

October 15, 2020

To: Parties to FERC Docket No. ER15-303

**Re: American Transmission Systems, Incorporated
PJM Open Access Transmission Tariff, Attachment H-21
Projected Transmission Revenue Requirement for Rate Year 2021**

Pursuant to section II.D of the Formula Rate Implementation Protocols (“Protocols”) set forth in Attachment H-21B of the PJM Open Access Transmission Tariff (“PJM OATT”),¹ American Transmission Systems, Incorporated (“ATSI”) is submitting a Projected Transmission Revenue Requirement for Rate Year 2021 (“2021 PTRR”) to PJM for posting.

The 2021 PTRR was developed pursuant to the ATSI formula rate as set forth in Attachment H-21 of the PJM OATT. A copy of the 2021 PTRR is attached. It includes a workable data-populated formula rate template and underlying workpapers in native format with all formulas and links intact.

ATSI has asked PJM to post a copy of the 2021 PTRR to the formula rates section of its internet site, located at:

<http://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx>

Pursuant to section II.I of the Protocols, ATSI shall hold an open meeting among Interested Parties (“Annual Projected Rate Meeting”) no earlier than ten (10) business days following this posting and no later than November 15. No fewer than seven (7) days prior to such Annual Projected Rate Meeting, ATSI shall provide notice on PJM’s website of the time, date, and webcast registration information of the Annual Projected Rate Meeting.

¹ PJM Interconnection, L.L.C., FERC Electric Tariff, Sixth Revised Volume No. 1.

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

American Transmission Systems, Inc.

Line No.				Allocated Amount
1	GROSS REVENUE REQUIREMENT (page 3, line 29, col 5)			\$ 830,283,381
	REVENUE CREDITS (Note T)	Total	Allocator	
2a	Account No. 451 (page 4, line 34)	-	TP 1.00000	-
2b	Account No. 454 (page 4, line 35)	6,513,166	TP 1.00000	6,513,166
3	Account No. 456 (page 4, line 36)	5,606,007	TP 1.00000	5,606,007
4a	Revenues from Grandfathered Interzonal Transactions		TP 1.00000	-
4b	Revenues from service provided by the ISO at a discount		TP 1.00000	-
5a	Legacy MTEP Credit (Appendix E, page 2, line 3, col. 12)	265,707	TP 1.00000	265,707
5b	Reserved	-	TP 1.00000	-
5c	Reserved	-	TP 1.00000	-
5d	Transmission Enhancement Credit (Appendix D, page 2, line 2, col. 10)	29,200,981	TP 1.00000	29,200,981
6a	TOTAL REVENUE CREDITS (sum lines 2a-5d)	41,585,861		41,585,861
6b	TRUE-UP ADJUSTMENT WITH INTEREST (Protocols)			38,975,970
7	NET REVENUE REQUIREMENT (line 1 minus line 6a plus line 6b)			827,673,490
	DIVISOR			Total
8	1 Coincident Peak (CP) (MW)		(Note A)	12,465.2
9	Average 12 CPs (MW)		(Note B)	10,142.0
10	Reserved			-
11	Reserved			-
12	Reserved			-
13	Reserved			-
14	Reserved			-
15	Reserved			-
16	Annual Network Rate (\$/MW/Yr) (line 7 / line 8)	Total 66,398.73		
		Peak Rate		Off-Peak Rate
		Total		Total
17	Point-To-Point Rate (\$/MW/Year) (line 7 / line 9)	81,608.56		81,608.56
18	Point-To-Point Rate (\$/MW/Month) (line 17/12)	6,800.71		6,800.71
19	Point-To-Point Rate (\$/MW/Week) (line 17/52)	1,569.40		1,569.40
20	Point-To-Point Rate (\$/MW/Day) (line 19/5; line 19/7)	313.88		224.20
21	Point-To-Point Rate (\$/MWh) (line 17/4,160; line 17/8,760)	19.62		9.32

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col 3 times Col 4)
	RATE BASE:				
	GROSS PLANT IN SERVICE				
1	Production	205.46.g (Notes U & X)	-	NA	
2	Transmission	207.58.g (Notes U & X)	5,167,031,424	TP	1.00000
3	Distribution	207.75.g (Notes U & X)	-	NA	
4	General & Intangible	205.5.g & 207.99.g (Notes U & X)	311,560,759	W/S	1.00000
5	Common	356.1 (Notes U & X)	-	CE	1.00000
6	TOTAL GROSS PLANT (sum lines 1-5)		5,478,592,184	GP=	100.000%
	ACCUMULATED DEPRECIATION				
7	Production	219.20-24.c (Notes U & X)	-	NA	
8	Transmission	219.25.c (Notes U & X)	1,117,634,556	TP	1.00000
9	Distribution	219.26.c (Notes U & X)	-	NA	
10	General & Intangible	200.21.c & 219.28.c (Notes U & X)	98,650,398	W/S	1.00000
11	Common	356.1 (Notes U & X)	-	CE	1.00000
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		1,216,284,954		
	NET PLANT IN SERVICE				
13	Production	(line 1- line 7)	-		
14	Transmission	(line 2- line 8)	4,049,396,868		
15	Distribution	(line 3 - line 9)	-		
16	General & Intangible	(line 4 - line 10)	212,910,362		
17	Common	(line 5 - line 11)	-		
18	TOTAL NET PLANT (sum lines 13-17)		4,262,307,230	NP=	100.000%
	ADJUSTMENTS TO RATE BASE (Note F)				
19	Account No. 281 (enter negative)	273.8.k	-	NA	
20	Account No. 282 (enter negative)	275.2.k	(963,510,985)	NP	1.00000
21	Account No. 283 (enter negative)	277.9.k	(189,726,251)	NP	1.00000
22	Account No. 190	234.8.c	277,185,985	NP	1.00000
23	Account No. 255 (enter negative)	267.8.h	-	NP	1.00000
23a	Unamortized Regulatory Asset	Appendices B, C, & F, Line 14, Column H (Notes X & EE)	98,097,626	DA	1.00000
24	TOTAL ADJUSTMENTS (sum lines 19- 23a)		(777,953,625)		
25	LAND HELD FOR FUTURE USE	214.x.d (Notes G & Y)	-	TP	1.00000
	WORKING CAPITAL (Note H)				
26	CWC	calculated	16,218,101		
27	Materials & Supplies (Note G)	227.8.c & .16.c (Note Y)	687,321	TE	0.92974
28a	Prepayments (Account 165)	111.57.c (Notes Y & CC)	1,937,879	GP	1.00000
28b	Unfunded Reserve Plant-related (enter negative) (Acct Nos. 228.1-228.4, 242) (Notes Y & Z)		-	NP	1.00000
28c	Unfunded Reserve Labor-related (enter negative) (Acct Nos. 228.1-228.4, 242) (Notes Y & Z)		-	W/S	1.00000
29	TOTAL WORKING CAPITAL (sum lines 26 - 28c)		18,843,302		
30	RATE BASE (sum lines 18, 24, 25, & 29)		3,503,196,907		

