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June 3, 2019

By Electronic Filing

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**Re: Mid-Atlantic Interstate Transmission, LLC
Docket No. ER19-____-000
2019 PTRR Informational Filing**

Dear Secretary Bose:

Pursuant to section VI of the Mid-Atlantic Interstate Transmission, LLC, Formula Rate Implementation Protocols (Annual True-Up, Information Exchange, and Challenge Procedures)¹ (“Protocols”), Mid-Atlantic Interstate Transmission, LLC (“MAIT”) submits this informational filing of its Projected Transmission Revenue Requirement (“PTRR”) for Rate Year 2019 (“2019 PTRR”).

I. Background

On October 5, 2018, MAIT submitted its 2019 PTRR to PJM for posting. MAIT held an open meeting on the 2019 PTRR with interested parties on November 6, 2018. Subsequent to the open meeting, MAIT and interested parties engaged in discovery following the information exchange provisions of section III of the Protocols.²

Under section VI of the Protocols, on June 1 of each Rate Year, MAIT is required to submit to the Commission in a new docket an informational filing of its PTRR for that Rate

¹ PJM Open Access Transmission Tariff, Attachment H-28B.

² Coincident with this filing, as required under section II(B) of the Protocols, MAIT is providing its Annual Update for Rate Year 2018 to PJM for posting on the PJM website.

Year (“Informational Filing”). The Informational Filing must include MAIT’s Actual Transmission Revenue Requirement (“ATRR”) and True-up (defined below) reflected in the PTRR for that Rate Year.

The Informational Filing also must include information sufficient to determine:

1. that input data under the Formula Rate are properly recorded in any underlying workpapers;
2. that MAIT has properly applied the Formula Rate and these procedures;
3. the accuracy of data and the consistency with the Formula Rate of the transmission revenue requirement and rates under review;
4. the extent of Accounting Changes that affect Formula Rate inputs; and
5. the reasonableness of projected costs and the prudence of actual costs.

The Informational Filing also must describe any corrections or adjustments, and must describe all aspects of the Formula Rate or its inputs that are the subject of an ongoing dispute under the Preliminary or Formal Challenge procedures.

Finally, the Informational Filing shall include for the applicable Rate Year the following information related to affiliate cost allocation: a detailed description of the methodologies used to allocate and directly assign costs between MAIT and its affiliates by service category or function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; the magnitude of such costs that have been allocated or directly assigned between MAIT and each affiliate by service category or function; and a copy of any service agreement between MAIT and any MAIT affiliate that went into effect during the Rate Year.

II. Description of Filing

As required under section VI of the Protocols, this Informational Filing includes the following information.

A. ATRR and True-up reflected in the 2019 PTRR

Under the Protocols, the ATRR is defined as:

the actual net transmission revenue requirement calculated and posted on the PJM website no later than June 1 of each year subsequent to calendar year 2017 for the immediately preceding calendar year in accordance with MAIT’s Formula Rate and based upon MAIT’s actual costs and expenditures.

Under the Protocols, “True-up” means the difference between the revenues collected by PJM based on the PTRR (net of the True-up from the prior year) and the ATRR for the same Rate Year. The True-up is defined as a component of the PTRR.

The ATRR for Rate Year 2017 and True-up for Rate Year 2017, both posted on June 1, 2018, are attached hereto as Attachment A. The True-up for Rate Year 2017 was included as a component of the 2019 PTRR.

B. 2019 PTRR

The 2019 PTRR, as posted on October 5, 2018, included sufficient information to determine: (i) that input data under the Formula Rate are properly recorded in any underlying workpapers; (ii) that MAIT has properly applied the Formula Rate and the Protocols; (iii) the accuracy of data and the consistency with the Formula Rate of the transmission revenue requirement and rates under review; (iv) the extent of Accounting Changes that affect Formula Rate inputs; and (v) the reasonableness and prudence of actual or projected costs.

The 2019 PTRR, as posted, is attached as Attachment B to this Informational Filing.

C. Corrections or Adjustments

N/A

D. Ongoing Disputes

There are no ongoing disputes concerning the 2019 PTRR.

E. Affiliate Cost Allocation

Under the Protocols, “Rate Year” is defined as “the twelve consecutive month period that begins on January 1 and continues through December 31.” For this provision of the Protocols, MAIT is utilizing the most recent complete calendar year as the “Rate Year” – i.e., 2018.

A detailed description of the methodologies used to allocate and directly assign costs between MAIT and its affiliates by service category or function may be found in the cost allocation methodologies set forth in the Service Agreement entered into between FirstEnergy Service Company and each of the associate companies listed therein. There were no changes to the methodologies in the Rate Year. A copy of the Service Agreement is attached as Attachment C to this Informational Filing.

The magnitude of such costs that have been allocated or directly assigned between MAIT and each affiliate by service category or function may be found on Pages 429, 429.1, 429.2, 450.1, 450.2, 450.3, 450.4, and 450.5 of MAIT's most recent FERC Form 1. The relevant pages are attached as Attachment D to this Informational Filing.

The Protocols also require copies of any service agreement between MAIT and any MAIT affiliate that went into effect during the Rate Year. There were no such service agreements for the Rate Year.

F. Informational Purposes Only

As specified in section VI of the Protocols, this filing is informational only. Any challenges to the implementation of the MAIT Formula Rate must be made through the challenge procedures described in Section IV of the Protocols or in a separate complaint proceeding, and not in response to this Informational Filing.

III. Communications

Communications with respect to the Information Filing should be directed to the following individuals whose names should be entered on the official service list for this docket.³

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³ MAIT requests waiver of 18 C.F.R. § 385.203(b)(3) to the extent necessary to include more than two names on the official service list.

IV. Notice and Service

As required by section VI of the Protocols, within five (5) days of the submission of this Informational Filing, MAIT shall coordinate with PJM to provide notice of the Informational Filing via an email exploder list and by posting the docket number assigned to this Informational Filing on the PJM website.⁴

MAIT has served a copy of this Informational Filing on the parties listed on the Commission's official service list for Docket No. ER17-211.

V. Conclusion

Please contact the undersigned with any questions regarding this matter.

Respectfully submitted,

/s/ Mike Naeve

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⁴ This notice is subject to the protection of any confidential information contained in the Informational Filing, as needed, under non-disclosure agreements that are based on the Commission's Model Protective Order.

Attachment A
2017 ATRR

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2017

Mid-Atlantic Interstate Transmission, LLC

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, line 43, col 5]				\$ 107,353,802
	REVENUE CREDITS	(Note T)	<u>Total</u>	<u>Allocator</u>	
2	Account No. 451	(page 4, line 29)	26,644	TP 1.00000	26,644
3	Account No. 454	(page 4, line 30)	3,447,663	TP 1.00000	3,447,663
4	Account No. 456	(page 4, line 31)	417,130	TP 1.00000	417,130
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>4,988,767</u>	TP 1.00000	<u>4,988,767</u>
8	TOTAL REVENUE CREDITS (sum lines 2-7)		8,880,204		8,880,204
9	True-up Adjustment with Interest	Attachment 13, Line 28			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 98,473,598
	DIVISOR				<u>Total</u>
11	1 Coincident Peak (CP) (MW)			(Note A)	5,856.8
12	Average 12 CPs (MW)			(Note CC)	5,006.3
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	<u>Total</u> 16,813.58		
			<u>Peak Rate</u>		<u>Off-Peak Rate</u>
14	Point-to-Point Rate (\$/MW/Year)	(line 10 / line 12)	<u>Total</u> 19,670.06		<u>Total</u> 19,670.06
15	Point-to-Point Rate (\$/MW/Month)	(line 14/12)	1,639.17		1,639.17
16	Point-to-Point Rate (\$/MW/Week)	(line 14/52)	378.27		378.27
17	Point-to-Point Rate (\$/MW/Day)	(line 16/5; line 16/7)	75.65		54.04
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160; line 14/8,760)	4.73		2.25

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2017

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)	1,042,249,019	TP	1,042,249,019
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)	11,471,023	W/S	11,471,023
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	-	CE	-
6	TOTAL GROSS PLANT (sum lines 1-5)		1,053,720,042	GP=	1,053,720,042
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)	354,417,778	TP	354,417,778
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)	8,113,875	W/S	8,113,875
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)	-	CE	-
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		362,531,653		362,531,653
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	-		-
14	Transmission	(line 2 - line 8)	687,831,241		687,831,241
15	Distribution	(line 3 - line 9)	-		-
16	General & Intangible	(line 4 - line 10)	3,357,148		3,357,148
17	Common	(line 5 - line 11)	-		-
18	TOTAL NET PLANT (sum lines 13-17)		691,188,389	NP=	691,188,389
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)	(212,235,340)	NP	(212,235,340)
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes F & Y & DD)	(24,634,635)	NP	(24,634,635)
22	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes F & Y & DD)	28,279,360	NP	28,279,360
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)	6,585,188	DA	6,585,188
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	-	DA	-
29	TOTAL ADJUSTMENTS (sum lines 19-28)		(202,005,427)		(202,005,427)
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)	5,456,804		5,010,274
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)	199,334	GP	199,334
35	TOTAL WORKING CAPITAL (sum lines 32 - 34)		5,656,138		5,209,608
36	RATE BASE (sum lines 18, 29, 30, & 35)		494,839,100		494,392,570

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2017

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)	38,890,152	TE 0.91580	35,615,597
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	5,391,644	DA 1.00000	5,391,644
5	A&G	323.197.b (Attachment 20, page 2, line 197)	2,317,306	W/S 1.00000	2,317,306
6	Less FERC Annual Fees		-	W/S 1.00000	-
7	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		106,317	W/S 1.00000	106,317
8	Plus Transmission Related Reg. Comm. Exp. (Note I)		-	TE 0.91580	-
9	PBOP Expense Adjustment in Year	Attachment 6, Line 9	(1,084,578)	DA 1.00000	(1,084,578)
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)	-	DA 1.00000	-
13	Acct. 566 Miscellaneous Transmission Expense (less amortization of regulatory asset)	321.97.b - line 12	5,391,644	DA 1.00000	5,391,644
14	Total Account 566 (sum lines 12 & 13, ties to 321.97.b)		5,391,644		5,391,644
15	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 11, 14 less 2, 3, 4, 6, 7)		40,016,563		36,742,008
DEPRECIATION AND AMORTIZATION EXPENSE					
16	Transmission	336.7.b (Note U)	20,035,588	TP 1.00000	20,035,588
17	General & Intangible	336.1.f & 336.10.f (Note U)	192,861	W/S 1.00000	192,861
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)		20,228,449		20,228,449
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
21	Payroll	263.i (Attachment 7, line 1z)	345,870	W/S 1.00000	345,870
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)	99	GP 1.00000	99
27	Payments in lieu of taxes	Attachment 7, line 6z	-	GP 1.00000	-
28	TOTAL OTHER TAXES (sum lines 21 - 27)		406,696		406,696
INCOME TAXES (Note K)					
29	T=1 - [(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p) =		41.49%		
30	CIT=(T/1-T) * (1-(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)		(91,378)		
33	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y]		25,699		
34	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y]		-		
35	Income Tax Calculation = line 30 * line 40		16,567,563	NA	16,552,613
36	ITC adjustment (line 31 * line 32)		(156,184)	NP 1.00000	(156,184)
37	Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33)		43,924	DA 1.00000	43,924
38	(Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34)		-	DA 1.00000	-
39	Total Income Taxes (sum lines 35 through 38)		16,455,303		16,440,353
40	RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)]		33,566,585.64	NA	33,536,296
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
41	(sum lines 15, 20, 28, 39, 40)		110,673,597		107,353,802
42	ADDITIONAL INCENTIVE REVENUE (Attachment 11, page 2, line 4, col 11 (Note AA))		0		0
43	GROSS REV. REQUIREMENT (line 41 + line 42)		110,673,597		107,353,802

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2017

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)					1,042,249,019
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)					1,042,249,019
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)					38,890,152
7	Less transmission expenses included in OATT Ancillary Services (Note L)					3,274,555
8	Included transmission expenses (line 6 less line 7)					35,615,597
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.91580
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=	0.91580
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	996,733,784.00			(line 17 / line 20)	(line 16)
18	Gas 201.3.d	-			1.00000 *	1.00000 =
19	Water 201.3.e	-				CE
20	Total (sum lines 17 - 19)	996,733,784.00				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)		26,644
30	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)			(300.19.b) (Attachment 21, line 2z)		3,447,663
31	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)			(330.x.n) (Attachment 21, line 3z)		417,130

