

PJM Interconnection, L.L.C. 2750 Monroe Blvd. Audubon, PA 19403

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August 1, 2019

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

Re: PJM Interconnection, L.L.C., Docket No. ER19-2517-000 Historical Clean-up Filing – Schedule 12 – Appendix A

Dear Secretary Bose:

PJM Interconnection, L.L.C. ("PJM") hereby submits for filing revisions to Schedule 12 – Appendix A of the PJM Open Access Transmission Tariff ("PJM Tariff") ("Schedule 12–Appendix A) to incorporate revisions previously accepted by the Commission, but were inadvertently omitted from Schedule 12–Appendix A. Without this clean-up filing Schedule 12-Appendix A will not correctly reflect such revisions from January 1, 2018 forward.

I. REVISIONS TO SCHEDULE 12–APPENDIX A (JERSEY CENTRAL POWER AND LIGHT COMPANY ("JCPL") AND MID-ATLANTIC INTERSTATE TRANSMISSION, LLC FOR THE METROPOLITAN EDISON COMPANY ("METED") TO HISTORICALLY REFLECT PROJECT NOS. b2809 AND b2814

On January 18, 2018¹, the Commission accepted PJM's revisions to incorporate cost responsibility assignments for new baseline upgrades included in the Regional Transmission Expansion Plan ("RTEP") approved by the PJM Board of Managers ("PJM Board") on February 15, 2017 submitted on March 17, 2017². In the January 18 Order, the Commission ordered the March 17 Filing effective June 15, 2017. Specifically, PJM intends to reflect

¹ *PJM Interconnection, L.L.C.*, Order on Cost Allocation Report and Tariff Revisions and Denying Request for Rehearing, 162 FERC ¶ 61,046 (Jan. 18, 2018) ("January 18 Order").

² PJM Interconnection, L.L.C., Docket No. ER17-1236-000 (Mar. 17, 2017) ("March 17 Filing").

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baseline upgrades b2809 in Schedule 12-Appendix A (JCPL) and b2817 in Schedule 12-

Appendix A (MetEd).

PJM submits this filing to ensure that as of January 1, 2018 forward, the PJM Tariff,

Schedules 12-Appendix A (JCPL) and (MetEd), reflect these two baseline upgrades accepted in

the January 18 Order. Please note that the clean versions of the tariff records being submitted do

not make any substantive modifications to the PJM Tariff.

II. PROPOSED MINISTERIAL REVISIONS

With the foregoing in mind, PJM submits this ministerial filing to ensure that

Schedule 12–Appendix A (JCPL) and (MetEd) are historically correct and reflect the appropriate

Commission-accepted baseline upgrades as noted above consistent with prior Commission

orders.

III. WAIVER AND EFFECTIVE DATE

PJM requests the effective dates remain consistent with the effective dates requested and

accepted by the Commission in the respective dockets filed subsequent to the March 17 Filing.

To permit such effective dates, PJM requests a waiver of the 60-days' notice requirement in

section 35.3(a)(1) of the Commission's regulations.³ Good cause exists for such waiver because

the amendments filed herein incorporate language previously accepted by the Commission, as

well as ministerial changes, with the effective date previously established by the Commission,

thereby ensuring that the current effective versions of the PJM Tariff found in the Commission's

files and eTariff system, and posted by PJM, conform to and fully reflect the Commission's prior

orders.

³ 18 C.F.R. § 35.3(a)(1) (2018).

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IV. DOCUMENTS ENCLOSED

- 1. Transmittal Letter
- 2. Attachment A Clean Versions- Schedule 12 Appendix A (JCPL) and (MetEd); and
- 3. Attachment B Redline changes accepted by the Commission in Docket No. ER17-1236-000 ⁴

V. COMMUNICATIONS

The following individuals are designated for receipt of any communications regarding this filing:

Craig Glazer

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VI. 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,⁵ 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

⁴ *PJM Interconnection, L.L.C.*, Letter Order, Docket No. ER17-1236-000 (June 1, 2017).

⁵ 18 C.F.R §§ 35.2(e) and 385.2010(f)(3) (2018).

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commissions in the PJM Region⁶ alerting them that 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 24 hours of the filing. Also, a copy of this filing will be available on the FERC'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.

Craig Glazer

Vice President – Federal Government Policy

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By:

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On behalf of PJM Interconnection, L.L.C.

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⁶ PJM already maintains, updates and regularly uses e-mail lists for all PJM Members and affected state commissions.

ATTACHMENT A

Schedules 12 – Appendix A (JCPL) and (MetEd)

(Clean Format)

Effective Date: January 1, 2018

SCHEDULE 12 – APPENDIX A

(4) Jersey Central Power & Light Company

Required Tra	insmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2234	260 MVAR reactor at West Wharton 230 kV		JCPL (100%)
b2270	Advance Raritan River - Replace G1047E breaker at the 230kV Substation		JCPL (100%)
b2271	Advance Raritan River - Replace G1047F breaker at the 230kV Substation		JCPL (100%)
b2272	Advance Raritan River - Replace T1034E breaker at the 230kV Substation		JCPL (100%)
b2273	Advance Raritan River - Replace T1034F breaker at the 230kV Substation		JCPL (100%)
b2274	Advance Raritan River - Replace I1023E breaker at the 230kV Substation		JCPL (100%)
b2275	Advance Raritan River - Replace I1023F breaker at the 230kV Substation		JCPL (100%)
b2289	Freneau Substation - upgrade 2.5 inch pipe to bundled 1590 ACSR conductor at the K1025 230 kV Line Terminal		JCPL (100%)
b2292	Replace the Whippany 230 kV breaker B1 (CAP) with 63kA breaker		JCPL (100%)
b2357	Replace the East Windsor 230 kV breaker 'E1' with 63kA breaker		JCPL (100%)

