



PJM Interconnection, L.L.C.
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December 2, 2022

Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, D.C. 20426-0001

Re: *PJM Interconnection, L.L.C.*, Docket No. ER19-2105-000 and -001
2023 Informational Filing

Dear Secretary Bose:

In accordance with the PJM Open Access Transmission Tariff (“Tariff”),¹ Schedule 7, section 11(E), as accepted by the Federal Energy Regulatory Commission (“Commission”) in its November 5, 2019 Order Accepting and Suspending Proposed Tariff Revisions and Establishing Hearing and Settlement Judge Procedures,² PJM Interconnection, L.L.C. (“PJM”) submits, as part of the annual updating process for the Border Yearly Charge, the attached “2023 BYC Workbook” which contains the inputs and calculations used to determine the Border Yearly Charge and the Border Yearly Charge variance report as posted on the PJM website on December 1, 2022.³

¹ All capitalized terms that are not otherwise defined herein shall have the same meaning as they are defined in the Tariff, Amended and Restated Operating Agreement of PJM Interconnection, L.L.C. or the Reliability Assurance Agreement among Load Serving Entities in the PJM Region.

² *PJM Interconnection, L.L.C.*, 169 FERC ¶ 61,095, at Ordering Paragraph A (2019), *order on reh’g*, 172 FERC ¶ 61,156, at P 2 (2020) (“November 2019 Order”) (accepting the Tariff revisions and suspending to become effective January 1, 2020, subject to refund). On October 7, 2021, the parties to this proceeding filed a settlement to resolve the issues set for hearing in the above-captioned docket, which involves the rate for Point-to-Point Transmission Service at the Border of PJM for delivery to neighboring regions (“Border Rate”). *PJM Interconnection, L.L.C.*, Offer of Settlement, Docket No. ER19-2105-003 (Oct. 7, 2021) (“Border Rate Settlement”). The settlement judge certified the Border Rate Settlement as uncontested on December 21, 2021. *PJM Interconnection, L.L.C.*, 177 FERC ¶ 63,027 (2021). The Border Rate Settlement remains pending before the Commission.

³ See <https://www.pjm.com/markets-and-operations/billing-settlements-and-credit.aspx>.

The 2023 BYC Workbook is attached hereto as Appendix A. PJM is submitting this filing for informational purposes.

I. DESCRIPTION OF INFORMATIONAL FILING

On June 11, 2019, the PJM Transmission Owners submitted, among other things, proposed revisions to the PJM Tariff, Schedule 7, Schedule 8 and Attachment H-A, to replace the existing stated rates for both Point-to-Point Transmission Service to the border of PJM and Network Integration Transmission Service for Non-Zone Network Load with a methodology for updating such rates on an annual basis beginning with calendar year 2020.⁴ The revisions included updates to the rates for Firm and Non-Firm Point-To-Point Transmission Service to the border of the PJM Region (“Border Rate”), and replaced the existing stated rate with a formula rate that updates annually to reflect new transmission investments and new Transmission Owners. The revisions also included an annual updating process, pursuant to which PJM posts on its website and files with the Commission an informational filing detailing the inputs and calculations used to calculate the Border Yearly Charge.⁵

The methodology for determining and updating the Border Yearly Charge and associated rates on an annual basis is set forth in the Tariff, Schedule 7, section 11. The methodology also applies to the maximum Border Yearly Charge under Schedule 8 and the rate for Non-Zone Service. The rate for service under each is calculated pursuant to Schedule 7.

⁴ *Appalachian Power Co.*, Revisions to Tariff, Schedule 7 and 8 and Attachment H-A (Border Rate), Docket No. ER19-2105-000 (June 11, 2019) (“June 2019 Filing”). Appendix A conforms to Exhibit C included in the June 2019 Filing. On November 5, 2019, the Commission accepted the proposed Tariff revisions for filing, suspended them until an effective date of January 1, 2020, subject to refund, resolved certain issues, and set the remaining issues for hearing and settlement procedures. *See* November 2019 Order at PP 61-62.

⁵ *See* Tariff, Schedule 7, sections 11(C) and (E).

The information necessary to calculate the Border Yearly Charge is taken from Tariff, Attachment H or the formula rate protocols set out in the relevant sections of Attachment H. More specifically, revenue requirements for PJM Transmission Owners with stated rates were taken directly from the rates stated in Attachment H and in effect on January 1, if approved by the Commission prior to the October 31, 2022. For PJM Transmission Owners with formula rates, PJM used the revenue requirement from each Transmission Owner's most recent formula rate annual update information filed with the Commission or posted on the PJM website no later than October 31, 2022, and effective January 1, 2023.

Consistent with Tariff, Schedule 7, section 11(C), PJM posted on its website all of the inputs and calculations used to determine the Border Yearly Charge for calendar year 2023 on December 1, 2022.⁶ The posting includes a variance report documenting any changes to the inputs used to calculate the updated Border Yearly Charge from the then-effective Border Yearly Charge. The updated Border Yearly Charge will go into effect on January 1, 2023, subject to refund, consistent with the November 2019 Order. In addition, consistent with Tariff, Schedule 7, section 11(E), PJM is submitting this fourth informational filing to the Commission.⁷ This filing includes all the information posted on PJM's website relative to the Border Yearly Charge annual update.

⁶ See *supra*, n.3.