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2017

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	\$ 3,274,555	Attachment H-28A, Page 4, Line 7
2	86,805	Revenue Credits for Sched 1A - Note A
3	\$ 3,187,750	Net Schedule 1A Expenses (Line 1 - Line 2)
4	32,831,851	Annual MWh in Met-Ed and Penelec Zones - Note B
5	\$ 0.0971	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	494,392,570		
2	Preferred Dividends	enter positive	0		
Common Stock					
3	Proprietary Capital	Attachment 8, Line 14, Col. 1	729,211,926		
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	206,392,588		
7	Common Stock	Attachment 8, Line 14, Col. 6	522,819,338		
Capitalization					
8	Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 3	0		
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	522,819,338		
11	Total Capitalization	Attachment H-28A, page 4, Line 25, Col. 3	522,819,338		
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)	*	0.0206
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	*	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	*	0.0472
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)		0.0678
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)		33,536,296

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	(91,378.00)
27	Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes	Attachment H-28A, page 3, Line 33, Col. 3	25,698.68
28	Income Tax Calculation	Attachment H-28A, page 3, Line 34, Col. 3	-
29	ITC adjustment	(line 22 * line 24)	16,552,612.74
30	Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment	(line 25 * line 26)	(156,184.36)
31	Total Income Taxes	Attachment H-28A, page 3, Line 37, Col. 3	43,924.49
32		Attachment H-28A, page 3, Line 38, Col. 3	-
33		Sum lines 29 to 32	16,440,352.88

Increased Return and Taxes			
34	Return and Income taxes with increase in ROE	(Line 22 + Line 33)	49,976,648.89
35	Return without incentive adder	Attachment H-28A, Page 3, Line 40, Col. 5	33,536,296.01
36	Income Tax without incentive adder	Attachment H-28A, Page 3, Line 39, Col. 5	16,440,352.88
37	Return and Income taxes <u>without</u> increase in ROE	Line 35 + Line 36	49,976,648.89
38	Return and Income taxes with increase in ROE	Line 34	49,976,648.89
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37	-
40	Rate Base	Line 1	494,392,570.19
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.

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

Gross Plant Calculation

For the 12 months ended 12/31/2017

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1	December	2016	-	-	-	-	-	-
2	January	2017	-	999,382,319	-	-	9,688,173	-
3	February	2017	-	1,008,561,887	-	-	10,469,938	-
4	March	2017	-	1,016,994,752	-	-	10,496,274	-
5	April	2017	-	1,019,511,734	-	-	10,496,234	-
6	May	2017	-	1,017,553,986	-	-	10,496,234	-
7	June	2017	-	1,030,980,292	-	-	10,496,234	-
8	July	2017	-	1,031,936,587	-	-	10,496,234	-
9	August	2017	-	1,052,675,600	-	-	11,410,779	-
10	September	2017	-	1,061,471,382	-	-	11,410,779	-
11	October	2017	-	1,069,106,745	-	-	11,410,779	-
12	November	2017	-	1,082,495,215	-	-	12,178,590	-
13	December	2017	-	1,116,317,736	-	6,883	18,595,145	-
14	13-month Average*	[A] [C]	-	1,042,249,019	-	574	11,470,449	-

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		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	2016	-	-	-	-	-	-
16	January	2017	-	999,386,419	-	-	9,688,173	-
17	February	2017	-	1,008,565,987	-	-	10,469,938	-
18	March	2017	-	1,016,998,852	-	-	10,496,274	-
19	April	2017	-	1,019,515,834	-	-	10,496,234	-
20	May	2017	-	1,017,558,086	-	-	10,496,234	-
21	June	2017	-	1,030,984,392	-	-	10,496,234	-
22	July	2017	-	1,031,940,687	-	-	10,496,234	-
23	August	2017	-	1,052,679,700	-	-	11,410,779	-
24	September	2017	-	1,061,475,482	-	-	11,410,779	-
25	October	2017	-	1,069,110,845	-	-	11,410,779	-
26	November	2017	-	1,082,499,315	-	-	12,178,590	-
27	December	2017	-	1,116,321,836	-	6,883	18,595,145	-
28	13-month Average*		-	1,042,253,120	-	574	11,470,449	-

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	2016	-	-	-	-	-	-
30	January	2017	-	4,100	-	-	-	-
31	February	2017	-	4,100	-	-	-	-
32	March	2017	-	4,100	-	-	-	-
33	April	2017	-	4,100	-	-	-	-
34	May	2017	-	4,100	-	-	-	-
35	June	2017	-	4,100	-	-	-	-
36	July	2017	-	4,100	-	-	-	-
37	August	2017	-	4,100	-	-	-	-
38	September	2017	-	4,100	-	-	-	-
39	October	2017	-	4,100	-	-	-	-
40	November	2017	-	4,100	-	-	-	-
41	December	2017	-	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

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

For the 12 months ended 12/31/2017

Accumulated Depreciation Calculation

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1	December 2016	-	-	-	-	-	-	-
2	January 2017	-	349,500,347	-	-	8,022,849	-	357,523,195
3	February 2017	-	350,563,344	-	-	8,029,080	-	358,592,424
4	March 2017	-	351,679,085	-	-	8,055,449	-	359,734,534
5	April 2017	-	352,843,328	-	-	8,071,784	-	360,915,112
6	May 2017	-	354,007,631	-	-	8,088,119	-	362,095,750
7	June 2017	-	355,184,903	-	-	8,104,454	-	363,289,357
8	July 2017	-	355,374,312	-	-	8,120,789	-	363,495,101
9	August 2017	-	355,871,738	-	-	8,137,831	-	364,009,569
10	September 2017	-	356,362,499	-	-	8,155,558	-	364,518,057
11	October 2017	-	357,218,298	-	-	8,173,285	-	365,391,583
12	November 2017	-	356,787,495	-	-	8,191,589	-	364,979,084
13	December 2017	-	357,620,360	-	41	8,215,668	-	365,836,069
14	13-month Average* [A] [C]	-	354,417,778	-	3	8,113,871	-	362,531,653
		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 2016	-	-	-	-	-	-	-
16	January 2017	-	349,500,347	-	-	8,022,849	-	357,523,195
17	February 2017	-	350,563,359	-	-	8,029,080	-	358,592,439
18	March 2017	-	351,679,119	-	-	8,055,449	-	359,734,568
19	April 2017	-	352,843,381	-	-	8,071,784	-	360,915,165
20	May 2017	-	354,007,703	-	-	8,088,119	-	362,095,822
21	June 2017	-	355,184,994	-	-	8,104,454	-	363,289,448
22	July 2017	-	355,374,422	-	-	8,120,789	-	363,495,211
23	August 2017	-	355,871,867	-	-	8,137,831	-	364,009,698
24	September 2017	-	356,362,646	-	-	8,155,558	-	364,518,204
25	October 2017	-	357,218,464	-	-	8,173,285	-	365,391,750
26	November 2017	-	356,787,681	-	-	8,191,589	-	364,979,270
27	December 2017	-	357,620,564	-	41	8,215,668	-	365,836,273
28	13-month Average*	-	354,417,879	-	3	8,113,871	-	362,531,753

Reserve for Depreciation of Asset Retirement Costs

		Production	Transmission	Distribution	Intangible	General	Common
	[B]	Company Records					
29	December 2016	-	-	-	-	-	-
30	January 2017	-	-	-	-	-	-
31	February 2017	-	15	-	-	-	-
32	March 2017	-	34	-	-	-	-
33	April 2017	-	53	-	-	-	-
34	May 2017	-	72	-	-	-	-
35	June 2017	-	91	-	-	-	-
36	July 2017	-	110	-	-	-	-
37	August 2017	-	129	-	-	-	-
38	September 2017	-	148	-	-	-	-
39	October 2017	-	166	-	-	-	-
40	November 2017	-	185	-	-	-	-
41	December 2017	-	204	-	-	-	-
42	13-month Average*	-	100	-	-	-	-

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

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

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 2016	-	(204,511,246)	(8,757,803)	5,837,156	-	(207,431,893)
2 December 31 2017	-	(219,959,433)	(40,511,467)	50,721,564	-	(209,749,336)
3 Begin/End Average* [A]	-	(212,235,340)	(24,634,635)	28,279,360	-	(208,590,614)

	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 2016			219,024,393	18,539,114	20,788,261	2,520,533	260,872,301
5 December 31 2017			167,874,441	16,297,693	54,451,568	2,429,155	241,052,857
6 Begin/End Average*	-	193,449,417	17,418,403	37,619,915	2,474,844		250,962,579

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]
2016	-	715,318	13,797,829		-	-	-
2017	1,617	(7,850,708)	(65,010,933)		-	-	20,775,032

- [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]
2016	-	-	9,781,311		-	-	-
2017	222	243,338	(24,777,448)	(814,379)	-	-	1,134,493

- [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]
2016	-	-	6,023	14,945,082	-	-	-
2017	1,792	243,338	(5,046,743)	8,451,718	-	-	79,899

- [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.

- * Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

ADIT Normalization Calculation

[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
	2017 Quarterly Activity and Balances							
Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5,837,156	12,996	5,850,152	18,887	5,869,039	7,579	5,876,618	97	5,876,715
Beginning 190 (including adjustments)	Pro-rated Q1	Pro-rated Q2	Pro-rated Q3	Pro-rated Q4				
5,837,156	9,827	9,573	1,931	0				
Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
204,511,246	3,379,252	207,890,498	4,910,943	212,801,441	1,970,795	214,772,236	25,118	214,797,354
Beginning 282 (including adjustments)	Pro-rated Q1	Pro-rated Q2	Pro-rated Q3	Pro-rated Q4				
204,511,246	2,555,270	2,489,108	502,148	69				
Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
8,757,803	184,536	8,942,339	268,179	9,210,518	107,622	9,318,140	1,372	9,319,512
Beginning 283 (including adjustments)	Pro-rated Q1	Pro-rated Q2	Pro-rated Q3	Pro-rated Q4				
8,757,803	139,540	135,926	27,421	4				

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)
2017 Activity					
<hr/>					
Pro-rated Total Pro-rated Ending 190					
21,331 5,858,487	54,451,568	3,730,004	3,650,105	79,899	50,721,564
<hr/>					
Pro-rated Total Pro-rated Ending 282					
5,546,595 210,057,841	167,874,441	(52,084,992)	(72,860,024)	20,775,032	219,959,433
<hr/>					
Pro-rated Total Pro-rated Ending 283					
302,891 9,060,694	16,297,693	(24,213,774)	(25,348,267)	1,134,493	40,511,467

ADIT Detail

For the 12 months ended 12/31/2017

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 1-31-17</u>	BALANCE AS <u>OF 12-31-17</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 255:			
Accumulated Deferred Investment Tax Credits	2,520,533	2,429,155	2,474,844
1 TOTAL ACCOUNT 255	<u>2,520,533</u>	<u>2,429,155</u>	
ACCOUNT 282:			
263A MSC-Fed-Norm	2,022,487	1,086,256	1,554,371
263A MSC-PA-Norm	375,229	408,231	391,730
263A-Fed-Norm	21,269,161	10,570,080	15,919,620
263A-PA-Norm	3,946,037	4,109,317	4,027,677
Accelerated Tax Depr-Fed-FT	12,446,588	6,974,011	9,710,299
Accelerated Tax Depr-Fed-Norm	138,561,279	97,828,778	118,195,029
Accelerated Tax Depr-PA-FT	2,647,896	3,625,284	3,136,590
Accelerated Tax Depr-PA-Norm	15,741,947	21,124,704	18,433,326
AFUDC Debt-Fed-Norm	2,617,404	1,743,959	2,180,682
AFUDC Debt-Fed-Norm-Incurred-CWIP	384,650	327,011	355,831
AFUDC Debt-Fed-Norm-Reversal-CWIP	0	(150,855)	(75,427)
AFUDC Debt-PA-Norm	485,603	655,405	570,504
AFUDC Debt-PA-Norm-Incurred-CWIP	121,975	122,895	122,435
AFUDC Debt-PA-Norm-Reversal-CWIP	0	(56,693)	(28,347)
AFUDC Equity/FAS 43-Fed-FT	870,176	880,049	875,112
AFUDC Equity/FAS 43-Fed-FT-Incurred-CWIP	507,455	1,773,150	1,140,302
AFUDC Equity/FAS 43-Fed-FT-Reversal-CWIP	0	(350,282)	(175,141)
AFUDC Equity/FAS 43-PA-FT	161,443	330,735	246,089
AFUDC Equity/FAS 43-PA-FT-Incurred-CWIP	160,918	666,375	413,646
AFUDC Equity/FAS 43-PA-FT-Reversal-CWIP	0	(131,641)	(65,821)
ARO-Fed-Norm	0	818	409
ARO-PA-Norm	0	307	154
Cap Vertical Tree Trimming-Fed-Norm	2,132,666	2,856,010	2,494,338
Cap Vertical Tree Trimming-PA-Norm	1,682,101	1,933,503	1,807,802
Capitalized Benefits-Fed-Norm-Reversal-CWIP	2,239,060		2,239,060
Capitalized Benefits-PA-Norm-Reversal-CWIP	637,263		637,263
Casualty Loss-Fed-Norm	2,966,359	974,271	1,970,315
Casualty Loss-PA-Norm	1,762,543	1,468,980	1,615,761
FAS 123R - Performance Shares-Fed-Norm	0	2,710	1,355
FAS 123R - Performance Shares-PA-Norm	(178)	1,018	420
FAS 123R - Restricted Stock-Fed-Norm	0	(3,007)	(1,504)
FAS 123R - Restricted Stock-PA-Norm	344	(1,130)	(393)

