

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2022

American Transmission Systems, Inc.

Line No.				Allocated Amount
1	GROSS REVENUE REQUIREMENT	(page 3, line 29, col 5)		\$ 877,974,424
	REVENUE CREDITS	(Note T)		
			<u>Total</u>	<u>Allocator</u>
2a	Account No. 451	(page 4, line 34)	-	TP 1.00000 -
2b	Account No. 454	(page 4, line 35)	15,926,525	TP 1.00000 15,926,525
3	Account No. 456	(page 4, line 36)	8,343,073	TP 1.00000 8,343,073
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)		263,515	TP 1.00000 263,515
5b	Reserved		-	TP 1.00000 -
5c	Reserved		-	TP 1.00000 -
5d	Transmission Enhancement Credit (Appendix D, page 2, line 2, col. 10)		29,094,716	TP 1.00000 29,094,716
6a	TOTAL REVENUE CREDITS (sum lines 2a-5d)		<u>53,627,829</u>	<u>53,627,829</u>
6b	TRUE-UP ADJUSTMENT WITH INTEREST (Protocols)			17,733,413
7	NET REVENUE REQUIREMENT	(line 1 minus line 6a plus line 6b)		<u>842,080,007</u>
	DIVISOR			<u>Total</u>
8	1 Coincident Peak (CP) (MW)			(Note A) 12,604.2
9	Average 12 CPs (MW)			(Note B) 10,072.8
10	Reserved			-
11	Reserved			-
12	Reserved			-
13	Reserved			-
14	Reserved			-
15	Reserved			-
16	Annual Network Rate (\$/MW/Yr)	(line 7 / line 8)	<u>Total</u> 66,809.48	
			<u>Peak Rate</u>	<u>Off-Peak Rate</u>
			<u>Total</u>	<u>Total</u>
17	Point-To-Point Rate (\$/MW/Year)	(line 7 / line 9)	83,599.40	83,599.40
18	Point-To-Point Rate (\$/MW/Month)	(line 17/12)	6,966.62	6,966.62
19	Point-To-Point Rate (\$/MW/Week)	(line 17/52)	1,607.68	1,607.68
20	Point-To-Point Rate (\$/MW/Day)	(line 19/5; line 19/7)	321.54	229.67
21	Point-To-Point Rate (\$/MWh)	(line 17/4,160; line 17/8,760)	20.10	9.54

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		For the 12 months ended 12/31/2022	
(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)	5,460,532,264	TP	1.00000	5,460,532,264
3	Distribution 207.75.g (Notes U & X)	-	NA		
4	General & Intangible 205.5.g & 207.99.g (Notes U & X)	343,365,606	W/S	1.00000	343,365,606
5	Common 356.1 (Notes U & X)	-	CE	1.00000	-
6	TOTAL GROSS PLANT (sum lines 1-5)	5,803,897,870	GP=	100.000%	5,803,897,870
ACCUMULATED DEPRECIATION					
7	Production 219.20-24.c (Notes U & X)	-	NA		
8	Transmission 219.25.c (Notes U & X)	1,237,362,148	TP	1.00000	1,237,362,148
9	Distribution 219.26.c (Notes U & X)	-	NA		
10	General & Intangible 200.21.c & 219.28.c (Notes U & X)	123,433,918	W/S	1.00000	123,433,918
11	Common 356.1 (Notes U & X)	-	CE	1.00000	-
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)	1,360,796,065			1,360,796,065
NET PLANT IN SERVICE					
13	Production (line 1 - line 7)	-			
14	Transmission (line 2 - line 8)	4,223,170,116			4,223,170,116
15	Distribution (line 3 - line 9)	-			
16	General & Intangible (line 4 - line 10)	219,931,688			219,931,688
17	Common (line 5 - line 11)	-			
18	TOTAL NET PLANT (sum lines 13-17)	4,443,101,805	NP=	100.000%	4,443,101,805
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	(989,458,818)	NP	1.00000	(989,458,818)
21	Account No. 283 (enter negative) 277.9.k	(17,816,462)	NP	1.00000	(17,816,462)
22	Account No. 190 234.8.c	103,492,889	NP	1.00000	103,492,889
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)	-	DA	1.00000	-
24	TOTAL ADJUSTMENTS (sum lines 19- 23a)	(903,782,391)			(903,782,391)
25	LAND HELD FOR FUTURE USE 214.x.d (Notes G & Y)	-	TP	1.00000	-
WORKING CAPITAL (Note H)					
26	CWC calculated	17,721,731			16,877,672
27	Materials & Supplies (Note G) 227.8.c & .16.c (Note Y)	676,463	TE	0.94466	639,027
28a	Prepayments (Account 165) 111.57.c (Notes Y & CC)	612,351	GP	1.00000	612,351
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)	19,010,545			18,129,050
30	RATE BASE (sum lines 18, 24, 25, & 29)	3,558,329,959			3,557,448,463