⁷ PJM submitted filings in November 2019, December 2020 and December 2021 showing the calculation of the Border Yearly Charge for calendar years 2020, 2021, and 2022, respectively. *PJM Interconnection, L.L.C.*, Informational Filing of PJM Interconnection, L.L.C., Docket Nos. ER19-2105-000, -001 (Nov. 27, 2019); *PJM Interconnection, L.L.C.*, 2021 Informational Filing of PJM Interconnection, L.L.C., Docket Nos. ER19-2105-000, -001 (Dec. 1, 2020); *PJM Interconnection, L.L.C.*, 2022 Informational Filing of PJM Interconnection, L.L.C., Docket Nos. ER19-2105-000, -001 (Dec. 8, 2021).

II. COMMUNICATIONS

The following individuals are designated for inclusion on the official service list in this proceeding and for receipt of any communications regarding this filing:

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III. CONTENTS OF THIS FILING

The following documents are included with this filing:

1. This transmittal letter; and
2. Appendix A – 2023 BYC Workbook

IV. CONCLUSION

PJM respectfully requests the Commission accept this informational filing as responsive to its reporting requirements in accordance with Tariff, Schedule 7, section 11(E) and the Commission's November 2019 Order.

Respectfully submitted,

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APPENDIX A

2023 BYC Workbook

[Filed Separately in Excel Format]

**Schedule 7 Long-Term Firm & Short-Term Firm
Point-To-Point Transmission Service Rate
(October 31, 2022 Data)**

Point of Delivery	Yearly Charge (\$/MW-Yr)
Border of PJM	\$68,210

PJM Transmission Owner		PJM OATT	Formula Rate	Start Of	Transmission Revenue Requirements (\$/Year)		Revenue Credits (\$/Year)			
					Border Rate TS	NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
		NITS Rate Attachment	Filing Type	Rate Year						
AE Coop	Allegheny Electric Cooperative, Inc.	H-8	Stated	N/A	\$2,584,702	\$2,584,702	\$0	\$0	\$0	\$0
AEC	Atlantic City Electric Company	H-1	Formula	6/1/2022	\$211,845,652	\$210,153,068	\$0	\$1,692,583	\$0	\$0
AEP	AEP East Operating Companies	H-14	Formula	1/1/2023	\$1,154,301,643	\$1,112,801,191	\$41,500,452	\$0	\$0	\$0
AEP	AEP East Transmission Companies	H-20	Formula	1/1/2023	\$1,466,185,510	\$1,316,538,537	\$149,646,973	\$0	\$0	\$0
AMPT	AMP Transmission, LLC (ATSI)	H-32	Formula	1/1/2023	\$10,876,375	\$10,690,831	\$0	\$185,544	\$0	\$0
AMPT	AMP Transmission, LLC (AEP)	H-32	Formula	1/1/2023	\$351,352	\$351,352	\$0	\$0	\$0	\$0
APS	South FirstEnergy Operating Companies	H-11	Formula	1/1/2023	\$182,682,888	\$161,006,850	\$20,189,292	\$1,486,746	\$0	\$0
ATSI	American Transmission Systems, Inc.	H-21	Formula	1/1/2023	\$887,945,738	\$848,637,818	\$29,344,750	\$9,689,278	\$0	\$273,892
BGE	Baltimore Gas and Electric Company	H-2	Formula	6/1/2022	\$297,910,472	\$295,312,882	\$0	\$2,597,590	\$0	\$0
ComEd	Commonwealth Edison Company	H-13	Formula	6/1/2022	\$763,490,165	\$763,490,165	\$0	\$0	\$0	\$0
Dayton	The Dayton Power and Light Company	H-15	Formula	1/1/2023	\$67,076,131	\$62,043,314	\$4,444,773	\$588,044	\$0	\$0
DEOK	Duke Energy Ohio and Duke Energy Kentucky	H-22	Formula	6/1/2022	\$201,850,726	\$200,020,318	\$0	\$1,830,408	\$0	\$0
DL	Duquesne Light Company	H-17	Formula	6/1/2022	\$169,408,377	\$167,886,897	\$0	\$1,521,480	\$0	\$0
Dominion	Virginia Electric and Power Company	H-16	Formula	1/1/2023	\$1,343,437,705	\$1,341,607,205	\$0	\$0	\$0	\$1,830,500
DPL	Delmarva Power & Light Company	H-3	Formula	6/1/2022	\$195,364,980	\$193,598,433	\$0	\$1,766,547	\$0	\$0
EKPC	East Kentucky Power Cooperative	H-24	Formula	6/1/2022	\$89,718,034	\$89,590,957	\$0	\$0	\$0	\$127,077
JCPL	Jersey Central Power & Light Company	H-4	Formula	1/1/2023	\$189,919,326	\$167,178,790	\$20,655,221	\$2,085,314	\$0	\$0
MAIT	Mid-Atlantic Interstate Transmission, LLC	H-28	Formula	1/1/2023	\$356,124,988	\$307,052,794	\$45,792,985	\$3,279,209	\$0	\$0
NAEA	Essential Power Rock Springs, LLC	H-23	Stated	N/A	\$1,089,401	\$1,089,401	\$0	\$0	\$0	\$0
NEET	NextEra Energy Transmission MidAtlantic Indiana	H-33	Formula	6/1/2022	\$322,216	\$322,216	\$0	\$0	\$0	\$0
ODEC	Old Dominion Electric Cooperative	H-3	Formula	6/1/2022	\$4,602,195	\$4,602,195	\$0	\$0	\$0	\$0
OVEC	Ohio Valley Electric Corporation	H-31	Stated	N/A	\$11,256,927	\$11,256,927	\$0	\$0	\$0	\$0
PATH	Potomac-Appalachian Transmission Highline, LLC	H-19	Formula	1/1/2023	\$539,569	\$0	\$539,569	\$0	\$0	\$0
PECO	PECO Energy Company	H-7	Formula	6/1/2022	\$229,144,280	\$194,998,428	\$32,544,070	\$1,601,782	\$0	\$0
PEPCO	Potomac Electric Power Company	H-9	Formula	6/1/2022	\$201,545,590	\$199,759,404	\$0	\$1,786,186	\$0	\$0
PPL	PPL Electric Utilities Corporation	H-8	Formula	6/1/2022	\$742,992,345	\$655,118,825	\$85,503,073	\$2,370,447	\$0	\$0
PSEG	Public Service Electric and Gas Company	H-10	Formula	1/1/2023	\$1,688,403,829	\$1,671,403,829	\$0	\$17,000,000	\$0	\$0
RE	Rockland Electric Company	H-12	Stated	N/A	\$20,354,318	\$20,354,318	\$0	\$0	\$0	\$0
SMECO	Southern Maryland Electric Cooperative, Inc.	H-9C	Stated	N/A	\$17,086,212	\$17,086,212	\$0	\$0	\$0	\$0
SRE	Silver Run Electric, LLC	H-27	Formula	1/1/2023	\$25,552,977	\$0	\$25,552,977	\$0	\$0	\$0
TrAILCo	Trans-Allegheny Interstate Line Company	H-18	Formula	6/1/2022	\$231,870,385	\$0	\$229,226,167	\$2,644,218	\$0	\$0
Transource	Transource Maryland, LLC	H-30	Formula	1/1/2023	\$838,798	\$0	\$838,798	\$0	\$0	\$0
Transource	Transource Pennsylvania, LLC	H-29	Formula	1/1/2023	\$906,906	\$0	\$906,906	\$0	\$0	\$0
Transource	Transource West Virginia, LLC	H-26	Formula	1/1/2023	\$9,063,716	\$0	\$9,063,716	\$0	\$0	\$0
UGI	UGI Utilities, Inc	H-8	Formula	6/1/2022	\$8,076,673	\$7,974,096	\$0	\$102,577	\$0	\$0
TOTAL					\$10,784,721,100	\$10,034,511,955	\$695,749,723	\$52,227,953	\$0	\$2,231,469

