



PJM Interconnection, L.L.C.
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December 8, 2021

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
2022 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 “2022 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, 2021.³ The 2022 BYC Workbook is included herewith as Appendix A. PJM is submitting this filing for informational purposes.

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).

³ <http://pjm.com/-/media/markets-ops/settlements/border-yearly-charge-workbook-for-2022.ashx>.

I. DESCRIPTION OF INFORMATIONAL FILING

On June 11, 2019, the PJM Transmission Owners submitted, among other things, proposed revisions to the PJM Tariff to 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 the 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. On October 7, 2021, the PJM Transmission Owners and the other settling parties submitted a settlement agreement comprehensively resolving all of the issues set for hearing in this docket; the settling parties proposed an effective date for the proposed Tariff revisions of January 1, 2020. *See Appalachian Power Co.*, Offer of Settlement, Docket No. ER19-2105-003 (Oct. 7, 2021) (“Border Rate Settlement”). The Border Rate Settlement remains pending before the Commission.

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, 2021. 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, 2021, and effective January 1, 2022.

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 2022 on December 1, 2021.⁶ 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, 2022, subject to refund, consistent with the November 2019 Order. In addition, consistent with Tariff, Schedule 7, section 11(E), PJM is submitting this third informational filing to the Commission.⁷ This filing

⁶ See *supra*, n.3.

⁷ PJM submitted filings in November 2019 and December 2020 showing the calculation of the Border Yearly Charge for calendar year 2020 and calendar year 2021, 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).

includes all the information posted on PJM's website relative to the Border Yearly Charge annual update.⁸

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 – 2022 BYC Workbook

⁸ PJM notes that the currently-effective Tariff requires PJM to post to its website the inputs and calculations used to determine the Border Yearly Charge no later than December 1 of each year, which PJM did. *See* Tariff, Schedule 7, section 11(C). Additionally, Tariff, Schedule 7, section 11(E) further provides that “[w]hen [PJM] posts on its website a Border Yearly Charge annual update under subsection (C) . . . , it shall also make an informational filing with FERC that includes such posting,” as submitted herein. To the extent the Commission interprets the Tariff to require PJM to submit the informational filing simultaneously with the posting of the Border Yearly Charge annual update, PJM respectfully requests that the Commission grant any waivers necessary, and accept this informational filing as responsive to its reporting requirements pursuant to Tariff, Schedule 7, section 11(E).

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

2022 BYC Workbook

**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)			
		NITS Rate Attachment	Filing Type	Rate Year	Border Rate TS	NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
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
CornEd	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.