Required 11a	insmission Ennancements An	nuai Revenue Requirement	Responsible Customer(s)
	Replace transformer		
b2495	leads on the Glen		JCPL (100%)
	Gardner 230/34.5 kV #1		
-	transformer		
	Replace Franklin		
b2496	115/34.5 kV transformer		JCPL (100%)
	#2 with 90 MVA		
	transformer		
	Reconductor 0.9 miles of		
1.2.407	the Captive Plastics to		ICDI (1000/)
b2497	Morris Park 34.5 kV		JCPL (100%)
	circuit (397ACSR) with		
	556 ACSR		
	Extend 5.8 miles of 34.5		
	kV circuit from North		
1.2.400	Branch substation to		1GD1 (1000()
b2498	Lebanon substation with		JCPL (100%)
	397 ACSR and install		
	34.5 kV breaker at		
	Lebanon substation		
	Upgrade terminal		
	equipment at Monroe on		
b2500	the Englishtown to		JCPL (100%)
	Monroe (H34) 34.5 kV		
	circuit		
	Upgrade limiting		
b2570	terminal facilities at		JCPL (100%)
020,0	Feneau, Parlin, and		(10070)
	Williams substations		
	Upgrade the limiting		
b2571	terminal facilities at both		JCPL (100%)
	Jackson and North		3C1 E (10070)
	Hanover		
	Upgrade the V74 34.5 kV		
b2586	transmission line		JCPL (100%)
02300	between Allenhurst and		JOI L (10070)
	Elberon Substations		

Required Tra	nsmission Enhancements	Annual Revenue Requirement	nt Responsible Customer(s)
b2633.6	Implement high speed relaying utilizing OPGW on Deans – East Windsor 500 kV		Load-Ratio Share Allocation: AEC (1.66%) / AEP (14.16%) / APS (5.73%) / ATSI (7.88%) / BGE (4.22%) / ComEd (13.31%) / Dayton (2.11%) / DEOK (3.29%) / DL (1.75%) / DPL (2.50%) / Dominion (12.86%) / EKPC (1.87%) / JCPL (3.74%) / ME (1.90%) / NEPTUNE* (0.44%) / PECO (5.34%) / PENELEC (1.89%) / PEPCO (3.99%) / PPL (4.84%) / PSEG (6.26%) / RE (0.26%) DFAX Allocation: AEC (0.01%) / DPL
b2633.6.1	Implement high speed relaying utilizing OPGW on East Windsor - New Freedom 500 kV		(99.98%) / JCPL (0.01%) Load-Ratio Share Allocation: AEC (1.66%) / AEP (14.16%) / APS (5.73%) / ATSI (7.88%) / BGE (4.22%) / ComEd (13.31%) / Dayton (2.11%) / DEOK (3.29%) / DL (1.75%) / DPL (2.50%) / Dominion (12.86%) / EKPC (1.87%) / JCPL (3.74%) / ME (1.90%) / NEPTUNE* (0.44%) / PECO (5.34%) / PENELEC (1.89%) / PEPCO (3.99%) / PPL (4.84%) / PSEG (6.26%) / RE (0.26%) DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)

required 11d	Histilission Emianeements An	muai Revenue Requirement	responsible Cusionici(s)
b2676	Install one (1) 72 MVAR fast switched capacitor at the Englishtown 230 kV substation		JCPL (100%)
b2708	Replace the Oceanview 230/34.5 kV transformer #1		JCPL (100%)
b2709	Replace the Deep Run 230/34.5 kV transformer #1		JCPL (100%)
b2754.2	Install 5 miles of optical ground wire (OPGW) between Gilbert and Springfield 230 kV substations		JCPL (100%)
b2754.3	Install 7 miles of all- dielectric self-supporting (ADSS) fiber optic cable between Morris Park and Northwood 230 kV substations		JCPL (100%)
b2754.6	Upgrade relaying at Morris Park 230 kV		JCPL (100%)
b2754.7	Upgrade relaying at Gilbert 230 kV		JCPL (100%)
b2809	Install a bypass switch at Mount Pleasant 34.5 kV substation to allow the Mount Pleasant substation load to be removed from the N14 line and transfer to O769 line		JCPL (100%)

Effective Date: January 1, 2019

SCHEDULE 12 – APPENDIX A

(4) Jersey Central Power & Light Company

Required Tra	insmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2234	260 MVAR reactor at West Wharton 230 kV		JCPL (100%)
b2270	Advance Raritan River - Replace G1047E breaker at the 230kV Substation		JCPL (100%)
b2271	Advance Raritan River - Replace G1047F breaker at the 230kV Substation		JCPL (100%)
b2272	Advance Raritan River - Replace T1034E breaker at the 230kV Substation		JCPL (100%)
b2273	Advance Raritan River - Replace T1034F breaker at the 230kV Substation		JCPL (100%)
b2274	Advance Raritan River - Replace I1023E breaker at the 230kV Substation		JCPL (100%)
b2275	Advance Raritan River - Replace I1023F breaker at the 230kV Substation		JCPL (100%)
b2289	Freneau Substation - upgrade 2.5 inch pipe to bundled 1590 ACSR conductor at the K1025 230 kV Line Terminal		JCPL (100%)
b2292	Replace the Whippany 230 kV breaker B1 (CAP) with 63kA breaker		JCPL (100%)
b2357	Replace the East Windsor 230 kV breaker 'E1' with 63kA breaker		JCPL (100%)

Required 112	ansmission Ennancements An	inuai Revenue Requirement	Responsible Customer(s)
	Replace transformer leads on the Glen		
b2495	Gardner 230/34.5 kV #1		JCPL (100%)
	transformer		
	Replace Franklin		
	115/34.5 kV transformer		
b2496	#2 with 90 MVA		JCPL (100%)
	transformer		
	Reconductor 0.9 miles of		
	the Captive Plastics to		
b2497	Morris Park 34.5 kV		JCPL (100%)
02477	circuit (397ACSR) with		JCI L (10070)
	556 ACSR		
	Extend 5.8 miles of 34.5		
	kV circuit from North		
	Branch substation to		
b2498	Lebanon substation with		JCPL (100%)
	397 ACSR and install		((((((((((((((((((((
	34.5 kV breaker at		
	Lebanon substation		
	Upgrade terminal		
	equipment at Monroe on		
b2500	the Englishtown to		JCPL (100%)
	Monroe (H34) 34.5 kV		
	circuit		
	Upgrade limiting		
b2570	terminal facilities at		JCPL (100%)
02370	Feneau, Parlin, and		JCI L (10070)
	Williams substations		
	Upgrade the limiting		
b2571	terminal facilities at both		JCPL (100%)
	Jackson and North		(10070)
	Hanover		
	Upgrade the V74 34.5 kV		
b2586	transmission line		JCPL (100%)
02000	between Allenhurst and		
	Elberon Substations		