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For the 12 months ended 12/31/2022

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	American Transmission Systems, Inc.			
			(3) Company Total	(4) Allocator	(5) Transmission (Col 3 times Col 4)	
	O&M (Note DD)					
1	Transmission	321.112.b	122,003,247	TE	0.94466	115,251,463
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	0.94466	-
3	A&G	323.197.b (Note BB)	23,398,116	W/S	1.00000	23,398,116
4	Less FERC Annual Fees		-	W/S	1.00000	-
5	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		12,485	W/S	1.00000	12,485
5a	Plus Transmission Related Reg. Comm. Exp. (Note I)		12,485	TE	0.94466	11,794
6	Common	356.1	-	CE	1.00000	-
6a	Amortization of Regulatory Asset	Appendices B, C, & F, Line 14, Column F (Note EE)	5,231,791	DA	1.00000	5,231,791
7	Transmission Lease Payments		-		1.00000	-
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 6a, 7 less 1a, 2, 2a, 4, 5)		150,633,154			143,880,678
	DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.b (Note U)	131,185,970	TP	1.00000	131,185,970
10	General & Intangible	336.1.f & 336.10.f (Note U)	26,171,166	W/S	1.00000	26,171,166
11	Common	336.11.b (Note U)	-	CE	1.00000	-
12	TOTAL DEPRECIATION (sum lines 9 - 11)		157,357,136			157,357,136
	TAXES OTHER THAN INCOME TAXES (Note J)					
	LABOR RELATED					
13	Payroll	263.i	807,321	W/S	1.00000	807,321
14	Highway and vehicle	263.i	1,661	W/S	1.00000	1,661
15	PLANT RELATED					
16	Property	263.i	237,787,805	GP	1.00000	237,787,805
17	Gross Receipts	263.i	278,962	NA		-
18	Other	263.i	14,240	GP	1.00000	14,240
19	Payments in lieu of taxes		-	GP	1.00000	-
20	TOTAL OTHER TAXES (sum lines 13 - 19)		238,889,989			238,611,028
	INCOME TAXES (Note K)					
21	$T=1 - \{(1 - SIT) * (1 - FIT)\} / (1 - SIT * FIT * p) =$		22.66%			
22	$CIT=(T/(1-T)) * (1-(WCLTD/R)) =$ where WCLTD=(page 4, line 27) and R= (page 4, line30) and FIT, SIT & p are as given in footnote K.		23.26%			
23	$1 / (1 - T) =$ (from line 21)		1.2930			
24	Amortized Investment Tax Credit (266.8.f) (enter negative)		(422,737)			
25	Income Tax Calculation = line 22 * line 28		64,771,110	NA		64,755,064
26	ITC adjustment (line 23 * line 24)		(546,579)	NP	1.00000	(546,579)
26a	Tax Effect of Permanent Differences and AFUDC Equity (App G, line 1, col 5) (Note FF)		1,054,745	DA	1.00000	1,054,745
26b	(Excess)/Deficient Deferred Income Taxes (App G, lines 2 & 3, col 3) (Note GG)		(5,495,350)	DA	1.00000	(5,495,350)
27	Total Income Taxes (sum lines 25 through 26b)		59,783,926			59,767,881
28	RETURN [Rate Base (page 2, line 30) * Rate of Return (page 4, line 30)]		278,426,675	NA		278,357,701
29	GROSS REV. REQUIREMENT (sum lines 8, 12, 20, 27, 28)		885,090,880			877,974,424