**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	\$4,580

PJM Transmission Owner		PJM OATT	Formula Rate	Start Of	Transmission Revenue Requirements (\$/Year)		Revenue Credits (\$/Year)			
		NITS Rate Attachment	Filing Type	Rate 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	\$51,610,789	\$50,752,270	\$0	\$858,519	\$0	\$0
AEP	AEP East Operating Companies	H-14	Formula	1/1/2022	\$123,621,616	\$124,095,790	-\$474,174	\$0	\$0	\$0
AEP	AEP East Transmission Companies	H-20	Formula	1/1/2022	\$241,959,265	\$240,232,851	\$1,726,414	\$0	\$0	\$0
AMPT	AMP Transmission, LLC (ATSI)	H-32	Formula	1/1/2022	\$3,420,089	\$3,399,542	\$0	\$20,547	\$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 First Energy Operating Companies/Allegheny	H-11	Stated	1/1/2022	\$54,682,888	\$33,006,850	\$20,189,292	\$1,486,746	\$0	\$0
ATSI	American Transmission Systems, Inc.	H-21	Formula	1/1/2022	\$12,910,461	\$14,406,517	-\$4,230,930	\$2,737,066	\$0	-\$2,192
BGE	Baltimore Gas and Electric Company	H-2	Formula	6/1/2021	\$65,809,818	\$64,494,413	\$0	\$1,315,405	\$0	\$0
ComEd	Commonwealth Edison Company	H-13	Formula	6/1/2021	\$45,137,438	\$45,137,438	\$0	\$0	\$0	\$0
Dayton	The Dayton Power and Light Company	H-15	Formula	1/1/2022	\$1,610,873	-\$1,272,037	\$2,560,908	\$322,002	\$0	\$0
DEOK	Duke Energy Ohio and Duke Energy Kentucky	H-22	Formula	6/1/2021	\$16,040,143	\$15,003,627	\$0	\$1,036,516	\$0	\$0
DL	Duquesne Light Company	H-17	Formula	6/1/2021	-\$4,307,139	-\$5,259,001	\$0	\$951,863	\$0	\$0
Dominion	Virginia Electric and Power Company	H-16	Formula	1/1/2022	\$32,953,612	\$33,114,312	\$0	\$0	\$0	-\$160,700
DPL	Delmarva Power & Light Company	H-3	Formula	6/1/2021	\$52,781,058	\$51,868,986	\$0	\$912,072	\$0	\$0
EKPC	East Kentucky Power Cooperative	H-24	Formula	6/1/2021	\$10,962,776	\$10,958,240	\$0	\$0	\$0	\$4,536
JCPL	Jersey Central Power & Light Company	H-4	Formula	1/1/2022	\$629,096	\$1,257,321	-\$1,227,113	\$598,888	\$0	\$0
MAIT	Mid-Atlantic Interstate Transmission, LLC	H-28	Formula	1/1/2022	-\$437,492	-\$25,765,718	\$24,417,297	\$910,930	\$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	\$890,456	\$890,456	\$0	\$0	\$0	\$0
ODEC	Old Dominion Electric Cooperative	H-3	Formula	6/1/2021	\$1,592,858	\$1,592,858	\$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	-\$12,003,269	\$0	-\$12,003,269	\$0	\$0	\$0
PECO	PECO Energy Company	H-7	Formula	6/1/2021	\$28,573,970	\$23,985,057	\$3,706,424	\$882,488	\$0	\$0
PEPCO	Potomac Electric Power Company	H-9	Formula	6/1/2021	\$13,030,089	\$11,927,281	\$0	\$1,102,808	\$0	\$0
PPL	PPL Electric Utilities Corporation	H-8	Formula	6/1/2021	\$112,537,331	\$110,887,382	-\$2,574,824	\$4,224,773	\$0	\$0
PSEG	Public Service Electric and Gas Company	H-10	Formula	1/1/2022	\$108,378,185	\$107,378,185	\$0	\$1,000,000	\$0	\$0
RE	Rockland Electric Company	H-12	Stated	N/A	\$0	\$0	\$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	\$1,476,304	\$0	\$1,476,304	\$0	\$0	\$0
TrAILCo	Trans-Allegheny Interstate Line Company	H-18	Formula	6/1/2021	-\$14,194,369	\$0	-\$15,891,913	\$1,697,544	\$0	\$0
Transource	Transource Maryland, LLC	H-30	Formula	1/1/2022	-\$325,382	\$0	-\$325,382	\$0	\$0	\$0
Transource	Transource Pennsylvania, LLC	H-29	Formula	1/1/2022	-\$3,416,942	\$0	-\$3,416,942	\$0	\$0	\$0
Transource	Transource West Virginia, LLC	H-26	Formula	1/1/2022	-\$582,955	\$0	-\$582,955	\$0	\$0	\$0
UGI	UGI Utilities, Inc	H-8	Formula	6/1/2021	\$2,664,110	\$2,562,829	\$0	\$101,281	\$0	\$0
TOTAL					\$949,250,129	\$915,899,900	\$13,349,137	\$20,159,449	\$0	-\$158,356

Responsible Zone		Current Effective NSPLs (MW)
AEC	Atlantic City Electric Company	-3.5
AEP	AEP East Zone	310.4
APS	Allegheny Power	227.4
ATSI	American Transmission Systems, Inc.	139.0
BGE	Baltimore Gas & Electric Company	-214.3
ComEd	Commonwealth Edison Company	947.2
Dayton	The Dayton Power & Light Company	21.1
DEOK	Duke Energy Ohio, Inc. & Duke Energy Kentucky, Inc.	330.7
DL	Duquesne Light Company	91.8
Dominion	Virginia Electric & Power Company	343.9
DPL	Delmarva Power & Light Company	-79.6
EKPC	East Kentucky Power Cooperative, Inc.	131.1
JCPL	Jersey Central Power & Light Company	265.9
ME	Metropolitan Edison Company	95.2
OVEC	Ohio Valley Electric Cooperative	-2.0
PECO	PECO Energy Company	331.2
PENELEC	Pennsylvania Electric Company	-11.8
PEPCO	Potomac Electric Power Company	-57.6
PPL	PPL Electric Utilities Corporation	256.9
PSEG	Public Service Electric & Gas Company	506.8
RE	Rockland Electric Compnay	29.9
TOTAL Denominator		3,660