FAS 123R - RSU Capital-Fed-Norm	0	49,523	24,762
FAS 123R - RSU Capital-PA-Norm	(9,560)	18,612	4,526
G Overheads-Fed-Norm	0	3,500,882	1,750,441
G Overheads-PA-Norm	(936,336)	1,315,681	189,673
Life Insurance-Fed-Norm	0	(34,838)	(17,419)
Life Insurance-PA-Norm	7,369	(14,816)	(3,723)
OPEBs-Fed-Norm	0	(3,974,029)	(1,987,015)
OPEBs-PA-Norm	715,318	(1,493,497)	(389,090)
Other Basis Differences-Fed-Norm	(3,786,266)	(5,023,746)	(4,405,006)
Other Basis Differences-PA-Norm	(693,157)	(1,877,272)	(1,285,214)
Pensions-Fed-Norm	(1,397,572)	(825,115)	(1,111,343)
Pensions-PA-Norm	(259,289)	(310,090)	(284,690)
Sale of Property - Book Gain or (Loss)	0	(13,484)	(6,742)
Tax UoP Repair Exp-Fed-Norm	10,679,248	12,204,850	11,442,049
Tax UoP Repair Exp-Fed-Norm-Incurred-CWIP	0	8,568,000	4,284,000
Tax UoP Repair Exp-Fed-Norm-Reversal-CWIP	0	(7,191,927)	(3,595,964)
Tax UoP Repair Exp-PA-FT	(705,641)	(772,414)	(739,027)
Tax UoP Repair Exp-PA-Norm	1,669,871	4,460,725	3,065,298
Tax UoP Repair Exp-PA-Norm-Incurred-CWIP	0	3,219,977	1,609,988
Tax UoP Repair Exp-PA-Norm-Reversal-CWIP	0	(2,702,829)	(1,351,415)

2 TOTAL ACCOUNT 282

219,024,393	167,874,441
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ADIT Detail

For the 12 months ended 12/31/2017

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 1-31-17</u>	BALANCE AS <u>OF 12-31-17</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 283:			
263A MSC-PA-Norm	0	29,395	14,698
263A-PA-Norm	13,775	302,596	158,186
Accelerated Tax Depr-Fed-FT	8,752,388	2,833,635	5,793,011
Accelerated Tax Depr-PA-FT	1,877,919	1,473,002	1,675,461
Accelerated Tax Depr-Fed-Norm	(586,393)	1,523,954	468,781
AFUDC debt-Fed-Norm-reversal-CWIP	0	40,863	20,432
AFUDC debt-PA-Norm	246	47,332	23,789
AFUDC debt-Fed-Norm-incurred-CWIP	0	8,849	4,425
AFUDC Equity/FAS 43-Fed-FT	617,139	357,576	487,358
AFUDC Equity/FAS 43-Fed-FT-incurred-CWIP	359,893	720,455	540,174
AFUDC Equity/FAS 43-PA-FT	114,497	134,382	124,439
AFUDC Equity/FAS 43-PA-FT-incurred-CWIP	114,125	270,757	192,441
ARO-PA-Norm	0	22	11
Cap Vertical Tree Trimming-PA-Norm	1,448	140,063	70,756
Casualty Loss PA-Norm	0	106,039	53,020
CIAC-Fed-Norm-reversal-CWIP	0	193,684	96,842
CIAC-PA-Norm-reversal-CWIP	0	107,019	53,510
Deferred Charge-EIB	0	5,801	2,901
FAS109 Gross-up on Non-property Items	0	737,802	368,901
FAS123R - Performance Shares-PA-Norm	0	75	38
FAS123R - Restricted Stock-Fed-Norm	0	815	408
FAS123R - RSU Capital-PA-Norm	0	1,349	675
G Overheads-PA-Norm	365	94,763	47,564
Life Insurance-Fed-Norm	0	9,437	4,719
OPEBs-Fed-Norm	0	1,076,468	538,234
Other Basis Differences-Fed-Norm	(584,451)	1,045,014	230,282
Pensions-Fed-Norm	0	223,504	111,752
PJM Receivable	420,327	495,242	457,785
Storm Damage	503,970	228,096	366,033
Tax Interest Capitalized-Fed-Norm-Reversal-CWIP		245,442	245,442
Tax Interest Capitalized-PA-Norm-Reversal-CWIP		135,618	135,618
Tax UoP Repair Exp-Fed-Norm-Reversal-CWIP		1,948,118	1,948,118
Tax UoP Repair Exp-PA-Norm	0	320,772	160,386
Tax UoP Repair Exp-PA-Norm-Reversal-CWIP		231,854	231,854
Vegetation Management	6,933,865	1,207,900	4,070,883
3 TOTAL ACCOUNT 283		<u>18,539,114</u>	<u>16,297,693</u>

ADIT Detail

For the 12 months ended 12/31/2017

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 1-31-17</u>	BALANCE AS <u>OF 12-31-17</u>	AVERAGE BALANCE
ACCOUNT 190:			
263A MSC-PA-Norm		294,240	294,240
263A-PA-Norm		2,863,177	2,863,177
Accelerated Tax Depr-Fed-Norm		26,818,855	26,818,855
AFUDC Debt-Fed-Norm		472,396	472,396
AFUDC debt-Fed-Norm-incurred-CWIP		88,579	88,579
AFUDC debt-PA-Norm-reversal-CWIP		4,082	4,082
AFUDC Equity/FAS 43-Fed-FT-reversal-CWIP		142,324	142,324
AFUDC Equity/FAS 43-PA-FT-reversal-CWIP		53,488	53,488
ARO-Fed-Norm		222	222
Asset Retirement Obligation Liability		1,571	1,571
Cap Vertical Tree Trimming-Fed-Norm		1,393,611	1,393,611
Casualty Loss Fed-Norm		263,906	263,906
CIAC-Fed-Norm	8,763,805	2,633,612	5,698,708
CIAC-Fed-Norm-Incurred-CWIP	3,378,974	931,845	2,155,410
CIAC-PA-Norm	1,736,084	1,626,983	1,681,534
CIAC-PA-Norm-Incurred-CWIP	1,071,498	514,887	793,193
FAS123R - Performance Shares-Fed-Norm		734	734
FAS123R - Restricted Stock-PA-Norm		81	81
FAS123R - RSU Capital-Fed-Norm		13,415	13,415
G Overheads-Fed-Norm		948,304	948,304
ITC FAS 109	1,786,068	986,998	1,386,533
Life Insurance-PA-Norm		1,067	1,067
OPEBs-PA-Norm		108,149	108,149
Other Basis Differences-PA-Norm		135,189	135,189
Pensions-PA-Norm		22,328	22,328
PJM Payable		3,713,948	3,713,948
Tax Interest Capitalized-Fed-Norm	2,467,437	1,185,752	1,826,594
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	835,335	956,240	895,788
Tax Interest Capitalized-PA-Norm	484,169	701,606	592,888
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	264,891	528,367	396,629
Tax UoP Repair Exp-Fed-Norm		3,305,997	3,305,997
Tax UoP Repair Exp-Fed-Norm-Incurred-CWIP		2,320,863	2,320,863
Tax UoP Repair Exp-PA-Norm		313,842	313,842
Tax UoP Repair Exp-PA-Norm-Incurred-CWIP		194,617	194,617
Vegetation Management		910,290	910,290
4 TOTAL ACCOUNT 190		20,788,261	59,812,553

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	10,406,066	MAIT Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$558,721	
8	PBOP expense in Account 926 for current year	525,857	MAIT Account 926: Company Records
9	PBOP Adjustment for Attachment H-28A, page 3, line 9 (line 7 - line 8)	(1,084,578)	

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, 2017
1	Payroll Taxes		
1a	FICA	263.i	345,870
1b		263.i	-
1c		263.i	-
1z	Payroll Taxes Total		345,870
2	Highway and Vehicle Taxes		
2a		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		263.i	-
4z	Gross Receipts Tax		-
5	Other Taxes		
5a	Sales & Use Tax	263.i	99
5b		263.i	-
5c			-
5z	Other Taxes		99
6z	Payments in lieu of taxes		
7	Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5z, 6z) [tie to 114.14c]		\$406,696

Notes:

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

Capital Structure Calculation

For the 12 months ended 12/31/2017

		[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	2016					-	-
2	January	2017	781,583,766			223,591,970	557,991,796	-
3	February	2017	783,886,129			223,591,970	560,294,159	-
4	March	2017	785,414,069			223,591,970	561,822,099	-
5	April	2017	787,725,292			223,591,970	564,133,322	-
6	May	2017	788,249,147			223,591,970	564,657,177	-
7	June	2017	790,409,823			223,591,970	566,817,853	-
8	July	2017	793,567,792			223,591,970	569,975,822	-
9	August	2017	796,794,950			223,591,970	573,202,980	-
10	September	2017	791,301,350			223,591,970	567,709,380	-
11	October	2017	794,833,770			223,591,970	571,241,800	-
12	November	2017	798,262,662			223,591,970	574,670,692	-
13	December	2017	787,726,289	-	-	223,591,970	564,134,319	-
14	13-month Average		729,211,926	-	-	206,392,588	522,819,338	-

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		12/31/2017								
	(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. g total)	Effective Cost Rate (Table 2, Col. ii)	Weighted Debt Cost at t = N (h) * (i)
(1) First Mortgages Bonds:			\$ -	\$ -			\$ -	#DIV/0!	#DIV/0!	#DIV/0!
Total			\$ -	\$ -	\$ -		\$ -	#DIV/0!	#DIV/0!	**

t = 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).
 ** 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		12/31/2017										
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. 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)				\$ -	0	-	xxx	\$ -	#DIV/0!		\$ -	#DIV/0!
TOTALS				\$ -	\$ -	\$ -	xxx	\$ -			\$ -	

* 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); Semi-annual (or other) interest cashflows (C₁, C₂, etc.); 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)	\$ 1,042,249,019
2	Net Transmission Plant - Total	Attach. H-28A, p. 2, line 14, col. 5 (Note B)	\$ 687,831,241
O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-28A, p. 3, line 15, col. 5	\$ 36,742,008
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	3.525262%
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	\$ 192,861
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)	0.018504%
TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-28A, p. 3, line 28, col. 5	\$ 406,696
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)	0.039021%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, & 8	3.582787%
INCOME TAXES			
10	Total Income Taxes	Attach. H-28A, p. 3, line 39, col. 5	\$ 16,440,353
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)	2.390172%
RETURN			
12	Return on Rate Base	Attach. H-28A, p. 3, line 40, col. 5	\$ 33,536,296
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)	4.875658%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	7.265830%

