

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2022

Mid-Atlantic Interstate Transmission, LLC

Line No.	(1)	(2)	(3)	(4)	(5)
			Total	Allocator	Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 43, col 5]				\$ 322,274,825
	REVENUE CREDITS	(Note T)			
2	Account No. 451	(page 4, line 29)	-	TP 1.00000	-
3	Account No. 454	(page 4, line 30)	3,761,088	TP 1.00000	3,761,088
4	Account No. 456	(page 4, line 31)	2,899,903	TP 1.00000	2,899,903
5	Revenues from Grandfathered Interzonal Transactions		-	TP 1.00000	-
6	Revenues from service provided by the ISO at a discount		-	TP 1.00000	-
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 12	29,789,051	TP 1.00000	29,789,051
8	TOTAL REVENUE CREDITS (sum lines 2-7)		36,450,042		36,450,042
9	True-up Adjustment with Interest	Attachment 13, Line 28			(16,455,386)
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 269,369,398
	DIVISOR				Total
11	1 Coincident Peak (CP) (MW)			(Note A)	5,971.0
12	Average 12 CPs (MW)			(Note CC)	4,994.4
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	Total 45,112.82		
			Peak Rate		Off-Peak Rate
14	Point-to-Point Rate (\$/MW/Year)	(line 10 / line 12)	Total 53,934.66		Total 53,934.66
15	Point-to-Point Rate (\$/MW/Month)	(line 14/12)	4,494.56		4,494.56
16	Point-to-Point Rate (\$/MW/Week)	(line 14/52)	1,037.21		1,037.21
17	Point-to-Point Rate (\$/MW/Day)	(line 16/5; line 16/7)	207.44		148.17
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160; line 14/8,760)	12.97		6.16

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		Mid-Atlantic Interstate Transmission, LLC				
		(3)	(4)		(5)	
Line No.	(1)	(2)	Company Total	Allocator	Transmission (Col 3 times Col 4)	
RATE BASE:						
GROSS PLANT IN SERVICE						
1	Production	Attachment 3, Line 14, Col. 1 (Notes U & X)	-	NA	-	
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes U & X)	2,403,234,613	TP	1.00000	
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes U & X)	-	NA	-	
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes U & X)	148,310,345	W/S	1.00000	
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	-	CE	1.00000	
6	TOTAL GROSS PLANT (sum lines 1-5)		2,551,544,958	GP=	100.0000%	
ACCUMULATED DEPRECIATION						
7	Production	Attachment 4, Line 14, Col. 1 (Notes U & X)	-	NA	-	
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes U & X)	346,674,285	TP	1.00000	
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes U & X)	-	NA	-	
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes U & X)	29,935,748	W/S	1.00000	
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)	-	CE	1.00000	
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		376,610,032			
NET PLANT IN SERVICE						
13	Production	(line 1- line 7)	-		-	
14	Transmission	(line 2- line 8)	2,056,560,328		2,056,560,328	
15	Distribution	(line 3 - line 9)	-		-	
16	General & Intangible	(line 4 - line 10)	118,374,597		118,374,597	
17	Common	(line 5 - line 11)	-		-	
18	TOTAL NET PLANT (sum lines 13-17)		2,174,934,925	NP=	100.0000%	
ADJUSTMENTS TO RATE BASE						
19	Account No. 281 (enter negative)	Attachment 5, Line 3, Col. 1 (Notes F & Y & DD)	-	NA	-	
20	Account No. 282 (enter negative)	Attachment 5, Line 3, Col. 2 (Notes F & Y & DD)	(386,802,529)	NP	1.00000	
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes F & Y & DD)	(2,892,776)	NP	1.00000	
22	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes F & Y & DD)	10,944,705	NP	1.00000	
23	Account No. 255 (enter negative)	Attachment 5, Line 3, Col. 5 (Notes F & Y & DD)	-	NP	1.00000	
24	Unfunded Reserve Plant-related (enter negative)	Attachment 14, Line 9, Col. G (Note Y)	-	DA	1.00000	
25	Unfunded Reserve Labor-related (enter negative)	Attachment 14, Line 10, Col. G (Note Y)	-	DA	1.00000	
26	CWIP	216.b (Notes X & Z)	-	DA	1.00000	
27	Unamortized Regulatory Asset	Attachment 16a, 16h, 16c, line 15, Col. 7 (Notes X)	1,531,840	DA	1.00000	
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	-	DA	1.00000	
29	TOTAL ADJUSTMENTS (sum lines 19-28)		(377,218,760)			
30	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 1, Col. D) (Notes G & Y)	-	TP	1.00000	
31	WORKING CAPITAL (Note H)					
32	CWC	1/8*(Page 3, Line 15 minus Page 3, Lines 11 & 12)	9,155,456		8,978,630	
33	Materials & Supplies (Note G)	227.8.c & .16.c (Attachment 14, Line 2, Col. D) (Note Y)	-	TE	0.98114	
34	Prepayments (Account 165)	111.57.c (Attachment 14, Line 3, Col. D) (Notes B & Y)	336,749	GP	1.00000	
35	TOTAL WORKING CAPITAL (sum lines 32 - 34)		9,492,204		9,315,379	
36	RATE BASE (sum lines 18, 29, 30, & 35)		1,807,208,370		1,807,031,544	

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For the 12 months ended 12/31/2022

Mid-Atlantic Interstate Transmission, LLC

Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
O&M					
1	Transmission	321.112.b (Attachment 20, page 1, line 112)	75,004,022	TE	0.98114
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		-	DA	1.00000
3	Less Account 565	321.96.b	-	DA	1.00000
4	Less Account 566	321.97.b	9,024,913	DA	1.00000
5	A&G	323.197.b (Attachment 20, page 2, line 197)	726,100	W/S	1.00000
6	Less FERC Annual Fees		-	W/S	1.00000
7	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		169,950	W/S	1.00000
8	Plus Transmission Related Reg. Comm. Exp. (Note I)		-	TE	0.98114
9	PBOP Expense Adjustment in Year	Attachment 6, Line 9	(837,118)	DA	1.00000
10	Common	356.1	-	CE	1.00000
11	Account 407.3 Amortization of Regulatory Assets	Attachment 16a, 16b, 16c, Line 15, Col. 5	-	DA	1.00000
12	Account 566 Amortization of Regulatory Assets	321.97.b (notes)	612,889	DA	1.00000
13	Acct. 566 Miscellaneous Transmission Expense (less amortization of regulatory asset)	321.97.b - line 12	-	DA	1.00000
14	Total Account 566 (sum lines 12 & 13, ties to 321.97.b)		9,024,913	DA	1.00000
15	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 11, 14 less 2, 3, 4, 6, 7)		75,335,943		
DEPRECIATION AND AMORTIZATION EXPENSE					
16	Transmission	336.7.b (Note U)	53,121,101	TP	1.00000
17	General & Intangible	336.1.f & 336.10.f (Note U)	11,693,285	W/S	1.00000
18	Common	336.11.b (Note U)	-	CE	1.00000
19	Amortization of Abandoned Plant	Attachment 17, Line 15, Col. 5 (Note BB)	-	DA	1.00000
20	TOTAL DEPRECIATION (sum lines 16 -19)		64,814,386		
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
21	Payroll	263.i (Attachment 7, line 1z)	612,332	W/S	1.00000
22	Highway and vehicle	263.i (Attachment 7, line 2z)	-	W/S	1.00000
PLANT RELATED					
24	Property	263.i (Attachment 7, line 3z)	111,618	GP	1.00000
25	Gross Receipts	263.i (Attachment 7, line 4z)	-	NA	-
26	Other	263.i (Attachment 7, line 5z)	-	GP	1.00000
27	Payments in lieu of taxes	Attachment 7, line 6z	-	GP	1.00000
28	TOTAL OTHER TAXES (sum lines 21 - 27)		723,950		
INCOME TAXES (Note K)					
29	$T = 1 - [(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p) =$		28.89%		
30	$CIT = (T * 1 - T) * (1 - (WCLTD/R)) =$		32.63%		
where WCLTD=(page 4, line 22) and R=(page 4, line 25) and FIT, SIT & p are as given in footnote K.					
31	$1 / (1 - T) =$ (from line 29)		1.4063		
32	Amortized Investment Tax Credit (266.8.f) (enter negative)		(99,685)		
33	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y]		326,807		
34	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y]		(1,135,779)		
35	Income Tax Calculation = line 30 * line 40		45,298,674	NA	45,294,242
36	ITC adjustment (line 31 * line 32)		(140,188)	NP	(140,188)
37	Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33)		459,594	DA	459,594
38	(Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34)		(1,597,261)	DA	(1,597,261)
39	Total Income Taxes	sum lines 35 through 38	44,020,818		44,016,386
40	RETURN	[Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)]	138,812,349.08	NA	138,798,767
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
41		(sum lines 15, 20, 28, 39, 40)	323,707,446		322,274,825
42	ADDITIONAL INCENTIVE REVENUE	Attachment 11, page 2, line 4, col 11 (Note AA)	0		0
43	GROSS REV. REQUIREMENT	(line 41 + line 42)	323,707,446		322,274,825

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For the 12 months ended 12/31/2022

Mid-Atlantic Interstate Transmission, LLC

Line No.	(1)	(2)	(3)	(4)	(5)	(6)
SUPPORTING CALCULATIONS AND NOTES						
TRANSMISSION PLANT INCLUDED IN ISO RATES						
1	Total transmission plant (page 2, line 2, column 3)					2,403,234,613
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)					2,403,234,613
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)					75,004,022
7	Less transmission expenses included in OATT Ancillary Services (Note L)					1,414,607
8	Included transmission expenses (line 6 less line 7)					73,589,415
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.98114
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=	0.98114
WAGES & SALARY ALLOCATOR (W&S)						
	Form 1 Reference	\$	TP		Allocation	
12	Production 354.20.b	-	0.00		-	
13	Transmission 354.21.b	-	1.00		-	
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)	-	0.00		-	= 1.00000 = WS
COMMON PLANT ALLOCATOR (CE) (Note O)						
		\$			% Electric	W&S Allocator
17	Electric 200.3.c	-			(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)	-				CE 1.00000
RETURN (R)						
21	Preferred Dividends (118.29c) (positive number)					-
REVENUE CREDITS						
ACCOUNT 447 (SALES FOR RESALE)						
26	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)	(Note Q)			-
27	b. Bundled Sales for Resale included in Divisor on page 1					-
28	Total of (a)-(b)					-
29	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)			(300.17.b) (Attachment 21, line 1z)		-
30	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)			(300.19.b) (Attachment 21, line 2z)		3,761,088
31	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)			(330.x.n) (Attachment 21, line 3z)		2,899,903