Required Tra	nsmission Enhancements	Annual Revenue Requirement Responsible Customer(s)	
		Load-Ratio Share Allocation:	
		AEC (1.61%) / AEP (14.10%) /	
		APS (5.79%) / ATSI (7.95%) /	
		BGE (4.11%) / ComEd (13.24%)	
		/ Dayton (2.07%) / DEOK	
		(3.22%) / DL (1.73%) / DPL	
	Implement high speed	(2.48%) / Dominion (13.17%) /	
	relaying utilizing OPGW	EKPC (2.13%) / JCPL (3.71%) /	
b2633.6	on Deans – East Windsor	ME (1.88%) / NEPTUNE*	
	500 kV	(0.42%) / PECO (5.34%) /	
	300 K V	PENELEC (1.86%) / PEPCO	
		(3.98%) / PPL (4.76%) / PSEG	
		(3.98%) / PPL (4.76%) / PSEG (6.19%) / RE (0.26%)	
		DFAX Allocation:	
		AEC (0.01%) / DPL (99.98%) /	
		JCPL (0.01%)	
		Load-Ratio Share Allocation:	
		AEC (1.61%) / AEP (14.10%) /	
		APS (5.79%) / ATSI (7.95%) /	
		BGE (4.11%) / ComEd (13.24%)	
		/ Dayton (2.07%) / DEOK	
		(3.22%) / DL (1.73%) / DPL	
	Implement high speed	(2.48%) / Dominion (13.17%) /	
b2633.6.1	relaying utilizing OPGW	EKPC (2.13%) / JCPL (3.71%) /	
02033.0.1	on East Windsor - New	ME (1.88%) / NEPTUNE*	
	Freedom 500 kV	(0.42%) / PECO (5.34%) /	
		PENELEC (1.86%) / PEPCO	
		(3.98%) / PPL (4.76%) / PSEG	
		(6.19%) / RE (0.26%)	
		DFAX Allocation:	
		AEC (0.01%) / DPL (99.98%) /	
		JCPL (0.01%)	

recquired Tra	HISTHISSION ETHIANCEMENTS AN	muai Revenue Requirement	Responsible Cusionici(s)
b2676	Install one (1) 72 MVAR fast switched capacitor at the Englishtown 230 kV substation		JCPL (100%)
b2708	Replace the Oceanview 230/34.5 kV transformer #1		JCPL (100%)
b2709	Replace the Deep Run 230/34.5 kV transformer #1		JCPL (100%)
b2754.2	Install 5 miles of optical ground wire (OPGW) between Gilbert and Springfield 230 kV substations		JCPL (100%)
b2754.3	Install 7 miles of all- dielectric self-supporting (ADSS) fiber optic cable between Morris Park and Northwood 230 kV substations		JCPL (100%)
b2754.6	Upgrade relaying at Morris Park 230 kV		JCPL (100%)
b2754.7	Upgrade relaying at Gilbert 230 kV		JCPL (100%)
b2809	Install a bypass switch at Mount Pleasant 34.5 kV substation to allow the Mount Pleasant substation load to be removed from the N14 line and transfer to O769 line		JCPL (100%)

Version 12.2.0

Effective Date: January 31, 2019

SCHEDULE 12 – APPENDIX A

(4) Jersey Central Power & Light Company

Required Tra	insmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2234	260 MVAR reactor at West Wharton 230 kV		JCPL (100%)
b2270	Advance Raritan River - Replace G1047E breaker at the 230kV Substation		JCPL (100%)
b2271	Advance Raritan River - Replace G1047F breaker at the 230kV Substation		JCPL (100%)
b2272	Advance Raritan River - Replace T1034E breaker at the 230kV Substation		JCPL (100%)
b2273	Advance Raritan River - Replace T1034F breaker at the 230kV Substation		JCPL (100%)
b2274	Advance Raritan River - Replace I1023E breaker at the 230kV Substation		JCPL (100%)
b2275	Advance Raritan River - Replace I1023F breaker at the 230kV Substation		JCPL (100%)
b2289	Freneau Substation - upgrade 2.5 inch pipe to bundled 1590 ACSR conductor at the K1025 230 kV Line Terminal		JCPL (100%)
b2292	Replace the Whippany 230 kV breaker B1 (CAP) with 63kA breaker		JCPL (100%)
b2357	Replace the East Windsor 230 kV breaker 'E1' with 63kA breaker		JCPL (100%)

Required 112	ansmission Ennancements An	inuai Revenue Requirement	Responsible Customer(s)
	Replace transformer leads on the Glen		
b2495	Gardner 230/34.5 kV #1		JCPL (100%)
	transformer		
	Replace Franklin		
	115/34.5 kV transformer		
b2496	#2 with 90 MVA		JCPL (100%)
	transformer		
	Reconductor 0.9 miles of		
	the Captive Plastics to		
b2497	Morris Park 34.5 kV		JCPL (100%)
02477	circuit (397ACSR) with		JCI L (10070)
	556 ACSR		
	Extend 5.8 miles of 34.5		
	kV circuit from North		
	Branch substation to		
b2498	Lebanon substation with		JCPL (100%)
	397 ACSR and install		((((((((((((((((((((
	34.5 kV breaker at		
	Lebanon substation		
	Upgrade terminal		
	equipment at Monroe on		
b2500	the Englishtown to		JCPL (100%)
	Monroe (H34) 34.5 kV		
	circuit		
	Upgrade limiting		
b2570	terminal facilities at		JCPL (100%)
02370	Feneau, Parlin, and		JCI L (10070)
	Williams substations		
	Upgrade the limiting		
b2571	terminal facilities at both		JCPL (100%)
	Jackson and North		(10070)
	Hanover		
	Upgrade the V74 34.5 kV		
b2586	transmission line		JCPL (100%)
02000	between Allenhurst and		
	Elberon Substations		