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	\$ 16,440,353	
11b	Annual Allocation Factor for Income Taxes	(line 10b divided by line 2, col. 3)	2.390172%	2.390172%
RETURN				
12b	Return on Rate Base	Attachment 2, line 22	\$ 33,536,296	
13b	Annual Allocation Factor for Return on Rate Base	(line 12b divided by line 2, col. 3)	4.875658%	4.875658%
14b	Annual Allocation Factor for Return	Sum of line 11b and 13b		7.265830%
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)
2a	Install 230kV series reactor and 2- 100MVAR PLC switched capacitors at Hunterstown	b0215	\$ 12,637,431	3.582787%	\$452,772	\$ 10,605,017	7.265830%	\$770,543	\$ 193,353	\$1,416,667	-	\$1,416,667		\$1,416,667
2b	Replace wave trap and upgrade a bus section at Keystone 500 kV – on the Keystone – Airvale 500 kV	b0284.3	\$ 959,178	3.582787%	\$34,365	\$ 954,167	7.265830%	\$69,328	\$ 18,376	\$122,070	-	\$122,070		\$122,070
2c	Install 100 MVAR Dynamic Reactive Device at Airvale 500 kV substation	b0369	\$ 959,178	3.582787%	\$34,365	\$ 954,167	7.265830%	\$69,328	\$ 18,376	\$122,070	-	\$122,070		\$122,070
2d	Install 200 MVAR capacitor at Keystone 500 kv	b0549	\$ 3,207,134	3.582787%	\$114,955	\$ 2,915,989	7.265830%	\$212,161	\$ 44,258	\$371,325	-	\$371,325		\$371,325
2e	Install 25 MVAR capacitor at Easton 115 kV substation	b0551	\$ 1,380,393	3.582787%	\$49,457	\$ 1,150,828	7.265830%	\$83,617	\$ 18,935	\$152,008	-	\$152,008		\$152,008
2f	Install 50 MVAR capacitor at Abasco 230 kV substation	b0552	\$ 1,030,335	3.582787%	\$37,201	\$ 971,778	7.265830%	\$70,608	\$ 14,143	\$121,953	-	\$121,953		\$121,953
2g	Install 50 MVAR capacitor at Rawtown 230 kV substation	b0553	\$ 927,947	3.582787%	\$33,246	\$ 844,522	7.265830%	\$61,362	\$ 12,806	\$107,414	-	\$107,414		\$107,414
2h	Install 75 MVAR capacitor at East Towards 230 kV substation	b0557	\$ 2,177,814	3.582787%	\$78,026	\$ 1,982,007	7.265830%	\$144,009	\$ 29,872	\$251,907	-	\$251,907		\$251,907
2i	Relocate the Six South 345 kV line terminal	b1593	\$ 10,640,670	3.582787%	\$381,233	\$ 10,277,498	7.265830%	\$748,746	\$ 146,484	\$1,274,462	-	\$1,274,462		\$1,274,462
2j	Convert Lewis Run-Farmers Valley to 230 kV using 1033.5 ACBR conductor. Project to be completed in conjunction with new Farmers Valley 345/230 kV transformation	b1594	\$ 50,074	3.582787%	\$1,734	\$ 49,743	7.265830%	\$3,614	\$ 616	\$6,024	-	\$6,024		\$6,024
2k	Loop the 2026 (TMI - Hossensack 500 kv) line in to the Lautschtown substation and upgrade relay at TMI 500 kv	b2006.1.1_DFAX_All ocation	\$ 1,427,004	3.582787%	\$51,127	\$ 1,415,289	7.265830%	\$102,833	\$32,827.61	\$186,787	-	\$186,787		\$186,787
2l	Loop the 2026 (TMI - Hossensack 500 kv) line in to the Lautschtown substation and upgrade relay at TMI 500 kv	b2006.1.1_Load_Rat o Share Allocation	\$ 1,427,004	3.582787%	\$51,127	\$ 1,415,289	7.265830%	\$102,833	\$32,827.61	\$186,787	-	\$186,787		\$186,787
2m	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 3,524,164	3.582787%	\$126,263	\$ 3,501,589	7.265830%	\$254,420	\$72,011.62	\$452,694	-	\$452,694		\$452,694
2n	Reconductor Hunterstown - Oatford 115 kv line	b2452.1	\$ 1,685,733	3.582787%	\$60,398	\$ 1,674,694	7.265830%	\$121,690	\$36,523.98	\$216,600	-	\$216,600		\$216,600
3	Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7											4,988,768.97		
4	Additional Incentive Revenue taken to Attachment H-28A Page 3, Line 42										80.00			

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 Anv actual ROE incentive must be approved by the Commission
- G True-up adjustment is calculated on the project true-up schedule, attachment 12, column i
- H Based on a 15-month average

TEC Worksheet Support
Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant* (Note A)	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
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	
2b	Replace wave trap and upgrade a bus section at Keystone 500 kV - on the Keystone - Airydale 500 kV	b0284.3	\$ 959,178		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,918,357	\$ 1,918,357	\$ 1,918,357	\$ 1,918,357	\$ 1,918,357	\$ 1,918,357	
2c	Install 100 MVAR Dynamic Reactive Device at Airydale 500 kV substation	b0369	\$ 959,178		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1,918,357.00	\$ 1,918,357.00	\$ 1,918,356.87	\$ 1,918,356.87	\$ 1,918,356.87	\$ 1,918,356.87	
2d	Install 250 MVAR capacitor at Keystone 500 kV	b0549	\$ 3,207,134		\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	\$ 3,207,134.25	
2e	Install 25 MVAR capacitor at Saxton 115 kV substation	b0551	\$ 1,380,393		\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	\$ 1,380,393.10	
2f	Install 50 MVAR capacitor at Altoona 230 kV substation	b0552	\$ 1,038,335		\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	\$ 1,038,334.66	
2g	Install 50 MVAR capacitor at Raystown 230 kV substation	b0553	\$ 927,947		\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	\$ 927,946.84	
2h	Install 75 MVAR capacitor at East Towanda 230 kV substation	b0557	\$ 2,177,814		\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	\$ 2,177,814.37	
2i	Relocate the Erie South 345 kV line terminal	b1993	\$ 10,640,670		\$ 10,525,640.62	\$ 10,622,208.88	\$ 10,622,208.88	\$ 10,622,208.88	\$ 10,622,208.88	\$ 10,622,208.88	\$ 10,675,225.00	\$ 10,675,225.00	\$ 10,675,225.33	\$ 10,675,225.33	\$ 10,675,225.33	\$ 10,675,225.33	
2j	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	\$ 50,074		\$ 10,615.65	\$ 3,888.15	\$ 3,888.15	\$ 3,888.15	\$ 3,888.15	\$ 3,888.15	\$ 3,888.15	\$ 13,907.33	\$ 13,990.43	\$ 13,907.06	\$ 233,918.15	\$ 107,672.19	\$ 187,437.00
2k	Lauschtown substation and upgrade relay at TMI 500 kV Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lauschtown substation and upgrade relay at TMI 500 kV Loop the 2026 (TMI - Hosensack 500 kV) line in to the	b2006.1.1_DFAX_Allocati	\$ 1,427,004		\$ 0.00	\$ 0.00	\$ 0.00	\$ 581,692.75	\$ 1,572,564.04	\$ 2,112,921.81	\$ 2,104,481.21	\$ 2,105,307.81	\$ 2,104,488.53	\$ 2,092,321.86	\$ 2,229,117.29	\$ 2,221,147.59	
2l	Lauschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Ratio_Sh	\$ 1,427,004		\$ 0.00	\$ 0.00	\$ 0.00	\$ 581,692.75	\$ 1,572,564.04	\$ 2,112,921.81	\$ 2,104,481.21	\$ 2,105,307.81	\$ 2,104,488.53	\$ 2,092,321.86	\$ 2,229,117.29	\$ 2,221,147.59	
2m	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 3,524,164		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5,999,036.98	\$ 5,988,424.60	\$ 6,063,115.24	\$ 6,070,594.68	\$ 6,072,517.92	\$ 6,074,468.68	\$ 6,021,812.88	
2n	Reconductor Hunterstown - Oxford 115 kV line	b2452.1	\$ 1,685,733		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 2,984,128.81	\$ 3,218,139.40	\$ 2,884,048.76	\$ 2,768,299.32	\$ 2,788,502.08	\$ 2,790,610.32	\$ 2,795,064.76	

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.
* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

TEC Worksheet Support
Net Plant Detail

Attachment H-28A, Attachment 11a
page 2 of 2
For the 12 months ended 12/31/2017

Accumulated Depreciation* (Note B)	Dec-16 (Note D)	Jan-17 (Note D)	Feb-17 (Note D)	Mar-17 (Note D)	Apr-17 (Note D)	May-17 (Note D)	Jun-17 (Note D)	Jul-17 (Note D)	Aug-17 (Note D)	Sep-17 (Note D)	Oct-17 (Note D)	Nov-17 (Note D)	Dec-17 (Note D)	Project Net Plant* (Note B & C)
\$2,032,414.53	\$ 1,943,795	\$ 1,959,907	\$ 1,976,020	\$ 1,992,133	\$ 2,008,245	\$ 2,024,358	\$ 2,040,471	\$ 2,056,584	\$ 2,072,696	\$ 2,088,809	\$ 2,104,922	\$ 2,121,035		\$10,605,016.94
\$5,011.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,671	\$ 5,012	\$ 8,353	\$ 11,694	\$ 15,035	\$ 18,376	\$954,166.75
\$5,011.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,670.57	\$5,011.71	\$8,352.85	\$11,693.98	\$15,035.12	\$18,376.26		\$954,166.75
\$287,146.30	\$266,861.17	\$270,549.38	\$274,237.58	\$277,925.79	\$281,613.99	\$285,302.20	\$288,990.40	\$292,678.61	\$296,366.81	\$300,055.01	\$303,743.22	\$307,431.42		\$2,919,987.95
\$229,567.47	\$220,886.68	\$222,465.00	\$224,043.33	\$225,621.66	\$227,199.98	\$228,778.31	\$230,356.63	\$231,934.96	\$233,513.28	\$235,091.61	\$236,669.94	\$238,248.26		\$1,150,825.63
\$66,555.62	\$59,888.15	\$61,182.24	\$62,376.32	\$63,570.41	\$64,764.49	\$65,958.58	\$67,152.66	\$68,346.75	\$69,540.83	\$70,734.92	\$71,929.00	\$73,123.09		\$971,779.04
\$83,424.86	\$77,555.60	\$78,622.74	\$79,689.88	\$80,757.02	\$81,824.15	\$82,891.29	\$83,958.43	\$85,025.57	\$86,092.71	\$87,159.85	\$88,226.99	\$89,294.13		\$844,521.98
\$195,807.11	\$182,117.99	\$184,606.92	\$187,095.85	\$189,584.78	\$192,073.71	\$194,562.65	\$197,051.58	\$199,540.51	\$202,029.44	\$204,518.37	\$207,007.31	\$209,496.24		\$1,982,007.26
\$363,171.26	\$296,049.75	\$308,190.86	\$320,387.41	\$332,583.95	\$344,780.50	\$356,977.05	\$369,204.04	\$381,461.46	\$393,718.88	\$405,976.31	\$418,233.73	\$430,491.15		\$10,277,498.44
\$331.11	\$206.05	\$214.74	\$219.41	\$224.07	\$228.73	\$233.39	\$244.06	\$260.78	\$277.50	\$426.06	\$630.82	\$807.72		\$49,742.94
\$11,714.37	\$0.00	\$0.00	\$0.00	\$596.24	\$2,804.35	\$6,581.97	\$10,904.81	\$15,219.84	\$19,534.88	\$23,836.61	\$28,266.09	\$32,827.61		\$1,415,289.21
\$11,714.37	\$0.00	\$0.00	\$0.00	\$596.24	\$2,804.35	\$6,581.97	\$10,904.81	\$15,219.84	\$19,534.88	\$23,836.61	\$28,266.09	\$32,827.61		\$1,415,289.21
\$22,575.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,499.12	\$16,487.62	\$27,534.87	\$38,657.44	\$49,788.62	\$60,923.36	\$72,011.62		\$3,501,589.03
\$11,048.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,735.45	\$8,420.86	\$14,014.54	\$19,195.86	\$24,289.59	\$29,403.78	\$34,523.98		\$1,674,684.12

NOTE

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

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

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 B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
		BALANCE AS OF 1-31-17*	BALANCE AS OF 12-31-17	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]	-	398,668	199,334			

Unfunded Reserves

Line No.	Description	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
		BALANCE AS OF 1-31-17*	BALANCE AS OF 12-31-17	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			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			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			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			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	Commitment Fees (Short-term debt revolving credit facilities)	0	205,563	102,782	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	205,563				-
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