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col 3 times Col 4)	
	O&M (Note DD)					
1	Transmission	321.112.b	116,571,534	TE	0.92974	108,380,814
1a	Less LSE Expenses Included in Transmission O&M Accounts	(Note W)	-		1.00000	-
2	Less Account 565	321.96.b	-		1.00000	-
2a	Less Deferred Internal Integration Costs	(Note C)	-	TE	0.92974	-
3	A&G	323.197.b (Note BB)	13,370,142	W/S	1.00000	13,370,142
4	Less FERC Annual Fees		-	W/S	1.00000	-
5	Less EPRI & Reg. Comm. Exp. & Non-safety Ad.	(Note I)	196,865	W/S	1.00000	196,865
5a	Plus Transmission Related Reg. Comm. Exp.	(Note I)	-	TE	0.92974	-
6	Common	356.1	-	CE	1.00000	-
6a	Amortization of Regulatory Asset	Appendices B, C, & F, Line 14, Column F (Note EE)	10,326,066	DA	1.00000	10,326,066
7	Transmission Lease Payments		-		1.00000	-
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 6a, 7 less 1a, 2, 2a, 4, 5)		140,070,877			131,880,158
	DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.b (Note U)	124,569,406	TP	1.00000	124,569,406
10	General & Intangible	336.1.f & 336.10.f (Note U)	25,319,485	W/S	1.00000	25,319,485
11	Common	336.11.b (Note U)	-	CE	1.00000	-
12	TOTAL DEPRECIATION (sum lines 9 - 11)		149,888,891			149,888,891
	TAXES OTHER THAN INCOME TAXES (Note J)					
	LABOR RELATED					
13	Payroll	263.i	487,307	W/S	1.00000	487,307
14	Highway and vehicle	263.i	1,645	W/S	1.00000	1,645
15	PLANT RELATED					
16	Property	263.i	225,905,107	GP	1.00000	225,905,107
17	Gross Receipts	263.i	278,961	NA		-
18	Other	263.i	20,306	GP	1.00000	20,306
19	Payments in lieu of taxes		-	GP	1.00000	-
20	TOTAL OTHER TAXES (sum lines 13 - 19)		226,693,325			226,414,364
	INCOME TAXES (Note K)					
21	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		22.71%			
22	$CIT=(T/(1-T)) * (1-(WCLTD/R)) =$		22.57%			
	where WCLTD=(page 4, line 27) and R=(page 4, line30) and FIT, SIT & p are as given in footnote K.					
23	$1 / (1 - T) =$ (from line 21)		1.2939			
24	Amortized Investment Tax Credit (266.8.f) (enter negative)		(433,385)			
25	Income Tax Calculation = line 22 * line 28		64,073,136	NA		64,053,527
26	ITC adjustment (line 23 * line 24)		(560,747)	NP	1.00000	(560,747)
26a	Tax Effect of Permanent Differences and AFUDC Equity (App G, line 1, col 5) (Note FF)		1,163,502	DA	1.00000	1,163,502
26b	(Excess)/Deficient Deferred Income Taxes (App G, lines 2 & 3, col 3) (Note GG)		(26,370,618)	DA	1.00000	(26,370,618)
27	Total Income Taxes (sum lines 25 through 26b)		38,305,273			38,285,663
28	RETURN [Rate Base (page 2, line 30) * Rate of Return (page 4, line 30)]		283,901,192	NA		283,814,305
29	GROSS REV. REQUIREMENT (sum lines 8, 12, 20, 27, 28)		838,859,557			830,283,381

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

American Transmission Systems, Inc.

SUPPORTING CALCULATIONS AND NOTES

Line No.	(1)	(2)	(3)	(4)	(5)	(6)
TRANSMISSION PLANT INCLUDED IN ISO RATES						
1	Total transmission plant (page 2, line 2, column 3)					5,167,031,424
2	Less transmission plant excluded from ISO rates (Note M)					-
3	Less transmission plant included in OATT Ancillary Services (Note N)					-
4	Transmission plant included in ISO rates (line 1 less lines 2 & 3)					5,167,031,424
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)				TP=	1.00000
TRANSMISSION EXPENSES						
6	Total transmission expenses (page 3, line 1, column 3)					116,571,534
7	Less transmission expenses included in OATT Ancillary Services (Note L)					8,190,720
8	Included transmission expenses (line 6 less line 7)					108,380,814
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.92974
10	Percentage of transmission plant included in ISO Rates (line 5)				TP	1.00000
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)				TE=	0.92974
WAGES & SALARY ALLOCATOR (W&S)						
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	-	0.00	-	
13	Transmission	354.21.b	1	1.00	1	
14	Distribution	354.23.b	-	0.00	-	W&S Allocator
15	Other	354.24,25,26.b	-	0.00	-	(\$ / Allocation)
16	Total (sum lines 12-15)		1		1	= 1.00000 = WS
COMMON PLANT ALLOCATOR (CE) (Note O)						
			\$		% Electric	W&S Allocator
17	Electric	200.3.c	1		(line 17 / line 20)	(line 16)
18	Gas	201.3.d	-		1.00000 *	1.00000
19	Water	201.3.e	-			=
20	Total (sum lines 17 - 19)		1			CE 1.00000
RETURN (R)						
21	Long Term Interest (117, sum of 62c through 67c) (Note AA)					\$ 67,551,777
22	Preferred Dividends (118.29c) (positive number)					
Development of Common Stock:						
23	Proprietary Capital (112.16c) (Note X)					2,153,924,161
24	Less Preferred Stock (line 28)					-
25	Less Account 216.1 (112.12c) (enter negative) (Note X)					-
26	Common Stock (sum lines 23-25)					2,153,924,161
			\$	%	Cost (Note P)	Weighted
27	Long Term Debt (112, sum of 18 through 21) (Note X)		1,438,461,538	40%	0.0470	0.0188 =WCLTD
28	Preferred Stock (112.3d) (Note X)		-	0%	0.0000	0.0000
29	Common Stock (line 26)		2,153,924,161	60%	0.1038	0.0622
30	Total (sum lines 27-29)		3,592,385,699			0.0810 =R
REVENUE CREDITS						
ACCOUNT 447 (SALES FOR RESALE)						
31	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)	(Note Q)			-
32	b. Bundled Sales for Resale included in Divisor on page 1					-
33	Total of line 31 less line 32					-
34	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)	(300.17.b)				-
35	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)	(300.19.b)				6,513,166
36	ACCOUNT 456 (OTHER ELECTRIC REVENUES) (Note V)	(330.x.n)				5,606,007

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

American Transmission Systems, Inc.

