

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2018

Line No.	(1)	(2)	(3)	(4)	(5)
					Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 43, col 5]				\$ 157,048,022
	REVENUE CREDITS	(Note T)	<u>Total</u>	<u>Allocator</u>	
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)	1,397,264	TP 1.00000	1,397,264
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	<u>6,458,031</u>	TP 1.00000	<u>6,458,031</u>
8	TOTAL REVENUE CREDITS (sum lines 2-7)		11,616,383		11,616,383
9	True-up Adjustment with Interest	Attachment 13, Line 28			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 145,431,639
	DIVISOR				<u>Total</u>
11	1 Coincident Peak (CP) (MW)			(Note A)	5,786.8
12	Average 12 CPs (MW)			(Note CC)	5,063.5
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	<u>Total</u> 25,131.56		
			<u>Peak Rate</u>		<u>Off-Peak Rate</u>
14	Point-to-Point Rate (\$/MW/Year)	(line 10 / line 12)	<u>Total</u> 28,721.33		<u>Total</u> 28,721.33
15	Point-to-Point Rate (\$/MW/Month)	(line 14/12)	2,393.44		2,393.44
16	Point-to-Point Rate (\$/MW/Week)	(line 14/52)	552.33		552.33
17	Point-to-Point Rate (\$/MW/Day)	(line 16/5; line 16/7)	110.47		78.90
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160; line 14/8,760)	6.90		3.28

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Line No.	(1)	(2)	(3)	(4)	(5)
		Source	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)	1,219,721,068	TP	1,219,721,068
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)	40,516,028	W/S	40,516,028
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	-	CE	-
6	TOTAL GROSS PLANT (sum lines 1-5)		1,260,237,097	GP=	1,260,237,097
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)	353,676,488	TP	353,676,488
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)	6,319,769	W/S	6,319,769
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)	-	CE	-
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		359,996,256		359,996,256
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	-		-
14	Transmission	(line 2 - line 8)	866,044,581		866,044,581
15	Distribution	(line 3 - line 9)	-		-
16	General & Intangible	(line 4 - line 10)	34,196,260		34,196,260
17	Common	(line 5 - line 11)	-		-
18	TOTAL NET PLANT (sum lines 13-17)		900,240,840	NP=	900,240,840
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)	(253,565,471)	NP	(253,565,471)
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes F & Y & DD)	(2,593,026)	NP	(2,593,026)
22	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes F & Y & DD)	4,674,302	NP	4,674,302
23	Account No. 255 (enter negative)	Attachment 5, Line 3, Col. 5 (Notes F & Y & DD)	-	NP	-
24	Unfunded Reserve Plant-related (enter negative)	Attachment 14, Line 9, Col. G (Note Y)	-	DA	-
25	Unfunded Reserve Labor-related (enter negative)	Attachment 14, Line 10, Col. G (Note Y)	-	DA	-
26	CWIP	216.b (Notes X & Z)	-	DA	-
27	Unamortized Regulatory Asset	Attachment 16a, 16b, 16c, line 15, Col. 7 (Notes X)	5,397,056	DA	5,397,056
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	-	DA	-
29	TOTAL ADJUSTMENTS (sum lines 19-28)		(246,087,138)		(246,087,138)
30	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 1, Col. D) (Notes G & Y)	-	TP	-
31	WORKING CAPITAL (Note H)				
32	CWC	1/8*(Page 3, Line 15 minus Page 3, Lines 11 & 12)	6,809,443		6,675,428
33	Materials & Supplies (Note G)	227.8.c & .16.c (Attachment 14, Line 2, Col. D) (Note Y)	-	TE	-
34	Prepayments (Account 165)	111.57.c (Attachment 14, Line 3, Col. D) (Notes B & Y)	545,482	GP	545,482
35	TOTAL WORKING CAPITAL (sum lines 32 - 34)		7,354,925		7,220,911
36	RATE BASE (sum lines 18, 29, 30, & 35)		661,508,628		661,374,613

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For the 12 months ended 12/31/2018

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)	54,706,299	TE 0.98040	53,634,183
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	5,466,499	DA 1.00000	5,466,499
5	A&G	323.197.b (Attachment 20, page 2, line 197)	1,141,284	W/S 1.00000	1,141,284
6	Less FERC Annual Fees		-	W/S 1.00000	-
7	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		-	W/S 1.00000	-
8	Plus Transmission Related Reg. Comm. Exp. (Note I)		-	TE 0.98040	-
9	PBOP Expense Adjustment in Year	Attachment 6, Line 9	(1,372,039)	DA 1.00000	(1,372,039)
10	Common	356.1	-	CE 1.00000	-
11	Account 407.3 Amortization of Regulatory Assets	Attachment 16a, 16b, 16c, Line 15, Col. 5	2,574,514	DA 1.00000	2,574,514
12	Account 566 Amortization of Regulatory Assets	321.97.b (notes)	-	DA 1.00000	-
13	Acct. 566 Miscellaneous Transmission Expense (less amortization of regulatory asset)	321.97.b - line 12	5,466,499	DA 1.00000	5,466,499
14	TOTAL Account 566 (sum lines 12 & 13, ties to 321.97.b)		5,466,499		5,466,499
15	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 11, 14 less 2, 3, 4, 6, 7)		57,050,057		55,977,941
DEPRECIATION AND AMORTIZATION EXPENSE					
16	Transmission	336.7.b (Note U)	27,133,954	TP 1.00000	27,133,954
17	General & Intangible	336.1.f & 336.10.f (Note U)	845,385	W/S 1.00000	845,385
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)		27,979,340		27,979,340
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
21	Payroll	263.i (Attachment 7, line 1z)	-	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)	60,727	GP 1.00000	60,727
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)		60,727		60,727
INCOME TAXES (Note K)					
29	$T = 1 - \{(1 - \text{SIT}) * (1 - \text{FIT}) / (1 - \text{SIT} * \text{FIT} * p)\}$		41.49%		
30	$\text{CIT} = (T/1-T) * (1 - \text{WCLTD}/R)$ where WCLTD=(page 4, line 22) and R=(page 4, line 25) and FIT, SIT & p are as given in footnote K.		49.36%		
31	$1 / (1 - T) =$ (from line 29)		1.7092		
32	Amortized Investment Tax Credit (266.8.f) (enter negative)		(170,383)		
33	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y]		130,585		
34	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y]		-		
35	Income Tax Calculation = line 30 * line 40		24,161,211	NA	24,156,316
36	ITC adjustment (line 31 * line 32)		(291,220)	NP 1.00000	(291,220)
37	Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33)		223,197	DA 1.00000	223,197
38	(Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34)		-	DA 1.00000	-
39	Total Income Taxes (sum lines 35 through 38)		24,093,188		24,088,293
40	RETURN	[Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)]	48,951,638.45	NA	48,941,721
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
41	INCENTIVE)	(sum lines 15, 20, 28, 39, 40)	158,134,950		157,048,022
42	ADDITIONAL INCENTIVE REVENUE	Attachment 11, page 2, line 4, col 11 (Note AA)	0		0
43	GROSS REV. REQUIREMENT	(line 41 + line 42)	158,134,950		157,048,022