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

[1]	Income Tax Adjustments			[4]	[5]	[6]
	[2]	[3]	Dec 31, 2017	Dec 31, 2017	Reference	
		<u>Beg/End Average [C]</u>	<u>2017</u>	<u>2017</u>		
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	\$25,699	\$25,699	\$25,699	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]	[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 2016	p232 (and Notes)	49			-	
3	January	FERC Account 182.3	48	-	-	789,476	
4	February	FERC Account 182.3	47	789,476	-	789,476	
5	March	FERC Account 182.3	46	789,476	-	789,476	
6	April	FERC Account 182.3	45	789,476	-	789,476	
7	May	FERC Account 182.3	44	789,476	-	789,476	
8	June	FERC Account 182.3	43	789,476	-	789,476	
9	July	FERC Account 182.3	42	789,476	-	789,476	
10	August	FERC Account 182.3	41	789,476	-	789,476	
11	September	FERC Account 182.3	40	789,476	-	789,476	
12	October	FERC Account 182.3	39	789,476	-	789,476	
13	November	FERC Account 182.3	38	789,476	-	789,476	
14	December 2017	p232 (and Notes)	37	789,476	-	789,476	
15	Ending Balance 13-Month Average*	(sum lines 2-14) /13				<u>789,476</u>	

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

		Regulatory Asset - Vegetation Management				
[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 2016	p232 (and Notes)	97			
3	January	FERC Account 182.3	96	-	-	4,180,729
4	February	FERC Account 182.3	95	4,180,729	-	4,180,729
5	March	FERC Account 182.3	94	4,180,729	-	4,180,729
6	April	FERC Account 182.3	93	4,180,729	-	4,180,729
7	May	FERC Account 182.3	92	4,180,729	-	4,180,729
8	June	FERC Account 182.3	91	4,180,729	-	4,180,729
9	July	FERC Account 182.3	90	4,180,729	-	4,180,729
10	August	FERC Account 182.3	89	4,180,729	-	4,180,729
11	September	FERC Account 182.3	88	4,180,729	-	4,180,729
12	October	FERC Account 182.3	87	4,180,729	-	4,180,729
13	November	FERC Account 182.3	86	4,180,729	-	4,180,729
14	December 2017	p232 (and Notes)	85	4,180,729	-	4,180,729
15	Ending Balance 13-Month Average*	(sum lines 2-14) /13		<u>\$0.00</u>		<u>4,180,729</u>
				Attachment H-28A, page 3, line 11		Attachment H-28A, page 2, Line 27

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

		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						
2	December 2016	25					
3	January	24	-	-	-	1,268,546	
4	February	23	1,268,546	-	-	1,426,412	
5	March	22	1,426,412	-	-	1,637,666	
6	April	21	1,637,666	-	-	1,476,347	
7	May	20	1,476,347	-	-	1,572,066	
8	June	19	1,572,066	-	-	1,714,108	
9	July	18	1,714,108	-	-	1,714,108	
10	August	17	1,714,108	-	-	1,714,108	
11	September	16	1,714,108	-	-	1,714,108	
12	October	15	1,714,108	-	-	1,714,108	
13	November	14	1,714,108	-	-	1,714,108	
14	December 2017	13	1,714,108	-	-	1,714,108	
15	Ending Balance 13-Month Average*	(sum lines 2-14) /13		<u>\$0.00</u>		<u>1,614,983</u>	

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

* Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the opening 2017 balances and the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement.

	[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 2016	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 2017	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	2016	
2	January	2017	
3	February	2017	
4	March	2017	
5	April	2017	
6	May	2017	
7	June	2017	
8	July	2017	
9	August	2017	
10	September	2017	
11	October	2017	
12	November	2017	
13	December	2017	
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 (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	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	\$82,879
84			
85	561.1	Load Dispatch-Reliability	\$1,135,217
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$2,139,338
87	561.3	Load-Dispatch-Transmission Service and Scheduling	\$0
88	561.4	Scheduling, System Control and Dispatch Services	\$34,016
89	561.5	Reliability, Planning and Standards Development	\$167,793
90	561.6	Transmission Service Studies	\$427
91	561.7	Generation Interconnection Studies	-\$5,076
92	561.8	Reliability, Planning and Standards Development Services	
93	562	Station Expenses	\$993,287
94	563	Overhead Lines Expense	\$373,120
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	
97	566	Miscellaneous Transmission Expense	\$5,391,644
98	567	Rents	\$6,656,207
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$16,968,852
100		<i>Maintenance</i>	
101	568	Maintenance Supervision and Engineering	\$1,234,047
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$9,819
104	569.2	Maintenance of Computer Software	\$56,037
105	569.3	Maintenance of Communication Equipment	\$38,180
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$2,876,588
108	571	Maintenance of Overhead Lines	\$17,455,455
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$253,825
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$21,923,951
112		TOTAL Transmission Expenses (Total of lines 99 and 111) [c]	\$38,892,803

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	\$271
183	Less 922	Administrative Expenses Transferred - Credit	
184	923	Outside Services Employed	\$1,624,571
185	924	Property Insurance	\$62,890
186	925	Injuries and Damages	\$324,551
187	926	Employee Pensions and Benefits	-\$907,196
188	927	Franchise Requirements	
189	928	Regulatory Commission Expense	
190	Less 929	(Less) Duplicate Charges-Cr.	
191	930.1	General Advertising Expenses	\$106,317
192	930.2	Miscellaneous General Expenses	\$45,026
193	931	Rents	
194		Total Operation (Enter Total of lines 181 thru 193)	\$1,256,430
195		<i>Maintenance</i>	
196	935	Maintenance of General Plant	\$1,348,103
197		TOTAL A&G Expenses (Total of lines 194 and 196) [f]	<u><u>\$2,604,533</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, 2017		
			<u>Amount</u>	
1	Account 451 -- Miscellaneous Service Revenues	FERC Form 1 , page 300 and footnote data		Note S, page 5
1a	Reimbursable Project Work		\$ 26,644	
1z	Account 451 Total		\$26,644	
2	Account 454 -- Rent from Electric Property	FERC Form 1, pages 300 and 429		Note R, page 5
2a	Transmission Charge - TMI Unit 1		\$ 1,832,016	
2b	Transmission Investment - Power Pool Agreement		\$ 1,615,647	
2z	Account 454 Total		\$3,447,663	
3	Account 456 -- Other Electric Revenues	FERC Form 1, page 330 and footnote data		Note V, page 5
3a	Point-to-point Revenues		\$ 173,293	
3b	Seneca Transmission Facilities Charges		\$ 243,837	
3z	Account 456 Total		\$417,130	

Attachment B
2019 PTRR

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2019

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]				\$ 207,489,224
	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)	1,415,884	TP 1.00000	1,415,884
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	14,922,370	TP 1.00000	14,922,370
8	TOTAL REVENUE CREDITS (sum lines 2-7)		20,099,342		20,099,342
9	True-up Adjustment with Interest	Attachment 13, Line 28			(14,066,555)
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			\$ 173,323,326
	DIVISOR				Total
11	1 Coincident Peak (CP) (MW)			(Note A)	6,019.0
12	Average 12 CPs (MW)			(Note CC)	5,187.2
13	Annual Rate (\$/MW/Yr)	(line 10 / line 11)	Total 28,796.22		
			Peak Rate		Off-Peak Rate
14	Point-to-Point Rate (\$/MW/Year)	(line 10 / line 12)	Total 33,413.94		Total 33,413.94
15	Point-to-Point Rate (\$/MW/Month)	(line 14/12)	2,784.49		2,784.49
16	Point-to-Point Rate (\$/MW/Week)	(line 14/52)	642.58		642.58
17	Point-to-Point Rate (\$/MW/Day)	(line 16/5; line 16/7)	128.52		91.80
18	Point-to-Point Rate (\$/MWh)	(line 14/4,160; line 14/8,760)	8.03		3.81

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2019

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)	1,579,600,454	TP	1,579,600,454
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)	34,881,314	W/S	34,881,314
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	-	CE	-
6	TOTAL GROSS PLANT (sum lines 1-5)		<u>1,614,481,768</u>	GP= 100.000%	<u>1,614,481,768</u>
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)	338,922,040	TP	338,922,040
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)	8,278,164	W/S	8,278,164
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)	-	CE	-
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		<u>347,200,204</u>		<u>347,200,204</u>
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	-		-
14	Transmission	(line 2 - line 8)	1,240,678,415		1,240,678,415
15	Distribution	(line 3 - line 9)	-		-
16	General & Intangible	(line 4 - line 10)	26,603,150		26,603,150
17	Common	(line 5 - line 11)	-		-
18	TOTAL NET PLANT (sum lines 13-17)		<u>1,267,281,564</u>	NP= 100.000%	<u>1,267,281,564</u>
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)	(269,526,312)	NP	(269,526,312)
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes F & Y & DD)	5,111,518	NP	5,111,518
22	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes F & Y & DD)	4,902,293	NP	4,902,293
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)	3,679,597	DA	3,679,597
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	-	DA	-
29	TOTAL ADJUSTMENTS (sum lines 19-28)		<u>(255,832,905)</u>		<u>(255,832,905)</u>
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)	8,554,467		8,278,551
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)	<u>692,368</u>	GP	<u>692,368</u>
35	TOTAL WORKING CAPITAL (sum lines 32 - 34)		<u>9,246,835</u>		<u>8,970,919</u>
36	RATE BASE (sum lines 18, 29, 30, & 35)		<u>1,020,695,494</u>		<u>1,020,419,578</u>

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2019

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)	68,635,041	TE	0.96784 66,427,713
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		222,000	DA	1.00000 222,000
3	Less Account 565	321.96.b	-	DA	1.00000 -
4	Less Account 566	321.97.b	6,270,722	DA	1.00000 6,270,722
5	A&G	323.197.b (Attachment 20, page 2, line 197)	(89,854)	W/S	1.00000 (89,854)
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	0.96784 -
9	PBOP Expense Adjustment in Year	Attachment 6, Line 9	(747,859)	DA	1.00000 (747,859)
10	Common	356.1	-	CE	1.00000 -
11	Account 407.3 Amortization of Regulatory Assets	Attachment 16a, 16b, 16c, Line 15, Col. 5	860,406	DA	1.00000 860,406
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	6,270,722	DA	1.00000 6,270,722
14	Total Account 566 (sum lines 12 & 13, ties to 321.97.b)		6,270,722		6,270,722
15	TOTAL O&M (sum lines 1, 5, 8, 9, 10, 11, 14 less 2, 3, 4, 6, 7)		68,435,734		66,228,405
DEPRECIATION AND AMORTIZATION EXPENSE					
16	Transmission	336.7.b (Note U)	35,306,592	TP	1.00000 35,306,592
17	General & Intangible	336.1.f & 336.10.f (Note U)	1,014,344	W/S	1.00000 1,014,344
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)		36,320,936		36,320,936
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
21	Payroll	263.i (Attachment 7, line 1z)	443,868	W/S	1.00000 443,868
22	Highway and vehicle	263.i (Attachment 7, line 2z)	-	W/S	1.00000 -
PLANT RELATED					
24	Property	263.i (Attachment 7, line 3z)	76,332	GP	1.00000 76,332
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)		520,200		520,200
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)) =		31.38%		
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)		(140,188)		
33	Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y]		289,181		
34	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y]		(333,725)		
35	Income Tax Calculation = line 30 * line 40		25,007,455	NA	25,000,695
36	ITC adjustment (line 31 * line 32)		(197,148)	NP	1.00000 (197,148)
37	Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33)		406,679	DA	1.00000 406,679
38	(Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34)		(469,322)	DA	1.00000 (469,322)
39	Total Income Taxes	sum lines 35 through 38	24,747,664		24,740,904
40	RETURN	[Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)]	79,700,324.33	NA	79,678,780
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
41	INCENTIVE)	(sum lines 15, 20, 28, 39, 40)	209,724,858		207,489,224
42	ADDITIONAL INCENTIVE REVENUE	Attachment 11, page 2, line 4, col 11 (Note AA)	0		0
43	GROSS REV. REQUIREMENT	(line 41 + line 42)	209,724,858		207,489,224

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2019

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)					1,579,600,454
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)					1,579,600,454
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)					68,635,041
7	<u>Less transmission expenses included in OATT Ancillary Services (Note L)</u>					2,207,329
8	Included transmission expenses (line 6 less line 7)					66,427,713
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.96784
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=	0.96784
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)						
26	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)	(Note Q)			-
27	<u>b. Bundled Sales for Resale included in Divisor on page 1</u>					-
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)			1,415,884
WCLTD						
22	Long Term Debt (112.24.c) (Attachment 8, Line 14, Col. 7) (Note X)	\$	(Note C)	Cost	Weighted	
			%	(Note P)		
23	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note X)	507,592,634	41%	0.0429	0.0178	=WCLTD
24	Common Stock (Attachment 8, Line 14, Col. 6) (Note X)	-	0%	0.0000	0.0000	
25	Total (sum lines 22-24)	716,790,172	59%	0.1030	0.0603	
		1,224,382,805			0.0781	=R