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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)					5,460,532,264
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)					5,460,532,264
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)					122,003,247
7	Less transmission expenses included in OATT Ancillary Services (Note L)					6,751,785
8	Included transmission expenses (line 6 less line 7)					115,251,463
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.94466
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=	0.94466
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)					\$ 60,207,028
22	Preferred Dividends (118.29c) (positive number)					
Development of Common Stock:						
23	Proprietary Capital (112.16c) (Note X)					2,236,974,313
24	Less Preferred Stock (line 28)					-
25	Less Account 216.1 (112.12c) (enter negative) (Note X)					-
26	Common Stock (sum lines 23-25)					2,236,974,313
			\$	%	Cost (Note P)	Weighted
27	Long Term Debt (112, sum of 18 through 21) (Note X)		1,500,000,000	40%	0.0401	0.0161 =WCLTD
28	Preferred Stock (112.3d) (Note X)		-	0%	0.0000	0.0000
29	Common Stock (line 26)		2,236,974,313	60%	0.1038	0.0621
30	Total (sum lines 27-29)		3,736,974,313			0.0782 =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)				15,926,525
36	ACCOUNT 456 (OTHER ELECTRIC REVENUES) (Note V)	(330.x.n)				8,343,073

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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 = | 2.10% (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	\$ 6,751,785	Attachment H-21A, Page 4, Line 7
2	\$ 105,956	Revenue Credits for Sched 1A - Note A
3	\$ 6,645,829	Net Schedule 1A Expenses (Line 1 - Line 2)
4	65,968,063	Annual MWh in ATSI Zone - Note B
5	\$ 0.1007	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	2021 Form No. 1 p232	109				8,411,238	
2 January	2022 FERC Account 182.3	108	8,411,238	77,882	-	8,333,356	
3 February	2022 FERC Account 182.3	107	8,333,356	77,882	-	8,255,474	
4 March	2022 FERC Account 182.3	106	8,255,474	77,882	-	8,177,593	
5 April	2022 FERC Account 182.3	105	8,177,593	77,882	-	8,099,711	
6 May	2022 FERC Account 182.3	104	8,099,711	77,882	-	8,021,829	
7 June	2022 FERC Account 182.3	103	8,021,829	77,882	-	7,943,947	
8 July	2022 FERC Account 182.3	102	7,943,947	77,882	-	7,866,065	
9 August	2022 FERC Account 182.3	101	7,866,065	77,882	-	7,788,183	
10 September	2022 FERC Account 182.3	100	7,788,183	77,882	-	7,710,302	
11 October	2022 FERC Account 182.3	99	7,710,302	77,882	-	7,632,420	
12 November	2022 FERC Account 182.3	98	7,632,420	77,882	-	7,554,538	
13 December	2022 Form No. 1 p232 and company records	97	7,554,538	77,882	-	7,476,656	
14			Total =	934,582	13-mos. Avg =	7,943,947	
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	2021 Form No. 1 p232	109				10,364,185	
2 January	2022 FERC Account 182.3	108	10,364,185	95,965	-	10,268,220	
3 February	2022 FERC Account 182.3	107	10,268,220	95,965	-	10,172,256	
4 March	2022 FERC Account 182.3	106	10,172,256	95,965	-	10,076,291	
5 April	2022 FERC Account 182.3	105	10,076,291	95,965	-	9,980,326	
6 May	2022 FERC Account 182.3	104	9,980,326	95,965	-	9,884,362	
7 June	2022 FERC Account 182.3	103	9,884,362	95,965	-	9,788,397	
8 July	2022 FERC Account 182.3	102	9,788,397	95,965	-	9,692,432	
9 August	2022 FERC Account 182.3	101	9,692,432	95,965	-	9,596,467	
10 September	2022 FERC Account 182.3	100	9,596,467	95,965	-	9,500,503	
11 October	2022 FERC Account 182.3	99	9,500,503	95,965	-	9,404,538	
12 November	2022 FERC Account 182.3	98	9,404,538	95,965	-	9,308,573	
13 December	2022 Form No. 1 p232 and company records	97	9,308,573	95,965	-	9,212,609	
14			Total =	1,151,576	13-mos. Avg =	9,788,397	
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)	\$ 5,460,532,264	
2	Net Transmission Plant - Total	Attach. H-21A, p. 2, line 14, col. 5 (Note B)	\$ 4,223,170,116	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-21A, p. 3, line 8, col. 5	\$ 143,880,678	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	2.634920%	2.634920%
	TAXES OTHER THAN INCOME TAXES			
5	Total Other Taxes	Attach. H-21A, p. 3, line 20, col. 5	\$ 238,611,028	
6	Annual Allocation Factor for Other Taxes	(line 5 divided by line 1, col. 3)	4.369739%	4.369739%
7	Annual Allocation Factor for Expense	Sum of line 4 and 6		7.004660%
	INCOME TAXES			
8	Total Income Taxes	Attach. H-21A, p. 3, line 27, col. 5	\$ 59,767,881	
9	Annual Allocation Factor for Income Taxes	(line 8 divided by line 2, col. 3)	1.415237%	1.415237%
	RETURN			
10	Return on Rate Base	Attach. H-21A, p. 3, line 28, col. 5	\$ 278,357,701	
11	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2, col. 3)	6.591203%	6.591203%
12	Annual Allocation Factor for Return	Sum of line 9 and 11		8.006440%