	(Note C)	Cost (Note P)	Weighted		
	\$	%			
22	Long Term Debt (112.24.c) (Attachment 8, Line 14, Col. 7) (Note X)	908,158,664	40%	0.0377	0.0151 =WCLTD
23	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note X)	-	0%	0.0000	0.0000
24	Common Stock (Attachment 8, Line 14, Col. 6) (Note X)	1,356,201,989	60%	0.1030	0.0617
25	Total (sum lines 22-24)	2,264,360,654			0.0768 =R

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Mid-Atlantic Interstate Transmission, LLC

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. Includes combined CPs for Met-Ed and Penelec zones.
- B Prepayments shall exclude prepayments of income taxes.
- C In its order approving the transfer of Penelec's and Met-Ed's transmission assets to MAIT, the Commission approved MAIT's commitment to apply a 50 percent equity/50 percent debt capital structure for ratemaking purposes for a two-year transition period. Pennsylvania Electric, 154 FERC ¶ 61,109 at P 51. Consequently, for the first two years (i.e., calendar years 2017 and 2018) the hypothetical capital structure will be used instead of the actual calculation. Per the Settlement Agreement in docket number ER17-211-000, beginning in calendar year 2019, the equity component of MAIT's capital structure to be used in calculating charges under the formula rate shall be the lower of (i) MAIT's actual equity component as calculated in accordance with Attachment 8 or (ii) 60%.
- D 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.
- E 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. Amounts to be included will be January 1, 2017 and thereafter.
- 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.
- 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 15, column 5 minus amortization of regulatory assets (page 3, lines 11 & 12, col. 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 7 - 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 8 - 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 31).
- | | | | |
|------------------|-------|--|---|
| Inputs Required: | FIT = | | 21.00% |
| | SIT= | | 9.99% (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., and related to 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.
- 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 will be set at 4.5% until such time as debt is issued by MAIT. Once debt is issued, the long-term debt cost rate will be the weighted average of the rates for all outstanding debt instruments, calculated within Attachment 10, col. j. Consistent with Note C, there will be no preferred stock cost, consistent with MAIT's commitment to use a hypothetical 50%/50% capital structure until calendar year 2019. Thereafter, Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). 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 in Docket No. ER17-211-000, MAIT's stated ROE is set to 10.30% (9.8% base ROE plus 50 basis point adder for RTO participation).
- Q Line 28 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 2-6 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 revenue on line 7 is supported by its own reference.
- U Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- V On Page 4, Line 31, 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 Met-Ed's and Penelec's zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects.
- 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 Includes only CWIP authorized by the Commission for inclusion in rate base.
- AA Any actual ROE incentive must be approved by the Commission; therefore, line will remain zero until a project(s) is granted an ROE incentive adder.
- BB Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- CC Peak as would be reported on page 401, column d of Form 1 at the time of Met-Ed's and Penelec's zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.
- DD Includes transmission-related balance only.

Schedule 1A Rate Calculation

1	\$	1,414,607	Attachment H-28A, Page 4, Line 7
2		108,739	Revenue Credits for Sched 1A - Note A
3	\$	1,305,868	Net Schedule 1A Expenses (Line 1 - Line 2)
4		32,858,962	Annual MWh in Met-Ed and Penelec Zones - Note B
5	\$	0.0397	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 Met-Ed's and Penelec's zones during the year used to calculate rates under Attachment H-28A.
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the Met-Ed and Penelec zones. Data from RTO settlement systems for the calendar year prior to the rate year.

Incentive ROE Calculation

Return Calculation		Source Reference		
1	Rate Base	Attachment H-28A, page 2, Line 36, Col. 5	1,807,031,544	
2	Preferred Dividends	enter positive	0	
Common Stock				
3	Proprietary Capital	Attachment 8, Line 14, Col. 1	1,579,793,959	
4	Less Preferred Stock	Attachment 8, Line 14, Col. 2	0	
5	Less Accumulated Other Comprehensive Income Account 219	Attachment 8, Line 14, Col. 4	0	
6	Less Account 216.1 & Goodwill	Attachment 8, Line 14, Col. 3 & 5	223,591,970	
7	Common Stock	Attachment 8, Line 14, Col. 6	1,356,201,989	
Capitalization				
8	Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 3	908,158,664	
9	Preferred Stock	Attachment H-28A, page 4, Line 23, Col. 3	0	
10	Common Stock	Attachment H-28A, page 4, Line 24, Col. 3	1,356,201,989	
11	Total Capitalization	Attachment H-28A, page 4, Line 25, Col. 3	2,264,360,654	
12	Debt %	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 4	40.1066%
13	Preferred %	Preferred Stock	Attachment H-28A, page 4, Line 23, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-28A, page 4, Line 24, Col. 4	59.8934%
15	Debt Cost	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 5	0.0377
16	Preferred Cost	Preferred Stock	Attachment H-28A, page 4, Line 23, Col. 5	0.0000
17	Common Cost	Common Stock	10.30%	0.1030
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12 * Line 15)	0.0151
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0617
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	0.0768
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	138,798,767

Income Taxes			
Income Tax Rates			
23	$T = 1 - \frac{((1 - SIT) * (1 - FIT))}{(1 - SIT * FIT * p)}$	Attachment H-28A, page 3, Line 29, Col. 3	28.89%
24	$CIT = (T / (1 - T)) * (1 - (WCLTD / R))$	Calculated	32.63%
25	$1 / (1 - T) =$ (from line 23)	Attachment H-28A, page 3, Line 31, Col.3	1.4063
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-28A, page 3, Line 32, Col. 3	(99,685.00)
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-28A, page 3, Line 33, Col. 3	326,807.33
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-28A, page 3, Line 34, Col. 3	(1,135,778.75)
29	Income Tax Calculation	(line 22 * line 24)	45,294,241.58
30	ITC adjustment	(line 25 * line 26)	(140,188.36)
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-28A, page 3, Line 37, Col. 3	459,593.56
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-28A, page 3, Line 38, Col. 3	(1,597,260.99)
33	Total Income Taxes	Sum lines 29 to 32	44,016,385.78

Increased Return and Taxes			
34	Return and Income taxes with increase in ROE	(Line 22 + Line 33)	182,815,152.80
35	Return without incentive adder	Attachment H-28A, Page 3, Line 40, Col. 5	138,798,767.02
36	Income Tax without incentive adder	Attachment H-28A, Page 3, Line 39, Col. 5	44,016,385.78
37	Return and Income taxes <u>without</u> increase in ROE	Line 35 + Line 36	182,815,152.80
38	Return and Income taxes with increase in ROE	Line 34	182,815,152.80
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37	-
40	Rate Base	Line 1	1,807,031,544.02
41	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 39 / Line 40	-

Notes:

Line 17 to include an incentive ROE that is used only to determine the increase in return and incomes taxes associated with a specific increase in ROE. Any actual ROE incentive must be approved by the Commission. Until an ROE incentive is approved, line 17 will reflect the current ROE.

Gross Plant Calculation

For the 12 months ended 12/31/2022

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	
		Production	Transmission	Distribution	Intangible	General	Common	Total	
1	December	2021	-	2,300,529,800	-	48,296,008	85,685,128	-	2,434,510,936
2	January	2022	-	2,326,875,712	-	51,799,099	85,712,830	-	2,464,387,641
3	February	2022	-	2,330,733,698	-	52,127,765	85,719,797	-	2,468,581,260
4	March	2022	-	2,341,158,428	-	53,159,046	85,720,388	-	2,480,037,862
5	April	2022	-	2,362,829,183	-	55,354,711	85,983,184	-	2,504,167,078
6	May	2022	-	2,379,362,589	-	56,306,476	85,983,092	-	2,521,652,158
7	June	2022	-	2,404,441,923	-	57,954,632	85,982,999	-	2,548,379,554
8	July	2022	-	2,407,927,591	-	60,119,299	85,982,899	-	2,554,029,789
9	August	2022	-	2,428,072,047	-	61,227,043	85,985,816	-	2,575,284,906
10	September	2022	-	2,443,767,487	-	75,631,776	85,992,123	-	2,605,391,386
11	October	2022	-	2,470,502,950	-	76,847,875	85,995,807	-	2,633,346,632
12	November	2022	-	2,480,577,361	-	77,208,335	87,952,837	-	2,645,738,534
13	December	2022	-	2,565,271,201	-	81,352,760	87,952,753	-	2,734,576,714
14	13-month Average	[A] [C]	-	2,403,234,613	-	62,106,525	86,203,820	-	2,551,544,958

		[B]	Production	Transmission	Distribution	Intangible	General	Common	Total
			205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1	
15	December	2021		2,300,541,454		48,296,008	85,685,128		2,434,522,591
16	January	2022		2,326,887,366		51,799,099	85,712,830		2,464,399,296
17	February	2022		2,330,745,352		52,127,765	85,719,797		2,468,592,915
18	March	2022		2,341,170,082		53,159,046	85,720,388		2,480,049,517
19	April	2022		2,362,840,837		55,354,711	85,983,184		2,504,178,732
20	May	2022		2,379,374,244		56,306,476	85,983,092		2,521,663,812
21	June	2022		2,404,453,578		57,954,632	85,982,999		2,548,391,209
22	July	2022		2,407,939,245		60,119,299	85,982,899		2,554,041,443
23	August	2022		2,428,083,701		61,227,043	85,985,816		2,575,296,560
24	September	2022		2,443,779,141		75,631,776	85,992,123		2,605,403,041
25	October	2022		2,470,514,605		76,847,875	85,995,807		2,633,358,286
26	November	2022		2,480,589,016		77,208,335	87,952,837		2,645,750,188
27	December	2022		2,565,282,856		81,352,760	87,952,753		2,734,588,369
28	13-month Average		-	2,403,246,268	-	62,106,525	86,203,820	-	2,551,556,612

Asset Retirement Costs			Production	Transmission	Distribution	Intangible	General	Common
		[B]	205.44.g	207.57.g	207.74.g	company records	207.98.g	company records
29	December	2021		11,654				
30	January	2022		11,654				
31	February	2022		11,654				
32	March	2022		11,654				
33	April	2022		11,654				
34	May	2022		11,654				
35	June	2022		11,654				
36	July	2022		11,654				
37	August	2022		11,654				
38	September	2022		11,654				
39	October	2022		11,654				
40	November	2022		11,654				
41	December	2022		11,654				
42	13-month Average			11,654	-	-	-	-

Notes:

[A] Included on Attachment H-28A, page 2, lines 1-6, Col. 3

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

[C] Balance excludes Asset Retirements Costs

[D] Met-Ed retained 34.5kV lines

Accumulated Depreciation Calculation

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	
		Production	Transmission	Distribution	Intangible	General	Common	Total	
1	December	2021	-	341,469,352	-	11,344,495	13,154,765	-	365,968,612
2	January	2022	-	341,770,454	-	11,935,118	13,391,519	-	367,097,091
3	February	2022	-	343,312,254	-	12,553,916	13,629,768	-	369,495,937
4	March	2022	-	343,744,591	-	13,180,811	13,868,475	-	370,793,878
5	April	2022	-	343,157,908	-	13,826,920	14,090,645	-	371,075,473
6	May	2022	-	343,555,108	-	14,491,769	14,329,792	-	372,376,670
7	June	2022	-	344,536,961	-	15,172,099	14,568,939	-	374,277,999
8	July	2022	-	347,800,819	-	15,875,131	14,808,086	-	378,484,036
9	August	2022	-	349,496,059	-	16,597,647	15,047,065	-	381,140,771
10	September	2022	-	351,188,746	-	17,374,810	15,285,900	-	383,849,456
11	October	2022	-	351,845,213	-	18,276,263	15,524,983	-	385,646,459
12	November	2022	-	353,556,493	-	19,187,103	15,640,884	-	388,384,480
13	December	2022	-	351,331,743	-	20,124,639	15,883,178	-	387,339,559
14	13-month Average	[A] [C]	-	346,674,285	-	15,380,055	14,555,692	-	376,610,032.34

			Production	Transmission	Distribution	Intangible	General	Common	Total
		[B]	219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c	356.1	
15	December	2021	-	341,478,021	-	11,344,495	13,154,765	-	365,977,282
16	January	2022	-	341,779,142	-	11,935,118	13,391,519	-	367,105,779
17	February	2022	-	343,320,961	-	12,553,916	13,629,768	-	369,504,644
18	March	2022	-	343,753,318	-	13,180,811	13,868,475	-	370,802,604
19	April	2022	-	343,166,654	-	13,826,920	14,090,645	-	371,084,219
20	May	2022	-	343,563,873	-	14,491,769	14,329,792	-	372,385,434
21	June	2022	-	344,545,744	-	15,172,099	14,568,939	-	374,286,782
22	July	2022	-	347,809,621	-	15,875,131	14,808,086	-	378,492,838
23	August	2022	-	349,504,881	-	16,597,647	15,047,065	-	381,149,592
24	September	2022	-	351,197,587	-	17,374,810	15,285,900	-	383,858,297
25	October	2022	-	351,854,072	-	18,276,263	15,524,983	-	385,655,318
26	November	2022	-	353,565,371	-	19,187,103	15,640,884	-	388,393,358
27	December	2022	-	351,340,640	-	20,124,639	15,883,178	-	387,348,457
28	13-month Average		-	346,683,068	-	15,380,055	14,555,692	-	376,618,816

Reserve for Depreciation of Asset Retirement Costs			Production	Transmission	Distribution	Intangible	General	Common
		[B]	Company Records					
29	December	2021	-	8,669	-	-	-	-
30	January	2022	-	8,688	-	-	-	-
31	February	2022	-	8,707	-	-	-	-
32	March	2022	-	8,726	-	-	-	-
33	April	2022	-	8,745	-	-	-	-
34	May	2022	-	8,764	-	-	-	-
35	June	2022	-	8,783	-	-	-	-
36	July	2022	-	8,802	-	-	-	-
37	August	2022	-	8,821	-	-	-	-
38	September	2022	-	8,840	-	-	-	-
39	October	2022	-	8,859	-	-	-	-
40	November	2022	-	8,878	-	-	-	-
41	December	2022	-	8,897	-	-	-	-
42	13-month Average		-	8,783	-	-	-	-

Notes:

- [A] Included on Attachment H-28A, page 2, lines 7-11, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes reserve for depreciation of asset retirement costs

ADIT Calculation

	[1]	[2]	[3]	[4]	[5]	[6]
	ADIT Transmission Total (including Plant & Labor Related Transmission ADITs and applicable transmission adjustments from notes below)					
	Acct. No. 281 (enter negative)	Acct. No. 282 (enter negative)	Acct. No. 283 (enter negative)	Acct. No. 190	Acct. No. 255 (enter negative)	Total
		[C]	[D]	[E]	[F]	
1 December 31 2021	-	(380,473,282)	(2,949,178)	11,124,950	-	(372,297,510)
2 December 31 2022	-	(393,131,776)	(2,836,375)	10,764,461	-	(385,203,690)
3 Begin/End Average [A]	-	(386,802,529)	(2,892,776)	10,944,705	-	(378,750,600)

		Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total
	ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)						
	[B]	273.8.k	275.2.k	277.9.k	234.8.c	267.h	
4 December 31 2021			318,480,306	(18,360,823)	16,805,335	2,030,415	318,955,233
5 December 31 2022			354,978,164	(17,290,811)	15,643,072	1,930,730	355,261,155
6 Begin/End Average		-	336,729,235	(17,825,817)	16,224,204	1,980,572	337,108,194

Notes:

[A] Beginning/Ending Average with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Appendix H-28A, page 2, lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively

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

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

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]
2021	-	(7,181,945)	(54,811,031)	-	-	-	-
2022	-	(6,956,319)	(51,185,262)	-	-	-	19,987,969

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

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]
2021	-	-	(21,310,001)	-	-	-	-
2022	-	-	(19,949,068)	-	-	-	(178,118)

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

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]
2021	-	-	(819,179)	6,499,565	-	-	-
2022	-	-	(602,362)	6,050,192	-	-	(569,218)

[F] See Attachment H-28A, page 5, note K; 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).

[G] Taken from Attachment 5a, page 2, col. 4.

[H] Include any additional adjustments to ADIT items as may be recognized in the future to be proper for PTRR/ATRR calculation purposes.

ADIT Normalization Calculation

[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
	2022 Quarterly Activity and Balances							
Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
11,124,950	(236,876)	10,888,074	(245,028)	10,643,046	(221,986)	10,421,059	(225,817)	10,195,243
Beginning 190 (including adjustments) 11,124,950	Pro-rated Q1 (179,117)		Pro-rated Q2 (124,192)		Pro-rated Q3 (56,561)		Pro-rated Q4 (619)	
Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
380,473,282	8,317,837	388,791,119	8,604,121	397,395,241	7,795,005	405,190,246	7,929,500	413,119,745
Beginning 282 (including adjustments) 380,473,282	Pro-rated Q1 6,289,652		Pro-rated Q2 4,360,993		Pro-rated Q3 1,986,125		Pro-rated Q4 21,725	
Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
2,949,178	(74,122)	2,875,055	(76,673)	2,798,382	(69,463)	2,728,919	(70,662)	2,658,257
Beginning 283 (including adjustments) 2,949,178	Pro-rated Q1 (56,049)		Pro-rated Q2 (38,862)		Pro-rated Q3 (17,699)		Pro-rated Q4 (194)	

ADIT Normalization Calculation

	[1]	[2]	[3]	[4]	[5]
	FERC Form 1 - Year End (sourced from Attachment 5, page 1, line 5)	Prorated year-end less FERC Form 1 Year-end	Sum of FAS143, FAS106, FAS109, CIAC and Other from Attachment 5, page 1, notes	Total Normalization to Attachment 5 (col. 2 - col. 3)	Ending Balance for formula rate (col. 1 - col. 3 - col. 4)
2022 Activity					
<hr/>					
Pro-rated Total	Pro-rated Ending 190				
(360,489)	10,764,461	15,643,072	4,878,612	5,447,830	(569,218) 10,764,461
<hr/>					
Pro-rated Total	Pro-rated Ending 282				
12,658,494	393,131,776	354,978,164	(38,153,612)	(58,141,581)	19,987,969 393,131,776
<hr/>					
Pro-rated Total	Pro-rated Ending 283				
(112,803)	2,836,375	(17,290,811)	(20,127,186)	(19,949,068)	(178,118) 2,836,375

ADIT Detail

For the 12 months ended 12/31/2022

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	<u>BALANCE AS</u>	<u>BALANCE AS</u>	<u>AVERAGE</u>
	<u>OF 12-31-21</u>	<u>OF 12-31-22</u>	<u>BALANCE</u>
ACCOUNT 255:			
Investment Tax Credit	2,030,415	1,930,730	1,980,572
1 TOTAL ACCOUNT 255	<u>2,030,415</u>	<u>1,930,730</u>	
ACCOUNT 282:			
263A Capitalized Overheads	20,624,065	19,805,645	20,214,855
Accelerated Depreciation	281,970,873	308,747,098	295,358,985
AFUDC	4,702,679	5,567,180	5,134,930
AFUDC Equity	9,804,003	11,380,300	10,592,151
Capitalized Benefits	5,001,217	4,828,057	4,914,637
Capitalized Tree Trimming	5,405,329	5,637,699	5,521,514
Casualty Loss	(379,691)	(947,933)	(663,812)
OPEBs	(7,181,945)	(6,956,319)	(7,069,132)
Other	(3,700,659)	(3,937,497)	(3,819,078)
Repairs	66,849,469	73,419,496	70,134,482
FAS109 Related to Property	(64,615,035)	(62,565,562)	(63,590,298)
2 TOTAL ACCOUNT 282	<u>318,480,306</u>	<u>354,978,164</u>	

ADIT Detail

For the 12 months ended 12/31/2022

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 12-31-21</u>	BALANCE AS <u>OF 12-31-22</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 283:			
AFUDC Equity Flow Thru (Gross up)	3,983,499	4,623,969	4,303,734
Property FAS109	(25,439,708)	(24,715,388)	(25,077,548)
Vegetation Management - FERC Adjustment	512,613	340,056	426,334
State Income Tax Deductible	193,099	193,099	193,099
Deferred Charge-EIB	109,757	163,174	136,465
FAS 109 Gross-up on Non-property Items	146,208	142,351	144,279
Lease ROU Asset & Liability	2,133,709	1,961,928	2,047,818
3 TOTAL ACCOUNT 283	<u>(18,360,823)</u>	<u>(17,290,811)</u>	

ADIT Detail

For the 12 months ended 12/31/2022

COLUMN ACOLUMN BCOLUMN CCOLUMN D

BALANCE AS	BALANCE AS	AVERAGE
<u>OF 12-31-21</u>	<u>OF 12-31-22</u>	BALANCE

ACCOUNT 190:

Capitalized Interest	4,911,228	5,777,456	5,344,342
Contribution in Aid of Construction	6,499,565	6,050,192	6,274,878
Federal Long Term - NOL	311,492	311,492	311,492
Investment Tax Credit	824,985	784,482	804,733
PJM Payable	1,044,154	(0)	522,077
NOL Deferred Tax Asset - LT PA	5,217,915	4,456,642	4,837,279
FAS109 Related to Property	(2,004,003)	(1,737,191)	(1,870,597)