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)
References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note
Letter

- A As provided by PJM and in effect at the time of the annual rate calculations pursuant to Section 34.1 of the PJM OATT.
- B Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates.
- C Amount shown in Exhibit No. FE-100, Page 29 of 33, for Deferred Internal Integration Costs.
- D Reserved
- E Reserved
- F The balances in Accounts 190, 281, 282 and 283 should exclude all FASB 106 or 109 related amounts. For example, any and all amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109 should be excluded. The balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated. Account 190 excludes any amounts relating to Charitable Contribution Limitations, Asset Retirement Obligations, and FAS 123 impacts related to Performance Shares and Restricted Stock Units. Accounts 282 and 283 exclude any amounts relating to AFUDC, offsets relating to Asset Retirement Obligations in Account 190, and offsets relating to Charitable Contribution Limitations in Account 190. Account 282 also excludes (i) Extraordinary Property Losses; and (ii) any Asset Impairment amounts incurred on or after January 1, 2015. For either (i) or (ii) above, ATSI is not precluded from requesting FERC approval through a section 205 filing for inclusion in the rate calculation.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 8, column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1.
- I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/1-T) (page 3, line 26).
- | | | |
|------------------|-------|---|
| Inputs Required: | FIT = | 21.00% |
| | SIT = | 2.17% (State Income Tax Rate or Composite SIT) |
| | p = | (percent of federal income tax deductible for state purposes) |
- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.BA.
- M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
- N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- O Enter dollar amounts
- P Debt cost rate = long-term interest (line 21) / long term debt (line 27). Preferred cost rate = preferred dividends (line 22) / preferred outstanding (line 28). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. Per the Settlement Agreement approved by order dated October 29, 2015, in Docket No. ER15-303-000, ATSI's stated ROE is set to: (a) 12.38% through June 30, 2015; (b) 11.06% for the period July 1, 2015 through December 31, 2015; and (c) 10.38% for the period commencing January 1, 2016.
- Q Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
- R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- S Excludes revenues unrelated to transmission services.
- T The revenues credited on page 1, lines 2a-4b shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenues on lines 5a-5d are supported by separate references for each item.
- U Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. Depreciation Rates: FERC Account 352 Depr %: 2.24%; FERC Account 353 Depr %: 2.06%; FERC Account 354 Depr %: 2.24%; FERC Account 355 Depr %: 3.09%; FERC Account 356 Depr %: 2.69%; FERC Account 357 Depr %: 2.00%; FERC Account 358 Depr %: 2.04%; FERC Account 359 Depr %: 1.33%. No change to these Depreciation Rates may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act.
- V On Line 36, enter revenues from RTO settlements that are associated with NITS and firm Point-to-Point Service for which the load is not included in the divisor to derive ATSI's zonal rates. Exclude non-firm Point-to-Point revenues, and revenues related to MTEP and RTEP projects. Include revenues and revenue adjustments associated with Docket EL02-111, and revenue credit adjustments related to ATSI's PJM integration as supported by Appendix G.
- W Account Nos. 561.4, 561.8, and 575.7 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements.
- X Calculate using a 13 month average balance.
- Y Calculate using average of beginning and end of year balance.
- Z Only include from Account No. 242 amounts relating to Vacation Accruals and Employee Incentive Compensation.
- AA Short-term debt and related interest expense shall not be included in the formula rate calculation.
- BB A&G excludes any credit facility fees charged to Account 930.2. PBOP included in FERC Acct. 926, as reported in FERC Form 1 page 323.187.b, is included in the Administrative & General Expenses input to Attachment H-21A, page 3 of 5, line 3. The total PBOP amount in FERC Acct. 926 is \$0, per company records. No change to this PBOP amount may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act.
- CC Prepayments shall exclude prepayments of taxes attributable to time periods ending before the beginning of the time period for which the rate calculation is being made.
- DD ATSI will exclude (i) Extraordinary Property Losses; and (ii) any Asset Impairment amounts incurred on or after January 1, 2015. For either (i) or (ii) above, ATSI is not precluded from requesting FERC approval through a section 205 filing for inclusion in the rate calculation.
- EE Regulatory Assets include Vegetation Management from Appendix B-Veg, RTO Realignment Cost Adjustments ("RRCA") from Appendix C-RRCA, and Legacy MTEP Debits from Appendix F-MTEP Debits. Each regulatory asset amortization period is 10 years beginning January 1, 2021; this amortization will be in Account 407.3.
- FF Includes the annual income tax cost or benefits due to permanent differences or differences between the amounts of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction.
- GG Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes.

Schedule 1A Rate Calculation

1	\$ 8,190,720	Attachment H-21A, Page 4, Line 7
2	\$ 117,336	Revenue Credits for Sched 1A - Note A
3	\$ 8,073,384	Net Schedule 1A Expenses (Line 1 - Line 2)
4	63,518,688	Annual MWh in ATSI Zone - Note B
5	\$ 0.1271	Schedule 1A rate \$/MWh (Line 3/ Line 4)

Note:

- A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of ATSI's zone during the year used to calculate rates under Attachment H-21A.
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the ATSI zone. Data from RTO settlement systems for the calendar year prior to the rate year.

Vegetation Management Regulatory Asset
To be completed in conjunction with Attachment H-21A

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
	<u>Monthly Balance</u>	<u>Source</u>	<u>Months Remaining in Amortization Period</u>	<u>Beginning Balance</u> (= prior month col [H])	<u>Amortization Expense</u> (= [E] / [D])	<u>Additions (Deductions)</u>	<u>Ending Balance</u> (= [E] - [F] + [G])	
1	December	2020 Form No. 1 p232	121				18,691,640	
2	January	2021 FERC Account 182.3	120	18,691,640	155,764	-	18,535,876	
3	February	2021 FERC Account 182.3	119	18,535,876	155,764	-	18,380,113	
4	March	2021 FERC Account 182.3	118	18,380,113	155,764	-	18,224,349	
5	April	2021 FERC Account 182.3	117	18,224,349	155,764	-	18,068,585	
6	May	2021 FERC Account 182.3	116	18,068,585	155,764	-	17,912,822	
7	June	2021 FERC Account 182.3	115	17,912,822	155,764	-	17,757,058	
8	July	2021 FERC Account 182.3	114	17,757,058	155,764	-	17,601,294	
9	August	2021 FERC Account 182.3	113	17,601,294	155,764	-	17,445,531	
10	September	2021 FERC Account 182.3	112	17,445,531	155,764	-	17,289,767	
11	October	2021 FERC Account 182.3	111	17,289,767	155,764	-	17,134,003	
12	November	2021 FERC Account 182.3	110	17,134,003	155,764	-	16,978,240	
13	December	2021 Form No. 1 p232 and company records	109	16,978,240	155,764	-	16,822,476	
14				Total =	1,869,164	13-mos. Avg =	17,757,058	
15				(sum lines 2-13)		(sum lines 1-13) / 13		
16				Input to Attachment H-21A:	page 3 of 5, line 6a	page 2 of 5, line 23a		

RTO Realignment Cost Adjustment ("RRCA")
To be completed in conjunction with Attachment H-21A

	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
	<u>Monthly Balance</u>	<u>Source</u>	<u>Months Remaining in Amortization Period</u>	<u>Beginning Balance</u> (= prior month col [H])	<u>Amortization Expense</u> (= [E] / [D])	<u>Additions (Deductions)</u>	<u>Ending Balance</u> (= [E] - [F] + [G])	
1	December	2020 Form No. 1 p232	121				44,835,869	
2	January	2021 FERC Account 182.3	120	44,835,869	373,632	-	44,462,237	
3	February	2021 FERC Account 182.3	119	44,462,237	373,632	-	44,088,605	
4	March	2021 FERC Account 182.3	118	44,088,605	373,632	-	43,714,972	
5	April	2021 FERC Account 182.3	117	43,714,972	373,632	-	43,341,340	
6	May	2021 FERC Account 182.3	116	43,341,340	373,632	-	42,967,708	
7	June	2021 FERC Account 182.3	115	42,967,708	373,632	-	42,594,076	
8	July	2021 FERC Account 182.3	114	42,594,076	373,632	-	42,220,443	
9	August	2021 FERC Account 182.3	113	42,220,443	373,632	-	41,846,811	
10	September	2021 FERC Account 182.3	112	41,846,811	373,632	-	41,473,179	
11	October	2021 FERC Account 182.3	111	41,473,179	373,632	-	41,099,547	
12	November	2021 FERC Account 182.3	110	41,099,547	373,632	-	40,725,914	
13	December	2021 Form No. 1 p232 and company records	109	40,725,914	373,632	-	40,352,282	
14				Total =	4,483,587	13-mos. Avg =	42,594,076	
15				(sum lines 2-13)		(sum lines 1-13) / 13		
16				Input to Attachment H-21A:	page 3 of 5, line 6a	page 2 of 5, line 23a		