Values reflected herein are as of 10/31/2022 pursuant to Schedule 7 of the PJM Tariff.

Responsible Zone		Current Effective NSPLs (MW)
AEC	Atlantic City Electric Company	2614.0
AEP	AEP East Zone	21717.1
APS	Allegheny Power	9154.3
ATSI	American Transmission Systems, Inc.	12771.1
BGE	Baltimore Gas & Electric Company	6520.0
ComEd	Commonwealth Edison Company	21262.3
Dayton	The Dayton Power & Light Company	3361.6
DEOK	Duke Energy Ohio, Inc. & Duke Energy Kentucky, Inc.	5166.1
DL	Duquesne Light Company	2714.7
Dominion	Virginia Electric & Power Company	21156.3
DPL	Delmarva Power & Light Company	4125.3
EKPC	East Kentucky Power Cooperative, Inc.	2993.5
JCPL	Jersey Central Power & Light Company	6122.9
ME	Metropolitan Edison Company	3021.3
OVEC	Ohio Valley Electric Cooperative	121.0
PECO	PECO Energy Company	8582.6
PENELEC	Pennsylvania Electric Company	2830.3
PEPCO	Potomac Electric Power Company	5833.8
PPL	PPL Electric Utilities Corporation	7488.6
PSEG	Public Service Electric & Gas Company	10147.0
RE	Rockland Electric Compnay	407.4
TOTAL Denominator		158,111