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For the 12 months ended 12/31/2018

Mid-Atlantic Interstate Transmission, LLC

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)					1,219,721,068
2	Less transmission plant excluded from ISO rates (Note M)					-
3	<u>Less transmission plant included in OATT Ancillary Services (Note N)</u>					-
4	Transmission plant included in ISO rates (line 1 less lines 2 & 3)					1,219,721,068
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)					54,706,299
7	<u>Less transmission expenses included in OATT Ancillary Services (Note L)</u>					1,072,116
8	Included transmission expenses (line 6 less line 7)					53,634,183
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.98040
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=	0.98040
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)	-	-		-	= 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)						
22	Long Term Debt (112.24.c) (Attachment 8, Line 14, Col. 7) (Note X)	276,923,077	50%		0.0450	0.0225 =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)	562,476,500	50%		0.1030	0.0515
25	Total (sum lines 22-24)	839,399,577				0.0740 =R
ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S)						
26	a. Bundled Non-RQ Sales for Resale (311.x.h)					-
27	<u>b. Bundled Sales for Resale included in Divisor on page 1</u>					-
28	Total of (a)-(b)					-
ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)						
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)		1,397,264

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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 | FIT = | 35.00% |
| | SIT = | 9.99% |
| | p = | (State Income Tax Rate or Composite SIT)
(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 it 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	\$ 1,072,116	Attachment H-28A, Page 4, Line 7
2	\$ 103,341	Revenue Credits for Sched 1A - Note A
3	\$ 968,775	Net Schedule 1A Expenses (Line 1 - Line 2)
4	28,891,661	Annual MWh in Met-Ed and Penelec Zones - Note B
5	\$ 0.0335	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	661,374,613	
2	Preferred Dividends	enter positive	0	
Common Stock				
3	Proprietary Capital	Attachment 8, Line 14, Col. 1	786,068,470	
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	562,476,500	
Capitalization				
8	Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 3	276,923,077	
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	562,476,500	
11	Total Capitalization	Attachment H-28A, page 4, Line 25, Col. 3	839,399,577	
12	Debt %	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 4	50.0000%
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	50.0000%
15	Debt Cost	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 5	0.0450
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)	0.0225
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0515
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	0.0740
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	48,941,721

Income Taxes			
Income Tax Rates			
23	$T = 1 - (((1 - \text{SIT}) * (1 - \text{FIT})) / (1 - \text{SIT} * \text{FIT} * p)) =$	Attachment H-28A, page 3, Line 29, Col. 3	41.49%
24	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$	Calculated	49.36%
25	$1 / (1 - T) =$ (from line 23)	Attachment H-28A, page 3, Line 31, Col.3	1.7092
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-28A, page 3, Line 32, Col. 3	(170,382.72)
27	Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes	Attachment H-28A, page 3, Line 33, Col. 3	130,585.00
28	Income Tax Calculation	Attachment H-28A, page 3, Line 34, Col. 3	-
29	ITC adjustment	(line 22 * line 24)	24,156,315.91
30	Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment	(line 25 * line 26)	(291,220.16)
31	Total Income Taxes	Attachment H-28A, page 3, Line 37, Col. 3	223,197.42
32		Attachment H-28A, page 3, Line 38, Col. 3	-
33		Sum lines 29 to 32	24,088,293.18

Increased Return and Taxes			
34	Return and Income taxes with increase in ROE	(Line 22 + Line 33)	73,030,014.55
35	Return without incentive adder	Attachment H-28A, Page 3, Line 40, Col. 5	48,941,721.38
36	Income Tax without incentive adder	Attachment H-28A, Page 3, Line 39, Col. 5	24,088,293.18
37	Return and Income taxes <u>without</u> increase in ROE	Line 35 + Line 36	73,030,014.55
38	Return and Income taxes with increase in ROE	Line 34	73,030,014.55
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37	-
40	Rate Base	Line 1	661,374,613.18
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 12/31/2018