Transmission Enhancement Credit
To be completed in conjunction with Attachment H-21A

Line No.	(1)	(2)	(3)	(4)
		Reference	Transmission	Allocator
1	Gross Transmission Plant - Total	Attach. H-21A, p. 2, line 2, col. 5 (Note A)	\$ 5,167,031,424	
2	Net Transmission Plant - Total	Attach. H-21A, p. 2, line 14, col. 5 (Note B)	\$ 4,049,396,868	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach. H-21A, p. 3, line 8, col. 5	\$ 131,880,158	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	2.552339%	2.552339%
TAXES OTHER THAN INCOME TAXES				
5	Total Other Taxes	Attach. H-21A, p. 3, line 20, col. 5	\$ 226,414,364	
6	Annual Allocation Factor for Other Taxes	(line 5 divided by line 1, col. 3)	4.381904%	4.381904%
7	Annual Allocation Factor for Expense	Sum of line 4 and 6		6.934243%
INCOME TAXES				
8	Total Income Taxes	Attach. H-21A, p. 3, line 27, col. 5	\$ 38,285,663	
9	Annual Allocation Factor for Income Taxes	(line 8 divided by line 2, col. 3)	0.945466%	0.945466%
RETURN				
10	Return on Rate Base	Attach. H-21A, p. 3, line 28, col. 5	\$ 283,814,305	
11	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2, col. 3)	7.008804%	7.008804%
12	Annual Allocation Factor for Return	Sum of line 9 and 11		7.954270%

Transmission Enhancement Credit
To be completed in conjunction with Attachment H-21A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-up Adjustment	Annual Revenue Requirement with True-up
			(Note C) (Page 1, line 7)	(Col. 3 * Col. 4)		(Note D) (Page 1, line 12)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Appendix D-True-up Col. i)	(Sum Col. 10 & 11) (Note F)	
1a	New Mansfield 69kV Switching Station	b1587	\$ 11,505,891	6.934243%	\$ 797,846.42	\$ 10,363,108	7.954270%	\$ 824,309.58	\$ 295,885	\$ 1,918,041	\$ 64,968	\$ 1,983,009
1b	Re-conductor Galton-GM Mansfield-Ontario-Cairns	b1920	\$ 18,619,979	6.934243%	\$ 1,291,154.59	\$ 16,119,700	7.954270%	\$ 1,282,204.48	\$ 524,637	\$ 3,097,996	\$ 62,153	\$ 3,160,149
1c	New Toronto Substation looping in Sammis-Wylie Ridge	b1977	\$ 37,089,232	6.934243%	\$ 2,571,857.54	\$ 32,995,723	7.954270%	\$ 2,624,568.98	\$ 883,911	\$ 6,080,337	\$ 93,546	\$ 6,173,883
1d	West Fremont - Grotton - Hayes 138 kV line	b1959	\$ 84,446,487	6.934243%	\$ 5,855,724.70	\$ 78,803,588	7.954270%	\$ 6,268,250.36	\$ 2,412,805	\$ 14,536,780	\$ 681,881	\$ 15,218,662
1e	McDowell-Campbell - Construct approximately 5.5 miles of 138 kV line	b2124.4	\$ 8,730,750	6.934243%	\$ 605,411.40	\$ 7,724,612	7.954270%	\$ 614,436.53	\$ 267,056	\$ 1,486,904	\$ 1,717,988	\$ 3,204,892
1f	McDowell Substation - Add a new 138 kV line exit	b2124.1	\$ 2,764,577	6.934243%	\$ 191,702.52	\$ 2,559,089	7.954270%	\$ 203,556.83	\$ 56,961	\$ 452,221	\$ 522,380	\$ 974,600
1g	Campbell Substation - Construct a 138 kV ring bus and install a 138/69 kV autotransformer	b2124.2	\$ 6,181,958	6.934243%	\$ 428,672.01	\$ 5,625,678	7.954270%	\$ 447,481.62	\$ 131,156	\$ 1,007,310	\$ 1,170,405	\$ 2,177,715
1h	Lallendorf-Monroe 345kV-Reconductor	b2972	\$ 3,586,477	6.934243%	\$ 248,695.03	\$ 3,472,423	7.954270%	\$ 276,205.94	\$ 96,491	\$ 621,392	\$ 61,378	\$ 682,770
2	Transmission Enhancement Credit for Attachment H-21A Page 1, Line 5d									29,200,981		

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-21A.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-21A.
- C
- D Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above. This value includes subsequent capital investments required to maintain the project in-service.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- F Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-21A page 3 line 12.
- F PJM will bill these amounts through Schedule 12 charges.

Transmission Enhancement Credit - True-up
To be completed after Appendix D for the True-up Year is updated using actual data

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
Line No.	Project Name	RTEP Project Number	Actual Appendix D Revenues	Projected Annual Revenue Requirement	Actual Appendix D Revenues Allocated to Projects	Actual Annual Revenue Requirement	True-up Adjustment Principal Under/(Over)	Applicable Interest Under/(Over)	True-up Adjustment with Interest Under/(Over)
				Projected Appendix D p 2 of 2, col. 12	[Col. c, line 1 * (Col. d, line 2x / Col. d, line 3)]	Actual Appendix D p 2 of 2, col. 12	Col. f - Col. e	Col. g * [(line 4a / line 4b) - 1]	Col. g + Col. H
1	[A] Actual PJM TEC Revenues for True-up Year		\$ 25,992,056						
2a	New Mansfield 69kV Switching Station	b1587		\$ 1,948,008	\$ 1,948,008	\$ 2,006,610	\$ 58,602	\$ 6,366	\$ 64,968
2b	Re-conductor Galion-GM Mansfield-Ontario-Cairns	b1920		\$ 3,130,976	\$ 3,130,976	\$ 3,187,039	\$ 56,063	\$ 6,090	\$ 62,153
2c	New Toronto Substation looping in Sammis-Wylie Ridge	b1977		\$ 6,244,546	\$ 6,244,546	\$ 6,328,926	\$ 84,380	\$ 9,166	\$ 93,546
2d	West Fremont - Groton - Hayes 138 kV line	b1959		\$ 14,647,464	\$ 14,647,464	\$ 15,262,533	\$ 615,068	\$ 66,813	\$ 681,881
2e	McDowell-Campbell - Construct approximately 5.5 miles of 138 kV line	b2124.4		\$ -	\$ -	\$ 1,549,653	\$ 1,549,653	\$ 168,334	\$ 1,717,988
2f	McDowell Substation - Add a new 138 kV line exit	b2124.1		\$ -	\$ -	\$ 471,195	\$ 471,195	\$ 51,185	\$ 522,380
2g	Campbell Substation - Construct a 138 kV ring bus and install a 138/69 kV autotransformer	b2124.2		\$ -	\$ -	\$ 1,055,725	\$ 1,055,725	\$ 114,680	\$ 1,170,405
2h	Lallendorf-Monroe 345kV-Reconductor	b2972		\$ 21,062	\$ -	\$ 55,364	\$ 55,364	\$ 6,014	\$ 61,378
3	Subtotal			25,992,056	25,970,994	29,917,046			
4a	Revenue Requirement True-up with Interest (Appendix H)						(38,975,970)		
4b	Revenue Requirement True-up - Over/Under Recovery (Appendix H)						(35,156,972)		

NOTE
[A] Amount included in revenues reported on page 330, column k of FERC Form 1.

