJM also amended the cost responsibility assignments for projects b2276, b2276.1, and b2276.2, ¹⁵ three baseline upgrades previously approved by the PJM Board and accepted by the Commission. ¹⁶ PJM stated that the Sewaren Project cost responsibility assignments were being amended as there was an error in the original modeling used in calculation of the DFAX analysis (i.e., the model used did not include the new bus number for the phase angle regulators located at the Farragut station in Brooklyn, New York).

¹² Schedule 12, section (b)(1)(A).

¹³ Cost responsibility assignments for RTEP upgrades approved prior to the Commission's acceptance of the PJM Transmission Owners' Order No. 1000-compliant cost allocation method are included in Schedule 12-Appendix of the Tariff.

 $^{^{14}}$ See PJM Interconnection, L.L.C., 154 FERC ¶ 61,096 (2016) (February 2016 Tariff Revision Order).

¹⁵ The RTEP projects listed are referred to as the Sewaren Project (i.e., b2276, b2276.1, and b2276.2). These Required Transmission Enhancements are described in Schedule 12, Appendix A of the PJM Tariff.

¹⁶ These cost responsibility assignments were originally filed in Docket No. ER-274-000. *See PJM Interconnection, L.L.C.*, Docket No. ER14-274-000 (Jan. 15, 2014) (delegated letter order).

- 6. On September 11, 2015, the Commission accepted the revised cost responsibility assignments for the Sewaren Project, to become effective on June 11, 2014.¹⁷ The Commission stated that the only revision regarding the Sewaren Project is to correct an error in the modeling used in the calculation of the DFAX analysis. The Commission found that PJM had shown that the modeling correction is consistent with its Tariff. Con Edison and Linden VFT, LLC, (Linden) have requested rehearing.
- 7. In the April 2016 Order, the Commission found that Con Edison and Linden presented no persuasive arguments and denied the requests for rehearing of the Sewaren Order. The Commission further found that the Sewaren Project was included in the RTEP solely to address PSEG's Form No. 715 local planning criteria. Because the Commission accepted revisions to Schedule 12 of the PJM Tariff that assign cost responsibility for projects that are included in the RTEP solely to address transmission owner Form No. 715 local planning criteria to the zone of the individual transmission owner whose Form No. 715 local planning criteria underlies the project, the Commission directed PJM to make a compliance filing to revise the Tariff sheets to reflect the cost responsibility assignments for the Sewaren Project, consistent with the current Tariff on file.²⁰

¹⁷ See PJM Interconnection, L.L.C., 152 FERC ¶ 61,187 (Sewaren Order) (accepting modeling revisions to the Sewaren Project cost allocation).

¹⁸ The Commission noted that the criteria test for the Sewaren Project is listed as PSEG criteria. April 2016 Order, 155 FERC ¶ 61,088 n.74. *See* Docket No. ER14-1485-000, March 13, 2014 PJM Filing, Attachment. A.

¹⁹ *PJM Interconnection, L.L.C.*, 154 FERC ¶ 61,096. Con Edison filed a motion to lodge, in this proceeding, the Commission order accepting these Tariff provisions. PSEG filed comments opposing Con Edison's motion. Because we accepted the Tariff revision to assign 100 percent of the cost responsibility of projects that are included in the RTEP solely to address transmission owner Form No. 715 local planning criteria to the zone of the individual transmission owner, Con Edison's request for rehearing of the June 18, 2015 Order denying the motion to lodge the proposed Tariff revisions is moot.

²⁰ See West Deptford Energy, LLC v. FERC, 766 F.3d 10 (D.C. Cir. 2014) (applying the rate on file, absent some type of grandfathering provision).