PJM Transmission Owner		Transmission Revenue Requirements (\$/Year)*	Revenue Credits (\$/Year)*			
		NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
AE Coop	Allegheny Electric Cooperative, Inc.	https://agreements.pjm.com/oatt/18396	N/A	N/A	N/A	N/A
AEC	Atlantic City Electric Company	ATT H-1A: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
AEP	AEP East Operating Companies	Zonal Rates: Ln12 Total	N/A	N/A	N/A	N/A
AEP	AEP East Transmission Companies	TransCo PJM Zonal Rates: Ln12 Total	N/A	N/A	N/A	N/A
AMPT	AMP Transmission, LLC (ATSI)	Attachment H-32A: Ln17	N/A	H-32A-WP02 - Revenue Credits: Ln12	N/A	N/A
AMPT	AMP Transmission, LLC (AEP)	Attachment H-32A: Ln17	N/A	H-32A-WP02 - Revenue Credits: Ln12	N/A	N/A
APS	South FirstEnergy Operating Companies	Attachment H-11A Summary: Line 4	TEC Summary Column 3 Sum	H-11A: P1, Col5, Ln4 (for each FE entity)	N/A	N/A
ATSI	American Transmission Systems, Inc.	Attachment H-21-A ATSI: Ln7	Appendix D-TEC: Pg2, Sum Col12	Attachment H-21-A ATSI: Ln3	N/A	Attachment H-21-A ATSI: Ln5a
BGE	Baltimore Gas and Electric Company	ATT H-2A: Ln171	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
ComEd	Commonwealth Edison Company	Appendix A: Ln172	N/A	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
Dayton	The Dayton Power and Light Company	ATT H-15A: Ln171	ATT H-15A: Ln 169	3 - Revenue Credits: Ln14	N/A	N/A
DEOK	Duke Energy Ohio and Duke Energy Kentucky	DEOK: Ln7	N/A	DEOK: Ln3	N/A	N/A
DL	Duquesne Light Company	Appendix A: Ln167	N/A	3 - Revenue Credits: Row 59	N/A	N/A
Dominion	Virginia Electric and Power Company	Appendix A: Ln168 * 1000	N/A	ATT3 - Revenue Credits: Ln5 * 1000	N/A	ATT3 - Revenue Credits: Ln4 * 1000
DPL	Delmarva Power & Light Company	ATT H-3D: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
EKPC	East Kentucky Power Cooperative	EKPC: Ln7	N/A	N/A	N/A	EKPC: Ln4
JCPL	Jersey Central Power & Light Company	ATT H-4A: Ln6	Attachment 11 - TEC: Pg2, Sum C	Attachment 18: Row 25	N/A	N/A
MAIT	Mid-Atlantic Interstate Transmission, LLC	Attachment H-28A MAIT: Ln10	Attachment 11 - TEC: Pg2, Sum C	Attachment 21 - Revenue Credits: Ln3a	N/A	N/A
NAEA	Essential Power Rock Springs, LLC	https://agreements.pjm.com/oatt/23736	N/A	N/A	N/A	N/A
NEET	NextEra Energy Transmission MidAtlantic Indiana	ATT H-33: Line10	N/A	N/A	N/A	N/A
ODEC	Old Dominion Electric Cooperative	ATT H-3F: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
OVEC	Ohio Valley Electric Corporation	https://agreements.pjm.com/oatt/31906	N/A	N/A	N/A	N/A
PATH	Potomac-Appalachian Transmission Highline, LLC	N/A	Attachment H-19A: Ln6 Total	N/A	N/A	N/A
PECO	PECO Energy Company	Attachment H-7: Ln9	Attachment H-7: Ln6	5A - Revenue Credits: Ln5	N/A	N/A
PEPCO	Potomac Electric Power Company	ATT H-9A: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
PPL	PPL Electric Utilities Corporation	Appendix A: Ln148	3 - Revenue Credits: Ln3	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
PSEG	Public Service Electric and Gas Company	Appendix A: Ln183	N/A	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
RE	Rockland Electric Company	https://agreements.pjm.com/oatt/18408	N/A	N/A	N/A	N/A
SMECO	Southern Maryland Electric Cooperative, Inc.	https://agreements.pjm.com/oatt/30388	N/A	N/A	N/A	N/A
SRE	Silver Run Electric, LLC	N/A	Attachment H-27A: Ln9	N/A	N/A	N/A
TrAILCo	Trans-Allegheny Interstate Line Company	N/A	Appendix A: Ln150	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
Transource	Transource Maryland, LLC	N/A	Attachment H-30A: Ln10	N/A	N/A	N/A
Transource	Transource Pennsylvania, LLC	N/A	Attachment H-29A: Ln10	N/A	N/A	N/A
Transource	Transource West Virginia, LLC	N/A	Attachment H-26: Ln9	N/A	N/A	N/A
UGI	UGI Utilities, Inc	Attachment H-8C: Ln174	N/A	Attachment 3: Ln5	N/A	N/A

* All endnotes either refer to a hyperlink or to a location within the Transmission Owner's Formula Rate filing.