Legacy MTEP Credit Calculation
To be completed in conjunction with Attachment H-21A

Line No.	(1)	(2) Reference	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach. H-21A, p. 2, line 2, col. 5 (Note A)	\$ 5,167,031,424	
2	Net Transmission Plant - Total	Attach. H-21A, p. 2, line 14, col. 5 (Note B)	\$ 4,049,396,868	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach. H-21A, p. 3, line 8, col. 5	\$ 131,880,158	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	2.552339%	2.552339%
TAXES OTHER THAN INCOME TAXES				
5	Total Other Taxes	Attach. H-21A, p. 3, line 20, col. 5	\$ 226,414,364	
6	Annual Allocation Factor for Other Taxes	(line 5 divided by line 1, col. 3)	4.381904%	4.381904%
7	Annual Allocation Factor for Expense	Sum of line 4 and 6		6.934243%
INCOME TAXES				
8	Total Income Taxes	Attach. H-21A, p. 3, line 27, col. 5	\$ 38,285,663	
9	Annual Allocation Factor for Income Taxes	(line 8 divided by line 2, col. 3)	0.945466%	0.945466%
RETURN				
10	Return on Rate Base	Attach. H-21A, p. 3, line 28, col. 5	\$ 283,814,305	
11	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2, col. 3)	7.008804%	7.008804%
12	Annual Allocation Factor for Return	Sum of line 9 and 11		7.954270%

Legacy MTEP Credit Calculation
To be completed in conjunction with Attachment H-21A

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Line No.	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	ATSI Zone Share	MISO Share of Annual Revenue Requirement	True-up Adjustment	MISO Share of Annual Revenue Requirement with True-up
		(Note C)	(Page 1, line 7)	(Page 1, line 7)	(Col. 3 * Col. 4)	(Note D)	(Page 1, line 12)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Col. 10*(1-Col. 11) (Note G)	(Appendix E- True-up Col. i)	(Sum Col. 12 & 13) (Note H)
1a	North Medina 345/138 kV Substation	890	\$ 10,408,158	6.934243%	\$721,727	\$ 7,600,103	7.954270%	\$604,533	\$ 226,730	\$ 1,552,990	92.780000%	\$ 112,126	\$ 12	\$112,138
1b	Capacitor Banks at Harding and Juniper 345 kV	1326	\$ 5,952,507	6.934243%	\$412,761	\$ 4,352,611	7.954270%	\$346,218	\$ 122,659	\$ 881,639	82.580000%	\$ 153,582	\$ (252)	\$153,329
2	Annual Totals													\$ 265,468
3	Legacy MTEP Credit for Attachment H-21A Page 1, Line 5a											\$ 265,707		

Note Letter

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-21A and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-21A and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- C
- D Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 above and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the project in-service.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- F Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-21A page 3 line 12.
- G ATSI Zone allocation from the Midwest ISO MTEP report when the project was approved.
- H MISO Share is the value to be included as a credit in Attachment H-21A page 1, line 5a.
- I The Midwest ISO will recover this amount in MTEP-related charges applicable to Midwest ISO zones.

Legacy MTEP Credit Calculation - True-up
To be completed after Appendix E for the True-up Year is updated using actual data

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
Line No.	Project Name	MTEP Project Number	Actual Appendix E Revenues	Projected Annual Revenue Requirement	Actual Appendix E Revenues Allocated to Projects	Actual Annual Revenue Requirement	True-up Adjustment Principal Under/(Over)	Applicable Interest Rate on Under/(Over)	True-up Adjustment Interest Under/(Over)
				Projected Appendix E p 2 of 2, col. 14	[Col. c, line 1 * (Col. d, line 2x / Col. d, line 3)]	Actual Appendix E p 2 of 2, col. 14	Col. f - Col. e	Col. g * [(line 4a / line 4b) - 1]	Col. g + Col. h
1	[A] Actual MTEP Credit Revenues for True-up Year		281,570						
2a	North Medina 345/138 kV Substation	890		114,182	118,745	118,757	11	1	12
2b	Capacitor Banks at Harding and Juniper 345 kV	1326		156,567	162,825	162,597	(227)	(25)	(252)
3	Subtotal			270,749	281,570	281,354			
4a	Revenue Requirement True-up with Interest (Appendix H)						(38,975,970)		
4b	Revenue Requirement True-up - Over/Under Recovery (Appendix H)						(35,156,972)		

NOTE

[A] Amount included in revenues reported on page 330, column k of FERC Form 1.

Legacy MTEP Debit Calculation
To be completed in conjunction with Attachment H-21A

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
<u>Monthly Balance</u>	<u>Source</u>	<u>Months Remaining in Amortization Period</u>	<u>Beginning Balance</u> (= prior month col [H])	<u>Amortization Expense</u> (= [E] / [D])	<u>Additions (Deductions)</u>	<u>Ending Balance</u> (= [E] - [F] + [G])	
1 December	2020 Form No. 1 p232	121				39,733,150	
2 January	2021 FERC Account 182.3	120	39,733,150	331,110	-	39,402,040	
3 February	2021 FERC Account 182.3	119	39,402,040	331,110	-	39,070,931	
4 March	2021 FERC Account 182.3	118	39,070,931	331,110	-	38,739,821	
5 April	2021 FERC Account 182.3	117	38,739,821	331,110	-	38,408,712	
6 May	2021 FERC Account 182.3	116	38,408,712	331,110	-	38,077,602	
7 June	2021 FERC Account 182.3	115	38,077,602	331,110	-	37,746,493	
8 July	2021 FERC Account 182.3	114	37,746,493	331,110	-	37,415,383	
9 August	2021 FERC Account 182.3	113	37,415,383	331,110	-	37,084,273	
10 September	2021 FERC Account 182.3	112	37,084,273	331,110	-	36,753,164	
11 October	2021 FERC Account 182.3	111	36,753,164	331,110	-	36,422,054	
12 November	2021 FERC Account 182.3	110	36,422,054	331,110	-	36,090,945	
13 December	2021 Form No. 1 p232 and company records	109	36,090,945	331,110	-	35,759,835	
14			Total =	3,973,315	13-mos. Avg =	37,746,493	
15			(sum lines 2-13)		(sum lines 1-13) / 13		
16			Input to Attachment H-21A:	page 3 of 5, line 6a		page 2 of 5, line 23a	

Income Tax Adjustments
To be completed in conjunction with Attachment H-21A

[1]	[2] <u>Source</u>	[3] <u>Balance</u> December 31, 2021	[4] <u>Gross-up Tax Rate</u> <u>from Att H-21A</u> <u>page 3 of 5, line 23</u>	[5] <u>Tax Effect, including</u> <u>Gross-up, Permanent Diff</u> <u>and AFUDC Equity</u> (= Col. [3] * [4]) [D]
1	[A] company records	899,237	129.39%	1,163,502
2	[B] Appendix G1, Line 12, Column F	(26,370,618)	n/a	n/a
3	[B] Appendix G1, Line 12, Column F	-	n/a	n/a

Notes:

[A] AFUDC equity component is the gross cumulative annual amount based upon tax records of capitalized AFUDC equity embedded in the gross plant attributable to the transmission function.