III. Pleadings

A. <u>PSEG Rehearing Request</u>

- 8. In seeking rehearing, PSEG argues that the April 2016 Order deprives it of a due process opportunity to be heard on a material issue of fact. Specifically, PSEG contends that the Sewaren Project addressed both aging infrastructure and short circuit issues, and that the pleadings in this proceeding provided the Commission with sufficient information to support its position. PSEG argues that while PJM identified PSEG criteria as the criteria test of the Sewaren Project, it would have protested the PSEG criteria designation had it known the significance of PJM's identification; specifically, the acceptance of Tariff revisions to Schedule 12 of the PJM Tariff in the February 2016 Tariff Revision Order that assigns 100 percent cost responsibility of projects that are included in the RTEP solely to address transmission owner Form No. 715 local planning criteria to the zone of the individual transmission owner whose Form No. 715 local planning criteria underlies the project.
- 9. PSEG further contends that the April 2016 Order engages in retroactive ratemaking by changing the cost allocation method for the Sewaren Project to undo the previously effective cost allocation. PSEG argues that changes to cost allocation should only apply prospectively because parties to whom the rate design changes apply cannot alter past decisions made in reliance on a rate design then in effect.²³
- 10. PSEG also contends that applying the new cost allocations to previously effective cost allocations for individual transmission owner Form No. 715 local planning criteria driven projects is not consistent with the Order No. 1000 requirement for the establishment of *ex ante* cost allocation rules to be applied to all transmission planning project categories. PSEG contends that the purpose of this requirement is to ensure that project developers and other stakeholders (e.g., state commissions, market participants, end-use customers) are well aware of and understand the cost impacts of projects being

²¹ PSEG Rehearing Request at 6.

²² Id. at 7 (referencing PJM April 14, 2016 Answer).

²³ *Id.* at 8-9 (citing *Occidental Chemical Corporation v. PJM Interconnection*, *L.L.C.*, 110 FERC \P 61,378, at P 10 (2005); *Consumers Energy Company*, 89 FERC \P 61,138, at 61,138 (1999); and *Union Electric Company*, 58 FERC \P 61,247 (1992) *Great Lakes Gas Transmission*, *L.P.*, 57 FERC \P 61,140, at 61,443 (1991); *Tennessee Gas Pipeline Company*, 46 FERC \P 61,113, at 61,443 (1989)).

proposed in the regional transmission planning process, and in turn increase the likelihood that transmission facilities selected in regional transmission plans for purposes of cost allocation are actually constructed, rather than later encountering cost allocation disputes that prevent their construction. PSEG argues that altering a project's effective cost allocation based on a subsequent revised method does not aid that objective, and that it will undermine the regional process, given the lack of confidence stakeholders will have in the resulting cost allocations discussed during the RTEP process.²⁴

11. Finally, PSEG argues that it would be consistent with precedent to apply the Tariff revisions to projects that are included in the RTEP solely to address individual transmission owner Form No. 715 local planning criteria that come after the effective date of the Tariff.²⁵

B. PJM Request for Clarification

- 12. PJM sought clarification of the April 2016 Order. Linden filed an answer to the request for clarification, and PSEG and Linden filed responsive pleadings. PSEG filed a request for rehearing of the April 2016 Order and protested the Compliance Filing. Con Edison also protested the Compliance Filing.
- 13. PJM seeks clarification of the effective date for revisions to the Tariff sheets for the Sewaren Project. Additionally, PJM states that compliance directives relative to the Tariff sheets to revise the cost responsibility assignments to be consistent with Form No. 715 were targeted to specific RTEP projects (i.e., the Sewaren project), and seeks clarification that it would update the cost allocation for such projects at the time of its annual RTEP updates.
- 14. Linden answers that the Commission directed PJM to revise the Tariff sheets so that the allocation of costs of the Sewaren Project would be consistent with Tariff on file, and did not require updating of the cost allocation through an annual update. Linden contends that no annual update is necessary. PSEG answers that the Tariff on file includes an annual rate adjustment mechanism, as this is the only approach contemplated or permitted by the Tariff. Linden argues that PSEG is incorrect in stating that the annual

²⁴ *Id.* at 9 (citing Order No. 1000, FERC Stats. & Regs. ¶ 31,323, *order on reh'g*, Order No. 1000-A, 139 FERC ¶ 61,132, *order on reh'g and clarification*, Order No. 1000-B, 141 FERC ¶ 61,044 (2012) , *aff'd sub nom. S.C. Pub. Serv. Auth.* v. *FERC*, 762 F.3d 41 (D.C. Cir. 2014)).