Required Tra	nsmission Enhancements	Annual Revenue Requirement Responsible Customer(s)
b2633.6	Implement high speed relaying utilizing OPGW on Deans – East Windsor 500 kV	Load-Ratio Share Allocation: AEC (1.61%) / AEP (14.10%) / APS (5.79%) / ATSI (7.95%) / BGE (4.11%) / ComEd (13.24%)
b2633.6.1	Implement high speed relaying utilizing OPGW on East Windsor - New Freedom 500 kV	DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%) Load-Ratio Share Allocation: AEC (1.61%) / AEP (14.10%) / APS (5.79%) / ATSI (7.95%) / BGE (4.11%) / ComEd (13.24%)
		(3.98%) / PPL (4.76%) / PSEG (6.19%) / RE (0.26%) DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)

required 11a	HISHIISSIOH EHHANCEHIERIS AN	inuai Revenue Requirement	Responsible Customer(s)
b2676	Install one (1) 72 MVAR fast switched capacitor at the Englishtown 230 kV substation		JCPL (100%)
b2708	Replace the Oceanview 230/34.5 kV transformer #1		JCPL (100%)
b2709	Replace the Deep Run 230/34.5 kV transformer #1		JCPL (100%)
b2754.2	Install 5 miles of optical ground wire (OPGW) between Gilbert and Springfield 230 kV substations		JCPL (100%)
b2754.3	Install 7 miles of all- dielectric self-supporting (ADSS) fiber optic cable between Morris Park and Northwood 230 kV substations		JCPL (100%)
b2754.6	Upgrade relaying at Morris Park 230 kV		JCPL (100%)
b2754.7	Upgrade relaying at Gilbert 230 kV		JCPL (100%)
b2809	Install a bypass switch at Mount Pleasant 34.5 kV substation to allow the Mount Pleasant substation load to be removed from the N14 line and transfer to O769 line		JCPL (100%)
b3023	Replace West Wharton 115 kV breakers 'G943A' and 'G943B' with 40kA breakers		JCPL (100%)

Effective Date: April 4, 2019

SCHEDULE 12 – APPENDIX A

(4) Jersey Central Power & Light Company

Required Tra	insmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2234	260 MVAR reactor at West Wharton 230 kV		JCPL (100%)
b2270	Advance Raritan River - Replace G1047E breaker at the 230kV Substation		JCPL (100%)
b2271	Advance Raritan River - Replace G1047F breaker at the 230kV Substation		JCPL (100%)
b2272	Advance Raritan River - Replace T1034E breaker at the 230kV Substation		JCPL (100%)
b2273	Advance Raritan River - Replace T1034F breaker at the 230kV Substation		JCPL (100%)
b2274	Advance Raritan River - Replace I1023E breaker at the 230kV Substation		JCPL (100%)
b2275	Advance Raritan River - Replace I1023F breaker at the 230kV Substation		JCPL (100%)
b2289	Freneau Substation - upgrade 2.5 inch pipe to bundled 1590 ACSR conductor at the K1025 230 kV Line Terminal		JCPL (100%)
b2292	Replace the Whippany 230 kV breaker B1 (CAP) with 63kA breaker		JCPL (100%)
b2357	Replace the East Windsor 230 kV breaker 'E1' with 63kA breaker		JCPL (100%)

Required 112	ansmission Ennancements An	inuai Revenue Requirement	Responsible Customer(s)
	Replace transformer leads on the Glen		
b2495	Gardner 230/34.5 kV #1		JCPL (100%)
	transformer		
	Replace Franklin		
	115/34.5 kV transformer		
b2496	#2 with 90 MVA		JCPL (100%)
	transformer		
	Reconductor 0.9 miles of		
	the Captive Plastics to		
b2497	Morris Park 34.5 kV		JCPL (100%)
02477	circuit (397ACSR) with		JCI L (10070)
	556 ACSR		
	Extend 5.8 miles of 34.5		
	kV circuit from North		
	Branch substation to		
b2498	Lebanon substation with		JCPL (100%)
	397 ACSR and install		((((((((((((((((((((
	34.5 kV breaker at		
	Lebanon substation		
	Upgrade terminal		
	equipment at Monroe on		
b2500	the Englishtown to		JCPL (100%)
	Monroe (H34) 34.5 kV		
	circuit		
	Upgrade limiting		
b2570	terminal facilities at		JCPL (100%)
02370	Feneau, Parlin, and		JCI L (10070)
	Williams substations		
	Upgrade the limiting		
b2571	terminal facilities at both		JCPL (100%)
	Jackson and North		(10070)
	Hanover		
	Upgrade the V74 34.5 kV		
b2586	transmission line		JCPL (100%)
02000	between Allenhurst and		
	Elberon Substations		

Required Tra	nsmission Enhancements	Annual Revenue Requirement Responsible Customer(s)
b2633.6	Implement high speed relaying utilizing OPGW on Deans – East Windsor 500 kV	Load-Ratio Share Allocation: AEC (1.61%) / AEP (14.10%) / APS (5.79%) / ATSI (7.95%) / BGE (4.11%) / ComEd (13.24%)
b2633.6.1	Implement high speed relaying utilizing OPGW on East Windsor - New Freedom 500 kV	DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%) Load-Ratio Share Allocation: AEC (1.61%) / AEP (14.10%) / APS (5.79%) / ATSI (7.95%) / BGE (4.11%) / ComEd (13.24%)
		(3.98%) / PPL (4.76%) / PSEG (6.19%) / RE (0.26%) DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)