[B] Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes. The balance located within Column 3, line 2 and line 3, is the net impact of excess deferred and deficient amortization.

[C] Amounts from lines 2 and 3 included on Attachment H-21A, page 3 of 5, line 26b.

[D] Amount from line 1 included on Attachment H-21A, page 3 of 5, line 26a.

Income Tax Adjustments Worksheet
To be completed in conjunction with Attachment H-21A

COLUMN A		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H
Line No.	Description	(Excess)/Deficient ADIT Transmission - Beg Balance of Year (Note B)	Current Period Other Activity (Note C)	Amortization Period (Note D)	Years Remaining at Year End	Amortization (Note E)	(Excess)/Deficient ADIT Transmission - Ending Balance of Year (Note F) (Col. B + Col. C) - Col. F	Protected (P) Non-Protected (N)
Non-property (Note A):								
1 Account 190								
1a	Accum Prov For Inj and Damage-Gen Liability	-	-	2	-	-	-	N
1b	Charitable Cont Carryfwd State RTA	-	-	2	-	-	-	N
1c	Charitable Contribution State & Local RTA	-	-	2	-	-	-	N
1d	Federal Long Term NOL - Protected	31,460,501	-	20	16	1,850,618	29,609,883	P
1e	Federal Long Term NOL - Unprotected	39,509	-	20	16	2,324	37,185	N
1f	ITC FAS 109 - FE	399,169	-	17	13	28,512	370,657	N
1g	NOL Deferred Tax Asset - LT OH Local DIT	(857,382)	-	5	1	(428,691)	(428,691)	N
1h	NOL Deferred Tax Asset - LT PA	(156,832)	-	20	16	(9,225)	(147,607)	N
1i	NOL Deferred Tax Asset - LT WV	(853)	-	20	16	(50)	(803)	N
1j	Pension/OPEB : Other Def Cr. or Dr.	3,666,995	-	33	29	122,233	3,544,761	N
1k	PJM Payable	-	-	2	-	-	-	N
1l	PJM Receivable	-	-	2	-	-	-	N
1m	Qualified Asset Adjustment - Local	(15,854)	-	30	26	(587)	(15,267)	N
2 Account 282								
2a	N/A	-	-	-	-	-	-	-
3 Account 283								
3a	Deferred Charge-EIB	-	-	2	-	-	-	N
3b	FE Service Tax Interest Allocation	-	-	2	-	-	-	N
3c	FE Service Timing Allocation	-	-	2	-	-	-	N
3d	MISO Exit Fees Deferral	(6,239,376)	-	10	6	(891,339)	(5,348,037)	N
3e	Qualified Asset Adjustment - Local - Val Allow	10,864	-	30	26	402	10,461	N
3f	RTO Study Deferral	(295,544)	-	10	6	(42,221)	(253,323)	N
3g	State Income Tax Deductible	-	-	2	-	-	-	N
3h	Valuation Allowance NOL WV	853	-	20	16	50	803	N
3i	Vegetation Management	641,710	-	10	6	91,673	550,037	N
4 Non-property gross up for Taxes								
		8,420,701	-			212,679	8,208,022	N,P
5 Total Non-Property								
		37,074,459	-			936,377	36,138,082	
Line No.	Description	(Excess)/Deficient ADIT Transmission - Beginning Balance of Year (Note B)	Current Period Other Activity (Note C)	Amortization Period (Note D)	Years Remaining at Year End	Amortization (Note E)	(Excess)/Deficient ADIT Transmission - Ending Balance of Year (Note F) (Col. B + Col. C) - Col. F	Protected (P) Non-Protected (N)
Property (Note A):								
6	Property Book-Tax Timing Difference - Account 190	8,329,661	-	ARAM	ARAM	851,389	7,478,272	N & P
7	Property Book-Tax Timing Difference - Account 282	(296,953,822)	-	ARAM	ARAM	(5,677,264)	(291,276,557)	N & P
8	Property Book-Tax Timing Difference - Account 283	-	-	ARAM	ARAM	-	-	N & P
9	Property Gross up for Taxes	(84,820,206)	-			(1,418,217)	(83,401,989)	N & P
10	Total Property (Total of lines 6 thru 9)	(373,444,368)	-			(6,244,093)	(367,200,274)	
11 Deferral of Amortized Excess/Deficient ADITs (Note G)								
						(21,062,902)		
12 Total Non-Property & Property Amortization, including gross up for taxes (Total of lines 5, 10, and 11)								
						(26,370,618)		N & P

Notes:

- A Upon a tax rate change (federal, state and/or, if applicable, state apportionments), the Company remeasures its deferred tax assets and liabilities to the new applicable corporate tax rate. For schedule M items not directly taken to the P&L, the result of this remeasurement is a change to the net deferred tax assets/liabilities recorded in accounts 190, 282, and 283 with a corresponding change in regulatory assets (account 182.3) and regulatory liabilities (account 254) to reflect the return of/collection from excess/deficient deferred taxes to/from customers. The remeasurement is effectuated within PowerTax and Tax Provision, which maintain both the timing different and APB11 deferred tax balance (the historical ADIT based on the time difference and the rate in effect when the timing difference occurred). The difference in the two results is reclassified from ADIT to regulatory assets/liabilities for deficient/excess ADIT. Within the FERC Form 1, deficient and excess ADITs in Account 182.3 and Account 254, respectively are presented grossed-up for tax purposes. For ratemaking purposes, these grossed-up balances are treated as FAS109 and subsequently removed from rate base, thereby ensuring rate base neutrality for tax rate changes. The Company would follow the process described above to remeasure ADIT balances (increase or decrease) due to any future income tax rate change.
- B Beginning balance of year is the end of the prior year balance as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)
- C In the event the Company populates the data enterable fields, it will support the data entered as just and reasonable in its annual update
- D The amortization periods shall be consistent with the following:
Protected Property & Non-Protected Property: ARAM, or directly assigned based on average remaining life of assets for property items not in PowerTax
Protected Non-Property & Non-Protected Non-Property will be directly assigned and presented in the table above
- E The amortization will occur through FERC income statement Accounts 410.1. and 411.1
- F Ending balance of year is the end of current year balance, as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)
- G Reflects the net amount of amortization, including gross-up for taxes, from prior period(s) that was booked for GAAP, but deferred for FERC purposes because a mechanism did not exist to pass back/collect excess/deficient ADITs to/from customers. The net amortized deferral amount, including the gross-up for taxes, is in Account 254, as reflected on FERC Form No. 1, page 278 or Account 182.3, as reflected on FERC Form No. 1, page 232.