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2019

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 = | 21.00% |
| | 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	\$ 2,207,329	Attachment H-28A, Page 4, Line 7
2	77,720	Revenue Credits for Sched 1A - Note A
3	\$ 2,129,609	Net Schedule 1A Expenses (Line 1 - Line 2)
4	32,533,857	Annual MWh in Met-Ed and Penelec Zones - Note B
5	\$ 0.0655	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	1,020,419,578	
2	Preferred Dividends	enter positive	0	
Common Stock				
3	Proprietary Capital	Attachment 8, Line 14, Col. 1	940,382,142	
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	716,790,172	
Capitalization				
8	Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 3	507,592,634	
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	716,790,172	
11	Total Capitalization	Attachment H-28A, page 4, Line 25, Col. 3	1,224,382,805	
12	Debt %	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 4	41.4570%
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	58.5430%
15	Debt Cost	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 5	0.0429
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)	0.0178
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0603
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	0.0781
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	79,678,780

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	28.89%
24	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$	Calculated	31.38%
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	(140,188.00)
27	Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes	Attachment H-28A, page 3, Line 33, Col. 3	289,180.87
28	Income Tax Calculation	Attachment H-28A, page 3, Line 34, Col. 3	(333,724.86)
29	ITC adjustment	(line 22 * line 24)	25,000,695.09
30	Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment	(line 25 * line 26)	(197,148.28)
31	Total Income Taxes	Attachment H-28A, page 3, Line 37, Col. 3	406,678.96
32		Attachment H-28A, page 3, Line 38, Col. 3	(469,321.78)
33		Sum lines 29 to 32	24,740,904.00

Increased Return and Taxes			
34	Return and Income taxes with increase in ROE	(Line 22 + Line 33)	104,419,683.60
35	Return without incentive adder	Attachment H-28A, Page 3, Line 40, Col. 5	79,678,779.61
36	Income Tax without incentive adder	Attachment H-28A, Page 3, Line 39, Col. 5	24,740,904.00
37	Return and Income taxes <u>without</u> increase in ROE	Line 35 + Line 36	104,419,683.60
38	Return and Income taxes with increase in ROE	Line 34	104,419,683.60
39	Incremental Return and incomes taxes for increase in ROE	Line 38 - Line 37	-
40	Rate Base	Line 1	1,020,419,577.97
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 12/31/2019

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1	December 2018	-	1,447,398,860	-	349,203	27,323,820	-	1,475,071,883
2	January 2019	-	1,468,504,659	-	349,203	27,363,741	-	1,496,217,603
3	February 2019	-	1,471,920,129	-	349,203	27,380,041	-	1,499,649,373
4	March 2019	-	1,524,030,429	-	349,203	27,386,348	-	1,551,765,980
5	April 2019	-	1,544,332,959	-	349,203	27,389,681	-	1,572,071,843
6	May 2019	-	1,579,182,702	-	349,203	28,813,364	-	1,608,345,269
7	June 2019	-	1,602,982,890	-	349,203	28,816,509	-	1,632,148,602
8	July 2019	-	1,612,689,308	-	349,203	39,642,590	-	1,652,681,101
9	August 2019	-	1,614,976,458	-	349,203	39,674,769	-	1,655,000,430
10	September 2019	-	1,624,351,632	-	349,203	42,259,156	-	1,666,959,992
11	October 2019	-	1,633,116,493	-	349,203	42,262,657	-	1,675,728,354
12	November 2019	-	1,635,594,054	-	349,203	42,277,193	-	1,678,220,450
13	December 2019	-	1,775,725,333	-	349,203	48,327,566	-	1,824,402,102
14	13-month Average [A] [C]	-	1,579,600,454.31	-	349,203.31	34,532,110.36	-	1,614,481,767.98
		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 2018	-	1,447,410,514	-	349,203	27,323,820	-	1,475,083,538
16	January 2019	-	1,468,516,313	-	349,203	27,363,741	-	1,496,229,257
17	February 2019	-	1,471,931,784	-	349,203	27,380,041	-	1,499,661,028
18	March 2019	-	1,524,042,083	-	349,203	27,386,348	-	1,551,777,635
19	April 2019	-	1,544,344,614	-	349,203	27,389,681	-	1,572,083,498
20	May 2019	-	1,579,194,356	-	349,203	28,813,364	-	1,608,356,924
21	June 2019	-	1,602,994,545	-	349,203	28,816,509	-	1,632,160,257
22	July 2019	-	1,612,700,962	-	349,203	39,642,590	-	1,652,692,755
23	August 2019	-	1,614,988,112	-	349,203	39,674,769	-	1,655,012,085
24	September 2019	-	1,624,363,287	-	349,203	42,259,156	-	1,666,971,646
25	October 2019	-	1,633,128,148	-	349,203	42,262,657	-	1,675,740,009
26	November 2019	-	1,635,605,709	-	349,203	42,277,193	-	1,678,232,105
27	December 2019	-	1,775,736,988	-	349,203	48,327,566	-	1,824,413,757
28	13-month Average	-	1,579,612,108.77	-	349,203.31	34,532,110.36	-	1,614,493,422.44

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 2018	-	-	11,654	-	-	-	-
30	January 2019	-	-	11,654	-	-	-	-
31	February 2019	-	-	11,654	-	-	-	-
32	March 2019	-	-	11,654	-	-	-	-
33	April 2019	-	-	11,654	-	-	-	-
34	May 2019	-	-	11,654	-	-	-	-
35	June 2019	-	-	11,654	-	-	-	-
36	July 2019	-	-	11,654	-	-	-	-
37	August 2019	-	-	11,654	-	-	-	-
38	September 2019	-	-	11,654	-	-	-	-
39	October 2019	-	-	11,654	-	-	-	-
40	November 2019	-	-	11,654	-	-	-	-
41	December 2019	-	-	11,654	-	-	-	-
42	13-month Average	-	-	11,654.46	-	-	-	-

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

For the 12 months ended 12/31/2019

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1	December 2018	-	341,987,287	-	33,051	8,206,798	-	350,227,135
2	January 2019	-	341,689,427	-	37,209	8,263,769	-	349,990,405
3	February 2019	-	342,380,628	-	41,368	8,322,395	-	350,744,391
4	March 2019	-	339,731,326	-	45,526	8,381,685	-	348,158,536
5	April 2019	-	339,156,589	-	49,684	8,441,176	-	347,647,449
6	May 2019	-	338,434,888	-	58,001	8,479,838	-	346,972,728
7	June 2019	-	338,227,060	-	53,843	8,413,450	-	346,694,353
8	July 2019	-	339,539,082	-	62,160	7,881,637	-	347,482,879
9	August 2019	-	340,576,671	-	66,318	7,998,872	-	348,641,862
10	September 2019	-	339,756,072	-	70,477	7,973,671	-	347,800,220
11	October 2019	-	338,443,007	-	74,635	8,133,454	-	346,651,097
12	November 2019	-	337,476,409	-	78,793	8,292,554	-	345,847,757
13	December 2019	-	328,588,069	-	82,952	8,072,817	-	336,743,838
14	13-month Average	[A] [C]	338,922,039.68	-	58,001.28	8,220,162.84	-	347,200,203.81

		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 2018		341,995,273		33,051	8,206,798		350,235,122
16	January 2019		341,697,432		37,209	8,263,769		349,998,410
17	February 2019		342,388,653		41,368	8,322,395		350,752,416
18	March 2019		339,739,369		45,526	8,381,685		348,166,580
19	April 2019		339,164,651		49,684	8,441,176		347,655,511
20	May 2019		338,442,988		58,001	8,479,838		346,980,828
21	June 2019		338,235,142		53,843	8,413,450		346,702,434
22	July 2019		339,547,201		62,160	7,881,637		347,490,998
23	August 2019		340,584,809		66,318	7,998,872		348,650,000
24	September 2019		339,764,229		70,477	7,973,671		347,808,377
25	October 2019		338,451,183		74,635	8,133,454		346,659,273
26	November 2019		337,484,604		78,793	8,292,554		345,855,952
27	December 2019		328,596,283		82,952	8,072,817		336,752,052
28	13-month Average		338,930,139.77	-	58,001.28	8,220,162.84	-	347,208,303.89

Reserve for Depreciation of Asset Retirement Costs									
		Production	Transmission	Distribution	Intangible	General	Common		
	[B]	Company Records							
29	December 2018		7,986						
30	January 2019		8,005						
31	February 2019		8,024						
32	March 2019		8,043						
33	April 2019		8,062						
34	May 2019		8,100						
35	June 2019		8,081						
36	July 2019		8,119						
37	August 2019		8,138						
38	September 2019		8,157						
39	October 2019		8,176						
40	November 2019		8,195						
41	December 2019		8,214						
42	13-month Average		8,100.08	-	-	-	-		

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 2018	-	(265,865,581)	5,758,572	4,808,250	-	(255,298,759)
2 December 31 2019	-	(273,187,044)	4,464,464	4,996,335	-	(263,726,244)
3 Begin/End Average [A]	-	(269,526,312)	5,111,518	4,902,293	-	(259,512,501)

	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 2018		192,621,807	(31,144,661)	9,507,394	2,329,470	173,314,009
5 December 31 2019		216,161,554	(26,910,650)	10,608,504	2,229,785	202,089,193
6 Begin/End Average	-	204,391,680	(29,027,656)	10,057,949	2,279,628	187,701,601

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]
2018	-	(7,672,554)	(65,571,221)		-	-	-
2019	-	(7,487,594)	(63,262,972)		-	-	13,725,076

- [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]
2018	-	-	(25,386,089)		-	-	-
2019	-	-	(24,872,166)		-	-	2,425,980

- [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]
2018	-	-	(2,741,496)	7,440,640	-	-	-
2019	-	-	(2,454,604)	7,714,182	-	-	352,591

- [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]
	2019 Quarterly Activity and Balances							
Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
4,808,250	117,673	4,925,923	127,168	5,053,091	134,254	5,187,345	161,581	5,348,926
Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
4,808,250	88,980		64,455		34,207		443	
Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
265,865,581	4,580,572	270,446,153	4,950,197	275,396,351	5,226,018	280,622,368	6,289,751	286,912,119
Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
265,865,581	3,463,666		2,509,004		1,331,561		17,232	
Beginning 283 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
(5,758,572)	809,641	(4,948,931)	874,974	(4,073,958)	923,726	(3,150,231)	1,111,747	(2,038,484)
Beginning 283 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
(5,758,572)	612,221		443,480		235,360		3,046	

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)
2019 Activity					
<hr/>					
Pro-rated Total	Pro-rated Ending 190				
188,085	4,996,335	10,608,504	5,612,168	5,259,578	352,591
					4,996,335
<hr/>					
Pro-rated Total	Pro-rated Ending 282				
7,321,463	273,187,044	216,161,554	(57,025,490)	(70,750,565)	13,725,076
					273,187,044
<hr/>					
Pro-rated Total	Pro-rated Ending 283				
1,294,108	(4,464,464)	(26,910,650)	(22,446,185)	(24,872,166)	2,425,980
					(4,464,464)

ADIT Detail

For the 12 months ended 12/31/2019

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 12-31-18</u>	BALANCE AS <u>OF 12-31-19</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 255:			
Investment Tax Credit	2,329,470	2,229,785	2,279,628
1 TOTAL ACCOUNT 255	<u>2,329,470</u>	<u>2,229,785</u>	
ACCOUNT 282:			
263A Capitalized Overheads	22,418,718	21,715,298	22,067,008
Accelerated Depreciation	198,690,005	212,782,324	205,736,165
AFUDC	3,424,100	3,399,705	3,411,902
AFUDC Equity (FAS109)	2,770,189	4,622,409	3,696,299
Capitalized Interest	0	0	0
Capitalized Tree Trimming	9,940,106	9,707,754	9,823,930
Casualty Loss	1,889,953	1,058,888	1,474,421
Contribution in Aid of Construction	0	0	0
OPEBs	(7,672,554)	(7,487,594)	(7,580,074)
Other	(8,918,442)	(8,863,372)	(8,890,907)
Pension and Capitalized Benefits	5,376,578	5,226,600	5,301,589
Tax Repairs	33,044,562	41,884,921	37,464,742
FAS109 Related to Property	(68,341,410)	(67,885,381)	(68,113,395)
2 TOTAL ACCOUNT 282	<u>192,621,807</u>	<u>216,161,554</u>	