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	7.004660%	\$ 805,948.48	\$ 10,173,218	8.006440%	\$ 814,512.62	\$ 295,885	\$ 1,916,347	\$ 378,973	\$ 2,295,319
1b	Re-conductor Galton-GM Mansfield-Ontario-Cataraugus	b1920	\$ 18,619,979	7.004660%	\$ 1,304,266.15	\$ 15,929,777	8.006440%	\$ 1,275,408.00	\$ 524,637	\$ 3,104,311	\$ 841,746	\$ 3,946,057
1c	New Toronto Substation looping in Sammis-Wylie Ridge	b1977	\$ 37,085,261	7.004660%	\$ 2,597,696.34	\$ 32,338,292	8.006440%	\$ 2,589,145.92	\$ 883,816	\$ 6,070,658	\$ 2,718,055	\$ 8,788,713
1d	West Fremont - Genoa - Hayes 138 kV line	b1959	\$ 84,460,615	7.004660%	\$ 5,916,178.70	\$ 77,090,331	8.006440%	\$ 6,172,191.08	\$ 2,413,209	\$ 14,501,578	\$ (1,278,016)	\$ 13,223,562
1e	McDowell-Campbell - Construct approximately 5.5 miles of 138 kV line	b2124.4	\$ 8,730,750	7.004660%	\$ 611,559.30	\$ 7,566,343	8.006440%	\$ 605,794.69	\$ 267,056	\$ 1,484,410	\$ (1,578,516)	\$ (94,106)
1f	McDowell Substation - Add a new 138 kV line exit	b2124.1	\$ 2,764,577	7.004660%	\$ 193,649.25	\$ 2,515,740	8.006440%	\$ 201,421.22	\$ 56,961	\$ 452,032	\$ (325,745)	\$ 126,287
1g	Campbell Substation - Construct a 138 kV ring bus and install a 138/69 kV autotransformer	b2124.2	\$ 6,185,587	7.004660%	\$ 433,279.36	\$ 5,523,067	8.006440%	\$ 442,201.03	\$ 131,233	\$ 1,006,714	\$ (756,546)	\$ 250,174
1h	Lakewood-Monroe 34kV Re-conductor	b2972	\$ 3,212,997	7.004660%	\$ 225,059.47	\$ 3,087,069	8.006440%	\$ 247,164.37	\$ 86,442	\$ 558,666	\$ 250,077	\$ 808,743