True-up with Interest

2019 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 15, 2018	-	Reconciliation Revenue Requirement For Year 2019 Available May 1, 2020	=	True-up Adjustment - Over (Under) Recovery
\$680,231,844		\$715,388,817		\$ (35,156,972)

Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
Interest Rate on Amount of Refunds or Surcharges (Note 1)	0.4195%				

An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021

Calculation of Interest

				Monthly		
January	Year 2019	(2,929,748)	0.4195%	12	147,483	3,077,231
February	Year 2019	(2,929,748)	0.4195%	11	135,193	3,064,941
March	Year 2019	(2,929,748)	0.4195%	10	122,903	3,052,651
April	Year 2019	(2,929,748)	0.4195%	9	110,613	3,040,360
May	Year 2019	(2,929,748)	0.4195%	8	98,322	3,028,070
June	Year 2019	(2,929,748)	0.4195%	7	86,032	3,015,780
July	Year 2019	(2,929,748)	0.4195%	6	73,742	3,003,489
August	Year 2019	(2,929,748)	0.4195%	5	61,451	2,991,199
September	Year 2019	(2,929,748)	0.4195%	4	49,161	2,978,909
October	Year 2019	(2,929,748)	0.4195%	3	36,871	2,966,619
November	Year 2019	(2,929,748)	0.4195%	2	24,581	2,954,328
December	Year 2019	(2,929,748)	0.4195%	1	12,290	2,942,038
					958,643	36,115,615
				Annual		
January through December	Year 2020	36,115,615	0.4195%	12	1,818,060	37,933,675

Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months

				Monthly		
January	Year 2021	(37,933,675)	0.4195%		159,132	(3,247,997)
February	Year 2021	(34,844,809)	0.4195%		146,174	(3,247,997)
March	Year 2021	(31,742,986)	0.4195%		133,162	(3,247,997)
April	Year 2021	(28,628,150)	0.4195%		120,095	(3,247,997)
May	Year 2021	(25,500,248)	0.4195%		106,974	(3,247,997)
June	Year 2021	(22,359,224)	0.4195%		93,797	(3,247,997)
July	Year 2021	(19,205,023)	0.4195%		80,565	(3,247,997)
August	Year 2021	(16,037,591)	0.4195%		67,278	(3,247,997)
September	Year 2021	(12,856,871)	0.4195%		53,935	(3,247,997)
October	Year 2021	(9,662,808)	0.4195%		40,535	(3,247,997)
November	Year 2021	(6,455,346)	0.4195%		27,080	(3,247,997)
December	Year 2021	(3,234,429)	0.4195%		13,568	(3,247,997)
					1,042,295	(0)

True-Up with Interest	\$ 38,975,970
Less Over (Under) Recovery	\$ (35,156,972)
Total Interest	\$ 3,818,997

Note 1 Interest Rate on Amount of Refunds or Surcharges is the monthly average interest rate calculated in accordance with paragraph VII.A(ii) of Attachment H-21B (the Formula Rate Protocols).

WP01 Plant

		Production	Transmission	Distribution	General	Intangible	Common	Total
	[A]	205.46.g	207.58.g	207.75.g	207.99.g	205.5.g	356.1	
1	December 2020		5,044,821,860		184,579,155	110,941,739		5,340,342,754
2	January 2021		5,056,468,009		185,408,005	111,322,926		5,353,198,940
3	February 2021		5,065,326,807		186,241,749	111,686,880		5,363,255,436
4	March 2021		5,073,312,084		187,122,528	112,061,796		5,372,496,408
5	April 2021		5,086,741,656		188,003,578	112,860,526		5,387,605,760
6	May 2021		5,122,819,014		199,092,572	113,236,942		5,435,148,529
7	June 2021		5,177,795,615		199,364,503	115,352,628		5,492,512,746
8	July 2021		5,188,062,936		199,780,914	116,147,448		5,503,991,298
9	August 2021		5,215,474,270		200,377,836	116,518,903		5,532,371,009
10	September 2021		5,246,326,751		200,714,478	117,009,910		5,564,051,139
11	October 2021		5,259,106,660		200,814,541	117,877,691		5,577,798,892
12	November 2021		5,262,933,658		200,918,740	118,249,005		5,582,101,404
13	December 2021		5,396,024,095		208,399,566	136,205,310		5,740,628,970
14	13-month Average	-	5,168,862,570	-	195,447,551	116,113,208	-	5,480,423,330

Asset Retirement Cost for Transmission Plant		
		Transmission
	[A]	207.57.g
15	December 2020	1,831,146
16	January 2021	1,831,146
17	February 2021	1,831,146
18	March 2021	1,831,146
19	April 2021	1,831,146
20	May 2021	1,831,146
21	June 2021	1,831,146
22	July 2021	1,831,146
23	August 2021	1,831,146
24	September 2021	1,831,146
25	October 2021	1,831,146
26	November 2021	1,831,146
27	December 2021	1,831,146
28	13-month Average	1,831,146

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

WP02 Accum Depr

		Production	Transmission	Distribution	General	Intangible	Common	Total	
	[A]	219.20-24.c	219.25.c	219.26.c	219.28.c	200.21.c	356.1		
1	December	2020	1,082,862,521		40,632,252	46,732,996		1,170,227,769	
2	January	2021	1,089,015,708		41,409,281	47,887,031		1,178,312,020	
3	February	2021	1,095,668,352		42,187,844	49,041,884		1,186,898,079	
4	March	2021	1,102,564,330		42,965,002	50,197,410		1,195,726,741	
5	April	2021	1,109,436,262		43,744,066	51,354,137		1,204,534,465	
6	May	2021	1,114,493,498		43,915,484	52,512,021		1,210,921,002	
7	June	2021	1,118,300,617		44,821,116	53,670,618		1,216,792,351	
8	July	2021	1,125,609,268		45,719,228	54,709,578		1,226,038,073	
9	August	2021	1,131,490,820		46,608,429	55,750,184		1,233,849,433	
10	September	2021	1,137,183,055		47,516,657	56,791,681		1,241,491,392	
11	October	2021	1,143,619,130		48,441,012	57,834,518		1,249,894,660	
12	November	2021	1,151,208,989		49,365,674	58,878,623		1,259,453,286	
13	December	2021	1,151,558,432		49,853,338	59,915,108		1,261,326,877	
14	13-month Average		-	1,119,462,383	-	45,167,645	53,482,753	-	1,218,112,781

Reserve for Depreciation of Asset Retirement Costs			
Transmission			
	[A]	Company Records	
15	December	2020	1,827,607
16	January	2021	1,827,644
17	February	2021	1,827,680
18	March	2021	1,827,717
19	April	2021	1,827,754
20	May	2021	1,827,790
21	June	2021	1,827,827
22	July	2021	1,827,864
23	August	2021	1,827,900
24	September	2021	1,827,937
25	October	2021	1,827,974
26	November	2021	1,828,010
27	December	2021	1,828,047
28	13-month Average		1,827,827

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

WP03 ADIT

		Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	
	[A]	273.8.k	275.2.k	277.9.k	234.8.c	267.h	
1 December 31	2021	-	720,742,511	105,621,749	230,715,466	-	(595,648,794)

Values from line 1 adjusted per Notes.