ADIT Detail

For the 12 months ended 12/31/2019

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 12-31-18</u>	BALANCE AS <u>OF 12-31-19</u>	AVERAGE <u>BALANCE</u>
ACCOUNT 283:			
AFUDC Equity Flow Thru (Gross up)	1,125,565	1,878,147	1,501,856
Property FAS109	(26,654,131)	(26,585,408)	(26,619,769)
Deferred Storm Costs	152,064	76,032	114,048
Vegetation Management - Transmission	1,035,343	862,786	949,065
PJM Payable	(6,945,979)	(2,977,302)	(4,961,641)
Fed Rate Change - Non-Prop. Gross-up	142,476	(164,905)	(11,215)
3 TOTAL ACCOUNT 283	<u>(31,144,661)</u>	<u>(26,910,650)</u>	

ADIT Detail

For the 12 months ended 12/31/2019

<u>COLUMN A</u>	<u>COLUMN B</u>	<u>COLUMN C</u>	<u>COLUMN D</u>
	BALANCE AS <u>OF 12-31-18</u>	BALANCE AS <u>OF 12-31-19</u>	AVERAGE BALANCE
ACCOUNT 190:			
Capitalized Interest	3,861,755	4,442,934	4,152,345
Contribution in Aid of Construction	7,440,640	7,714,182	7,577,411
Property FAS109	(2,741,496)	(2,454,604)	(2,598,050)
Investment Tax Credit	946,495	905,992	926,244
4 TOTAL ACCOUNT 190	<u>9,507,394</u>	<u>10,608,504</u>	<u>10,057,949</u>

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	18,985,409	MAIT Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$1,019,361	
8	PBOP expense in Account 926 for current year	(271,502)	MAIT Account 926: Company Records
9	PBOP Adjustment for Attachment H-28A, page 3, line 9 (line 7 - line 8)	(747,859)	

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, 2019
1	Payroll Taxes		
1a	FICA	263.i	443,868
1b		263.i	-
1c		263.i	-
1z	Payroll Taxes Total		443,868
2	Highway and Vehicle Taxes		
2a		263.i	-
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a	Property Tax	263.i	76,332
3b			-
3c			-
3z	Property Taxes		76,332
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]		\$520,200

Notes:

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

Capital Structure Calculation

For the 12 months ended 12/31/2019

		[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 2018	892,665,716				223,591,970	669,073,746	449,894,709
2	January 2019	898,642,512				223,591,970	675,050,542	449,895,645
3	February 2019	904,678,632				223,591,970	681,086,662	449,896,581
4	March 2019	911,502,552				223,591,970	687,910,582	449,897,517
5	April 2019	918,030,654				223,591,970	694,438,684	449,898,454
6	May 2019	925,005,869				223,591,970	701,413,899	449,899,390
7	June 2019	931,854,418				223,591,970	708,262,448	449,900,326
8	July 2019	938,623,001				223,591,970	715,031,031	574,901,262
9	August 2019	945,024,538				223,591,970	721,432,568	574,902,198
10	September 2019	951,751,959				223,591,970	728,159,989	574,903,135
11	October 2019	958,536,902				223,591,970	734,944,932	574,904,071
12	November 2019	965,362,177				223,591,970	741,770,207	574,905,007
13	December 2019	1,083,288,914	-	-	-	223,591,970	859,696,944	574,905,943
14	13-month Average	940,382,142	-	-	-	223,591,970	716,790,172	507,592,634

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 12/31/2019										
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Long Term Debt 12/31/2019	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 Rate (col. g/col. g total)	Effective Cost Rate (Table 2, Col. ii)	Weighted Debt Cost at t = N (h) * (i)
First Mortgage Bonds:										
(1) 4.10%, Senior Unsecured Notes	5/10/2018	5/15/2028	\$ 450,000,000	\$ 445,907,666	\$ 450,000,000	12	\$ 450,000,000	87.80%	4.21%	3.70%
(2) 4.75%, Senior Unsecured Notes - Planned	7/15/2019	7/15/2029	\$ 125,000,000	\$ 123,750,000	\$ 125,000,000	6	\$ 62,500,000	12.20%	4.88%	0.59%
Total			\$ 575,000,000		\$ 575,000,000		\$ 512,500,000	100.000%		4.29% **

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 (g)) 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 on individual debt issues 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 12/31/2019												
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. 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 Notes	5/10/2018	5/15/2028	\$ 450,000,000	\$ (112,500)	\$ 3,979,834	-	xxx	\$ 445,907,666	99.0906	0.04100	\$ 18,450,000	4.21%
(2) 4.75%, Senior Unsecured Notes - Planned	7/15/2019	7/15/2029	\$ 125,000,000	\$ -	\$ 1,250,000	-	xxx	\$ 123,750,000	99.0000	0.04750	\$ 5,937,500	4.88%
TOTALS			\$ 575,000,000	(112,500)	\$ 5,229,834	-	xxx	\$ 569,657,666			\$ 24,387,500	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation
Effective Cost Rate of individual Debt issue (YTM at issuance) = the t=0 Cashflow/C₀ equals Net Proceeds column (gg); Semi-annual (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)	\$ 1,579,600,454
2	Net Transmission Plant - Total	Attach. H-28A, p. 2, line 14, col. 5 (Note B)	\$ 1,240,678,415
O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-28A, p. 3, line 15, col. 5	\$ 66,228,405
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	4.192731%
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	\$ 1,014,344
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)	0.064215%
TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-28A, p. 3, line 28, col. 5	\$ 520,200
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)	0.032932%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, & 8	4.289879%
INCOME TAXES			
10	Total Income Taxes	Attach. H-28A, p. 3, line 30, col. 5	\$ 24,740,904
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)	1.994143%
RETURN			
12	Return on Rate Base	Attach. H-28A, p. 3, line 40, col. 5	\$ 79,678,780
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)	6.422194%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	8.416338%

Column 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	\$ 24,740,904	
11b	Annual Allocation Factor for Income Taxes	(line 10b divided by line 2, col. 3)	1.994143%	1.994143%
RETURN				
12b	Return on Rate Base	Attachment 2, line 22	\$ 79,678,780	
13b	Annual Allocation Factor for Return on Rate Base	(line 12b divided by line 2, col. 3)	6.422194%	6.422194%
14b	Annual Allocation Factor for Return	Sum of line 11b and 13b		8.416338%
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)
2a	Install 230kV series reactor and 2- 100MVAR PLC switched capacitors at Hunterstown	b0215	\$ 12,637,431	4.289879%	\$542,131	\$ 10,062,081	8.416338%	\$846,859	\$ 259,067	\$1,648,057	-	\$1,648,057	(126,728)	\$1,521,328
2b	Replace wave trap and upgrade a bus section at Keystone 500 kV – on the Keystone – Airvale 500 kV	b0284.3	\$ -	4.289879%	\$0	\$ -	8.416338%	\$0	\$ -	\$0	-	\$0	(5,767)	-\$5,767
2c	Install 100 MVAR Dynamic Reactive Device at Airvale 500 kV substation	b0369	\$ -	4.289879%	\$0	\$ -	8.416338%	\$0	\$ -	\$0	-	\$0	(263,576)	-\$263,576
2d	Install 200 MVAR capacitor at Keystone 500 kV	b0549	\$ 3,207,134	4.289879%	\$137,562	\$ 2,779,596	8.416338%	\$333,940	\$ 65,746	\$437,269	-	\$437,269	(34,334)	\$402,934
2e	Install 25 MVAR capacitor at Easton 115 kV substation	b0551	\$ 1,380,393	4.289879%	\$59,217	\$ 1,091,032	8.416338%	\$91,825	\$ 28,022	\$179,064	-	\$179,064	(13,820)	\$165,244
2f	Install 50 MVAR capacitor at Abouma 230 kV substation	b0552	\$ 1,030,335	4.289879%	\$44,543	\$ 986,416	8.416338%	\$77,970	\$ 21,286	\$143,799	-	\$143,799	(9,673)	\$134,126
2g	Install 60 MVAR capacitor at Rawchown 230 kV substation	b0553	\$ 927,947	4.289879%	\$39,808	\$ 803,901	8.416338%	\$67,659	\$ 19,023	\$126,490	-	\$126,490	(9,674)	\$116,815
2h	Install 75 MVAR capacitor at East Towards 230 kV substation	b0557	\$ 2,177,814	4.289879%	\$93,426	\$ 1,887,659	8.416338%	\$158,872	\$ 44,210	\$296,507	-	\$296,507	(22,973)	\$273,534
2i	Relocate the Six South 345 kV line terminal	b1593	\$ 10,675,225	4.289879%	\$457,954	\$ 9,942,349	8.416338%	\$839,365	\$ 219,910	\$1,556,229	-	\$1,556,229	(109,462)	\$1,396,767
2j	Convert Lewis Run-Farmers Valley to 230 kV using 1033.5 ACBR conductor. Project to be completed in conjunction with new Farmers Valley 345/230 kV transformation.	b1594	\$ 69,253,918	4.289879%	\$2,541,921	\$ 77,862,961	8.416338%	\$4,869,942	\$ 1,250,268	\$8,662,121	-	\$8,662,121	(323)	\$8,661,798
2k	Loop the 2026 (TMI - Hosenack 500 kV) line in to the Lautschown substation and upgrade relay at TMI 500 kV	b2006.1.1_DFAX_All option	\$ 2,215,070	4.289879%	\$95,024	\$ 2,100,526	8.416338%	\$176,787	\$ 54,491	\$326,302	-	\$326,302	(12,623)	\$313,679
2l	Loop the 2026 (TMI - Hosenack 500 kV) line in to the Lautschown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Rat	\$ 2,215,070	4.289879%	\$95,024	\$ 2,100,526	8.416338%	\$176,787	\$ 54,491	\$326,302	-	\$326,302	(12,623)	\$313,679
2m	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 6,023,053	4.289879%	\$258,382	\$ 5,752,286	8.416338%	\$484,132	\$ 132,507	\$875,021	-	\$875,021	(8,117)	\$866,904
2n	Reconductor Hunterstown - Oxford 115 kV line	b2452.1	\$ 2,721,544	4.289879%	\$116,791	\$ 2,597,151	8.416338%	\$218,595	\$ 59,874	\$395,210	-	\$395,210	(34,828)	\$360,382
3	Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7										14,922,370.36			
4	Additional Incentive Revenue taken to Attachment H-28A Page 3, Line 42										80.00			

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

TEC Worksheet Support
Net Plant Detail

Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
2a	Install 220kV 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
2d	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
2e	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
2f	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
2g	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
2h	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
2i	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
2j	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	\$ 59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918	\$59,253,918
2k	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lauschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_DFAX_Allocation	\$ 2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070
2l	Loop the 2026 (TMI - Hosensack 500 kV) line in to the Lauschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Ratio_Share_Allocation	\$ 2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070	\$2,215,070
2m	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$ 6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053	\$6,023,053
2n	Reconductor Hunterstown - Oxford 115 kV line	b2452.1	\$ 2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544	\$2,721,544