²⁵ *Id.* at 10 (citing *PJM Interconnection, L.L.C.*, 154 FERC ¶ 61,097 (2016)).

adjustment mechanism is the only approach contemplated or permitted by the Tariff, and that PSEG is essentially asking the Commission to invalidate the effective date of the Tariff to an annual update filing process.

C. Compliance Filing

- 15. In protesting the Compliance Filing, PSEG contends that PJM unnecessarily explains that 100 percent of the cost of the Sewaren Project is allocated to PSEG "because the sole purpose of the upgrade is to address Transmission Owner planning criteria." As previously noted, PSEG contends that the Sewaren Project addresses not only a PSEG criteria, but short circuit problems.
- 16. Con Edison protests the Compliance Filing because PJM did not propose an effective date, but rather requested clarification by the Commission. Con Edison contends that the Tariff revisions became effective on May 25, 2015.

IV. Determination

A. PSEG Request for Rehearing Relating to Criteria Test

17. We deny PSEG's request for rehearing. PSEG contends that the Sewaren Project addresses both aging infrastructure and short circuit issues, and that the pleadings in this proceeding provided the Commission with sufficient information to support its position. Specifically, seeking to retain the previously effective cost allocation, PSEG argues that the Sewaren Project also addressed short circuit issues on the 138 kV system.²⁷ In support, PSEG points to the PJM April 14, 2014 Answer that states that "[t]he solution for the short circuit issues would have required new 138 kV circuit breakers; however, in order to resolve the storm hardening and aging infrastructure issues, that solution required replacing the Sewaren 138 kV system with a 230 kV project, which eliminated the need for the 138 kV circuit breaker replacement project but resolved the underlying short circuit criteria violations."²⁸ PJM's answer further states that "the driver for the ultimate Sewaren Project was PSEG's FERC Form No. 715 aging infrastructure and storm hardening criteria, which obviated the need for and replaced a replaced 138 kV

²⁶ PJM Compliance Filing, Att. A (Cost Responsibility Summary Sheet).

²⁷ PSEG Rehearing Request at 6 (citing PJM Staff Whitepaper, October 2013 at 7).

²⁸ PJM April 14, 2016 Answer at 2 (footnote omitted).

short circuit project,"²⁹ and the Tariff sheets identify the criteria test for the Sewaren Project as "PSEG Criteria."

Schedule 12 provides that cost responsibility for any Required Transmission 18. Enhancements that are included in the Regional Transmission Expansion Plan, but which would not have otherwise been so included but for the fact that they address individual Transmission Owner FERC filed planning criteria as filed in FERC Form No. 715 are allocated to the zone of the individual transmission owner whose Form No. 715 local planning criteria underlie the project.³⁰ However, as indicated in the PJM statements identified by PSEG, the reason for developing the Sewaren Project was PSEG's Form No. 715 local planning criteria related to storm hardening and aging infrastructure. PSEG's reference to the PJM Staff Whitepaper, while identifying short circuit concerns on the 138 kV system, does not contradict PJM's statements regarding the criteria test for the Sewaren Project. In this case, PJM found the single driver for the Sewaren Project was PSEG's Form No. 715 local planning criteria, aging infrastructure and storm hardening.³¹ Based upon PJM's analysis of the Sewaren Project, we affirm our finding that the Sewaren Project was included in the RTEP solely to address PSEG's Form No. 715 local planning criteria.

B. Request for Rehearing and Clarification Relating to the Effective Tariff Applicable to the Sewaren Project

19. PSEG contends that applying the new cost allocation method to previously effective cost responsibility assignments constitutes retroactive ratemaking as applied to a project that was planned prior to the effective date of the Tariff change, May 25, 2015. In denying rehearing of the February 2016 Tariff Revision Order, the Commission previously responded to these arguments, finding that notwithstanding the date on which a project may have been planned or approved by PJM, Schedule 12 (b)(xv) is not retroactive, as it applies prospectively to all costs allocated after its effective date. ³² In

³⁰ See February 2016 Tariff Revision Order.