4 TOTAL ACCOUNT 190

16,805,335	15,643,072	16,224,204
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1 **Calculation of PBOP Expenses**

2	<u>MAIT</u>	<u>Amount</u>	<u>Source</u>
3	Total FirstEnergy PBOP expenses	(108,686,300)	FirstEnergy 2015 Actuarial Study
4	Labor dollars (FirstEnergy)	2,024,261,894	FirstEnergy 2015 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0537	
6	labor (labor not capitalized) current year	26,064,479	MAIT Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$1,399,449	
8	PBOP expense in Account 926 for current year	(562,331)	MAIT Account 926: Company Records
9	PBOP Adjustment for Attachment H-28A, page 3, line 9 (line 7 - line 8)	(837,118)	

10 Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding

Taxes Other than Income Calculation

		[A]	Dec 31, 2022
1	Payroll Taxes		
1a	FICA	263.i	612,332
1b		263.i	-
1c		263.i	-
1z	Payroll Taxes Total		612,332
2	Highway and Vehicle Taxes		
2a		263.i	-
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a	Property Tax	263.i	111,618
3b			-
3c			-
3z	Property Taxes		111,618
4	Gross Receipts Tax		
4a		263.i	-
4z	Gross Receipts Tax		-
5	Other Taxes		
5a		263.i	-
5b		263.i	-
5c			-
5z	Other Taxes		-
6z	Payments in lieu of taxes		
7	Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5z, 6z) [tie to 114.14c]		\$723,950

Notes:

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

Capital Structure Calculation

For the 12 month:

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	
		Proprietary Capital	Preferred Stock	Account 216.1	Account 219	Goodwill	Common Stock	Long Term Debt	
	[A]	112.16.c	112.3.d	112.12.c	112.15.c	233.5.f	(1) - (2) - (3) - (4) - (5)	112.24.c	
1	December	2021	1,464,138,302			223,591,970	1,240,546,332	863,026,653	
2	January	2022	1,474,181,764			223,591,970	1,250,589,794	862,856,347	
3	February	2022	1,484,324,316			223,591,970	1,260,732,346	862,686,042	
4	March	2022	1,494,807,281			223,591,970	1,271,215,311	862,515,736	
5	April	2022	1,505,688,711			223,591,970	1,282,096,741	862,345,430	
6	May	2022	1,516,678,519			223,591,970	1,293,086,549	862,175,124	
7	June	2022	1,527,957,982			223,591,970	1,304,366,012	862,004,818	
8	July	2022	1,538,685,311			223,591,970	1,315,093,341	961,834,512	
9	August	2022	1,549,813,318			223,591,970	1,326,221,348	961,664,207	
10	September	2022	1,761,079,391			223,591,970	1,537,487,421	961,493,901	
11	October	2022	1,772,363,951			223,591,970	1,548,771,981	961,323,595	
12	November	2022	1,783,471,008			223,591,970	1,559,879,038	961,153,289	
13	December	2022	1,664,131,614			223,591,970	1,440,539,644	960,982,983	
14	13-month Average		1,579,793,959	-	-	-	223,591,970	1,356,201,989	908,158,664

Notes:

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

Stated Value Inputs

**Formula Rate Protocols
Section VIII.A**

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

MAIT's stated ROE is set to: 10.3%

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

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

Total FirstEnergy PBOP expenses (108,686,300)
Labor dollars (FirstEnergy) 2,024,261,894

3. Depreciation Rates

FERC Account	Depr %
352	1.28%
353	2.05%
354	1.39%
355	2.32%
356	2.68%
356.1	1.27%
358	2.52%
359	0.87%
390.1	2.90%
390.2	1.24%
391.1	0.63%
391.2	18.82%
392	4.84%
393	0.01%
394	4.62%
395	0.00%
396	0.47%
397	1.80%
398	0.32%
303	14.29%

4. Net Plant Allocator

If the Net Plant (NP) allocator becomes anything other than 1.000 (or 100%), MAIT must make a Section 205 filing to seek approval of any new depreciation or amortization rates applicable to production and/or distribution plant accounts.

5. Land Rights

If Land Rights (Account 350) are acquired by MAIT, it must make a Section 205 filing to establish the appropriate depreciation rate.

Debt Cost Calculation

TABLE 1: Summary Cost of Long Term Debt										
CALCULATION OF COST OF DEBT										
YEAR ENDED 12/31/2022										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
ts/N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. hh)	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z (col e. * col. FJ12)	Weighted Outstanding Ratio (col. g/col. g total)	Effective Cost Rate (Table 2, Col. ii)	Weighted Debt Cost at t = N (h) * (i)
Long Term Debt Cost at Year End 12/31/2022										
First Mortgage Bonds:										
(1) 4.10%, Senior Unsecured Note	5/10/2018	5/15/2028	\$ 450,000,000	\$ 445,906,699	\$ 448,075,490	12	\$ 448,075,490	49.45%	4.21%	2.08%
(2) 3.60%, Senior Unsecured Note	3/31/2020	4/1/2032	\$ 125,000,000	\$ -	\$ 124,231,771	12	\$ 124,407,882	13.73%	3.66%	0.50%
(3) 3.70%, Senior Unsecured Note	3/31/2020	4/1/2035	\$ 125,000,000	\$ -	\$ 124,231,771	12	\$ 124,372,685	13.73%	3.75%	0.52%
(4) 4.10%, Senior Unsecured Note	5/24/2021	5/15/2028	\$ 150,000,000	\$ 152,715,750	\$ 158,791,327	12	\$ 158,791,327	17.63%	2.76%	0.49%
(5) 3.25%, Senior Unsecured Note - Planned	7/1/2022	7/1/2032	\$ 100,000,000	\$ -	\$ 99,950,098	6	\$ 49,525,048	5.47%	3.37%	0.19%
Total			\$ 950,000,000		\$ 955,687,480		\$ 906,172,433	100.000%		3.77%

t = time
 The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.
 The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.
 The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.
 * z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).
 Return (individual debt) cost calculations shall be taken to four decimals in percentages (7.230%, 4.258%). Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (3.77%).
 ** This Total Weighted Average Debt Cost will be shown on page 4, line 22, column 5 of formula rate Attachment H-28A.

TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:													
YEAR ENDED 12/31/2022													
Long Term Debt Issuances	Affiliate	(aa) Issue Date	(bb) Maturity Date	(cc) Amount Issued	(dd) (Discount) Premium at Issuance	(ee) Issuance Expense	(ff) Loss/Gain on Recacquired Debt	(gg) Less Related ADIT	(hh) Net Proceeds (col. cc + col. dd + col. ee + col. ff)	(ii) Net Proceeds Ratio ((col. cc / col. hh)*100)	(jj) Coupon Rate	(kk) Annual Interest (col. cc * col. jj)	(ll) Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1) 4.10%, Senior Unsecured Note		5/10/2018	5/15/2028	\$ 450,000,000	\$ (112,500)	\$ 3,980,801	-	xxx	\$ 445,906,699	99.0904	0.04100	\$ 18,450,000	4.21%
(2) 3.60%, Senior Unsecured Note		3/31/2020	4/1/2032	\$ 125,000,000	\$ -	\$ 768,229	-	xxx	\$ 124,231,771	99.3854	0.03600	\$ 4,500,000	3.66%
(3) 3.70%, Senior Unsecured Note		3/31/2020	4/1/2035	\$ 125,000,000	\$ -	\$ 768,229	-	xxx	\$ 124,231,771	99.3854	0.03700	\$ 4,625,000	3.75%
(4) 4.10%, Senior Unsecured Note		5/24/2021	5/15/2028	\$ 150,000,000	\$ 14,337,000	\$ 1,621,250	-	xxx	\$ 162,715,750	108.4772	0.04100	\$ 6,150,000	2.76%
(5) 3.25%, Senior Unsecured Note - Planned		7/1/2022	7/1/2032	\$ 100,000,000	\$ -	\$ 1,000,000	-	xxx	\$ 99,000,000	99.0000	0.03250	\$ 3,250,000	3.37%
TOTALS				\$ 950,000,000	14,224,500	\$ 8,138,509	-	xxx	\$ 956,085,991			\$ 36,975,000	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation.
 Effective Cost Rate of Individual Debenture (YTM at Issuance): the t=0 Cashflow C₀ equals Net Proceeds column (gg); Semiannual (or other) interest cashflows (C₁, C₂, etc.).

Transmission Enhancement Charge (TEC) Worksheet
 To be completed in conjunction with Attachment H-28A

(1)	(2)	(3)	(4)
Line No.	Reference	Transmission	Allocator
1	Gross Transmission Plant - Total	Attach. H-28A, p. 2, line 2, col. 5 (Note A)	\$ 2,403,234,613
2	Net Transmission Plant - Total	Attach. H-28A, p. 2, line 14, col. 5 (Note B)	\$ 2,056,560,328
O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-28A, p. 3, line 15, col. 5	\$ 73,921,336
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	3.075910%
GENERAL, INTANGIBLE, AND COMMON (G, I, & C) DEPRECIATION EXPENSE			
5	Total G, I, & C depreciation expense	Attach. H-28A, p. 3, lines 17 & 18, col. 5	\$ 11,693,285
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)	0.486564%
TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-28A, p. 3, line 28, col. 5	\$ 723,950
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)	0.030124%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, & 8	3.592599%
INCOME TAXES			
10	Total Income Taxes	Attach. H-28A, p. 3, line 39, col. 5	\$ 44,016,386
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)	2.140291%
RETURN			
12	Return on Rate Base	Attach. H-28A, p. 3, line 40, col. 5	\$ 138,798,707
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)	6.749073%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	8.889365%

Columns 5-9 (page 1) only applies with incentive ROE project(s) (Note F)

(5)	(6)	(7)	(8)	(9)
Line No.	Reference	Transmission	Allocator	
INCOME TAXES				
10b	Total Income Taxes	Attachment 2, line 33	\$ 44,016,386	
11b	Annual Allocation Factor for Income Taxes	(line 10b divided by line 2, col. 3)	2.140291%	2.140291%
RETURN				
12b	Return on Rate Base	Attachment 2, line 22	\$ 138,798,707	
13b	Annual Allocation Factor for Return on Rate Base	(line 12b divided by line 2, col. 3)	6.749073%	6.749073%
14b	Annual Allocation Factor for Return	Sum of line 11b and 13b		8.889365%
15	Additional Annual Allocation Factor for Return	Line 14b, col. 9 less line 14, col. 4		0.000000%

Transmission Enhancement Charge (TEC) Worksheet
 To be completed in conjunction with Attachment H-28A