2 Transmission Enhancement Credit for Attachment H-21A Page 1, Line 5d

29,094,716

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 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.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E 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 on Under/(Over)	True-up Adjustment with Interest Under/(Over)
				Appendix D p 2 of 2, col. 12	[Col. c, line 1 + (Col. d, line 2x / Col. d, line 3)]	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		\$ 29,552,680						
2a	New Mansfield 69kV Switching Station	b1587	\$ 2,018,065	\$ 1,605,460	\$ 1,956,124	\$ 350,665	\$ 28,308	\$ 378,973	
2b	Re-conductor Gullion-GM Mansfield-Ontario-Cairns	b1920	\$ 2,915,586	\$ 2,319,477	\$ 3,098,348	\$ 778,871	\$ 62,875	\$ 841,746	
2c	New Toronto Substation looping in Sammis-Wylie Ridge	b1977	\$ 4,578,184	\$ 3,642,148	\$ 6,157,175	\$ 2,515,027	\$ 203,029	\$ 2,718,055	
2d	West Fremont - Groton - Hayes 138 kV line	b1959	\$ 20,219,729	\$ 16,085,689	\$ 14,903,135	\$ (1,182,553)	\$ (95,463)	\$ (1,278,016)	
2e	McDowell-Campbell - Construct approximately 5.5 miles of 138 kV line	b2124.4	\$ 3,719,749	\$ 2,959,225	\$ 1,498,618	\$ (1,460,607)	\$ (117,909)	\$ (1,578,516)	
2f	McDowell Substation - Add a new 138 kV line exit	b2124.1	\$ 957,846	\$ 762,009	\$ 460,596	\$ (301,413)	\$ (24,332)	\$ (325,745)	
2g	Campbell Substation - Construct a 138 kV ring bus and install a 138/69 kV autotransformer	b2124.2	\$ 2,175,353	\$ 1,730,589	\$ 1,030,560	\$ (700,029)	\$ (56,511)	\$ (756,540)	
2h	Lallendorf-Monroe 345kV-Reconductor	b2972	\$ 563,241	\$ 448,083	\$ 679,480	\$ 231,397	\$ 18,680	\$ 250,077	
3	Subtotal			37,147,752	29,552,680	29,784,037			
4a	Revenue Requirement True-up with Interest (Appendix H)						(17,733,413)		
4b	Revenue Requirement True-up - Over/Under Recovery (Appendix H)						(16,408,792)		

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)	(3)	(4)
		Reference	Transmission	Allocator
1	Gross Transmission Plant - Total	Attach. H-21A, p. 2, line 2, col. 5 (Note A)	\$ 5,460,532,264	
2	Net Transmission Plant - Total	Attach. H-21A, p. 2, line 14, col. 5 (Note B)	\$ 4,223,170,116	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach. H-21A, p. 3, line 8, col. 5	\$ 143,880,678	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	2.634920%	2.634920%
TAXES OTHER THAN INCOME TAXES				
5	Total Other Taxes	Attach. H-21A, p. 3, line 20, col. 5	\$ 238,611,028	
6	Annual Allocation Factor for Other Taxes	(line 5 divided by line 1, col. 3)	4.369739%	4.369739%
7	Annual Allocation Factor for Expense	Sum of line 4 and 6		7.004660%
INCOME TAXES				
8	Total Income Taxes	Attach. H-21A, p. 3, line 27, col. 5	\$ 59,767,881	
9	Annual Allocation Factor for Income Taxes	(line 8 divided by line 2, col. 3)	1.415237%	1.415237%
RETURN				
10	Return on Rate Base	Attach. H-21A, p. 3, line 28, col. 5	\$ 278,357,701	
11	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2, col. 3)	6.591203%	6.591203%
12	Annual Allocation Factor for Return	Sum of line 9 and 11		8.006440%

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)		(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	\$ 10,391,025	7.004660%	\$727,856	\$ 7,357,137	8.006440%	\$589,045	\$ 226,377	\$ 1,543,278	92.780000%	\$ 111,425	\$ (85,120)	\$26,305
1b	Capacitor Banks at Harding and Juniper 345 kV	1326	\$ 5,921,471	7.004660%	\$414,779	\$ 4,200,109	8.006440%	\$336,279	\$ 122,020	\$ 873,078	82.580000%	\$ 152,090	\$ (115,493)	\$36,597
2	Annual Totals													\$ 62,902
3	Legacy MTEP Credit for Attachment H-21A Page 1, Line 5a												\$ 263,515	

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		459,011						
2a	North Medina 345/138 kV Substation	890		112,457	194,462	115,700	(78,761)	(6,358)	(85,120)
2b	Capacitor Banks at Harding and Juniper 345 kV	1326		152,989	264,550	157,684	(106,866)	(8,627)	(115,493)
3	Subtotal			265,446	459,011	273,384			
4a	Revenue Requirement True-up with Interest (Appendix H)						(17,733,413)		
4b	Revenue Requirement True-up - Over/Under Recovery (Appendix H)						(16,408,792)		