Adjusted values for input to Attachment H-21A, Page 2, Lines 19-23

		(enter negative)	(enter negative)	(enter negative)	(enter negative)	Total	
			[B]	[C]	[D]	[E]	
2 December 31	2021	-	(963,510,985)	(189,726,251)	277,185,985	-	(876,051,251)
3 Ending Balance		-	(963,510,985)	(189,726,251)	277,185,985	-	(876,051,251)

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

[B] FERC Account No. 282 is adjusted for the following items.

	FAS 143 - ARO (Acct 190 Offset)	Charitable Contr. Limit (Acct 190 Offset)	Asset Impairment	FAS 106	Contribution In Aid of Construction	FAS 109 (include AFUDC- related)	Extraordinary Prop. Losses	FAS123R	Normalization
2021		1,344				(263,924,319)		413	21,154,088

[C] FERC Account No. 283 is adjusted for the following items.

	FAS 143 - ARO (Acct 190 Offset)	Charitable Contr. Limit (Acct 190 Offset)	FAS 106	Contribution In Aid of Construction	FAS 109 (include AFUDC- related)	Normalization
2021					(83,871,628)	(232,875)

[D] FERC Account No. 190 is adjusted for the following items:

	FAS 143 - ARO	Charitable Contr. Limit	FAS 123R	FAS 106	Contribution In Aid of Construction	FAS 109 (include AFUDC- related)	Normalization
2021	583,641	(629)			7,926,826	(54,909,483)	(70,874)

[E] Based on prior elections and IRS rulings, the 3% Investment Tax Credit ("ITC") and the 4% ITC may be used to reduce rate base as well as utilizing amortization of the tax credits against taxable income.

As a result, only the 3% and 4% values in FERC Form 1 column (h) on page 267 should be reported under Acct. No. 255.

WP04 Other RB

		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)	Total
		[A] 214.x.d	227.8.c & .16.c	111.57.c	
1	December 31 2020	-	687,321	1,937,879	2,625,201
2	December 31 2021	-	687,321	1,937,879	2,625,201
3	Begin/End Average	-	687,321	1,937,879	2,625,201

Unfunded Reserve - Plant Related						Total
FERC Acct No.	228.1	228.2	228.3	228.4	242	
	[A] 112.27.c	112.28.c	112.29.c	112.30.c	[B]	
4	December 31 2020	-	-	-	-	-
5	December 31 2021	-	-	-	-	-
6	Begin/End Average	-	-	-	-	-

Unfunded Reserve - Labor Related						Total
FERC Acct No.	228.1	228.2	228.3	228.4	242	
	[A] 112.27.c	112.28.c	112.29.c	112.30.c	[B]	
7	December 31 2020	-	-	-	-	-
8	December 31 2021	-	-	-	-	-
9	Begin/End Average	-	-	-	-	-

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

[B] Amount shall be only such portion of the value shown on line 113.48.c of the FERC Form No. 1 that, based on an analysis of company books, is determined to be attributable to Vacation Accruals and Employee Incentive Compensation.

WP05 Other Tax

[A]

1	Payroll Taxes		
2	FICA	263.i	487,307
3	Federal Unemployment Tax	263.i	
4	Ohio Unemployment Tax	263.i	
	Payroll Taxes Total		487,307
5	Highway and Vehicle Taxes		
6	Federal Heavy Vehicle Use and Excise Tax	263.i	1,645
	Highway and Vehicle Taxes		1,645
7	Property Taxes		
8	Ohio Property Tax	263.i	225,856,474
9	Pennsylvania Local Realty Tax	263.i	42,033
10	WV Local Property Tax	263.i	6,600
	Property Taxes		225,905,107
11	Gross Receipts Tax		
12	Gross Receipts Tax	263.i	278,961
	Gross Receipts Tax		278,961
13	Other Taxes		
14	Sales & Use Tax	263.i	933
15	Ohio CAT Tax	263.i	19,372
16	Franchise Tax and Foreign Tax	263.i	
	Other Taxes		20,306
17	Payments in lieu of taxes		-

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

WP06 Cap Structure

		(1)	(2)	(3)	(4)	(5)
		Proprietary	Preferred Stock	Account 216.1	Common Stock	Long Term Debt
		Capital				
	[A]	112.16.c	112.3.d	112.12.c	(1) - (2) - (3)	112.18-21
1	December 2020	1,878,663,937			1,878,663,937	1,300,000,000
2	January 2021	2,071,928,521			2,071,928,521	1,300,000,000
3	February 2021	2,090,454,908			2,090,454,908	1,300,000,000
4	March 2021	2,109,099,126			2,109,099,126	1,300,000,000
5	April 2021	2,128,020,012			2,128,020,012	1,300,000,000
6	May 2021	2,147,336,425			2,147,336,425	1,525,000,000
7	June 2021	2,167,083,423			2,167,083,423	1,525,000,000
8	July 2021	2,186,152,573			2,186,152,573	1,525,000,000
9	August 2021	2,205,619,594			2,205,619,594	1,525,000,000
10	September 2021	2,225,142,689			2,225,142,689	1,525,000,000
11	October 2021	2,244,359,259			2,244,359,259	1,525,000,000
12	November 2021	2,263,555,537			2,263,555,537	1,525,000,000
13	December 2021	2,283,598,081			2,283,598,081	1,525,000,000
14	13-month Average	2,153,924,161	-	-	2,153,924,161	1,438,461,538

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

WP07 Stated-value Inputs

Formula Rate Protocols Section VIII.A

1. Rate of Return on Common Equity ("ROE")

Per the Settlement Agreement approved by order dated July 20, 2015, in Docket No. ER15-303-000, ATSI's stated ROE is set to: (a) 12.38% through June 30, 2015; (b) 11.06% for the period July 1, 2015 through December 31, 2015; and (c) 10.38% for the period commencing January 1, 2016.

2. Postretirement Benefits Other Than Pension ("PBOP")

**sometimes referred to as Other Post Employment Benefits, or "OPEB"*

PBOP included in FERC Acct. No. 926, as reported in FERC Form 1 page 323.187.b, is included in the Administrative & General Expenses input to Attachment H-21A, page 3 of 5, line 3. The total PBOP amount in FERC Acct. No. 926 is \$0, per company records.

3. Depreciation Rates

FERC Account	Depr %
352	2.24%
353	2.06%
354	2.24%
355	3.09%
356	2.69%
357	2.00%
358	2.04%
359	1.33%

WP08 Tax Rates

Federal Income Tax Rate

Nominal Federal Income Tax Rate 21.00%
(entered on Att H-21A,
page 5 of 5, Note K)

State Income Tax Rate

	Ohio Municipality	Pennsylvania	West Virginia	Combined Rate (entered on Att H-21A, page 5 of 5, Note K)
Nominal State Income Tax Rate	2.17%	9.99%	6.50%	
Times Apportionment Percentage	65.56%	7.42%	0.02%	
Combined State Income Tax Rate	1.426%	0.741%	0.001%	2.168%