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	
		Production	Transmission	Distribution	Intangible	General	Common	Total	
1	December	2017	-	1,133,031,967	-	-	35,818,555	-	1,168,850,522
2	January	2018	-	1,135,039,334	-	-	37,384,342	-	1,172,423,677
3	February	2018	-	1,137,852,749	-	-	37,578,294	-	1,175,431,043
4	March	2018	-	1,141,895,513	-	-	39,035,332	-	1,180,930,845
5	April	2018	-	1,146,135,029	-	-	39,210,019	-	1,185,345,048
6	May	2018	-	1,213,816,117	-	-	39,408,566	-	1,253,224,684
7	June	2018	-	1,238,268,761	-	-	39,540,996	-	1,277,809,757
8	July	2018	-	1,245,391,101	-	-	39,837,486	-	1,285,228,587
9	August	2018	-	1,251,552,217	-	-	40,291,625	-	1,291,843,842
10	September	2018	-	1,258,243,444	-	-	42,140,943	-	1,300,384,387
11	October	2018	-	1,269,621,583	-	-	43,833,835	-	1,313,455,419
12	November	2018	-	1,280,819,355	-	-	44,351,087	-	1,325,170,443
13	December	2018	-	1,404,706,717	-	-	48,277,288	-	1,452,984,005
14	13-month Average	[A] [C]	-	1,219,721,068	-	-	40,516,028	-	1,260,237,097
			Production	Transmission	Distribution	Intangible	General	Common	Total
		[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1	
15	December	2017	-	1,133,036,067	-	-	35,818,555	-	1,168,854,622
16	January	2018	-	1,135,043,435	-	-	37,384,342	-	1,172,427,777
17	February	2018	-	1,137,856,849	-	-	37,578,294	-	1,175,435,143
18	March	2018	-	1,141,899,614	-	-	39,035,332	-	1,180,934,946
19	April	2018	-	1,146,139,130	-	-	39,210,019	-	1,185,349,149
20	May	2018	-	1,213,820,218	-	-	39,408,566	-	1,253,228,784
21	June	2018	-	1,238,272,861	-	-	39,540,996	-	1,277,813,857
22	July	2018	-	1,245,395,202	-	-	39,837,486	-	1,285,232,688
23	August	2018	-	1,251,556,317	-	-	40,291,625	-	1,291,847,942
24	September	2018	-	1,258,247,544	-	-	42,140,943	-	1,300,388,487
25	October	2018	-	1,269,625,684	-	-	43,833,835	-	1,313,459,519
26	November	2018	-	1,280,823,456	-	-	44,351,087	-	1,325,174,543
27	December	2018	-	1,404,710,818	-	-	48,277,288	-	1,452,988,106
28	13-month Average		-	1,219,725,169	-	-	40,516,028	-	1,260,241,197

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	2017	-	4,100	-	-	-	-
30	January	2018	-	4,100	-	-	-	-
31	February	2018	-	4,100	-	-	-	-
32	March	2018	-	4,100	-	-	-	-
33	April	2018	-	4,100	-	-	-	-
34	May	2018	-	4,100	-	-	-	-
35	June	2018	-	4,100	-	-	-	-
36	July	2018	-	4,100	-	-	-	-
37	August	2018	-	4,100	-	-	-	-
38	September	2018	-	4,100	-	-	-	-
39	October	2018	-	4,100	-	-	-	-
40	November	2018	-	4,100	-	-	-	-
41	December	2018	-	4,100	-	-	-	-
42	13-month Average		-	4,100	-	-	-	-

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	2017	-	357,773,407	-	-	6,298,607	-	364,072,014
2	January	2018	-	359,096,733	-	-	6,259,209	-	365,355,942
3	February	2018	-	359,771,111	-	-	6,298,266	-	366,069,376
4	March	2018	-	359,038,620	-	-	6,256,940	-	365,295,560
5	April	2018	-	358,097,781	-	-	6,299,077	-	364,396,858
6	May	2018	-	353,434,789	-	-	6,350,954	-	359,785,744
7	June	2018	-	352,642,169	-	-	6,407,689	-	359,049,858
8	July	2018	-	353,244,176	-	-	6,454,349	-	359,698,525
9	August	2018	-	353,153,749	-	-	6,491,737	-	359,645,486
10	September	2018	-	352,123,155	-	-	6,442,051	-	358,565,206
11	October	2018	-	350,325,833	-	-	6,299,916	-	356,625,749
12	November	2018	-	348,641,504	-	-	6,237,886	-	354,879,390
13	December	2018	-	340,451,312	-	-	6,060,313	-	346,511,625
14	13-month Average	[A] [C]	-	353,676,488	-	-	6,319,769	-	359,996,256
		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	2017	357,775,364	-	-	6,298,607	-	364,073,971	
16	January	2018	359,098,681	-	-	6,259,209	-	365,357,890	
17	February	2018	359,773,049	-	-	6,298,266	-	366,071,315	
18	March	2018	359,040,549	-	-	6,256,940	-	365,297,489	
19	April	2018	358,099,701	-	-	6,299,077	-	364,398,778	
20	May	2018	353,436,699	-	-	6,350,954	-	359,787,654	
21	June	2018	352,644,069	-	-	6,407,689	-	359,051,759	
22	July	2018	353,246,067	-	-	6,454,349	-	359,700,416	
23	August	2018	353,155,631	-	-	6,491,737	-	359,647,367	
24	September	2018	352,125,027	-	-	6,442,051	-	358,567,078	
25	October	2018	350,327,695	-	-	6,299,916	-	356,627,611	
26	November	2018	348,643,357	-	-	6,237,886	-	354,881,243	
27	December	2018	340,453,156	-	-	6,060,313	-	346,513,469	
28	13-month Average	-	353,678,388	-	-	6,319,769	-	359,998,157	

Reserve for Depreciation of Asset Retirement Costs			Production	Transmission	Distribution	Intangible	General	Common
	[B]		Company Records					
29	December	2017	-	1,958	-	-	-	-
30	January	2018	-	1,948	-	-	-	-
31	February	2018	-	1,939	-	-	-	-
32	March	2018	-	1,929	-	-	-	-
33	April	2018	-	1,920	-	-	-	-
34	May	2018	-	1,910	-	-	-	-
35	June	2018	-	1,901	-	-	-	-
36	July	2018	-	1,891	-	-	-	-
37	August	2018	-	1,882	-	-	-	-
38	September	2018	-	1,872	-	-	-	-
39	October	2018	-	1,863	-	-	-	-
40	November	2018	-	1,853	-	-	-	-
41	December	2018	-	1,844	-	-	-	-
42	13-month Average		-	1,901	-	-	-	-