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	2021 Form No. 1 p232	109				28,310,693	
2 January	2022 FERC Account 182.3	108	28,310,693	262,136	-	28,048,556	
3 February	2022 FERC Account 182.3	107	28,048,556	262,136	-	27,786,420	
4 March	2022 FERC Account 182.3	106	27,786,420	262,136	-	27,524,284	
5 April	2022 FERC Account 182.3	105	27,524,284	262,136	-	27,262,148	
6 May	2022 FERC Account 182.3	104	27,262,148	262,136	-	27,000,012	
7 June	2022 FERC Account 182.3	103	27,000,012	262,136	-	26,737,876	
8 July	2022 FERC Account 182.3	102	26,737,876	262,136	-	26,475,740	
9 August	2022 FERC Account 182.3	101	26,475,740	262,136	-	26,213,604	
10 September	2022 FERC Account 182.3	100	26,213,604	262,136	-	25,951,468	
11 October	2022 FERC Account 182.3	99	25,951,468	262,136	-	25,689,332	
12 November	2022 FERC Account 182.3	98	25,689,332	262,136	-	25,427,196	
13 December	2022 Form No. 1 p232 and company records	97	25,427,196	262,136	-	25,165,060	
14			Total =	3,145,633	13-mos. Avg =	26,737,876	
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, 2022	[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	Permanent Differences & AFUDC Equity	[C] 815,765	129.30%	1,054,745
2	Amortized Excess Deferred Taxes (enter negative)	(5,495,350)	n/a	n/a
3	Amortized Deficient Deferred Taxes	-	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	29,609,883	-	20	15	1,850,618	27,759,265	P
1e	Federal Long Term NOL - Unprotected	37,185	-	20	15	2,324	34,861	N
1f	ITC FAS 109 - FE	370,657	-	17	12	28,512	342,145	N
1g	NOL Deferred Tax Asset - LT OH Local DIT	(428,691)	-	5	-	(428,691)	-	N
1h	NOL Deferred Tax Asset - LT PA	(147,607)	-	20	15	(9,225)	(138,381)	N
1i	NOL Deferred Tax Asset - LT WV	(803)	-	20	15	(50)	(753)	N
1j	Pension/OPEB - Other Def Cr. or Dr.	3,544,761	-	33	28	122,233	3,422,528	N
1k	PJM Payable	-	-	2	-	-	-	N
1l	PJM Receivable	-	-	2	-	-	-	N
1m	Qualified Asset Adjustment - Local	(15,267)	-	30	25	(587)	(14,680)	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	(5,348,037)	-	10	5	(891,339)	(4,456,697)	N
3e	Qualified Asset Adjustment - Local - Val Allow	10,461	-	30	25	402	10,059	N
3f	RTO Study Deferral	(253,323)	-	10	5	(42,221)	(211,103)	N
3g	State Income Tax Deductible	-	-	2	-	-	-	N
3h	Valuation Allowance NOL WV	803	-	20	15	50	753	N
3i	Vegetation Management	550,037	-	10	5	91,673	458,364	N
4	Non-property gross up for Taxes	8,182,175	-			212,009	7,970,166	N,P
5	Total Non-Property	36,112,234	-			935,707	35,176,527	
Property (Note A):								
6	Property Book-Tax Timing Difference - Account 190	5,734,230	-	ARAM	ARAM	793,844	4,940,386	N & P
7	Property Book-Tax Timing Difference - Account 282	(292,616,287)	-	ARAM	ARAM	(5,767,776)	(286,848,511)	N & P
8	Property Book-Tax Timing Difference - Account 283	-	-	ARAM	ARAM	-	-	N & P
9	Property Gross up for Taxes	(84,042,752)	-			(1,457,125)	(82,585,628)	N & P
10	Total Property (Total of lines 6 thru 9)	(370,924,810)	-			(6,431,057)	(364,493,753)	
11	Deferral of Amortized Excess/Deficient ADITs (Note G)							
12	Total Non-Property & Property Amortization, including gross up for taxes (Total of lines 5, 10, and 11)					(5,495,350)		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

2020 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 15, 2019	-	Reconciliation Revenue Requirement For Year 2020 Available May 3, 2021	=	True-up Adjustment - Over (Under) Recovery
\$738,349,723		\$754,758,515		\$ (16,408,792)

	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)		0.3145%				

An over or under collection will be recovered prorata over 2020, held for 2021 and returned prorata over 2022