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	Additional Incentive Annual Allocation Factor for Return (Note F)	Total Annual Revenue Requirement	True-up Adjustment	Net Revenue Requirement with True-up
			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	Col. 6 * Col. 7	(Note E)	(Sum Col. 5, 8, & 9)	(Col. 6 * Page 1, line 15, Col. 9)	(Sum Col. 10 & 11)	(Note G)	(Sum Col. 12 & 13)
2a	Install 230kV series reactor and 2-100MVAR PLC switched capacitors at Huntstown	b0215	\$ 12,637,431	3.592599%	\$454,012	\$ 9,646,310	8.889366%	\$857,496	\$ 193,353	\$1,504,861	-	\$1,504,861	\$65,654	\$2,160,515
2b	Install 250 MVAR capacitor at Keystone 500 kV	b0549	\$ 3,207,134	3.592599%	\$115,219	\$ 2,700,540	8.889366%	\$240,061	\$ 44,258	\$399,539	-	\$399,539	\$178,111	\$577,650
2c	Install 25 MVAR capacitor at Saxton 115 kV substation	b0551	\$ 1,380,393	3.592599%	\$49,592	\$ 1,056,915	8.889366%	\$93,953	\$ 18,840	\$162,485	-	\$162,485	\$72,534	\$235,019
2d	Install 50 MVAR capacitor at Albion 230 kV substation	b0552	\$ 1,038,335	3.592599%	\$37,303	\$ 900,731	8.889366%	\$80,093	\$ 14,329	\$131,701	-	\$131,701	\$58,652	\$190,354
2e	Install 50 MVAR capacitor at Raystown 230 kV substation	b0553	\$ 927,947	3.592599%	\$33,337	\$ 781,027	8.889366%	\$69,428	\$ 12,806	\$115,571	-	\$115,571	\$15,522	\$167,093
2f	Install 75 MVAR capacitor at East Towanda 230 kV substation	b0557	\$ 2,177,814	3.592599%	\$78,240	\$ 1,833,916	8.889366%	\$163,023	\$ 29,867	\$271,131	-	\$271,131	\$120,665	\$391,796
2g	Relocate the Erie South 345 kV line terminal Convert Lewis Run-Farmers Valley to 230 kV using 1033.5 ACSR conductor. Project to be completed in conjunction with new Farmers Valley 345/230 kV transformation	b1993	\$ 10,675,225	3.592599%	\$383,518	\$ 9,583,320	8.889366%	\$851,898	\$ 147,089	\$1,362,503	-	\$1,362,503	\$12,933	\$1,995,436
2h	b1994	\$ 62,915,689	3.592599%	\$2,260,307	\$ 59,234,867	8.889366%	\$5,265,603	\$ 905,262	\$8,431,173	-	\$8,431,173	\$(1,601,556)	\$6,829,617	
2i	Portland-Kittanning 230kV Terminal Upgrade	b0132.3	\$ 130,995	3.592599%	\$4,706	\$ 103,303	8.889366%	\$9,183	\$ 2,685	\$16,574	-	\$16,574	\$(10,391)	\$6,184
2j	South Lebanon 230/69 kv Bank 1 - Upgrade 69 kv Terminal Facilities	b1364	\$ 87,275	3.592599%	\$3,135	\$ 70,061	8.889366%	\$6,228	\$ 1,789	\$11,153	-	\$11,153	\$(6,973)	\$4,179
2k	Midstown Sub - 69 kv Capacitor Bank	b1362	\$ 47,992	3.592599%	\$1,724	\$ 40,908	8.889366%	\$3,036	\$ 614	\$5,975	-	\$5,975	\$(4,537)	\$1,338
2l	Germanstown - 138kv Reactor Removal	b1816.4	\$ -	3.592599%	\$ -	\$ -	8.889366%	\$ -	\$ -	\$ -	-	\$ -	\$(7,487)	-\$7,487
2m	Germanstown r p 138 115kV #1 Bk. Xfm + Upgrade 138kV 999L & 115kV 999L components RTEP b2688, b2688.1, b2688.2	b2688.1 & b2688.2	\$ 5,870,922	3.592599%	\$210,919	\$ 5,359,050	8.889366%	\$476,385	\$ 120,371	\$807,675	-	\$807,675	\$(279,748)	\$527,928
2n	Loop the 2026 (TM - Hosensack 500 kV) line in to the Lauschtown substation and upgrade relay at TM 500 kV	b2006.1.1_DFAK_All oation	\$ 2,216,837	3.592599%	\$79,642	\$ 1,938,740	8.889366%	\$172,342	\$ 54,534	\$306,518	-	\$306,518	\$8,530	\$395,048
2o	Loop the 2026 (TM - Hosensack 500 kV) line in to the Lauschtown substation and upgrade relay at TM 500 kV	b2006.1.1_Load_Ratl o, Share, Allocation	\$ 2,216,837	3.592599%	\$79,642	\$ 1,938,740	8.889366%	\$172,342	\$ 54,534	\$306,518	-	\$306,518	\$9,140	\$395,657
2p	Install 2nd Hunterstown 230/115 kV transformer	b2482	\$ 6,030,177	3.592599%	\$216,640	\$ 5,361,698	8.889366%	\$476,821	\$ 132,655	\$825,916	-	\$825,916	\$35,100	\$1,161,016
2q	Reconductor Hunterstown - Oxford 115 kV line Reconductor the North Methoppen - Oxford - Lackawanna 230 kV circuit and upgrade terminal equipment (PENELEC portion)	b2452.1	\$ 2,721,123	3.592599%	\$97,761	\$ 2,417,693	8.889366%	\$214,918	\$ 59,678	\$372,576	-	\$372,576	\$10,677	\$543,453
2r	and upgrade terminal equipment (PENELEC portion)	b2552.1	\$ 97,862,842	3.592599%	\$3,515,819	\$ 91,962,994	8.889366%	\$8,174,928	\$ 2,349,143	\$14,039,888	-	\$14,039,888	\$2,518,460	\$26,558,348
2s	tie in new Rice substation to Conemaugh-Hunterstown 500 kV	b2743.2	\$ 4,492,698	3.592599%	\$161,412	\$ 4,476,948	8.889366%	\$397,372	\$ 90,714	\$650,096	-	\$650,096	\$(154,456)	\$495,640
2t	Upgrade terminal equipment at Conemaugh 500 kV on the Conemaugh - H b2743.3	b2743.3	\$ 148,686	3.592599%	\$5,342	\$ 147,797	8.889366%	\$13,138	\$ 3,066	\$21,546	-	\$21,546	\$(2,761)	\$215
2u	Upgrade terminal equipment at Hunterstown 500 kV on the Conemaugh - H b2743.4	b2743.4	\$ 59,245	3.592599%	\$2,128	\$ 59,144	8.889366%	\$5,257	\$ 887	\$8,373	-	\$8,373	\$(7,232)	\$1,140
2v	Install a 120.75 kV 79.4 MVAR capacitor bank at Yorkana 115 kV	b3311	\$ 127,183	3.592599%	\$4,569	\$ 127,075	8.889366%	\$11,296	\$ 1,412	\$17,278	-	\$17,278	-	\$17,278

3 Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7 29,789,050.66
 4 Additional Incentive Revenue taken to Attachment H-28A Page 3, Line 42 \$0.00

- Notes**
- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-28A.
 - B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-28A.
 - 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-28A, page 3, line 16.
 - F Any actual ROE incentive must be approved by the Commission.
 - G True-up adjustment is calculated on the project true-up schedule, attachment 12, column 1.
 - H Based on a 15-month average.

Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Za	Install 230kV series reactor and 2- 100MVAR PLC switched capacitors at Hunterstown	b0215	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431	\$ 12,637,431
Zb	Install 250 MVAR capacitor at Keystone 500 kV	b0849	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134	\$ 3,207,134
Zc	Install 25 MVAR capacitor at Saxton 115 kV substation	b0551	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393	\$ 1,380,393
Zd	Install 50 MVAR capacitor at Altona 230 kV substation	b0552	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335	\$ 1,038,335
Ze	Install 50 MVAR capacitor at Raystown 230 kV substation	b0553	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947	\$ 927,947
Zf	Install 75 MVAR capacitor at East Towanda 230 kV substation	b0557	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814	\$ 2,177,814
Zg	Relocate the Erie South 345 kV line terminal Convey Lewis Run-Farmers Valley to 230 kV using 1033.5 ACSR conductor. Project to be completed in conjunction with new Farmers Valley 345/230 kV transformation	b1993	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225	\$ 10,675,225
Zh	Portland-Kittatinny 230kV Terminal Upgrade	b1994	\$ 62,915,669	\$ 62,808,095	\$ 63,529,213	\$ 63,536,825	\$ 62,795,032	\$ 62,794,276	\$ 62,794,276	\$ 62,794,573	\$ 62,810,929	\$ 62,808,095	\$ 62,808,095	\$ 62,808,095	\$ 62,808,095	\$ 62,808,095
Zi	South Lebanon 230/69 kv Bank 1 - Upgrade 69 kv Terminal Facilities	b0132.3	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995	\$ 130,995
Zj	Middletown Sub - 69 kv Capacitor Bank	b1364	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275	\$ 87,275
Zk	Germanstown - 138kv Reactor Removal	b1362	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992	\$ 47,992
Zl		b1816.4	\$ -	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Zm	Germanstown r p 138 115kV #1 Bk Xfar + Upgrade 138kV 999L & 115kV 998L components RTEP b2688, b2688.1, b2688.2	b2688.1 & b2688.2	\$ 5,870,922	\$ 5,860,795	\$ 5,928,043	\$ 5,928,043	\$ 5,860,076	\$ 5,860,076	\$ 5,860,115	\$ 5,860,201	\$ 5,860,657	\$ 5,860,795	\$ 5,860,795	\$ 5,860,795	\$ 5,860,795	\$ 5,860,795
Zn	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Laushtown substation and upgrade relay at TMI 500 kV	b2006.1.1_DFAX_Allocat	\$ 2,216,837	\$ 2,217,035	\$ 2,215,749	\$ 2,215,749	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035
Zo	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Laushtown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Ratio_SI	\$ 2,216,837	\$ 2,217,035	\$ 2,215,749	\$ 2,215,749	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035	\$ 2,217,035
Zp	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 6,030,177	\$ 6,035,197	\$ 6,023,255	\$ 6,023,255	\$ 6,023,255	\$ 6,023,255	\$ 6,023,255	\$ 6,031,016	\$ 6,033,835	\$ 6,035,197	\$ 6,035,197	\$ 6,035,197	\$ 6,035,197	\$ 6,035,197
Zq	Reconductor Hunterstown - Oxford 115 kV line Reconductor the North Meshoppen - Oxbow - Lackawanna 230 kV circuit and upgrade terminal equipment (PENELEC portion)	b2452.1	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723	\$ 2,721,723
Zr	Tie in new Rice substation to Conemaugh-Hunterstown 500 kV	b2522.1	\$ 97,645,575	\$ 97,645,575	\$ 98,139,508	\$ 98,250,174	\$ 98,154,653	\$ 98,038,667	\$ 98,043,846	\$ 98,071,433	\$ 97,645,211	\$ 97,645,575	\$ 97,645,575	\$ 97,645,575	\$ 97,645,575	\$ 97,645,575
Zs	Upgrade terminal equipment at Conemaugh - Hunterstown 500 kV circuit	b2743.2	\$ 4,492,898	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Zt	Upgrade terminal equipment at Conemaugh 500 kV; on the Conemaugh - Hunterstown 500 kV circuit	b2743.3	\$ 148,686	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 276,132	\$ 276,132	\$ 276,132	\$ 276,132	\$ 276,132	\$ 276,132	\$ 276,132
Zu	Upgrade terminal equipment at Hunterstown 500 kV; on the Conemaugh - Hunterstown 500 kV circuit	b2743.4	\$ 39,245	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 385,091	\$ 385,091
Zv	Install a 120.75 kV 79.4 MVAR capacitor bank at Yorkana 115 kV	b3311	\$ 127,183	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,653,383

NOTE
[A]Project Gross Plant is the total capital investment for the project, including subsequent capital investments required to maintain the project in-service. Utilizing a 13-month average.