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 2017	-	(243,630,934)	(2,773,555)	4,623,150	-	(241,781,340)
2 December 31 2018	-	(263,500,008)	(2,412,496)	4,725,455	-	(261,187,049)
3 Begin/End Average [A]	-	(253,565,471)	(2,593,026)	4,674,302	-	(251,484,194)

	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 2017		245,190,307	12,289,649	12,085,507	2,429,155	271,994,617
5 December 31 2018		302,359,277	10,073,458	13,369,023	2,329,470	328,131,228
6 Begin/End Average	-	273,774,792	11,181,553	12,727,265	2,379,313	300,062,923

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]
2017	-	-	1,559,372	-	-	-	-
2018	-	-	2,056,652	-	-	-	36,802,617

- [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]
2017	-	-	9,516,093	-	-	-	-
2018	-	-	8,368,159	-	-	-	(707,196)

- [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]
2017	-	-	-	7,462,357	-	-	-
2018	-	-	-	8,443,185	-	-	200,383

- [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]
	2018 Quarterly Activity and Balances							
Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
4,623,150	67,572	4,690,722	82,324	4,773,046	35,965	4,809,011	116,827	4,925,838
Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
4,623,150	51,096		41,726		9,164		320	
Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
243,630,934	13,123,446	256,754,381	15,988,411	272,742,792	6,984,895	279,727,687	22,689,297	302,416,984
Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
243,630,934	9,923,483		8,103,715		1,779,713		62,162	
Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
2,773,555	(238,478)	2,535,077	(290,540)	2,244,537	(126,929)	2,117,608	(412,308)	1,705,300
Beginning 283 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
2,773,555	(180,329)		(147,260)		(32,341)		(1,130)	

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)
2018 Activity					
<hr/>					
Pro-rated Total	Pro-rated Ending 190				
102,305	4,725,455	13,369,023	8,643,567	8,443,185	200,383
					4,725,455
<hr/>					
Pro-rated Total	Pro-rated Ending 282				
19,869,073	263,500,008	302,359,277	38,859,269	2,056,652	36,802,617
					263,500,008
<hr/>					
Pro-rated Total	Pro-rated Ending 283				
(361,059)	2,412,496	10,073,458	7,660,962	8,368,159	(707,196)
					2,412,496

ADIT Detail

For the 12 months ended 12/31/2018

<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 12-31-17</u>	<u>OF 12-31-18</u>	<u>BALANCE</u>
ACCOUNT 255:			
Investment Tax Credit	2,429,155	2,329,470	2,379,313
1 TOTAL ACCOUNT 255	<u>2,429,155</u>	<u>2,329,470</u>	
ACCOUNT 282:			
263A Capitalized Overheads	24,990,314	28,883,136	26,936,725
263A Miscellaneous	2,258,977	1,993,504	2,126,240
Accelerated Depreciation	188,440,777	244,154,364	216,297,571
AFUDC	3,336,884	3,595,356	3,466,120
AFUDC Equity (FAS109)	1,559,372	2,056,652	1,808,012
Capitalized Tree Trimming	4,315,138	4,200,696	4,257,917
Casualty Loss	2,865,380	763,983	1,814,682
Other	(4,195,910)	(4,740,657)	(4,468,283)
Pension and Capitalized Benefits	(1,963,650)	(1,581,423)	(1,772,536)
Tax Repairs	11,724,554	13,289,552	12,507,053
FAS109 Related to Property	11,858,472	9,744,113	10,801,292
2 TOTAL ACCOUNT 282	<u>245,190,307</u>	<u>302,359,277</u>	

ADIT Detail

For the 12 months ended 12/31/2018

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 12-31-17</u>	BALANCE AS <u>OF 12-31-18</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 283:			
AFUDC Equity Flow Thru (Gross up)	1,105,925	1,458,602	1,282,264
Property FAS109	8,410,168	6,909,557	7,659,862
Deferred Storm Costs	327,581	218,387	272,984
Vegetation Management	1,734,731	1,486,912	1,610,822
Start-up Costs	711,243	0	355,622
3 TOTAL ACCOUNT 283	<u>12,289,649</u>	<u>10,073,458</u>	

ADIT Detail

For the 12 months ended 12/31/2018

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
-----------------	-----------------	-----------------	-----------------

BALANCE AS <u>OF 12-31-17</u>	BALANCE AS <u>OF 12-31-18</u>	AVERAGE BALANCE
----------------------------------	----------------------------------	--------------------

ACCOUNT 190:

Capitalized Interest	2,900,365	3,273,750	3,087,057
Contribution in Aid of Construction	7,462,357	8,443,185	7,952,771
Investment Tax Credit	1,722,785	1,652,088	1,687,437

4 TOTAL ACCOUNT 190

12,085,507	13,369,023
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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	14,029,594	MAIT Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$753,274	
8	PBOP expense in Account 926 for current year	618,765	MAIT Account 926: Company Records
9	PBOP Adjustment for Attachment H-28A, page 3, line 9 (line 7 - line 8)	(1,372,039)	

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, 2018
1	Payroll Taxes		
1a	FICA	263.i	-
1b	Federal Unemployment Tax	263.i	-
1c	Pennsylvania Unemployment Tax	263.i	-
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a	Federal Excise Tax	263.i	-
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a	Property Tax	263.i	60,727
3b			-
3c			-
3z	Property Taxes		60,727
4	Gross Receipts Tax		
4a	Gross Receipts Tax	263.i	-
4z	Gross Receipts Tax		-
5	Other Taxes		
5a	Sales & Use Tax	263.i	-
5b	Capital Stock Tax/Franchise	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]		\$60,727.00

Notes:

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

Capital Structure Calculation

For the 12 months ended 12/31/2018

		[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 2017	782,921,751				223,591,970	559,329,781	-
2	January 2018	786,595,554				223,591,970	563,003,584	-
3	February 2018	790,341,684				223,591,970	566,749,714	-
4	March 2018	782,924,362				223,591,970	559,332,392	-
5	April 2018	786,904,847				223,591,970	563,312,877	-
6	May 2018	791,545,425				223,591,970	567,953,455	450,000,000
7	June 2018	783,957,994				223,591,970	560,366,024	450,000,000
8	July 2018	787,428,123				223,591,970	563,836,153	450,000,000
9	August 2018	790,951,999				223,591,970	567,360,029	450,000,000
10	September 2018	783,284,923				223,591,970	559,692,953	450,000,000
11	October 2018	786,980,184				223,591,970	563,388,214	450,000,000
12	November 2018	790,646,180				223,591,970	567,054,210	450,000,000
13	December 2018	774,407,086				223,591,970	550,815,116	450,000,000
14	13-month Average	786,068,470	-	-	-	223,591,970	562,476,500	276,923,077

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	<u>Depr. %</u>
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		12/31/2018								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Long Term Debt	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* 2 (col. e. * col. f)/12	Weighted Outstanding Ratio (col. g/col. h total)	Effective Cost Rate (Table 2, Col. ii)	Weighted Debt Cost at t = N (h) * (i)
(1) 4.50%, Senior Unsecured Notes	5/15/2018	5/15/2028	\$ 450,000,000	\$ 450,000,000	\$ 450,000,000	7.5	*****	100.00%	4.50%	4.50%
Total			\$ 450,000,000		\$ 450,000,000		\$ 281,250,000	100.000%		4.50% **

1 = time
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.
* 2 = 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).
Interest individual debenture debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2925%). Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).
** The 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		12/31/2018										
Long Term Debt Affiliate	(aa) Issue Date	(bb) Maturity Date	(cc) Amount Issued	(dd) (Discount) Premium at Issuance	(ee) Issuance Expense	(ff) Loss/Gain on Reacquired 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, 1 = 0)
(1) 4.50%, Senior Unsecured Notes	5/15/2018	5/15/2028	\$ 450,000,000	\$ -	0	-	xxx	\$ 450,000,000	100.0000	0.045000	\$ 20,250,000	4.50%
TOTALS			\$ 450,000,000	-	\$ -	-	xxx	\$ 450,000,000			\$ 20,250,000	

* YTM at issuance calculated from an accessible bond table or from YTM = Internal Rate of Return (IRR) calculation
Effective Cost Rate of Individual Debenture (YTM at Issuance): the t=N Cashflow C_t equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C_{1/2}, C_{3/4}, 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)	\$ 1,219,721,068
2	Net Transmission Plant - Total	Attach. H-28A, p. 2, line 14, col. 5 (Note B)	\$ 866,044,581
O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-28A, p. 3, line 15, col. 5	\$ 55,977,941
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	4.589405%
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	\$ 845,385
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)	0.069310%
TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-28A, p. 3, line 28, col. 5	\$ 60,727
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)	0.004979%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, & 8	4.663694%
INCOME TAXES			
10	Total Income Taxes	Attach. H-28A, p. 3, line 39, col. 5	\$ 24,086,293
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)	2.781415%
RETURN			
12	Return on Rate Base	Attach. H-28A, p. 3, line 40, col. 5	\$ 48,941,721
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)	5.651178%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	8.432593%

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

(5)	(6)	(7)	(8)	(9)
Line No.	Reference	Transmission	Allocator	
INCOME TAXES				
10b	Total Income Taxes	Attachment 2, line 33	\$ 24,086,293	
11b	Annual Allocation Factor for Income Taxes	(line 10b divided by line 2, col. 3)	2.781415%	2.781415%
RETURN				
12b	Return on Rate Base	Attachment 2, line 22	\$ 48,941,721	
13b	Annual Allocation Factor for Return on Rate Base	(line 12b divided by line 2, col. 3)	5.651178%	5.651178%
14b	Annual Allocation Factor for Return	Sum of line 11b and 13b		8.432593%
15	Additional Annual Allocation Factor for Return	Line 14 b, col. 9 less line 14, col. 4		0.00000%

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

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
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 8)	(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. 8)	(Sum Col. 10 & 11)	(Note G)	(Sum Col. 12 & 13)	
	Install 230kV series reactor and 2- 100MVAR PLC switched capacitors at Huntersblown	b0215	\$ 12,637,431	4.663694%	\$585,371	\$ 10,364,958	8.432593%	\$874,035	\$ 259,067	\$ 1,722,473	0	\$ 1,722,473	\$ 1,722,473	
2a		b0215	\$ 3,207,134	4.663694%	\$143,571	\$ 2,859,967	8.432593%	\$241,144	\$ 65,746	\$450,461	0	\$450,461	\$450,461	
2c		b0550	\$ -	4.663694%	\$0	\$ -	8.432593%	\$0	\$0	\$0	0	\$0	\$0	
2d		b0551	\$ 1,360,363	4.663694%	\$64,377	\$ 1,125,106	8.432593%	\$94,876	\$ 26,022	\$187,276	0	\$187,276	\$187,276	
2e		b0552	\$ 1,038,335	4.663694%	\$48,425	\$82,250	8.432593%	\$30,259	\$ 2,258	\$150,010	0	\$150,010	\$150,010	
2f		b0553	\$ 927,947	4.663694%	\$43,277	\$ 827,069	8.432593%	\$69,743	\$ 19,023	\$132,043	0	\$132,043	\$132,043	
2g		b0557	\$ 2,177,814	4.663694%	\$101,567	\$ 1,941,433	8.432593%	\$163,713	\$4,210	\$308,469	0	\$308,469	\$308,469	
2h		b1993	\$ 10,675,225	4.663694%	\$497,860	\$ 10,110,506	8.432593%	\$652,578	\$ 219,910	\$1,570,347	0	\$1,570,347	\$1,570,347	
2i		b1994	\$ 102,703	4.663694%	\$4,790	\$ 100,207	8.432593%	\$8,450	\$ 2,167	\$15,407	0	\$15,407	\$15,407	
2j		b2006.1.1_DFAF_All	\$ 1,975,998	4.663694%	\$92,154	\$ 1,923,717	8.432593%	\$162,219	\$ 48,610	\$302,983	0	\$302,983	\$302,983	
2k		o_Share_Allocation	\$ 1,698,653	4.663694%	\$79,220	\$ 1,651,774	8.432593%	\$139,287	\$ 41,787	\$260,294	0	\$260,294	\$260,294	
2l		b2452	\$ 6,063,115	4.663694%	\$282,765	\$ 5,924,423	8.432593%	\$499,543	\$133,389	\$915,736	0	\$915,736	\$915,736	
2m		b2452.1	\$ 2,884,049	4.663694%	\$134,503	\$ 2,817,160	8.432593%	\$237,560	\$ 63,449	\$435,512	0	\$435,512	\$435,512	