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.					
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)	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 entit		
ATSI	American Transmission Systems, Inc.					
BGE	Baltimore Gas and Electric Company					
ComEd	Commonwealth Edison Company					
Dayton	The Dayton Power and Light Company	ATT H-15A: Ln171	ATT H-15A: Ln 169	3 - Revenue Credits: Ln14		
DEOK	Duke Energy Ohio and Duke Energy Kentucky					
DL	Duquesne Light Company					
Dominion	Virginia Electric and Power Company					
DPL	Delmarva Power & Light Company					
EKPC	East Kentucky Power Cooperative					
JCPL	Jersey Central Power & Light Company	ATT H-4A: Ln6		Attachment 18: Row 25		
MAIT	Mid-Atlantic Interstate Transmission, LLC					
NAEA	Essential Power Rock Springs, LLC					
NEET	NextEra Energy Transmission MidAtlantic Indiana	ATT H-33: Line10	N/A	N/A	N/A	N/A
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					
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	Attachment H-8C: Ln174		Attachment 3: Ln5		

* 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, 2020 Data)**

Point of Delivery	Yearly Charge (\$/MW-Yr)
Border of PJM	\$63,045

PJM Transmission Owner		PJM OATT	Formula Rate	Start Of	Transmission Revenue Requirements (\$/Year)		Revenue Credits (\$/Year)			
		NITS Rate Attachment	Filing Type	Rate Year	Border Rate TS	NITS	Schedule 12	P2P TS	Non-Zone Load	Other Agreements For Transmission Service
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	6/1/2020	\$126,033,475	\$125,075,638	\$0	\$957,837	\$0	\$0
AEP	AEP East Operating Companies	H-14	Formula	1/1/2021	\$1,030,680,027	\$988,705,401	\$41,974,626	\$0	\$0	\$0
AEP	AEP East Transmission Companies	H-20	Formula	1/1/2021	\$1,224,226,245	\$1,076,305,686	\$147,920,559	\$0	\$0	\$0
AMPT	AMP Transmission, LLC (ATSI)	H-32	Formula	1/1/2021	\$4,333,451	\$4,305,451	\$0	\$28,000	\$0	\$0
APS	Allegheny Power	H-11	Stated	N/A	\$128,000,000	\$128,000,000	\$0	\$0	\$0	\$0
ATSI	American Transmission Systems, Inc.	H-21	Formula	1/1/2021	\$867,120,884	\$827,673,490	\$33,575,680	\$5,606,007	\$0	\$265,707
BGE	Baltimore Gas and Electric Company	H-2	Formula	6/1/2020	\$211,430,716	\$209,965,347	\$0	\$1,465,369	\$0	\$0
CornEd	Commonwealth Edison Company	H-13	Formula	6/1/2020	\$718,149,481	\$718,149,481	\$0	\$0	\$0	\$0
Dayton	The Dayton Power and Light Company	H-15	Formula	1/1/2021	\$64,822,880	\$62,576,238	\$1,980,600	\$266,042	\$0	\$0
DEOK	Duke Energy Ohio and Duke Energy Kentucky	H-22	Formula	6/1/2020	\$160,111,434	\$159,235,526	\$0	\$875,908	\$0	\$0
DL	Duquesne Light Company	H-17	Formula	6/1/2020	\$142,211,787	\$141,278,388	\$0	\$933,398	\$0	\$0
Dominion	Virginia Electric and Power Company	H-16	Formula	1/1/2021	\$1,248,247,568	\$1,246,270,639	\$0	\$0	\$0	\$1,976,929
DPL	Delmarva Power & Light Company	H-3	Formula	6/1/2020	\$132,316,175	\$131,185,124	\$0	\$1,131,051	\$0	\$0
EKPC	East Kentucky Power Cooperative	H-24	Formula	6/1/2020	\$67,231,689	\$67,129,699	\$0	\$0	\$0	\$101,990
JCPL	Jersey Central Power & Light Company	H-4	Formula	1/1/2021	\$188,422,254	\$165,360,691	\$21,979,249	\$1,082,314	\$0	\$0
MAIT	Mid-Atlantic Interstate Transmission, LLC	H-28	Formula	1/1/2021	\$315,047,802	\$295,135,116	\$18,189,712	\$1,722,973	\$0	\$0
NAEA	Essential Power Rock Springs, LLC	H-23	Stated	N/A	\$1,089,401	\$1,089,401	\$0	\$0	\$0	\$0
ODEC	Old Dominion Electric Cooperative	H-3	Formula	6/1/2020	\$4,041,933	\$4,041,933	\$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	1/1/2021	\$13,696,374	\$0	\$13,696,374	\$0	\$0	\$0
PECO	PECO Energy Company	H-7	Formula	6/1/2020	\$161,855,397	\$135,037,645	\$25,739,263	\$1,078,490	\$0	\$0
PEPCO	Potomac Electric Power Company	H-9	Formula	6/1/2020	\$157,676,529	\$156,396,464	\$0	\$1,280,065	\$0	\$0
PPL	PPL Electric Utilities Corporation	H-8	Formula	6/1/2020	\$678,394,360	\$586,051,405	\$89,102,497	\$3,240,458	\$0	\$0
PSEG	Public Service Electric and Gas Company	H-10	Formula	1/1/2021	\$1,657,668,896	\$1,645,668,896	\$0	\$12,000,000	\$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	1/1/2021	\$23,622,243	\$0	\$23,622,243	\$0	\$0	\$0
TrAILCo	Trans-Allegheny Interstate Line Company	H-18	Formula	6/1/2020	\$255,421,279	\$0	\$253,750,978	\$1,670,301	\$0	\$0
Transource	Transource Maryland, LLC	H-30	Formula	1/1/2021	\$1,912,885	\$0	\$1,912,885	\$0	\$0	\$0
Transource	Transource Pennsylvania, LLC	H-29	Formula	1/1/2021	\$10,546,377	\$0	\$10,546,377	\$0	\$0	\$0
Transource	Transource West Virginia, LLC	H-26	Formula	1/1/2021	\$11,055,915	\$0	\$11,055,915	\$0	\$0	\$0
UGI	UGI Utilities, Inc	H-8	Formula	6/1/2020	\$7,759,086	\$7,759,086	\$0	\$0	\$0	\$0
TOTAL					\$9,660,888,089	\$8,930,158,293	\$695,046,958	\$33,338,212	\$0	\$2,344,626