TEC Worksheet Support
Net Plant Detail

Attachment H-28A, Attachment 11a
page 2 of 2
For the 12 months ended 12/31/2022

Accumulated Depreciation (Note B)	Dec-21 (Note D)	Jan-22 (Note D)	Feb-22 (Note D)	Mar-22 (Note D)	Apr-22 (Note D)	May-22 (Note D)	Jun-22 (Note D)	Jul-22 (Note D)	Aug-22 (Note D)	Sep-22 (Note D)	Oct-22 (Note D)	Nov-22 (Note D)	Dec-22 (Note D)	Project Net Plant (Note B & C)
\$2,991,122	\$2,894,445	\$2,910,558	\$2,926,671	\$2,942,784	\$2,958,896	\$2,975,009	\$2,991,122	\$3,007,234	\$3,023,347	\$3,039,460	\$3,055,573	\$3,071,685	\$3,087,798	\$9,646,310
\$506,594	\$484,465	\$488,153	\$491,842	\$495,530	\$499,218	\$502,906	\$506,594	\$510,283	\$513,971	\$517,659	\$521,347	\$525,035	\$528,724	\$2,700,540
\$323,478	\$314,008	\$315,586	\$317,165	\$318,743	\$320,321	\$321,900	\$323,478	\$325,056	\$326,635	\$328,213	\$329,791	\$331,369	\$332,948	\$1,056,915
\$137,604	\$130,439	\$131,633	\$132,827	\$134,021	\$135,215	\$136,410	\$137,604	\$138,798	\$139,992	\$141,186	\$142,380	\$143,574	\$144,768	\$900,731
\$146,920	\$140,517	\$141,584	\$142,651	\$143,718	\$144,785	\$145,852	\$146,920	\$147,987	\$149,054	\$150,121	\$151,188	\$152,255	\$153,322	\$781,027
\$343,899	\$328,965	\$331,454	\$333,943	\$336,432	\$338,921	\$341,410	\$343,899	\$346,387	\$348,876	\$351,365	\$353,854	\$356,343	\$358,832	\$1,833,916
\$1,091,905	\$1,018,360	\$1,030,618	\$1,042,875	\$1,055,133	\$1,067,390	\$1,079,648	\$1,091,905	\$1,104,162	\$1,116,420	\$1,128,677	\$1,140,935	\$1,153,192	\$1,165,450	\$9,583,320
\$3,680,802	\$3,227,577	\$3,303,308	\$3,379,039	\$3,454,770	\$3,530,501	\$3,606,232	\$3,681,963	\$3,757,694	\$3,833,425	\$3,909,156	\$3,984,887	\$4,060,618	\$4,136,349	\$59,234,867
\$27,693	\$26,350	\$26,574	\$26,797	\$27,021	\$27,245	\$27,469	\$27,693	\$27,916	\$28,140	\$28,364	\$28,588	\$28,811	\$29,035	\$103,303
\$17,214	\$16,319	\$16,468	\$16,618	\$16,767	\$16,916	\$17,065	\$17,214	\$17,363	\$17,512	\$17,661	\$17,810	\$17,959	\$18,108	\$70,061
\$7,084	\$6,777	\$6,828	\$6,879	\$6,930	\$6,982	\$7,033	\$7,084	\$7,135	\$7,186	\$7,238	\$7,289	\$7,340	\$7,391	\$40,908
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$511,872	\$451,608	\$461,677	\$471,804	\$481,873	\$491,884	\$501,895	\$511,906	\$521,918	\$531,930	\$541,942	\$551,954	\$561,967	\$571,979	\$5,359,050
\$278,097	\$250,832	\$255,376	\$259,918	\$264,462	\$269,007	\$273,552	\$278,097	\$282,642	\$287,186	\$291,731	\$296,276	\$300,821	\$305,366	\$1,938,740
\$278,097	\$250,832	\$255,376	\$259,918	\$264,462	\$269,007	\$273,552	\$278,097	\$282,642	\$287,186	\$291,731	\$296,276	\$300,821	\$305,366	\$1,938,740
\$668,479	\$602,177	\$613,231	\$624,273	\$635,316	\$646,359	\$657,401	\$668,451	\$679,511	\$690,574	\$701,638	\$712,703	\$723,767	\$734,832	\$5,361,698
\$304,030	\$274,091	\$279,081	\$284,071	\$289,061	\$294,050	\$299,040	\$304,030	\$309,020	\$314,010	\$318,999	\$323,989	\$328,979	\$333,969	\$2,417,693
\$5,899,848	\$4,724,107	\$4,919,893	\$5,116,282	\$5,312,687	\$5,508,880	\$5,704,963	\$5,901,078	\$6,096,795	\$6,292,086	\$6,487,377	\$6,682,668	\$6,877,959	\$7,073,250	\$91,962,994
\$15,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,959	\$38,878	\$64,796	\$90,714	\$4,476,948
\$889	\$0	\$0	\$0	\$0	\$0	\$0	\$236	\$708	\$1,179	\$1,651	\$2,123	\$2,594	\$3,066	\$147,797
\$101	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$329	\$987	\$0	\$59,144
\$109	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,412	\$127,075

NOTE [B] Utilizing a 13-month average. [C] Taken to Attachment 11, Page 2, Col. 6 [D] Company records

TEC - True-up
To be completed after Attachment 11 for the True-up Year is updated using actual data

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
Line No.	Project Name	RTEP Project Number	Actual Revenues for Appendix D	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement	True-up Adjustment Principal Over/(Under)	Applicable Interest Rate on Over/(Under)	Total True-up Adjustment with Interest Over/(Under)
			Projected Attachment 11 p 2 of 2, col. 14	Col d, line 2 / Col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 14	Col. f - Col. G	Col. H line 2x / Col. H line 3 * Col. J line 4	Col. h + Col. i	
1	[A] Actual RTEP Credit Revenues for true-up year		15,935,929							
2a	Install 230kV series reactor and 2- 100MVAR PLC switched capacitors at	b0215		\$1,350,447	0.06	1,021,497.41	\$1,628,177	(606,679)	(48,975)	(655,654)
2b	Install 250 MVAR capacitor at Keystone 500 kV	b0549		\$350,150	0.02	264,858.25	\$429,665	(164,807)	(13,304)	(178,111)
2c	Install 25 MVAR capacitor at Saxton 115 kV substation	b0551		\$143,377	0.01	108,452.55	\$175,569	(67,116)	(5,418)	(72,534)
2d	Install 50 MVAR capacitor at Altoona 230 kV substation	b0552		\$115,214	0.01	87,149.78	\$141,421	(54,271)	(4,381)	(58,652)
2e	Install 50 MVAR capacitor at Raystown 230 kV substation	b0553		\$101,288	0.00	76,615.49	\$124,289	(47,673)	(3,848)	(51,522)
2f	Install 75 MVAR capacitor at East Towanda 230 kV substation	b0557		\$237,837	0.01	179,903.05	\$291,555	(111,652)	(9,013)	(120,665)
2g	Relocate the Erie South 345 kV line terminal	b1993		\$1,205,508	0.06	911,863.68	\$1,479,013	(567,149)	(45,784)	(612,933)
2h	Convert Lewis Run-Farmers Valley to 230 kV using 1033.5 ACSR conduct	b1994		\$13,956,274	0.66	10,556,728.05	\$9,074,802	1,481,926	119,630	1,601,556
2i	Portland-Kittatiny 230kV Terminal Upgrade	b0132.3		\$36,465	0.00	27,582.78	\$17,968	9,615	776	10,391
2j	South Lebanon 230/69 kv Bank 1 - Upgrade 69 kv Terminal Facilities	b1364		\$24,499	0.00	18,531.39	\$12,079	6,453	521	6,973
2k	Middletown Sub - 69 kv Capacitor Bank	b1362		\$14,164	0.00	10,714.13	\$6,424	4,290	346	4,637
2l	Germantown - 138kv Reactor Removal	b1816.4		\$9,255	0.00	7,000.52	\$91	6,910	558	7,467
2m	Germantown r p 138 115kV #1 Bk Xfmr + Upgrade 138kV 999L & 115kV	b2688.1 & b2688.2		\$1,502,687	0.07	1,136,654.31	\$877,803	258,851	20,896	279,748
2n	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lauschtown subst	006.1.1_DFAX_Allocation		\$329,649	0.02	249,351.08	\$331,269	(81,917)	(6,613)	(88,530)
2o	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lauschtown subst.	1_Load_Ratio_Share_Allocation		\$377,834	0.02	285,799.21	\$331,269	(45,469)	(3,671)	(49,140)
2p	Install 2nd Hunterstown 230/115 kV transformer	b2452		\$766,387	0.04	579,705.89	\$889,775	(310,069)	(25,031)	(335,100)
2q	Reconductor Hunterstown - Oxford 115 kV line	b2452.1		\$322,278	0.02	243,775.37	\$401,889	(158,113)	(12,764)	(170,877)
2r	Reconductor the North Meshoppen - Oxbow - Lackawanna 230 kV circuit and upgrade terminal equipment (PENELEC portion)	b2552.1		\$0	-	-	\$11,583,377	(11,583,377)	(935,083)	(12,518,460)
2s	Tie in new Rice substation to Conemaugh-Hunterstown 500 kV Upgrade terminal equipment at Conemaugh 500 kV: on the Conemaugh	b2743.2		\$188,942	0.01	142,918.40	\$0	142,918	11,537	154,456
2t	- Hunterstown 500 kV circuit Upgrade terminal equipment at Hunterstown 500 kV: on the Conemaugh	b2743.3		\$26,619	0.00	20,135.37	\$0	20,135	1,625	21,761
2u	- Hunterstown 500 kV circuit	b2743.4		\$8,847	0.00	6,692.14	\$0	6,692	540	7,232
2v	Install a 120.75 kV 79.4 MVAR capacitor bank at Yorkana 115 kV	b3311		\$0	-	-	\$0	-	-	-
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
				-	-	-	-	-	-	-
3	Subtotal			21,067,720			27,796,433	(11,860,504)		(12,817,959)
4	Total Interest (Sourced from Attachment 13a, line 30)									(957,454)

NOTE
[A] Amount included in revenues reported on pages 328-330 of FERC Form 1.