Required Tra	nsmission Enhancements An	nual Revenue Requirement	Responsible Customer(s)
	Install one (1) 72 MVAR		
b2676	fast switched capacitor at		ICDI (1000/)
	the Englishtown 230 kV		JCPL (100%)
	substation		
	Replace the Oceanview		
b2708	230/34.5 kV transformer		JCPL (100%)
	#1		,
	Replace the Deep Run		
b2709	230/34.5 kV transformer		JCPL (100%)
	#1		
	Install 5 miles of optical		
	ground wire (OPGW)		
b2754.2	between Gilbert and		JCPL (100%)
	Springfield 230 kV		, ,
	substations		
	Install 7 miles of all-		
	dielectric self-supporting		
b2754.3	(ADSS) fiber optic cable		ICDI (1000/)
02/34.3	between Morris Park and		JCPL (100%)
	Northwood 230 kV		
	substations		
b2754.6	Upgrade relaying at		JCPL (100%)
02734.0	Morris Park 230 kV		JCI L (10070)
b2754.7	Upgrade relaying at		JCPL (100%)
02731.7	Gilbert 230 kV		301 E (10070)
	Install a bypass switch at		
	Mount Pleasant 34.5 kV		
	substation to allow the		
b2809	Mount Pleasant		JCPL (100%)
02009	substation load to be		301 E (10070)
	removed from the N14		
	line and transfer to O769		
	line		
b3023	Replace West Wharton		
	115 kV breakers		JCPL (100%)
	'G943A' and 'G943B'		0012 (10070)
	with 40kA breakers		
	Replace substation		
	conductor at Raritan		
b3042	River 230 kV substation		JCPL (100%)
	on the Kilmer line		
	terminal		

Effective Date: January 1, 2018

SCHEDULE 12 – APPENDIX A

(5) Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone

Annual Revenue Requirement Responsible Customer(s) Required Transmission Enhancements **Load-Ratio Share Allocation:** AEC (1.66%) / AEP (14.16%) / APS (5.73%) / ATSI (7.88%) / BGE (4.22%) / ComEd (13.31%) / Dayton (2.11%) / DEOK (3.29%) / DL (1.75%) / DPL Loop the 2026 (TMI – (2.50%) / Dominion (12.86%) / Hosensack 500 kV) line b2006.1.1 EKPC (1.87%) / JCPL (3.74%) / ME (1.90%) / NEPTUNE* in to the Lauschtown (0.44%) / PECO (5.34%) / PENELEC (1.89%) / PEPCO (3.99%) / PPL (4.84%) / PSEG (6.26%) / RE (0.26%) **DFAX Allocation:** PPL (100%) Upgrade relay at South Reading on the 1072 230 b2006.2.1 ME (100%) V line Replace the South Reading 69 kV '81342' b2006.4 ME (100%) breaker with 40kA breaker Replace the South Reading 69 kV '82842' b2006.5 ME (100%) breaker with 40kA breaker APS (8.30%) / BGE (14.70%) / Install 2nd Hunterstown DEOK (0.48%) / Dominion b2452 (36.92%) / ME (23.85%) / 230/115 kV transformer PEPCO (15.75%)

Effective Date: January 1, 2018

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) APS (8.30%) / BGE (14.70%) Reconductor / DEOK (0.48%) / Dominion b2452.1 Hunterstown - Oxford (36.92%) / ME (23.85%) / 115 kV line PEPCO (15.75%) Replace the Hunterstown 115 kV breaker '96192' b2452.3 ME (100%) with 40 kA Install a 36.6 MVAR 115 ME (100%) b2588 kV capacitor at North Bangor substation Convert Middletown Junction 230 kV substation to nine bay ME (100%) b2637 double breaker configuration. Install a 28.8 MVAR b2644 115 kV capacitor at the ME (100%) Mountain substation AEP (12.91%) / APS (19.04%)/ ATSI (1.24%)/ Lincoln Substation: ComEd (0.35%) / Dayton Upgrade the bus (1.45%) / DEOK (2.30%) / DL b2688.1 conductor and replace (1.11%)/ Dominion (44.85%)/ CTs. EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%) Germantown Substation: Replace 138/115 kV AEP (12.91%) / APS transformer with a (19.04%)/ ATSI (1.24%)/ 135/180/224 MVA bank. ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL b2688.2 Replace Lincoln 115 kV breaker, install new 138 (1.11%)/ Dominion (44.85%)/ EKPC (0.78%)/ PEPCO kV breaker, upgrade bus conductor and (15.85%) / RECO (0.12%) adjust/replace CTs.

Effective Date: January 1, 2018

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) Upgrade terminal AEP (6.46%) / APS (8.74%) / BGE (19.74%) / ComEd equipment at Hunterstown 500 kV on (2.16%) / Dayton (0.59%) / b2743.4 the Conemaugh -DEOK (1.02%) / DL (0.01%) / Hunterstown 500 kV Dominion (39.95%) / EKPC circuit (0.45%) / PEPCO (20.88%) AEP (6.46%) / APS (8.74%) / Upgrade terminal equipment and required BGE (19.74%) / ComEd relay communication at (2.16%) / Dayton (0.59%) / b2752.4 TMI 500 kV: on the DEOK (1.02%) / DL (0.01%) / Beach Bottom - TMI Dominion (39.95%) / EKPC (0.45%) / PEPCO (20.88%) 500 kV circuit Replace relay at West Boyertown 69 kV station b2749 on the West Boyertown – ME (100%) North Boyertown 69 kV circuit Upgrade bus conductor at Gardners 115 kv substation; Upgrade bus b2765 ME (100%) conductor and adjust CT ratios at Carlisle Pike 115 kV Install a 3rd 230/69 kV 224 MVA Transformer at Lyons and install new b2814 ME (100%) terminal equipment for existing Lyons - East