²⁹ *Id.* at 2-3.

³¹ PJM has identified multiple drivers when it finds the project is not included in the RTEP solely to address local transmission owner planning criteria as filed in FERC Form No. 715. *See*, *e.g.*, Linden June 27, 2016 Compliance Filing Answer at 5, (noting that PJM lists additional criteria test for project b2006.1.1).

³² *PJM Interconnection, LLC*, 157 FERC ¶ 61,192 (2016).

that order, the Commission also addressed PSEG's argument that applying the new cost allocations to previously effective cost allocations for individual transmission owner Form No. 715 local planning criteria projects is not consistent with the Order No. 1000 requirement for the establishment of *ex ante* cost allocation rules, and for the same reasons, we deny the rehearing request in this docket.

20. PJM seeks clarification that it would update the cost allocation for other projects included in RTEP as a result of individual transmission owner Form No. 715 local planning criteria at the same time as it makes its annual RTEP updates. We deny the request for clarification and require PJM to update the cost allocation for these projects as of May 25, 2015 in accordance with its Tariff. In addressing PJM's earlier request for clarification of the February 2016 Tariff Revision Order, 33 the Commission stated that PJM must apply the Tariff on file to all charges imposed from the date the Tariff provision became effective, which was May 25, 2015. As the Commission found, the Tariff provision itself provides that the cost allocations for prospective costs is not governed by the date of the annual cost update and will apply "notwithstanding" those provisions. 34

C. Compliance Filing

21. In the Compliance Filing, PJM submits the revised Tariff sheets for the Sewaren Project, reassigning 100 percent of the cost responsibility for the project to the PSEG zone. PJM requests an effective date as determined by the Commission upon acceptance of this Compliance Filing. As discussed above, the effective date of the Tariff revisions is May 25, 2015. The Tariff records filed in the Compliance Filing do not reflect the correct effective date applicable to cost allocations for the Sewaren Project. In providing clarification of the February 2016 Tariff Revision Order, we have required PJM to make a compliance filing to revise its Tariff records to reflect the May 25, 2015 effective date

³³ PJM Interconnection, L.L.C., 157 FERC ¶ 61,192 (2016).

³⁴ Schedule 12(b)(xv) provides: "notwithstanding Sections (b)(i), (b)(ii), (b)(iv) and (b)(v) [provisions requiring annual updates], cost responsibility for any Required Transmission Enhancements that are included in the Regional Transmission Expansion Plan, but which would not have otherwise been so included but for the fact that they address individual Transmission Owner FERC filed planning criteria as filed in FERC Form No. 715 and posted on the PJM website, shall be assigned to the Responsible Customers in the Zone of the Transmission Owner that filed such planning criteria." (emphasis added). Schedule 12, OATT Schedule 12 (7.0.0), http://etariff.ferc.gov/TariffSectionDetails.aspx?tid=1731&sid=176905.

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for projects to address an individual transmission owner Form No. 715 local planning criteria, including the Tariff records relating to Sewaren Project. We therefore reject the Tariff record filed in the Compliance Filing, and Con Edison's protest is moot.

22. PSEG contends that the Compliance Filing transmittal letter incorrectly states "The cost for this upgrade is allocated 100 percent to PSEG because the sole purpose of the upgrade is to address FERC Form No. 715 Transmission Owner planning criteria." The transmittal letter is not part of the Tariff, which correctly allocates the costs pursuant to (b)(xv) of Schedule 12, and therefore no change is necessary. Moreover, the transmittal correctly indicates that the criteria test for the Sewaren Project is PSEG's Form No. 715 local planning criteria.

The Commission orders:

- (A) We deny the PSEG request for rehearing, as discussed in the body of this order.
 - (B) We deny the PJM clarification, as discussed in the body of this order.
 - (C) PJM's Compliance Filing is rejected, as discussed in the body of this order.

By the Commission.

(SEAL)

Kimberly D. Bose, Secretary.

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