Net Revenue Requirement True-up with Interest

Reconciliation Revenue Requirement For Year 2020 Available June 1, 2021 \$222,114,152	2020 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 07, 2019 \$237,340,381	True-up Adjustment - Over (Under) Recovery \$15,226,229
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	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
2 Interest Rate on Amount of Refunds or Surcharges ^[A]		0.3145%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>		<u>Monthly</u>				
3 January	Year 2020	1,268,852	0.3145%	12	(47,886)	(1,316,739)
4 February	Year 2020	1,268,852	0.3145%	11	(43,896)	(1,312,748)
5 March	Year 2020	1,268,852	0.3145%	10	(39,905)	(1,308,758)
6 April	Year 2020	1,268,852	0.3145%	9	(35,915)	(1,304,767)
7 May	Year 2020	1,268,852	0.3145%	8	(31,924)	(1,300,777)
8 June	Year 2020	1,268,852	0.3145%	7	(27,934)	(1,296,786)
9 July	Year 2020	1,268,852	0.3145%	6	(23,943)	(1,292,796)
10 August	Year 2020	1,268,852	0.3145%	5	(19,953)	(1,288,805)
11 September	Year 2020	1,268,852	0.3145%	4	(15,962)	(1,284,815)
12 October	Year 2020	1,268,852	0.3145%	3	(11,972)	(1,280,824)
13 November	Year 2020	1,268,852	0.3145%	2	(7,981)	(1,276,833)
14 December	Year 2020	1,268,852	0.3145%	1	(3,991)	(1,272,843)
					(311,262)	(15,537,491)
		Annual				
15 January through December	Year 2021	(15,537,491)	0.3145%	12	(586,385)	(16,123,876)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>		<u>Monthly</u>				
16 January	Year 2022	16,123,876	0.3145%		(50,710)	1,371,282
17 February	Year 2022	14,803,303	0.3145%		(46,556)	1,371,282
18 March	Year 2022	13,478,578	0.3145%		(42,390)	1,371,282
19 April	Year 2022	12,149,686	0.3145%		(38,211)	1,371,282
20 May	Year 2022	10,816,614	0.3145%		(34,018)	1,371,282
21 June	Year 2022	9,479,350	0.3145%		(29,813)	1,371,282
22 July	Year 2022	8,137,881	0.3145%		(25,594)	1,371,282
23 August	Year 2022	6,792,192	0.3145%		(21,361)	1,371,282
24 September	Year 2022	5,442,272	0.3145%		(17,116)	1,371,282
25 October	Year 2022	4,088,105	0.3145%		(12,857)	1,371,282
26 November	Year 2022	2,729,680	0.3145%		(8,585)	1,371,282
27 December	Year 2022	1,366,983	0.3145%		(4,299)	1,371,282
					(331,510)	-
28 True-Up with Interest						\$ 16,455,386
29 Less Over (Under) Recovery						\$ 15,226,229
30 Total Interest						\$ 1,229,157

[A] Interest rate equal to: (i) MAIT's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19a; or (ii) the interest rate determined by 18 C.F.R. 35.19, if MAIT does not have short term debt

TEC Revenue Requirement True-up with Interest

TEC Reconciliation Revenue Requirement For Year 2020 Available June 1, 2021	TEC 2020 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 07, 2019	True-up Adjustment - Over (Under) Recovery
\$27,796,433	\$15,935,929	(\$11,860,504)

	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
2 Interest Rate on Amount of Refunds or Surcharges ^[A]		0.3145%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

Calculation of Interest

				Monthly			
3	January	Year 2020	(988,375)	0.3145%	12	37,301	1,025,677
4	February	Year 2020	(988,375)	0.3145%	11	34,193	1,022,568
5	March	Year 2020	(988,375)	0.3145%	10	31,084	1,019,460
6	April	Year 2020	(988,375)	0.3145%	9	27,976	1,016,351
7	May	Year 2020	(988,375)	0.3145%	8	24,868	1,013,243
8	June	Year 2020	(988,375)	0.3145%	7	21,759	1,010,134
9	July	Year 2020	(988,375)	0.3145%	6	18,651	1,007,026
10	August	Year 2020	(988,375)	0.3145%	5	15,542	1,003,918
11	September	Year 2020	(988,375)	0.3145%	4	12,434	1,000,809
12	October	Year 2020	(988,375)	0.3145%	3	9,325	997,701
13	November	Year 2020	(988,375)	0.3145%	2	6,217	994,592
14	December	Year 2020	(988,375)	0.3145%	1	3,108	991,484
						242,458	12,102,963

				Annual			
15	January through December	Year 2021	12,102,963	0.3145%	12	456,766	12,559,728

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

						Monthly		
16	January	Year 2022	(12,559,728)	0.3145%		39,500	(1,068,163)	11,531,065
17	February	Year 2022	(11,531,065)	0.3145%		36,265	(1,068,163)	10,499,167
18	March	Year 2022	(10,499,167)	0.3145%		33,020	(1,068,163)	9,464,024
19	April	Year 2022	(9,464,024)	0.3145%		29,764	(1,068,163)	8,425,625
20	May	Year 2022	(8,425,625)	0.3145%		26,499	(1,068,163)	7,383,961
21	June	Year 2022	(7,383,961)	0.3145%		23,223	(1,068,163)	6,339,020
22	July	Year 2022	(6,339,020)	0.3145%		19,936	(1,068,163)	5,290,793
23	August	Year 2022	(5,290,793)	0.3145%		16,640	(1,068,163)	4,239,269
24	September	Year 2022	(4,239,269)	0.3145%		13,333	(1,068,163)	3,184,439
25	October	Year 2022	(3,184,439)	0.3145%		10,015	(1,068,163)	2,126,290
26	November	Year 2022	(2,126,290)	0.3145%		6,687	(1,068,163)	1,064,814
27	December	Year 2022	(1,064,814)	0.3145%		3,349	(1,068,163)	0
						258,230		

28	True-Up with Interest	\$	(12,817,959)
29	Less Over (Under) Recovery	\$	(11,860,504)
30	Total Interest	\$	(957,454)

[A] Interest rate equal to: (i) MAIT's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19a; or (ii) the interest rate determined by 18 C.F.R. 35.19, if MAIT does not have short term debt

Other Rate Base Items

Line No.	Description	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
		BALANCE AS OF 12-31-21	BALANCE AS OF 12-31-22	AVERAGE BALANCE			
1	Land Held for Future Use (214.x.d)	0	0	-			
2	Materials & Supplies (227.8.c & .16.c)	0	0	-			
3	Prepayments: Account 165 (111.57.c) - Note [A]	336,749	336,749	336,749			

Unfunded Reserves

Line No.	Description	BALANCE AS OF 12-31-21	BALANCE AS OF 12-31-22	AVERAGE BALANCE	ALLOCATION FACTOR	TRANSMISSION TOTAL (Col D times Col F)
Account 228.1						
4a	Property Insurance (Self insurance not covered by property insurance)	0	0	0 GP	1.00	0
4b	[Insert Item Included in Account 228.1 that are not allocated to transmission]	0	0	0 Other	0	0
4c	[Insert Item Included in Account 228.1 that are not allocated to transmission]	0	0	0 Other	0	0
4z	Total Account 228.1 (112.27.c)	0	0			0
Account 228.2						
5a	Workman's Compensation	0	0	0 W/S	1.00	0
5b	Probable liabilities not covered by insurance for death or injuries to employees and others	0	0	0 W/S	1.00	0
5c	Probable liabilities not covered by insurance for damages to property neither owned nor held under lease by the utility	0	0	0 GP	1.00	0
5d	[Insert Item Included in Account 228.2 that are not allocated to transmission]	0	0	0 Other	0	0
5e	[Insert Item Included in Account 228.2 that are not allocated to transmission]	0	0	0 Other	0	0
5z	Total Account 228.2 (112.28.c)	0	0			0
Account 228.3						
6a	Year-End Vacation Pay Accrual	0	0	0 W/S	1.00	0
6b	Year-End Deferred Compensation Accrual	0	0	0 W/S	1.00	0
6c	Year-End Sick Pay Accrual	0	0	0 W/S	1.00	0
6d	Year-End Incentive Compensation Accrual	0	0	0 W/S	1.00	0
6e	Year-End Severance Pay Accrual	0	0	0 W/S	1.00	0
6f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S	1.00	0
6g	[Insert Item Included in Account 228.3 that are not allocated to transmission]	0	0	0 Other	0	0
6h	[Insert Item Included in Account 228.3 that are not allocated to transmission]	0	0	0 Other	0	0
6z	Total Account 228.3 (112.29.c)	0	0			0
Account 228.4						
7a	Year-End Vacation Pay Accrual	0	0	0 W/S	1.00	0
7b	Year-End Deferred Compensation Accrual	0	0	0 W/S	1.00	0
7c	Year-End Sick Pay Accrual	0	0	0 W/S	1.00	0
7d	Year-End Incentive Compensation Accrual	0	0	0 W/S	1.00	0
7e	Year-End Severance Pay Accrual	0	0	0 W/S	1.00	0
7f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S	1.00	0
7g	[Insert Item Included in Account 228.4 that are not allocated to transmission]	0	0	0 Other	0	0
7h	[Insert Item Included in Account 228.4 that are not allocated to transmission]	0	0	0 Other	0	0
7z	Total Account 228.4 (112.30.c)	0	0			0
Account 242						
8a	Year-End Vacation Pay Accrual	0	0	- W/S	1.00	-
8b	Year-End Deferred Compensation Accrual	0	0	0 W/S	1.00	-
8c	Year-End Sick Pay Accrual	0	0	0 W/S	1.00	-
8d	Year-End Incentive Compensation Accrual	0	0	0 W/S	1.00	-
8e	Year-End Severance Pay Accrual	0	0	0 W/S	1.00	-
8f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S	1.00	-
8g	[Insert Item Included in Account 242 that are not allocated to transmission]	0	-	- Other	0	-
8h	[Insert Item Included in Account 242 that are not allocated to transmission]	0	0	0 Other	0	-
8z	Total Account 242 (113.48.c)	0	-			-
9	Total Unfunded Reserves Plant-related (Items with GP allocator) - Note [B]	0	0	0 GP	1.00	-
10	Total Unfunded Reserves Labor-related (Items with W/S allocator) - Note [C]	0	-	- W/S	1.00	-

Notes:

- [A] Prepayments shall exclude prepayments of income taxes.
- [B] Column G balance taken to Attachment H-28A, page 2, line 24, col. 3
- [C] Column G balance taken to Attachment H-28A, page 2, line 25, col. 3

[1]	Income Tax Adjustments			[4]	[5]	[6]
	[2]	[3]	Dec 31,	Dec 31,		
			<u>2022</u>	<u>2022</u>	<u>Reference</u>	
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	\$326,807	\$326,807	\$326,807	MAIT Company Records	
2 Amortized Excess Deferred Taxes (enter negative)	[B]	(1,135,779)	-\$1,135,779	-\$1,135,779	MAIT Company Records	
3 Amortized Deficient Deferred Taxes	[B]	-	-	-	MAIT Company Records	

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. Amounts to be included will be January 1, 2017 and thereafter.