Penn(865) 69 kV Line

Effective Date: April 5, 2018

SCHEDULE 12 – APPENDIX A

(5) Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone

Annual Revenue Requirement Responsible Customer(s) Required Transmission Enhancements **Load-Ratio Share Allocation:** AEC (1.66%) / AEP (14.16%) / APS (5.73%) / ATSI (7.88%) / BGE (4.22%) / ComEd (13.31%) / Dayton (2.11%) / DEOK (3.29%) / DL (1.75%) / DPL (2.50%) / Dominion (12.86%) / Loop the 2026 (TMI – EKPC (1.87%) / JCPL (3.74%) / b2006.1.1 Hosensack 500 kV) line ME (1.90%) / NEPTUNE* in to the Lauschtown (0.44%) / PECO (5.34%) / PENELEC (1.89%) / PEPCO (3.99%) / PPL (4.84%) / PSEG (6.26%) / RE (0.26%) **DFAX Allocation:** PPL (100%) Upgrade relay at South Reading on the 1072 230 b2006.2.1 ME (100%) V line Replace the South Reading 69 kV '81342' b2006.4 ME (100%) breaker with 40kA breaker Replace the South Reading 69 kV '82842' b2006.5 ME (100%) breaker with 40kA breaker APS (8.30%) / BGE (14.70%) / Install 2nd Hunterstown DEOK (0.48%) / Dominion b2452 230/115 kV transformer (36.92%) / ME (23.85%) / PEPCO (15.75%)

Effective Date: April 5, 2018

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Tra	insmission Enhancements	Annual Revenue Requiremen	1
b2452.1	Reconductor Hunterstown - Oxford 115 kV line		APS (8.30%) / BGE (14.70%) / DEOK (0.48%) / Dominion (36.92%) / ME (23.85%) / PEPCO (15.75%)
b2452.3	Replace the Hunterstown 115 kV breaker '96192' with 40 kA		ME (100%)
b2588	Install a 36.6 MVAR 115 kV capacitor at North Bangor substation		ME (100%)
b2637	Convert Middletown Junction 230 kV substation to nine bay double breaker configuration.		ME (100%)
b2644	Install a 28.8 MVAR 115 kV capacitor at the Mountain substation		ME (100%)
b2688.1	Lincoln Substation: Upgrade the bus conductor and replace CTs.		AEP (12.91%) / APS (19.04%)/ ATSI (1.24%) / ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL (1.11%)/ Dominion (44.85%) / EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%)
b2688.2	Germantown Substation: Replace 138/115 kV transformer with a 135/180/224 MVA bank. Replace Lincoln 115 kV breaker, install new 138 kV breaker, upgrade bus conductor and adjust/replace CTs.		AEP (12.91%) / APS (19.04%)/ ATSI (1.24%) / ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL (1.11%)/ Dominion (44.85%) / EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%)

Effective Date: April 5, 2018

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	1 ()
	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment at		BGE (19.74%) / ComEd
b2743.4	Hunterstown 500 kV on		(2.16%) / Dayton (0.59%) /
02/43.4	the Conemaugh –		DEOK (1.02%) / DL (0.01%) /
	Hunterstown 500 kV		Dominion (39.95%) / EKPC
	circuit		(0.45%) / PEPCO (20.88%)
	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment and required		BGE (19.74%) / ComEd
b2752.4	relay communication at		(2.16%) / Dayton (0.59%) /
02/32.4	TMI 500 kV: on the		DEOK (1.02%) / DL (0.01%) /
	Beach Bottom – TMI		Dominion (39.95%) / EKPC
	500 kV circuit		(0.45%) / PEPCO (20.88%)
	Replace relay at West		
	Boyertown 69 kV station		
b2749	on the West Boyertown –		ME (100%)
	North Boyertown 69 kV		
	circuit		
	Upgrade bus conductor at		
	Gardners 115 kv		
b2765	substation; Upgrade bus		ME (100%)
02,00	conductor and adjust CT		(100,0)
	ratios at Carlisle Pike 115		
	kV		
	Install a 3rd 230/69 kV		
	224 MVA Transformer at		
b2814	Lyons and install new		ME (100%)
	terminal equipment for		,
	existing Lyons - East		
	Penn(865) 69 kV Line		
	Upgrade limiting 115 kV		
	switches on the 115 kV		
b2950	side of the 230/115 kV		ME (100%)
	Northwood substation		, , , ,
	and adjust setting on		
	limiting ZR relay		

Effective Date: January 1, 2019

SCHEDULE 12 – APPENDIX A

(5) Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone

Annual Revenue Requirement Responsible Customer(s) Required Transmission Enhancements **Load-Ratio Share Allocation:** AEC (1.61%) / AEP (14.10%) / APS (5.79%) / ATSI (7.95%) / BGE (4.11%) / ComEd (13.24%) / Dayton (2.07%) / DEOK (3.22%) / DL (1.73%) / DPL (2.48%) / Dominion Loop the 2026 (TMI – b2006.1.1 Hosensack 500 kV) line (13.17%) / EKPC (2.13%) / in to the Lauschtown JCPL (3.71%) / ME (1.88%) / NEPTUNE* (0.42%) / PECO (5.34%) / PENELEC (1.86%) / PEPCO (3.98%) / PPL (4.76%) / PSEG (6.19%) / RE (0.26%)**DFAX Allocation:** PPL (100%) Upgrade relay at South b2006.2.1 Reading on the 1072 230 ME (100%) V line Replace the South Reading 69 kV '81342' b2006.4 ME (100%) breaker with 40kA breaker Replace the South Reading 69 kV '82842' b2006.5 ME (100%) breaker with 40kA breaker APS (8.30%) / BGE (14.70%) / DEOK (0.48%) / Dominion Install 2nd Hunterstown b2452 230/115 kV transformer (36.92%) / ME (23.85%) / PEPCO (15.75%)