Calculation of Interest

					Monthly	
January	Year 2020	(1,367,399)	0.3145%	12	51,606	1,419,005
February	Year 2020	(1,367,399)	0.3145%	11	47,305	1,414,705
March	Year 2020	(1,367,399)	0.3145%	10	43,005	1,410,404
April	Year 2020	(1,367,399)	0.3145%	9	38,704	1,406,104
May	Year 2020	(1,367,399)	0.3145%	8	34,404	1,401,803
June	Year 2020	(1,367,399)	0.3145%	7	30,103	1,397,503
July	Year 2020	(1,367,399)	0.3145%	6	25,803	1,393,202
August	Year 2020	(1,367,399)	0.3145%	5	21,502	1,388,902
September	Year 2020	(1,367,399)	0.3145%	4	17,202	1,384,601
October	Year 2020	(1,367,399)	0.3145%	3	12,901	1,380,301
November	Year 2020	(1,367,399)	0.3145%	2	8,601	1,376,000
December	Year 2020	(1,367,399)	0.3145%	1	4,300	1,371,700
					335,437	16,744,229

Annual

January through December	Year 2021	16,744,229	0.3145%	12	631,927	17,376,156
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Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months

					Monthly	
January	Year 2022	(17,376,156)	0.3145%		54,648	15,953,020
February	Year 2022	(15,953,020)	0.3145%		50,172	14,525,408
March	Year 2022	(14,525,408)	0.3145%		45,682	13,093,305
April	Year 2022	(13,093,305)	0.3145%		41,178	11,656,700
May	Year 2022	(11,656,700)	0.3145%		36,660	10,215,575
June	Year 2022	(10,215,575)	0.3145%		32,128	8,769,919
July	Year 2022	(8,769,919)	0.3145%		27,581	7,319,716
August	Year 2022	(7,319,716)	0.3145%		23,021	5,864,952
September	Year 2022	(5,864,952)	0.3145%		18,445	4,405,613
October	Year 2022	(4,405,613)	0.3145%		13,856	2,941,684
November	Year 2022	(2,941,684)	0.3145%		9,252	1,473,151
December	Year 2022	(1,473,151)	0.3145%		4,633	0
					357,257	

True-Up with Interest	\$ 17,733,413
Less Over (Under) Recovery	<u>\$ (16,408,792)</u>
Total Interest	\$ 1,324,621

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 2021		5,334,134,570		204,465,246	123,012,917		5,661,612,733
2	January 2022		5,335,850,546		204,729,864	124,833,029		5,665,413,439
3	February 2022		5,347,659,559		204,950,339	127,175,304		5,679,785,202
4	March 2022		5,363,421,323		205,397,783	129,881,297		5,698,700,403
5	April 2022		5,397,185,222		205,560,601	131,367,754		5,734,113,577
6	May 2022		5,438,441,820		205,723,263	132,618,041		5,776,783,124
7	June 2022		5,503,441,183		205,894,878	136,017,389		5,845,353,450
8	July 2022		5,505,503,020		206,169,142	137,504,833		5,849,176,995
9	August 2022		5,511,679,952		206,679,758	139,201,347		5,857,561,057
10	September 2022		5,532,031,644		207,335,134	145,157,230		5,884,524,008
11	October 2022		5,565,523,073		207,748,122	146,359,947		5,919,631,142
12	November 2022		5,572,840,039		207,914,378	148,807,057		5,929,561,474
13	December 2022		5,603,012,376		208,086,681	161,161,543		5,972,260,600
14	13-month Average	-	5,462,363,410	-	206,204,245	137,161,361	-	5,805,729,016

Asset Retirement Cost for Transmission Plant		
Transmission		
	[A]	207.57.g
15	December 2021	1,831,146
16	January 2022	1,831,146
17	February 2022	1,831,146
18	March 2022	1,831,146
19	April 2022	1,831,146
20	May 2022	1,831,146
21	June 2022	1,831,146
22	July 2022	1,831,146
23	August 2022	1,831,146
24	September 2022	1,831,146
25	October 2022	1,831,146
26	November 2022	1,831,146
27	December 2022	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	2021	1,193,890,629		49,946,971	60,547,759		1,304,385,359
2	January	2022	1,202,492,867		50,964,767	61,675,826		1,315,133,460
3	February	2022	1,209,838,629		51,986,973	62,808,804		1,324,634,406
4	March	2022	1,217,122,153		52,997,237	63,946,373		1,334,065,763
5	April	2022	1,222,893,903		54,028,030	65,088,132		1,342,010,065
6	May	2022	1,228,725,480		55,059,907	66,231,797		1,350,017,184
7	June	2022	1,234,225,413		56,092,309	67,381,124		1,357,698,846
8	July	2022	1,243,995,985		57,119,645	68,495,885		1,369,611,515
9	August	2022	1,253,632,336		58,134,350	69,613,400		1,381,380,086
10	September	2022	1,262,704,397		59,143,140	70,738,315		1,392,585,852
11	October	2022	1,270,758,827		60,170,375	71,871,146		1,402,800,348
12	November	2022	1,280,464,938		61,215,086	73,007,668		1,414,687,692
13	December	2022	1,288,729,858		62,260,520	74,115,389		1,425,105,767
14	13-month Average	-	1,239,190,417	-	56,086,101	67,347,817	-	1,362,624,334