3 Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7
 4 Additional Incentive Revenue taken to Attachment H-28A Page 3, Line 42

6,458,031.09

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 j
- H Based on a 13-month average

TEC Worksheet Support
Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
2a	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
2b	Install 250 MVAR capacitor at Keystone 500 kV	b0549	\$ 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
2c	Install 25 MVAR capacitor at Lewis Run 115 kV substation	b0550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2d	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
2e	Install 50 MVAR capacitor at Altoona 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
2f	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
2g	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
2h	Relocate the Erie South 345 kV line terminal	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
	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	b1994	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703	\$ 102,703
2i	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lanschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_DFAX_Allocati	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998	\$ 1,975,998
2j	Loop the 2026 (TMI - Hosensack, 500 kV) line in to the Lanschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Ratio_Sh	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653	\$ 1,698,653
2k	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115	\$ 6,063,115
2m	Reconductor Hunterstown - Oxford 115 kV line	b2452.1	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049	\$ 2,884,049

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 12/31/2018

Accumulated Depreciation (Note B)	Dec-17 (Note D)	Jan-18 (Note D)	Feb-18 (Note D)	Mar-18 (Note D)	Apr-18 (Note D)	May-18 (Note D)	Jun-18 (Note D)	Jul-18 (Note D)	Aug-18 (Note D)	Sep-18 (Note D)	Oct-18 (Note D)	Nov-18 (Note D)	Dec-18 (Note D)	Project Net Plant (Note B & C)
\$2,272,473.08	\$ 2,142,939	\$ 2,164,528	\$ 2,186,117	\$ 2,207,706	\$ 2,229,295	\$ 2,250,884	\$ 2,272,473	\$ 2,294,062	\$ 2,315,651	\$ 2,337,240	\$ 2,358,829	\$ 2,380,418	\$ 2,402,007	\$10,364,958.39
\$347,467.15	\$ 314,594	\$ 320,073	\$ 325,552	\$ 331,031	\$ 336,509	\$ 341,988	\$ 347,467	\$ 352,946	\$ 358,425	\$ 363,904	\$ 369,383	\$ 374,861	\$ 380,340	\$2,859,667.10
\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
\$255,286.61	\$ 241,276	\$ 243,611	\$ 245,946	\$ 248,281	\$ 250,616	\$ 252,951	\$ 255,287	\$ 257,622	\$ 259,957	\$ 262,292	\$ 264,627	\$ 266,962	\$ 269,298	\$1,125,106.49
\$86,084.96	\$ 75,442	\$ 77,216	\$ 78,990	\$ 80,763	\$ 82,537	\$ 84,311	\$ 86,085	\$ 87,859	\$ 89,633	\$ 91,406	\$ 93,180	\$ 94,954	\$ 96,728	\$952,249.70
\$100,878.00	\$ 91,367	\$ 92,952	\$ 94,537	\$ 96,122	\$ 97,708	\$ 99,293	\$ 100,878	\$ 102,463	\$ 104,048	\$ 105,634	\$ 107,219	\$ 108,804	\$ 110,389	\$827,068.84
\$236,381.87	\$ 214,277	\$ 217,961	\$ 221,645	\$ 225,329	\$ 229,014	\$ 232,698	\$ 236,382	\$ 240,066	\$ 243,750	\$ 247,434	\$ 251,118	\$ 254,803	\$ 258,487	\$1,941,432.50
\$564,719.49	\$ 454,765	\$ 473,090	\$ 491,416	\$ 509,742	\$ 528,068	\$ 546,394	\$ 564,719	\$ 583,045	\$ 601,371	\$ 619,697	\$ 638,023	\$ 656,349	\$ 674,674	\$10,110,505.51
\$2,495.80	\$ 1,412	\$ 1,593	\$ 1,773	\$ 1,954	\$ 2,135	\$ 2,315	\$ 2,496	\$ 2,676	\$ 2,857	\$ 3,038	\$ 3,218	\$ 3,399	\$ 3,579	\$100,207.39
\$52,280.69	\$ 27,976	\$ 32,027	\$ 36,078	\$ 40,128	\$ 44,179	\$ 48,230	\$ 52,281	\$ 56,331	\$ 60,382	\$ 64,433	\$ 68,484	\$ 72,535	\$ 76,585	\$1,923,717.13
\$46,879.40	\$ 25,986	\$ 29,468	\$ 32,950	\$ 36,433	\$ 39,915	\$ 43,397	\$ 46,879	\$ 50,362	\$ 53,844	\$ 57,326	\$ 60,808	\$ 64,291	\$ 67,773	\$1,651,773.60
\$138,691.98	\$ 71,998	\$ 83,113	\$ 94,229	\$ 105,345	\$ 116,461	\$ 127,576	\$ 138,692	\$ 149,808	\$ 160,923	\$ 172,039	\$ 183,155	\$ 194,271	\$ 205,386	\$5,924,423.26
\$66,888.76	\$35,164	\$40,452	\$45,739	\$51,026	\$56,314	\$61,601	\$66,889	\$72,176	\$77,464	\$82,751	\$88,038	\$93,326	\$98,613	\$2,817,160.00