Effective Date: January 1, 2019

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Tra	insmission Enhancements	Annual Revenue Requiremen	1
b2452.1	Reconductor Hunterstown - Oxford 115 kV line		APS (8.30%) / BGE (14.70%) / DEOK (0.48%) / Dominion (36.92%) / ME (23.85%) / PEPCO (15.75%)
b2452.3	Replace the Hunterstown 115 kV breaker '96192' with 40 kA		ME (100%)
b2588	Install a 36.6 MVAR 115 kV capacitor at North Bangor substation		ME (100%)
b2637	Convert Middletown Junction 230 kV substation to nine bay double breaker configuration.		ME (100%)
b2644	Install a 28.8 MVAR 115 kV capacitor at the Mountain substation		ME (100%)
b2688.1	Lincoln Substation: Upgrade the bus conductor and replace CTs.		AEP (12.91%) / APS (19.04%)/ ATSI (1.24%) / ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL (1.11%)/ Dominion (44.85%) / EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%)
b2688.2	Germantown Substation: Replace 138/115 kV transformer with a 135/180/224 MVA bank. Replace Lincoln 115 kV breaker, install new 138 kV breaker, upgrade bus conductor and adjust/replace CTs.		AEP (12.91%) / APS (19.04%)/ ATSI (1.24%) / ComEd (0.35%) / Dayton (1.45%) / DEOK (2.30%) / DL (1.11%)/ Dominion (44.85%) / EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%)

Effective Date: January 1, 2019

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements		Annual Revenue Requirement	
	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment at		BGE (19.74%) / ComEd
b2743.4	Hunterstown 500 kV on		(2.16%) / Dayton (0.59%) /
02/43.4	the Conemaugh –		DEOK (1.02%) / DL (0.01%) /
	Hunterstown 500 kV		Dominion (39.95%) / EKPC
	circuit		(0.45%) / PEPCO (20.88%)
	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment and required		BGE (19.74%) / ComEd
b2752.4	relay communication at		(2.16%) / Dayton (0.59%) /
02/32.4	TMI 500 kV: on the		DEOK (1.02%) / DL (0.01%) /
	Beach Bottom – TMI		Dominion (39.95%) / EKPC
	500 kV circuit		(0.45%) / PEPCO (20.88%)
	Replace relay at West		
	Boyertown 69 kV station		
b2749	on the West Boyertown –		ME (100%)
	North Boyertown 69 kV		
	circuit		
	Upgrade bus conductor at		
	Gardners 115 kv		
b2765	substation; Upgrade bus		ME (100%)
	conductor and adjust CT		(- (- (- (- (- (- (- (- (- (-
	ratios at Carlisle Pike 115		
	kV		
	Install a 3rd 230/69 kV		
	224 MVA Transformer at		
b2814	Lyons and install new		ME (100%)
	terminal equipment for		, ,
	existing Lyons - East		
	Penn(865) 69 kV Line		
	Upgrade limiting 115 kV switches on the 115 kV		
	side of the 230/115 kV		
b2950			ME (100%)
	Northwood substation		
	and adjust setting on		
	limiting ZR relay		

ATTACHMENT B Redline Changes Accepted by the Commission in ER17-1236-000

Version 10.0.0 Docket No. ER17-1236-000 Effective Date: June 15, 2017

SCHEDULE 12 – APPENDIX A

(4) Jersey Central Power & Light Company

Required Tra	insmission Enhancements	Annual Revenue Requirement	Responsible Customer(s)
b2234	260 MVAR reactor at West Wharton 230 kV		JCPL (100%)
b2270	Advance Raritan River - Replace G1047E breaker at the 230kV Substation		JCPL (100%)
b2271	Advance Raritan River - Replace G1047F breaker at the 230kV Substation		JCPL (100%)
b2272	Advance Raritan River - Replace T1034E breaker at the 230kV Substation		JCPL (100%)
b2273	Advance Raritan River - Replace T1034F breaker at the 230kV Substation		JCPL (100%)
b2274	Advance Raritan River - Replace I1023E breaker at the 230kV Substation		JCPL (100%)
b2275	Advance Raritan River - Replace I1023F breaker at the 230kV Substation		JCPL (100%)
b2289	Freneau Substation - upgrade 2.5 inch pipe to bundled 1590 ACSR conductor at the K1025 230 kV Line Terminal		JCPL (100%)
b2292	Replace the Whippany 230 kV breaker B1 (CAP) with 63kA breaker		JCPL (100%)
b2357	Replace the East Windsor 230 kV breaker 'E1' with 63kA breaker		JCPL (100%)

Required 112	insmission Ennancements An	nuai Revenue Requirement	Responsible Customer(s)
	Replace transformer		
b2495	leads on the Glen		JCPL (100%)
	Gardner 230/34.5 kV #1		JCI L (100%)
	transformer		
	Replace Franklin		
b2496	115/34.5 kV transformer		JCPL (100%)
02470	#2 with 90 MVA		JCI L (10070)
	transformer		
	Reconductor 0.9 miles of		
	the Captive Plastics to		
b2497	Morris Park 34.5 kV		JCPL (100%)
	circuit (397ACSR) with		
	556 ACSR		
	Extend 5.8 miles of 34.5		
	kV circuit from North		
	Branch substation to		
b2498	Lebanon substation with		JCPL (100%)
	397 ACSR and install		
	34.5 kV breaker at		
	Lebanon substation		
	Upgrade terminal		
	equipment at Monroe on		
b2500	the Englishtown to		JCPL (100%)
	Monroe (H34) 34.5 kV		
	circuit		
	Upgrade limiting		
b2570	terminal facilities at		JCPL (100%)
02370	Feneau, Parlin, and		JCI L (100%)
	Williams substations		
b2571	Upgrade the limiting		
	terminal facilities at both		JCPL (100%)
	Jackson and North		JCFL (100%)
	Hanover		
	Upgrade the V74 34.5 kV		
h2596	transmission line		ICDI (10004)
b2586	between Allenhurst and		JCPL (100%)
	Elberon Substations		