Reserve for Depreciation of Asset Retirement Costs			
Transmission			
	[A]	Company Records	
15	December	2021	1,828,047
16	January	2022	1,828,084
17	February	2022	1,828,121
18	March	2022	1,828,158
19	April	2022	1,828,195
20	May	2022	1,828,232
21	June	2022	1,828,269
22	July	2022	1,828,306
23	August	2022	1,828,343
24	September	2022	1,828,380
25	October	2022	1,828,417
26	November	2022	1,828,454
27	December	2022	1,828,491
28	13-month Average		1,828,269

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	2022	-	742,118,907	(54,662,588)	76,300,956	-	(611,155,362)

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	2022	-	(989,458,818)	(17,816,462)	103,492,889	-	(903,782,391)
3 Ending Balance		-	(989,458,818)	(17,816,462)	103,492,889	-	(903,782,391)

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
2022	958			(111,169)		(263,552,446)			16,322,745

[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
2022					(67,850,313)	(4,628,738)

[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
2022	782,647	5,688			5,755,271	(31,945,018)	(1,790,521)

[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 2021	-	676,463	612,351	1,288,814
2	December 31 2022	-	676,463	612,351	1,288,814
3	Begin/End Average	-	676,463	612,351	1,288,814

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 2021	-	-	-	-	-
5	December 31 2022	-	-	-	-	-
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 2021	-	-	-	-	-
8	December 31 2022	-	-	-	-	-
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	807,321
3	Federal Unemployment Tax	263.i	
4	Ohio Unemployment Tax	263.i	
Payroll Taxes Total			807,321
5 Highway and Vehicle Taxes			
6	Federal Heavy Vehicle Use and Excise Tax	263.i	1,661
Highway and Vehicle Taxes			1,661
7 Property Taxes			
8	Ohio Property Tax	263.i	237,738,752
9	Pennsylvania Local Realty Tax	263.i	42,453
10	WV Local Property Tax	263.i	6,600
Property Taxes			237,787,805
11 Gross Receipts Tax			
12	Gross Receipts Tax	263.i	278,962
Gross Receipts Tax			278,962
13 Other Taxes			
14	Sales & Use Tax	263.i	943
15	Ohio CAT Tax	263.i	13,298
16	Franchise Tax and Foreign Tax	263.i	-
Other Taxes			14,240
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 Capital	Preferred Stock	Account 216.1	Common Stock	Long Term Debt
	[A]	112.16.c	112.3.d	112.12.c	(1) - (2) - (3)	112.18-21
1	December 2021	2,058,037,802			2,058,037,802	1,500,000,000
2	January 2022	2,151,614,058			2,151,614,058	1,500,000,000
3	February 2022	2,170,346,405			2,170,346,405	1,500,000,000
4	March 2022	2,189,412,242			2,189,412,242	1,500,000,000
5	April 2022	2,208,879,017			2,208,879,017	1,500,000,000
6	May 2022	2,228,650,500			2,228,650,500	1,500,000,000
7	June 2022	2,249,017,514			2,249,017,514	1,500,000,000
8	July 2022	2,268,062,176			2,268,062,176	1,500,000,000
9	August 2022	2,287,230,794			2,287,230,794	1,500,000,000
10	September 2022	2,306,641,506			2,306,641,506	1,500,000,000
11	October 2022	2,326,154,189			2,326,154,189	1,500,000,000
12	November 2022	2,345,311,436			2,345,311,436	1,500,000,000
13	December 2022	2,291,308,428			2,291,308,428	1,500,000,000
14	13-month Average	2,236,974,313	-	-	2,236,974,313	1,500,000,000

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	2.0923%	9.9900%	6.5000%	
Times Apportionment Percentage	65.2666%	7.3342%	0.0000%	
Combined State Income Tax Rate	1.3656%	0.7327%	0.0000%	2.098%