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		0							
2a	Project 1			-	-	-	-	-	#DIV/0!	#DIV/0!
2b	Project 2				-	-		-	#DIV/0!	#DIV/0!
2c	Project 3				-	-		-	#DIV/0!	#DIV/0!
3	Subtotal			-			-	-		#DIV/0!
4	Total Interest (Sourced from Attachment 13a, line 30)									-

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 2015 Available May 1, 2016 <hr/> \$0	2015 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2014 <hr/> \$0	True-up Adjustment - Over (Under) Recovery <hr/> \$0
---	--	---

	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]		0.0000%				

An over or under collection will be recovered prorata over 2015, held for 2016 and returned prorata over 2017

<u>Calculation of Interest</u>				Monthly			
3	January	Year 2015	-	0.0000%	12	-	-
4	February	Year 2015	-	0.0000%	11	-	-
5	March	Year 2015	-	0.0000%	10	-	-
6	April	Year 2015	-	0.0000%	9	-	-
7	May	Year 2015	-	0.0000%	8	-	-
8	June	Year 2015	-	0.0000%	7	-	-
9	July	Year 2015	-	0.0000%	6	-	-
10	August	Year 2015	-	0.0000%	5	-	-
11	September	Year 2015	-	0.0000%	4	-	-
12	October	Year 2015	-	0.0000%	3	-	-
13	November	Year 2015	-	0.0000%	2	-	-
14	December	Year 2015	-	0.0000%	1	-	-
						-	-
				Annual			
15	January through December	Year 2016	-	0.0000%	12	-	-
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>				Monthly			
16	January	Year 2017	-	0.0000%	-	-	-
17	February	Year 2017	-	0.0000%	-	-	-
18	March	Year 2017	-	0.0000%	-	-	-
19	April	Year 2017	-	0.0000%	-	-	-
20	May	Year 2017	-	0.0000%	-	-	-
21	June	Year 2017	-	0.0000%	-	-	-
22	July	Year 2017	-	0.0000%	-	-	-
23	August	Year 2017	-	0.0000%	-	-	-
24	September	Year 2017	-	0.0000%	-	-	-
25	October	Year 2017	-	0.0000%	-	-	-
26	November	Year 2017	-	0.0000%	-	-	-
27	December	Year 2017	-	0.0000%	-	-	-
						-	-
28	True-Up with Interest					\$	-
29	Less Over (Under) Recovery					\$	-
30	Total Interest					\$	-

[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 A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
			BALANCE AS OF 12-31-17	BALANCE AS OF 12-31-18	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]		545,482	545,482	545,482			

Unfunded Reserves

Line No.	Description		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
			BALANCE AS OF 12-31-17	BALANCE AS OF 12-31-18	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	0 W/S	1.00		0
8b	Year-End Deferred Compensation Accrual		0	0	0 W/S	1.00		0
8c	Year-End Sick Pay Accrual		0	0	0 W/S	1.00		0
8d	Year-End Incentive Compensation Accrual		0	0	0 W/S	1.00		0
8e	Year-End Severance Pay Accrual		0	0	0 W/S	1.00		0
8f	Year-End PBOP/OPEB Accrual not included in established trusts		0	0	0 W/S	1.00		0
8g	[Insert Item Included in Account 242 that are not allocated to transmission]		0	0	0 Other	0		0
8h	[Insert Item Included in Account 242 that are not allocated to transmission]		0	0	0 Other	0		0
8z	Total Account 242 (113.48.c)		0	0				0
9	Total Unfunded Reserves Plant-related (items with GP allocator) - Note [B]		0	0	0 GP	1.00		0
10	Total Unfunded Reserves Labor-related (items with W/S allocator) - Note [C]		0	0	0 W/S	1.00		0

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		[3]	[4]	[5]	[6]
	[2]		Beg/End Average [C]	Dec 31, 2017	Dec 31, 2018	Reference
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	130,585.00	130,585.00	111,170	\$150,000	MAIT Company Records
2 Amortized Excess Deferred Taxes (enter negative)	[B]	-	-	-	-	\$0 MAIT Company Records
3 Amortized Deficient Deferred Taxes	[B]	-	-	-	-	\$0 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 2017	p232 (and Notes)	37			789,475.70
3	January	FERC Account 182.3	36	789,476	21,929.88	767,545.82
4	February	FERC Account 182.3	35	767,546	21,929.88	745,615.94
5	March	FERC Account 182.3	34	745,616	21,929.88	723,686.06
6	April	FERC Account 182.3	33	723,686	21,929.88	701,756.18
7	May	FERC Account 182.3	32	701,756	21,929.88	679,826.30
8	June	FERC Account 182.3	31	679,826	21,929.88	657,896.42
9	July	FERC Account 182.3	30	657,896	21,929.88	635,966.54
10	August	FERC Account 182.3	29	635,967	21,929.88	614,036.66
11	September	FERC Account 182.3	28	614,037	21,929.88	592,106.78
12	October	FERC Account 182.3	27	592,107	21,929.88	570,176.89
13	November	FERC Account 182.3	26	570,177	21,929.88	548,247.01
14	December 2018	p232 (and Notes)	25	548,247	21,929.88	526,317.13
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		<u>\$263,158.57</u>		<u>\$657,896.42</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 2017	p232 (and Notes)	85			4,180,729.25
3	January	FERC Account 182.3	84	4,180,729	49,770.59	4,130,958.66
4	February	FERC Account 182.3	83	4,130,959	49,770.59	4,081,188.08
5	March	FERC Account 182.3	82	4,081,188	49,770.59	4,031,417.49
6	April	FERC Account 182.3	81	4,031,417	49,770.59	3,981,646.90
7	May	FERC Account 182.3	80	3,981,647	49,770.59	3,931,876.32
8	June	FERC Account 182.3	79	3,931,876	49,770.59	3,882,105.73
9	July	FERC Account 182.3	78	3,882,106	49,770.59	3,832,335.15
10	August	FERC Account 182.3	77	3,832,335	49,770.59	3,782,564.56
11	September	FERC Account 182.3	76	3,782,565	49,770.59	3,732,793.97
12	October	FERC Account 182.3	75	3,732,794	49,770.59	3,683,023.39
13	November	FERC Account 182.3	74	3,683,023	49,770.59	3,633,252.80
14	December 2018	p232 (and Notes)	73	3,633,253	49,770.59	3,583,482.21
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		<u>\$597,247.04</u>		<u>\$3,882,105.73</u>