Required Tra	nsmission Enhancements	Annual Revenue Requirement Responsible Customer(s)
b2633.6	Implement high speed relaying utilizing OPGW on Deans – East Windsor 500 kV	Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (44.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / Dominion (12.39%) / DPL (2.62%) / ECP** (0.20%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)
b2633.6.1	Implement high speed relaying utilizing OPGW on East Windsor - New Freedom 500 kV	Load-Ratio Share Allocation: AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (44.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / Dominion (12.39%) / DPL (2.62%) / ECP** (0.20%) / EKPC (1.82%) / HTP*** (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) DFAX Allocation: AEC (0.01%) / DPL (99.98%) / JCPL (0.01%)

required Tra	HSHIISSIOH EHHARCEHICHE AH	muai Revenue Requirement	Responsible Customer(s)
b2676	Install one (1) 72 MVAR fast switched capacitor at the Englishtown 230 kV substation		JCPL (100%)
b2708	Replace the Oceanview 230/34.5 kV transformer #1		JCPL (100%)
b2709	Replace the Deep Run 230/34.5 kV transformer #1		JCPL (100%)
b2754.2	Install 5 miles of optical ground wire (OPGW) between Gilbert and Springfield 230 kV substations		JCPL (100%)
b2754.3	Install 7 miles of all- dielectric self-supporting (ADSS) fiber optic cable between Morris Park and Northwood 230 kV substations		JCPL (100%)
b2754.6	Upgrade relaying at Morris Park 230 kV		JCPL (100%)
b2754.7	Upgrade relaying at Gilbert 230 kV		JCPL (100%)
<u>b2809</u>	Install a bypass switch at Mount Pleasant 34.5 kV substation to allow the Mount Pleasant substation load to be removed from the N14 line and transfer to O769 line		JCPL (100%)

Version 12.0.0 Docket No. ER17-1236-000 Effective Date: June 15, 2017

SCHEDULE 12 – APPENDIX A

(5) Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) **Load-Ratio Share Allocation:** AEC (1.70%) / AEP (14.25%) / APS (5.53%) / ATSI (8.09%) / BGE (44.19%) / ComEd (13.43%) / Dayton (2.12%) / DEOK (3.37%) / DL (1.77%) / Dominion (12.39%) / DPL Loop the 2026 (TMI – (2.62%) / ECP** (0.20%) / Hosensack 500 kV) line EKPC (1.82%) / HTP*** b2006.1.1 in to the Lauschtown (0.20%) / JCPL (3.78%) / ME (1.87%) / NEPTUNE* (0.42%) / PECO (5.30%) / PENELEC (1.84%) / PEPCO (4.18%) / PPL (4.46%) / PSEG (6.22%) / RE (0.25%) **DFAX Allocation:** BGE (17.43%) / ME (20.22%) / PPL (62.35%) Upgrade relay at South Reading on the 1072 230 b2006.2.1 ME (100%) V line Replace the South Reading 69 kV '81342' b2006.4 ME (100%) breaker with 40kA breaker Replace the South Reading 69 kV '82842' b2006.5 ME (100%) breaker with 40kA breaker APS (8.30%) / BGE (14.70%) / DEOK (0.48%) / Dominion Install 2nd Hunterstown b2452 230/115 kV transformer (36.92%) / ME (23.85%) / PEPCO (15.75%)

Version 12.0.0 Docket No. ER17-1236-000

Effective Date: June 15, 2017

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements Annual Revenue Requirement Responsible Customer(s) APS (8.30%) / BGE (14.70%) Reconductor / DEOK (0.48%) / Dominion Hunterstown - Oxford b2452.1 (36.92%) / ME (23.85%) / 115 kV line PEPCO (15.75%) Replace the Hunterstown b2452.3 115 kV breaker '96192' ME (100%) with 40 kA Install a 36.6 MVAR 115 b2588 kV capacitor at North ME (100%) Bangor substation Convert Middletown Junction 230 kV b2637 substation to nine bay ME (100%) double breaker configuration. Install a 28.8 MVAR b2644 115 kV capacitor at the ME (100%) Mountain substation AEP (12.91%) / APS (19.04%)/ ATSI (1.24%) / Lincoln Substation: ComEd (0.35%) / Dayton Upgrade the bus (1.45%) / DEOK (2.30%) / DL b2688.1 conductor and replace (1.11%)/ Dominion (44.85%) / CTs. EKPC (0.78%)/ PEPCO (15.85%) / RECO (0.12%) Germantown Substation: Replace 138/115 kV AEP (12.91%) / APS transformer with a (19.04%)/ ATSI (1.24%) / 135/180/224 MVA bank. ComEd (0.35%) / Dayton Replace Lincoln 115 kV (1.45%) / DEOK (2.30%) / DL b2688.2 breaker, install new 138 (1.11%)/ Dominion (44.85%)/ kV breaker, upgrade bus EKPC (0.78%)/ PEPCO conductor and (15.85%) / RECO (0.12%) adjust/replace CTs.

Version 12.0.0 Docket No. ER17-1236-000 Effective Date: June 15, 2017

Mid-Atlantic Interstate Transmission, LLC for the Metropolitan Edison Company Zone (cont.)

Required Transmission Enhancements		Annual Revenue Requirement Responsible Customer(s)	
b2743.4	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment at		BGE (19.74%) / ComEd
	Hunterstown 500 kV on		(2.16%) / Dayton (0.59%) /
	the Conemaugh –		DEOK (1.02%) / DL (0.01%) /
	Hunterstown 500 kV		Dominion (39.95%) / EKPC
	circuit		(0.45%) / PEPCO (20.88%)
b2752.4	Upgrade terminal		AEP (6.46%) / APS (8.74%) /
	equipment and required		BGE (19.74%) / ComEd
	relay communication at		(2.16%) / Dayton (0.59%) /
	TMI 500 kV: on the		DEOK (1.02%) / DL (0.01%) /
	Beach Bottom – TMI		Dominion (39.95%) / EKPC
	500 kV circuit		(0.45%) / PEPCO (20.88%)
b2749	Replace relay at West		ME (100%)
	Boyertown 69 kV station		
	on the West Boyertown –		
	North Boyertown 69 kV		
	circuit		
b2765	Upgrade bus conductor		
	at Gardners 115 kv		
	substation; Upgrade bus	ME (100%)	
	conductor and adjust CT		WE (10070)
	ratios at Carlisle Pike		
	115 kV		
<u>b2814</u>	Install a 3rd 230/69 kV		
	224 MVA Transformer at		
	Lyons and install new		ME (100%)
	terminal equipment for		<u>ME (10070)</u>
	existing Lyons - East		
	Penn(865) 69 kV Line		