**Schedule 7 Long-Term Firm & Short-Term Firm
Point-To-Point Transmission Service Rate
Change**

Point of Delivery	Yearly Charge (\$/MW-Yr)
Border of PJM	\$585

PJM Transmission Owner		PJM OATT NITS Rate Attachment	Formula Rate Filing Type	Start Of Rate Year	Transmission Revenue Requirements (\$/Year)		Revenue Credits (\$/Year)			
					Border Rate TS	NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission
AE Coop	Allegheny Electric Cooperative, Inc.	H-8	Stated	N/A	\$0	\$0	\$0	\$0	\$0	\$0
AEC	Atlantic City Electric Company	H-1	Formula	6/1/2021	\$34,201,388	\$34,325,160	\$0	-\$123,773	\$0	\$0
AEP	AEP East Operating Companies	H-14	Formula	1/1/2022	\$0	\$0	\$0	\$0	\$0	\$0
AEP	AEP East Transmission Companies	H-20	Formula	1/1/2022	\$0	\$0	\$0	\$0	\$0	\$0
AMPT	AMP Transmission, LLC (ATSI)	H-32	Formula	1/1/2022	\$3,122,835	\$2,985,838	\$0	\$136,997	\$0	\$0
AMPT	AMP Transmission, LLC (AEP)	H-32	Formula	1/1/2022	-\$893,098	-\$893,098	\$0	\$0	\$0	\$0
APS	South First Energy Operating Companies/Allegheny	H-11	Stated	1/1/2022	\$0	\$0	\$0	\$0	\$0	\$0
ATSI	American Transmission Systems, Inc.	H-21	Formula	1/1/2022	\$7,914,393	\$6,557,811	\$0	\$1,346,205	\$0	\$10,377
BGE	Baltimore Gas and Electric Company	H-2	Formula	6/1/2021	\$20,669,938	\$20,853,122	\$0	-\$183,184	\$0	\$0
ComEd	Commonwealth Edison Company	H-13	Formula	6/1/2021	\$203,246	\$203,246	\$0	\$0	\$0	\$0
Dayton	The Dayton Power and Light Company	H-15	Formula	1/1/2022	\$642,378	\$739,113	-\$96,735	\$0	\$0	\$0
DEOK	Duke Energy Ohio and Duke Energy Kentucky	H-22	Formula	6/1/2021	\$25,699,149	\$25,781,165	\$0	-\$82,016	\$0	\$0
DL	Duquesne Light Company	H-17	Formula	6/1/2021	\$31,503,729	\$31,867,510	\$0	-\$363,781	\$0	\$0
Dominion	Virginia Electric and Power Company	H-16	Formula	1/1/2022	\$62,236,525	\$62,222,254	\$0	\$0	\$0	\$14,271
DPL	Delmarva Power & Light Company	H-3	Formula	6/1/2021	\$10,267,747	\$10,544,323	\$0	-\$276,576	\$0	\$0
EKPC	East Kentucky Power Cooperative	H-24	Formula	6/1/2021	\$11,523,569	\$11,503,018	\$0	\$0	\$0	\$20,551
JCPL	Jersey Central Power & Light Company	H-4	Formula	1/1/2022	\$867,976	\$560,778	-\$96,915	\$404,112	\$0	\$0
MAIT	Mid-Atlantic Interstate Transmission, LLC	H-28	Formula	1/1/2022	\$41,514,678	\$37,683,396	\$3,185,976	\$645,306	\$0	\$0
NAEA	Essential Power Rock Springs, LLC	H-23	Stated	N/A	\$0	\$0	\$0	\$0	\$0	\$0
NEET	NextEra Energy Transmission MidAtlantic Indiana	H-33	Formula	6/1/2021	-\$568,240	-\$568,240	\$0	\$0	\$0	\$0
ODEC	Old Dominion Electric Cooperative	H-3	Formula	6/1/2021	-\$1,032,596	-\$1,032,596	\$0	\$0	\$0	\$0
OVEC	Ohio Valley Electric Corporation	H-31	Stated	N/A	\$0	\$0	\$0	\$0	\$0	\$0
PATH	Potomac-Appalachian Transmission Highline, LLC	H-19	Formula	1/1/2022	-\$1,153,536	\$0	-\$1,153,536	\$0	\$0	\$0
PECO	PECO Energy Company	H-7	Formula	6/1/2021	\$38,714,913	\$35,975,726	\$3,098,383	-\$359,196	\$0	\$0
PEPCO	Potomac Electric Power Company	H-9	Formula	6/1/2021	\$30,838,972	\$31,435,659	\$0	-\$596,687	\$0	\$0
PPL	PPL Electric Utilities Corporation	H-8	Formula	6/1/2021	-\$47,939,346	-\$41,819,962	-\$1,024,600	-\$5,094,784	\$0	\$0
PSEG	Public Service Electric and Gas Company	H-10	Formula	1/1/2022	-\$77,643,252	-\$81,643,252	\$0	\$4,000,000	\$0	\$0
RE	Rockland Electric Company	H-12	Stated	N/A	\$3,520,611	\$3,520,611	\$0	\$0	\$0	\$0
SMECO	Southern Maryland Electric Cooperative, Inc.	H-9C	Stated	N/A	\$0	\$0	\$0	\$0	\$0	\$0
SRE	Silver Run Electric, LLC	H-27	Formula	1/1/2022	\$454,430	\$0	\$454,430	\$0	\$0	\$0
TrAILCo	Trans-Allegheny Interstate Line Company	H-18	Formula	6/1/2021	-\$9,356,524	\$0	-\$8,632,897	-\$723,627	\$0	\$0
Transource	Transource Maryland, LLC	H-30	Formula	1/1/2022	-\$748,705	\$0	-\$748,705	\$0	\$0	\$0
Transource	Transource Pennsylvania, LLC	H-29	Formula	1/1/2022	-\$6,222,529	\$0	-\$6,222,529	\$0	\$0	\$0
Transource	Transource West Virginia, LLC	H-26	Formula	1/1/2022	-\$1,409,244	\$0	-\$1,409,244	\$0	\$0	\$0
UGI	UGI Utilities, Inc	H-8	Formula	6/1/2021	-\$2,346,523	-\$2,347,819	\$0	\$1,296	\$0	\$0
TOTAL					\$174,582,882	\$188,453,762	-\$12,646,371	-\$1,269,708	\$0	\$45,199

\$0

Responsible Zone		Current Effective NSPLs (MW)
AEC	Atlantic City Electric Company	-17.0
AEP	AEP East Zone	-208.2
APS	Allegheny Power	289.3
ATSI	American Transmission Systems, Inc.	166.9
BGE	Baltimore Gas & Electric Company	34.0
ComEd	Commonwealth Edison Company	95.1
Dayton	The Dayton Power & Light Company	31.7
DEOK	Duke Energy Ohio, Inc. & Duke Energy Kentucky, Inc.	-139.6
DL	Duquesne Light Company	-44.6
Dominion	Virginia Electric & Power Company	751.8
DPL	Delmarva Power & Light Company	119.3
EKPC	East Kentucky Power Cooperative, Inc.	142.7
JCPL	Jersey Central Power & Light Company	-46.2
ME	Metropolitan Edison Company	-50.2
OVEC	Ohio Valley Electric Cooperative	15.0
PECO	PECO Energy Company	103.5
PENELEC	Pennsylvania Electric Company	-69.2
PEPCO	Potomac Electric Power Company	4.8
PPL	PPL Electric Utilities Corporation	-28.3
PSEG	Public Service Electric & Gas Company	82.9
RE	Rockland Electric Compnay	-20.0
TOTAL Denominator		1,214