[C] (Column 4 + Column 5)/2; Beg/End Average for line 1 included on Attachment H-28A, page 3, line 33; Beg/End Average for lines 2-3 taken to Attachment H-28A, page 3, line 34

Regulatory Asset - Deferred Storms

[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (Company Records)	[6] Additions (Deductions)	[7] Ending Balance
1	Monthly Balance	Source				
2	December 2021	p232 (and Notes)	13			-
3	January	FERC Account 182.3	12	-	-	-
4	February	FERC Account 182.3	11	-	-	-
5	March	FERC Account 182.3	10	-	-	-
6	April	FERC Account 182.3	9	-	-	-
7	May	FERC Account 182.3	8	-	-	-
8	June	FERC Account 182.3	7	-	-	-
9	July	FERC Account 182.3	6	-	-	-
10	August	FERC Account 182.3	5	-	-	-
11	September	FERC Account 182.3	4	-	-	-
12	October	FERC Account 182.3	3	-	-	-
13	November	FERC Account 182.3	2	-	-	-
14	December 2022	p232 (and Notes)	1	-	-	-
15	Ending Balance 13-Month Average	(sum lines 2-14) /13				
				<u>-</u>	<u>-</u>	<u>-</u>
				Attachment H-28A, page 3, line 11		Attachment H-28A, page 2, Line 27

Regulatory Asset - Vegetation Management

[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (Company Records)	[6] Additions (Deductions)	[7] Ending Balance
1	Monthly Balance	Source				
2	December 2021	p232 (and Notes)	37			1,791,741
3	January	FERC Account 182.3	36	1,791,741	49,771	1,791,741
4	February	FERC Account 182.3	35	1,791,741	51,193	1,740,549
5	March	FERC Account 182.3	34	1,740,549	51,193	1,689,356
6	April	FERC Account 182.3	33	1,689,356	51,193	1,638,163
7	May	FERC Account 182.3	32	1,638,163	51,193	1,586,971
8	June	FERC Account 182.3	31	1,586,971	51,193	1,535,778
9	July	FERC Account 182.3	30	1,535,778	51,193	1,484,585
10	August	FERC Account 182.3	29	1,484,585	51,193	1,433,393
11	September	FERC Account 182.3	28	1,433,393	51,193	1,382,200
12	October	FERC Account 182.3	27	1,382,200	51,193	1,331,008
13	November	FERC Account 182.3	26	1,331,008	51,193	1,279,815
14	December 2022	p232 (and Notes)	25	1,279,815	51,193	1,228,622
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		<u>\$612,889</u>		<u>1,531,840</u>

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

		Regulatory Asset - Start-up Costs				
[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Months Remaining In Amortization Period	Beginning Balance	Amortization Expense (Company Records)	Additions (Deductions)	Ending Balance
1	Monthly Balance	Source				
2	December 2021	p232 (and Notes)	13			-
3	January	FERC Account 182.3	12	-	-	-
4	February	FERC Account 182.3	11	-	-	-
5	March	FERC Account 182.3	10	-	-	-
6	April	FERC Account 182.3	9	-	-	-
7	May	FERC Account 182.3	8	-	-	-
8	June	FERC Account 182.3	7	-	-	-
9	July	FERC Account 182.3	6	-	-	-
10	August	FERC Account 182.3	5	-	-	-
11	September	FERC Account 182.3	4	-	-	-
12	October	FERC Account 182.3	3	-	-	-
13	November	FERC Account 182.3	2	-	-	-
14	December 2022	p232 (and Notes)	1	-	-	-
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		<u>\$0.00</u>		<u>-</u>

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

		Abandoned Plant				
[1]	[2]	[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (p114.10.c)	[6] Additions (Deductions)	[7] Ending Balance
1	Monthly Balance					
2	December 2021	p111.71.d (and Notes)	13			-
3	January	FERC Account 182.2	12	-	-	-
4	February	FERC Account 182.2	11	-	-	-
5	March	FERC Account 182.2	10	-	-	-
6	April	FERC Account 182.2	9	-	-	-
7	May	FERC Account 182.2	8	-	-	-
8	June	FERC Account 182.2	7	-	-	-
9	July	FERC Account 182.2	6	-	-	-
10	August	FERC Account 182.2	5	-	-	-
11	September	FERC Account 182.2	4	-	-	-
12	October	FERC Account 182.2	3	-	-	-
13	November	FERC Account 182.2	2	-	-	-
14	December 2022	p111.71.c (and Notes) Detail on p230b	1	-	-	-
15	Ending Balance 13-Month Average (sum lines 2-14) /13			<u>\$0.00</u>		<u>\$0.00</u>

Attachment H-28A, page 3, Line 19

Attachment H-28A, page 2, Line 28

Note:
Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC and will be zero until the Commission accepts or approves recovery of the cost of abandoned plant

			CWIP
			[A]
			216.b
1	December	2021	
2	January	2022	
3	February	2022	
4	March	2022	
5	April	2022	
6	May	2022	
7	June	2022	
8	July	2022	
9	August	2022	
10	September	2022	
11	October	2022	
12	November	2022	
13	December	2022	
14	13-month Average		-

Notes:

[A] Includes only CWIP authorized by the Commission for inclusion in rate base.

Federal Income Tax Rate

Nominal Federal Income Tax Rate	21.00%
(entered on Attachment H-28A, page 5 of 5, Note K)	

State Income Tax Rate

	Pennsylvania	Combined Rate
		(entered on Attachment H-28A, page 5 of 5, Note K)
Nominal State Income Tax Rate	9.99%	
Times Apportionment Percentage	100.00%	
Combined State Income Tax Rate	<u>9.990%</u>	<u>9.990%</u>

Operation and Maintenance Expenses

Line No. [a]	Account Reference	Description	Account Balance [b]
82		<i>Operation</i>	
83	560	Operation Supervision and Engineering	\$307,395
84			
85	561.1	Load Dispatch-Reliability	\$1,264,721
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$149,886
87	561.3	Load-Dispatch-Transmission Service and Scheduling	
88	561.4	Scheduling, System Control and Dispatch Services	
89	561.5	Reliability, Planning and Standards Development	\$232,821
90	561.6	Transmission Service Studies	
91	561.7	Generation Interconnection Studies	
92	561.8	Reliability, Planning and Standards Development Services	
93	562	Station Expenses	\$642,112
94	563	Overhead Lines Expense	\$58,663
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	
97	566	Miscellaneous Transmission Expense	\$9,024,913
98	567	Rents	\$13,256,235
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$24,936,745
100		<i>Maintenance</i>	
101	568	Maintenance Supervision and Engineering	\$6,925,379
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$13,605
104	569.2	Maintenance of Computer Software	\$55,059
105	569.3	Maintenance of Communication Equipment	
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$6,920,893
108	571	Maintenance of Overhead Lines	\$35,925,709
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$226,633
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$50,067,276
112		TOTAL Transmission Expenses (Total of lines 99 and 111) [c]	\$75,004,022

Notes:

- [a] Line No. as would be reported in FERC Form 1, page 321
- [b] December balances as would be reported in FERC Form 1
- [c] Ties to Attachment H-28A, page 3, line 1, column 3
Above expenses do not include amounts for Met-Ed's 34.5 kV transmission lines

Administrative and General (A&G) Expenses

Line No. [d]	Account Reference	Description	Account Balance [e]
180		<i>Operation</i>	
181	920	Administrative and General Salaries	
182	921	Office Supplies and Expenses	\$108,400
183	Less 922	Administrative Expenses Transferred - Credit	
184	923	Outside Services Employed	\$8,261,147
185	924	Property Insurance	\$349,586
186	925	Injuries and Damages	\$1,033,473
187	926	Employee Pensions and Benefits	-\$10,133,235
188	927	Franchise Requirements	
189	928	Regulatory Commission Expense	
190	Less 929	(Less) Duplicate Charges-Cr.	
191	930.1	General Advertising Expenses	\$169,950
192	930.2	Miscellaneous General Expenses	\$32,000
193	931	Rents	\$12,926
194		Total Operation (Enter Total of lines 181 thru 193)	-\$165,753
195		<i>Maintenance</i>	
196	935	Maintenance of General Plant	\$891,853
197		TOTAL A&G Expenses (Total of lines 194 and 196) [f]	\$726,100

Notes:

- [d] Line No. as would be reported in FERC Form 1, page 323
- [e] December balances as would be reported in FERC Form 1
- [f] Ties to Attachment H-28A, page 3, line 5, column 3
Above expenses do not include amounts for Met-Ed's 34.5 kV transmission lines

Revenue Credit Worksheet

(See Footnote T on Attachment H-28A, page 5)

			December 31, 2022	
1	Account 451 -- Miscellaneous Service Revenues	FERC Form 1 , page 300 and footnote data	<u>Amount</u>	Note S, page 5
1a			\$ -	
1z	Account 451 Total		\$0	
2	Account 454 -- Rent from Electric Property	FERC Form 1, pages 300 and 429		Note R, page 5
2a	Transmission Charge - TMI Unit 1		\$ 1,998,563	
2b	Transmission Investment - Power Pool Agreement		\$ 1,762,525	
2z	Account 454 Total		\$3,761,088	
3	Account 456 -- Other Electric Revenues	FERC Form 1, page 330 and footnote data		Note V, page 5
3a	Point-to-point Revenues		\$ 2,633,903	
3b	Facility Maintenance Charges		\$ 266,000	
3z	Account 456 Total		\$2,899,903	