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

Regulatory Asset - Start-up Costs

[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 2017	p232 (and Notes)	13			1,714,108.00	
3	January	FERC Account 182.3	12	1,714,108	142,842.33	-	1,571,265.67
4	February	FERC Account 182.3	11	1,571,266	142,842.33	-	1,428,423.33
5	March	FERC Account 182.3	10	1,428,423	142,842.33	-	1,285,581.00
6	April	FERC Account 182.3	9	1,285,581	142,842.33	-	1,142,738.67
7	May	FERC Account 182.3	8	1,142,739	142,842.33	-	999,896.33
8	June	FERC Account 182.3	7	999,896	142,842.33	-	857,054.00
9	July	FERC Account 182.3	6	857,054	142,842.33	-	714,211.67
10	August	FERC Account 182.3	5	714,212	142,842.33	-	571,369.33
11	September	FERC Account 182.3	4	571,369	142,842.33	-	428,527.00
12	October	FERC Account 182.3	3	428,527	142,842.33	-	285,684.67
13	November	FERC Account 182.3	2	285,685	142,842.33	-	142,842.33
14	December 2018	p232 (and Notes)	1	142,842	142,842.33	-	-
15	Ending Balance 13-Month Average (sum lines 2-14) /13			<u>\$1,714,108.00</u>			<u>\$857,054.00</u>

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

	[1]	[2]	Abandoned Plant				[7]
			[3] Months Remaining In Amortization Period	[4] Beginning Balance	[5] Amortization Expense (p114.10.c)	[6] Additions (Deductions)	Ending Balance
1	Monthly Balance	Source					
2	December 2017	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 2018	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	2017	
2	January	2018	
3	February	2018	
4	March	2018	
5	April	2018	
6	May	2018	
7	June	2018	
8	July	2018	
9	August	2018	
10	September	2018	
11	October	2018	
12	November	2018	
13	December	2018	
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	35.00%
(entered on Attachment H-28A, page 5 of 5, Note K)	

State Income Tax Rate

	Pennsylvania	Combined Rate
Nominal State Income Tax Rate	9.99%	
Times Apportionment Percentage	100.00%	
Combined State Income Tax Rate	9.990%	9.990%

Operation and Maintenance Expenses

Line No. [a]	Account Reference	Description	Account Balance [b]
82		<i>Operation</i>	
83	560	Operation Supervision and Engineering	\$126,104
84			
85	561.1	Load Dispatch-Reliability	\$933,350
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$684,667
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	\$177,787
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	\$10,144
94	563	Overhead Lines Expense	\$40,144
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	
97	566	Miscellaneous Transmission Expense	\$5,466,499
98	567	Rents	\$6,813,603
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	<u>\$14,252,299</u>
100		<i>Maintenance</i>	
101	568	Maintenance Supervision and Engineering	\$920,386
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$7,428
104	569.2	Maintenance of Computer Software	\$42,391
105	569.3	Maintenance of Communication Equipment	
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$4,343,924
108	571	Maintenance of Overhead Lines	\$34,849,899
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$289,973
111		TOTAL Maintenance (Total of lines 101 thru 110)	<u>\$40,454,001</u>
112		TOTAL Transmission Expenses (Total of lines 99 and 111) [c]	<u><u>\$54,706,299</u></u>

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	
183	Less 922	Administrative Expenses Transferred - Credit	
184	923	Outside Services Employed	\$2,140,681
185	924	Property Insurance	\$156,334
186	925	Injuries and Damages	\$603,043
187	926	Employee Pensions and Benefits	-\$2,646,881
188	927	Franchise Requirements	
189	928	Regulatory Commission Expense	
190	Less 929	(Less) Duplicate Charges-Cr.	
191	930.1	General Advertising Expenses	
192	930.2	Miscellaneous General Expenses	\$27,000
193	931	Rents	
194		Total Operation (Enter Total of lines 181 thru 193)	\$280,177
195		<i>Maintenance</i>	
196	935	Maintenance of General Plant	\$861,107
197		TOTAL A&G Expenses (Total of lines 194 and 196) [f]	<u><u>\$1,141,284</u></u>

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, 2018

		<u>Amount</u>	
1	Account 451 -- Miscellaneous Service Revenues		FERC Form 1 , page 300 and footnote data
1a			
1b			
1z	Account 451 Total	\$0	Note S, page 5
2	Account 454 -- Rent from Electric Property		FERC Form 1, pages 300 and 429
2a	Transmission Charge - TMI Unit 1		
2b	Transmission Investment - Power Pool Agreement		
2c			
2z	Account 454 Total	\$3,761,088	Note R, page 5
3	Account 456 -- Other Electric Revenues		FERC Form 1, page 330 and footnote data
3a	Point-to-point Revenues		
3b	Seneca Transmission Facilities Charges		
3c			
3d			
3e			
3z	Account 456 Total	\$1,397,264	Note V, page 5