PJM Transmission Owner		Transmission Revenue Requirements (\$/Year)*	Revenue Credits (\$/Year)*			
			NITS	Schedule 12	P2P TS	Non-Zone Load
AE Coop	Allegheny Electric Cooperative, Inc.					
AEC	Atlantic City Electric Company					
AEP	AEP East Operating Companies					
AEP	AEP East Transmission Companies					
AMPT	AMP Transmission, LLC (ATSI)					
AMPT	AMP Transmission, LLC (AEP)					
APS	South FirstEnergy Operating Companies					
ATSI	American Transmission Systems, Inc.					
BGE	Baltimore Gas and Electric Company					
ComEd	Commonwealth Edison Company					
Dayton	The Dayton Power and Light Company					
DEOK	Duke Energy Ohio and Duke Energy Kentucky					
DL	Duquesne Light Company				3 - Revenue Credits: Row 59	
Dominion	Virginia Electric and Power Company					
DPL	Delmarva Power & Light Company					
EKPC	East Kentucky Power Cooperative					
JCPL	Jersey Central Power & Light Company					
MAIT	Mid-Atlantic Interstate Transmission, LLC					
NAEA	Essential Power Rock Springs, LLC					
NEET	NextEra Energy Transmission MidAtlantic Indiana					
ODEC	Old Dominion Electric Cooperative					
OVEC	Ohio Valley Electric Corporation					
PATH	Potomac-Appalachian Transmission Highline, LLC					
PECO	PECO Energy Company					
PEPCO	Potomac Electric Power Company					
PPL	PPL Electric Utilities Corporation					
PSEG	Public Service Electric and Gas Company	Appendix A: Ln183				
RE	Rockland Electric Company					
SMECO	Southern Maryland Electric Cooperative, Inc.					
SRE	Silver Run Electric, LLC					
TrAILCo	Trans-Allegheny Interstate Line Company					
Transource	Transource Maryland, LLC					
Transource	Transource Pennsylvania, LLC					
Transource	Transource West Virginia, LLC					
UGI	UGI Utilities, Inc					

* All endnotes either refer to a hyperlink or to a location within the Transmission Owner's Formula Rate filing.