Responsible Zone		Current Effective NSPLs (MW)
AEC	Atlantic City Electric Company	2634.5
AEP	AEP East Zone	21614.9
APS	Allegheny Power	8637.6
ATSI	American Transmission Systems, Inc.	12465.2
BGE	Baltimore Gas & Electric Company	6700.3
ComEd	Commonwealth Edison Company	20220.0
Dayton	The Dayton Power & Light Company	3308.8
DEOK	Duke Energy Ohio, Inc. & Duke Energy Kentucky, Inc.	4975.0
DL	Duquesne Light Company	2667.5
Dominion	Virginia Electric & Power Company	20060.6
DPL	Delmarva Power & Light Company	4085.6
EKPC	East Kentucky Power Cooperative, Inc.	2719.7
JCPL	Jersey Central Power & Light Company	5903.2
ME	Metropolitan Edison Company	2976.3
OVEC	Ohio Valley Electric Cooperative	108.0
PECO	PECO Energy Company	8147.9
PENELEC	Pennsylvania Electric Company	2911.3
PEPCO	Potomac Electric Power Company	5886.6
PPL	PPL Electric Utilities Corporation	7260.0
PSEG	Public Service Electric & Gas Company	9557.3
RE	Rockland Electric Company	397.5
TOTAL Denominator		153,238

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	
APS	Allegheny Power	https://agreements.pjm.com/oatt/18406	N/A	N/A	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: Ln190	ATT H-15A: Ln 188	3 - Revenue Credits: Ln20	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: Ln10	Attachment 11 - TEC: Pg2, Sum C	ATT H-4A: Ln 4	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	
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: Ln171	N/A	Attachment 3: Ln4	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 8th day of December, 2021.

/s/ Jessica M. Lynch

Jessica M. Lynch

Assistant General Counsel

PJM Interconnection, L.L.C.

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