**Schedule 7 Long-Term Firm & Short-Term Firm
Point-To-Point Transmission Service Rate
(October 31, 2021 Data)**

Point of Delivery	Yearly Charge (\$/MW-Yr)
Border of PJM	\$67,625

PJM Transmission Owner		PJM OATT	Formula Rate	Start Of	Transmission Revenue Requirements (\$/Year)		Revenue Credits (\$/Year)			
					Border Rate TS	NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
		NITS Rate Attachment	Filing Type	Rate Year						
AE Coop	Allegheny Electric Cooperative, Inc.	H-8	Stated	N/A	\$2,584,702	\$2,584,702	\$0	\$0	\$0	\$0
AEC	Atlantic City Electric Company	H-1	Formula	6/1/2021	\$177,644,264	\$175,827,908	\$0	\$1,816,356	\$0	\$0
AEP	AEP East Operating Companies	H-14	Formula	1/1/2022	\$1,154,301,643	\$1,112,801,191	\$41,500,452	\$0	\$0	\$0
AEP	AEP East Transmission Companies	H-20	Formula	1/1/2022	\$1,466,185,510	\$1,316,538,537	\$149,646,973	\$0	\$0	\$0
AMPT	AMP Transmission, LLC (ATSI)	H-32	Formula	1/1/2022	\$7,753,540	\$7,704,993	\$0	\$48,547	\$0	\$0
AMPT	AMP Transmission, LLC (AEP)	H-32	Formula	1/1/2022	\$1,244,451	\$1,244,451	\$0	\$0	\$0	\$0
APS	South FirstEnergy Operating Companies	H-11	Formula	1/1/2022	\$182,682,888	\$161,006,850	\$20,189,292	\$1,486,746	\$0	\$0
ATSI	American Transmission Systems, Inc.	H-21	Formula	1/1/2022	\$880,031,345	\$842,080,007	\$29,344,750	\$8,343,073	\$0	\$263,515
BGE	Baltimore Gas and Electric Company	H-2	Formula	6/1/2021	\$277,240,534	\$274,459,760	\$0	\$2,780,774	\$0	\$0
ComEd	Commonwealth Edison Company	H-13	Formula	6/1/2021	\$763,286,919	\$763,286,919	\$0	\$0	\$0	\$0
Dayton	The Dayton Power and Light Company	H-15	Formula	1/1/2022	\$66,433,753	\$61,304,201	\$4,541,508	\$588,044	\$0	\$0
DEOK	Duke Energy Ohio and Duke Energy Kentucky	H-22	Formula	6/1/2021	\$176,151,577	\$174,239,153	\$0	\$1,912,424	\$0	\$0
DL	Duquesne Light Company	H-17	Formula	6/1/2021	\$137,904,648	\$136,019,387	\$0	\$1,885,261	\$0	\$0
Dominion	Virginia Electric and Power Company	H-16	Formula	1/1/2022	\$1,281,201,180	\$1,279,384,951	\$0	\$0	\$0	\$1,816,229
DPL	Delmarva Power & Light Company	H-3	Formula	6/1/2021	\$185,097,233	\$183,054,110	\$0	\$2,043,123	\$0	\$0
EKPC	East Kentucky Power Cooperative	H-24	Formula	6/1/2021	\$78,194,465	\$78,087,939	\$0	\$0	\$0	\$106,526
JCPL	Jersey Central Power & Light Company	H-4	Formula	1/1/2022	\$189,051,350	\$166,618,012	\$20,752,136	\$1,681,202	\$0	\$0
MAIT	Mid-Atlantic Interstate Transmission, LLC	H-28	Formula	1/1/2022	\$314,610,310	\$269,369,398	\$42,607,009	\$2,633,903	\$0	\$0
NAEA	Essential Power Rock Springs, LLC	H-23	Stated	N/A	\$1,089,401	\$1,089,401	\$0	\$0	\$0	\$0
NEET	NextEra Energy Transmission MidAtlantic Indiana	H-33	Formula	6/1/2021	\$890,456	\$890,456	\$0	\$0	\$0	\$0
ODEC	Old Dominion Electric Cooperative	H-3	Formula	6/1/2021	\$5,634,791	\$5,634,791	\$0	\$0	\$0	\$0
OVEC	Ohio Valley Electric Corporation	H-31	Stated	N/A	\$11,256,927	\$11,256,927	\$0	\$0	\$0	\$0
PATH	Potomac-Appalachian Transmission Highline, LLC	H-19	Formula	1/1/2022	\$1,693,105	\$0	\$1,693,105	\$0	\$0	\$0
PECO	PECO Energy Company	H-7	Formula	6/1/2021	\$190,429,367	\$159,022,702	\$29,445,687	\$1,960,978	\$0	\$0
PEPCO	Potomac Electric Power Company	H-9	Formula	6/1/2021	\$170,706,618	\$168,323,745	\$0	\$2,382,873	\$0	\$0
PPL	PPL Electric Utilities Corporation	H-8	Formula	6/1/2021	\$790,931,691	\$696,938,787	\$86,527,673	\$7,465,231	\$0	\$0
PSEG	Public Service Electric and Gas Company	H-10	Formula	1/1/2022	\$1,766,047,081	\$1,753,047,081	\$0	\$13,000,000	\$0	\$0
RE	Rockland Electric Company	H-12	Stated	N/A	\$16,833,707	\$16,833,707	\$0	\$0	\$0	\$0
SMECO	Southern Maryland Electric Cooperative, Inc.	H-9C	Stated	N/A	\$17,086,212	\$17,086,212	\$0	\$0	\$0	\$0
SRE	Silver Run Electric, LLC	H-27	Formula	1/1/2022	\$25,098,547	\$0	\$25,098,547	\$0	\$0	\$0
TrAILCo	Trans-Allegheny Interstate Line Company	H-18	Formula	6/1/2021	\$241,226,909	\$0	\$237,859,064	\$3,367,845	\$0	\$0
Transource	Transource Maryland, LLC	H-30	Formula	1/1/2022	\$1,587,503	\$0	\$1,587,503	\$0	\$0	\$0
Transource	Transource Pennsylvania, LLC	H-29	Formula	1/1/2022	\$7,129,435	\$0	\$7,129,435	\$0	\$0	\$0
Transource	Transource West Virginia, LLC	H-26	Formula	1/1/2022	\$10,472,960	\$0	\$10,472,960	\$0	\$0	\$0
UGI	UGI Utilities, Inc	H-8	Formula	6/1/2021	\$10,423,196	\$10,321,915	\$0	\$101,281	\$0	\$0
TOTAL					\$10,610,138,218	\$9,846,058,192	\$708,396,094	\$53,497,661	\$0	\$2,186,270

Responsible Zone		Current Effective NSPLs (MW)
AEC	Atlantic City Electric Company	2631.0
AEP	AEP East Zone	21925.3
APS	Allegheny Power	8865.0
ATSI	American Transmission Systems, Inc.	12604.2
BGE	Baltimore Gas & Electric Company	6486.0
ComEd	Commonwealth Edison Company	21167.2
Dayton	The Dayton Power & Light Company	3329.9
DEOK	Duke Energy Ohio, Inc. & Duke Energy Kentucky, Inc.	5305.7
DL	Duquesne Light Company	2759.3
Dominion	Virginia Electric & Power Company	20404.5
DPL	Delmarva Power & Light Company	4006.0
EKPC	East Kentucky Power Cooperative, Inc.	2850.8
JCPL	Jersey Central Power & Light Company	6169.1
ME	Metropolitan Edison Company	3071.5
OVEC	Ohio Valley Electric Cooperative	106.0
PECO	PECO Energy Company	8479.1
PENELEC	Pennsylvania Electric Company	2899.5
PEPCO	Potomac Electric Power Company	5829.0
PPL	PPL Electric Utilities Corporation	7516.9
PSEG	Public Service Electric & Gas Company	10064.1
RE	Rockland Electric Compnay	427.4
TOTAL Denominator		156,898

PJM Transmission Owner		Transmission Revenue Requirements (\$/Year)*	Revenue Credits (\$/Year)*			
		NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
AE Coop	Allegheny Electric Cooperative, Inc.	https://agreements.pjm.com/oatt/18396	N/A	N/A	N/A	N/A
AEC	Atlantic City Electric Company	ATT H-1A: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
AEP	AEP East Operating Companies	Zonal Rates: Ln12 Total	Zonal Rates: Ln5 Total	N/A	N/A	N/A
AEP	AEP East Transmission Companies	TransCo PJM Zonal Rates: Ln12 Total	TransCo PJM Zonal Rates: Ln5 To	N/A	N/A	N/A
AMPT	AMP Transmission, LLC (ATSI)	Attachment H-32A: Ln17	N/A	H-32A-WP02 - Revenue Credits: Ln12	N/A	N/A
AMPT	AMP Transmission, LLC (AEP)	Attachment H-32A: Ln17	N/A	H-32A-WP02 - Revenue Credits: Ln12	N/A	N/A
APS	South FirstEnergy Operating Companies	Attachment H-11A Summary: Line 4	TEC Summary Column 3 Sum	H-11A: P1, Col5, Ln4 (for each FE entity)	N/A	N/A
ATSI	American Transmission Systems, Inc.	Attachment H-21-A ATSI: Ln7	Appendix D-TEC: Pg2, Sum Col12	Attachment H-21-A ATSI: Ln3	N/A	Attachment H-21-A ATSI: Ln5a
BGE	Baltimore Gas and Electric Company	ATT H-2A: Ln171	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
ComEd	Commonwealth Edison Company	Appendix A: Ln172	N/A	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
Dayton	The Dayton Power and Light Company	ATT H-15A: Ln171	ATT H-15A: Ln 169	3 - Revenue Credits: Ln14	N/A	N/A
DEOK	Duke Energy Ohio and Duke Energy Kentucky	DEOK: Ln7	N/A	DEOK: Ln3	N/A	N/A
DL	Duquesne Light Company	Appendix A: Ln167	N/A	3 - Revenue Credits: Row 58	N/A	N/A
Dominion	Virginia Electric and Power Company	Appendix A: Ln168 * 1000	N/A	ATT3 - Revenue Credits: Ln5 * 1000	N/A	ATT3 - Revenue Credits: Ln4 * 1000
DPL	Delmarva Power & Light Company	ATT H-3D: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
EKPC	East Kentucky Power Cooperative	EKPC: Ln7	N/A	N/A	N/A	EKPC: Ln4
JCPL	Jersey Central Power & Light Company	ATT H-4A: Ln6	Attachment 11 - TEC: Pg2, Sum C	Attachment 18: Row 25	N/A	N/A
MAIT	Mid-Atlantic Interstate Transmission, LLC	Attachment H-28A MAIT: Ln10	Attachment 11 - TEC: Pg2, Sum C	Attachment 21 - Revenue Credits: Ln3a	N/A	N/A
NAEA	Essential Power Rock Springs, LLC	https://agreements.pjm.com/oatt/23736	N/A	N/A	N/A	N/A
NEET	NextEra Energy Transmission MidAtlantic Indiana	ATT H-33: Line10	N/A	N/A	N/A	N/A
ODEC	Old Dominion Electric Cooperative	ATT H-3F: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
OVEC	Ohio Valley Electric Corporation	https://agreements.pjm.com/oatt/31906	N/A	N/A	N/A	N/A
PATH	Potomac-Appalachian Transmission Highline, LLC	N/A	Attachment H-19A: Ln6 Total	N/A	N/A	N/A
PECO	PECO Energy Company	Attachment H-7: Ln9	Attachment H-7: Ln6	5A - Revenue Credits: Ln5	N/A	N/A
PEPCO	Potomac Electric Power Company	ATT H-9A: Ln172	N/A	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
PPL	PPL Electric Utilities Corporation	Appendix A: Ln148	3 - Revenue Credits: Ln3	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
PSEG	Public Service Electric and Gas Company	Appendix A: Ln164	N/A	3 - Revenue Credits: Ln6	3 - Revenue Credits: Ln5	N/A
RE	Rockland Electric Company	https://agreements.pjm.com/oatt/18408	N/A	N/A	N/A	N/A
SMECO	Southern Maryland Electric Cooperative, Inc.	https://agreements.pjm.com/oatt/30388	N/A	N/A	N/A	N/A
SRE	Silver Run Electric, LLC	N/A	Attachment H-27A: Ln9	N/A	N/A	N/A
TrAILCo	Trans-Allegheny Interstate Line Company	N/A	Appendix A: Ln150	3 - Revenue Credits: Ln5	3 - Revenue Credits: Ln4	N/A
Transource	Transource Maryland, LLC	N/A	Attachment H-30A: Ln10	N/A	N/A	N/A
Transource	Transource Pennsylvania, LLC	N/A	Attachment H-29A: Ln10	N/A	N/A	N/A
Transource	Transource West Virginia, LLC	N/A	Attachment H-26: Ln9	N/A	N/A	N/A
UGI	UGI Utilities, Inc	Attachment H-8C: Ln174	N/A	Attachment 3: Ln5	N/A	N/A

* All endnotes either refer to a hyperlink or to a location within the Transmission Owner's Formula Rate filing.

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document on those parties on the official Service List compiled by the Secretary in these proceedings.

Dated at Audubon, Pennsylvania this 2nd day of December, 2022.

/s/ Jessica M. Lynch
Jessica M. Lynch
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