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 12/31/2019

Accumulated Depreciation (Note B)	Dec-18 (Note D)	Jan-19 (Note D)	Feb-19 (Note D)	Mar-19 (Note D)	Apr-19 (Note D)	May-19 (Note D)	Jun-19 (Note D)	Jul-19 (Note D)	Aug-19 (Note D)	Sep-19 (Note D)	Oct-19 (Note D)	Nov-19 (Note D)	Dec-19 (Note D)	Project Net Plant (Note B & C)
\$2,575,350	\$ 2,445,817	\$ 2,467,405	\$ 2,488,994	\$ 2,510,583	\$ 2,532,172	\$ 2,553,761	\$ 2,575,350	\$ 2,596,939	\$ 2,618,528	\$ 2,640,117	\$ 2,661,706	\$ 2,683,295	\$ 2,704,884	\$10,062,081
\$427,539	\$394,665	\$400,144	\$405,623	\$411,102	\$416,581	\$422,060	\$427,539	\$433,017	\$438,496	\$443,975	\$449,454	\$454,933	\$460,412	\$2,779,596
\$289,361	\$275,350	\$277,685	\$280,020	\$282,355	\$284,690	\$287,026	\$289,361	\$291,696	\$294,031	\$296,366	\$298,701	\$301,037	\$303,372	\$1,091,032
\$111,919	\$101,276	\$103,049	\$104,823	\$106,597	\$108,371	\$110,145	\$111,919	\$113,692	\$115,466	\$117,240	\$119,014	\$120,788	\$122,562	\$926,416
\$124,046	\$114,534	\$116,120	\$117,705	\$119,290	\$120,875	\$122,460	\$124,046	\$125,631	\$127,216	\$128,801	\$130,387	\$131,972	\$133,557	\$803,901
\$290,155	\$268,050	\$271,735	\$275,419	\$279,103	\$282,787	\$286,471	\$290,155	\$293,839	\$297,524	\$301,208	\$304,892	\$308,576	\$312,260	\$1,887,659
\$832,877	\$722,922	\$741,248	\$759,574	\$777,899	\$796,225	\$814,551	\$832,877	\$851,203	\$869,528	\$887,854	\$906,180	\$924,506	\$942,832	\$9,842,349
\$1,390,957	\$765,828	\$870,016	\$974,205	\$1,078,393	\$1,182,581	\$1,286,769	\$1,390,957	\$1,495,145	\$1,599,333	\$1,703,522	\$1,807,710	\$1,911,898	\$2,016,086	\$57,862,961
\$114,544	\$87,299	\$91,840	\$96,381	\$100,922	\$105,463	\$110,003	\$114,544	\$119,085	\$123,626	\$128,167	\$132,708	\$137,249	\$141,790	\$2,100,526
\$114,544	\$87,299	\$91,840	\$96,381	\$100,922	\$105,463	\$110,003	\$114,544	\$119,085	\$123,626	\$128,167	\$132,708	\$137,249	\$141,790	\$2,100,526
\$270,767	\$204,514	\$215,556	\$226,598	\$237,641	\$248,683	\$259,725	\$270,767	\$281,810	\$292,852	\$303,894	\$314,936	\$325,979	\$337,021	\$5,752,286
\$124,394	\$94,457	\$99,446	\$104,436	\$109,425	\$114,415	\$119,404	\$124,394	\$129,383	\$134,373	\$139,362	\$144,352	\$149,341	\$154,331	\$2,597,151

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		3,293,661							
2a	b0215			\$1,824,693	0.28	912,346.68	\$795,157	117,190	9,538	126,728
2b	b0284.3			\$10,703	0.00	5,351.68	\$0	5,352	436	5,787
2c	b0369			\$524,464	0.08	262,232.21	\$0	262,232	21,343	283,576
2d	b0549			\$485,007	0.07	242,503.54	\$210,753	31,750	2,584	34,334
2e	b0551			\$198,313	0.03	99,156.69	\$86,377	12,780	1,040	13,820
2f	b0552			\$156,457	0.02	78,228.29	\$69,283	8,945	728	9,673
2g	b0553			\$139,823	0.02	69,911.66	\$60,965	8,946	728	9,674
2h	b0557			\$328,224	0.05	164,111.82	\$142,868	21,244	1,729	22,973
2i	b1993			\$1,648,748	0.25	824,374.00	\$723,151	101,223	8,239	109,462
2j	b1994			\$7,403	0.00	3,701.42	\$3,403	299	24	323
2k	b2006.1.1_DFAX_Allocation			\$227,060	0.03	113,530.21	\$101,858	11,673	950	12,623
2l	b2006.1.1_Load_Ratio_Share_Allocation			\$227,060	0.03	113,530.21	\$101,858	11,673	950	12,623
2m	b2452			\$508,733	0.08	254,366.30	\$246,860	7,506	611	8,117
2n	b2452.1			\$300,633	0.05	150,316.67	\$118,115	32,202	2,621	34,823
3	Subtotal			6,587,323			2,660,647	633,014		684,536
4	Total Interest (Sourced from Attachment 13a, line 30)									51,522

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 2017 Available June 1, 2018* \$53,754,559	2017 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2016* \$66,762,395	True-up Adjustment - Over (Under) Recovery \$13,007,836
--	--	--

*Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement. Additionally, limited modifications were made on Attachments 11 and 11a, resulting in a minor shift in the true-up between NITS and TEC, as well as, a minor reduction in O&M expense on Attachment H-28A, page 3 of 5, which results in a minor increase to the overall true-up.

	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]		0.3607%				

An over or under collection will be recovered prorata over 2017, held for 2018 and returned prorata over 2019

Calculation of Interest		Monthly				
3 January	Year 2017	-	0.3607%	12	-	-
4 February	Year 2017	-	0.3607%	11	-	-
5 March	Year 2017	-	0.3607%	10	-	-
6 April	Year 2017	-	0.3607%	9	-	-
7 May	Year 2017	-	0.3607%	8	-	-
8 June	Year 2017	-	0.3607%	7	-	-
9 July	Year 2017	2,167,973	0.3607%	6	(46,921)	(2,214,894)
10 August	Year 2017	2,167,973	0.3607%	5	(39,101)	(2,207,074)
11 September	Year 2017	2,167,973	0.3607%	4	(31,281)	(2,199,253)
12 October	Year 2017	2,167,973	0.3607%	3	(23,461)	(2,191,433)
13 November	Year 2017	2,167,973	0.3607%	2	(15,640)	(2,183,613)
14 December	Year 2017	2,167,973	0.3607%	1	(7,820)	(2,175,793)
					(164,224)	(13,172,060)

Annual		Annual				
15 January through December	Year 2018	(13,172,060)	0.3607%	12	(570,162)	(13,742,222)

Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months		Monthly					
16 January	Year 2019	13,742,222	0.3607%		(49,570)	1,172,213	(12,619,580)
17 February	Year 2019	12,619,580	0.3607%		(45,521)	1,172,213	(11,492,887)
18 March	Year 2019	11,492,887	0.3607%		(41,456)	1,172,213	(10,362,131)
19 April	Year 2019	10,362,131	0.3607%		(37,378)	1,172,213	(9,227,296)
20 May	Year 2019	9,227,296	0.3607%		(33,284)	1,172,213	(8,088,367)
21 June	Year 2019	8,088,367	0.3607%		(29,176)	1,172,213	(6,945,330)
22 July	Year 2019	6,945,330	0.3607%		(25,053)	1,172,213	(5,798,170)
23 August	Year 2019	5,798,170	0.3607%		(20,915)	1,172,213	(4,646,872)
24 September	Year 2019	4,646,872	0.3607%		(16,762)	1,172,213	(3,491,421)
25 October	Year 2019	3,491,421	0.3607%		(12,594)	1,172,213	(2,331,802)
26 November	Year 2019	2,331,802	0.3607%		(8,411)	1,172,213	(1,168,000)
27 December	Year 2019	1,168,000	0.3607%		(4,213)	1,172,213	0
					(324,333)		

28 True-Up with Interest	\$ 14,066,555
29 Less Over (Under) Recovery	\$ 13,007,836
30 Total Interest	\$ 1,058,719

[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 2017 Available June 1, 2018*	TEC 2017 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2016*	True-up Adjustment - Over (Under) Recovery
\$2,660,647	\$3,293,661	\$633,014

*Pursuant to Section 2.11 of the uncontested settlement filed in Docket No. ER17-211-003 on October 13, 2017 and approved by the Commission on May 22, 2018, the settling parties agreed that the calculation of 2017 values in the 2017 ATRR shall be derived as described in Appendix 5 of the settlement. Additionally, limited modifications were made on Attachments 11 and 11a, resulting in a minor shift in the true-up between NITS and TEC, as well as, a minor reduction in O&M expense on Attachment H-28A, page 3 of 5, which results in a minor increase to the overall true-up.

	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)		0.3607%				

An over or under collection will be recovered prorata over 2017, held for 2018 and returned prorata over 2019

<u>Calculation of Interest</u>			<u>Monthly</u>			
3 January	Year 2017	-	0.3607%	12	-	-
4 February	Year 2017	-	0.3607%	11	-	-
5 March	Year 2017	-	0.3607%	10	-	-
6 April	Year 2017	-	0.3607%	9	-	-
7 May	Year 2017	-	0.3607%	8	-	-
8 June	Year 2017	-	0.3607%	7	-	-
9 July	Year 2017	105,502	0.3607%	6	(2,283)	(107,786)
10 August	Year 2017	105,502	0.3607%	5	(1,903)	(107,405)
11 September	Year 2017	105,502	0.3607%	4	(1,522)	(107,025)
12 October	Year 2017	105,502	0.3607%	3	(1,142)	(106,644)
13 November	Year 2017	105,502	0.3607%	2	(761)	(106,263)
14 December	Year 2017	105,502	0.3607%	1	(381)	(105,883)
					(7,992)	(641,006)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>			<u>Monthly</u>			
15 January through December	Year 2018	(641,006)	0.3607%	12	(27,746)	(668,752)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>			<u>Monthly</u>			
16 January	Year 2019	668,752	0.3607%		(2,412)	57,045
17 February	Year 2019	614,120	0.3607%		(2,215)	57,045
18 March	Year 2019	559,290	0.3607%		(2,017)	57,045
19 April	Year 2019	504,263	0.3607%		(1,819)	57,045
20 May	Year 2019	449,038	0.3607%		(1,620)	57,045
21 June	Year 2019	393,613	0.3607%		(1,420)	57,045
22 July	Year 2019	337,988	0.3607%		(1,219)	57,045
23 August	Year 2019	282,162	0.3607%		(1,018)	57,045
24 September	Year 2019	226,136	0.3607%		(816)	57,045
25 October	Year 2019	169,907	0.3607%		(613)	57,045
26 November	Year 2019	113,475	0.3607%		(409)	57,045
27 December	Year 2019	56,840	0.3607%		(205)	57,045
					(15,783)	
28 True-Up with Interest					\$	684,536
29 Less Over (Under) Recovery					\$	633,014
30 Total Interest					\$	51,522

[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 12-31-18	BALANCE AS OF 12-31-19	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]	692,368	692,368	692,368			

Unfunded Reserves

Line No.	Description	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G
		BALANCE AS OF 12-31-18	BALANCE AS OF 12-31-19	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]	[2]	[3]	[4]	[5]	[6]
Income Tax Adjustments					
		<u>Beg/End Average [C]</u>	<u>Dec 31,</u> <u>2019</u>	<u>Dec 31,</u> <u>2019</u>	<u>Reference</u>
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	\$289,181	\$289,181	\$289,181	MAIT Company Records
2 Amortized Excess Deferred Taxes (enter negative)	[B]	(333,725)	(333,725)	(333,725)	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]	[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 2018	p232 (and Notes)	25			526,317	
3	January	FERC Account 182.3	24	526,317	21,930	504,387	
4	February	FERC Account 182.3	23	504,387	21,930	482,457	
5	March	FERC Account 182.3	22	482,457	21,930	460,527	
6	April	FERC Account 182.3	21	460,527	21,930	438,598	
7	May	FERC Account 182.3	20	438,598	21,930	416,668	
8	June	FERC Account 182.3	19	416,668	21,930	394,738	
9	July	FERC Account 182.3	18	394,738	21,930	372,808	
10	August	FERC Account 182.3	17	372,808	21,930	350,878	
11	September	FERC Account 182.3	16	350,878	21,930	328,948	
12	October	FERC Account 182.3	15	328,948	21,930	307,018	
13	November	FERC Account 182.3	14	307,018	21,930	285,088	
14	December 2019	p232 (and Notes)	13	285,088	21,930	263,159	
15	Ending Balance 13-Month Average	(sum lines 2-14) /13			<u>263,159</u>	<u>394,738</u>	

Attachment H-28A, page 3, line 11

Attachment H-28A, page 2, Line 27

		Regulatory Asset - Vegetation Management					
[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 2018	p232 (and Notes)	73			3,583,482	
3	January	FERC Account 182.3	72	3,583,482	49,771	3,533,712	
4	February	FERC Account 182.3	71	3,533,712	49,771	3,483,941	
5	March	FERC Account 182.3	70	3,483,941	49,771	3,434,170	
6	April	FERC Account 182.3	69	3,434,170	49,771	3,384,400	
7	May	FERC Account 182.3	68	3,384,400	49,771	3,334,629	
8	June	FERC Account 182.3	67	3,334,629	49,771	3,284,859	
9	July	FERC Account 182.3	66	3,284,859	49,771	3,235,088	
10	August	FERC Account 182.3	65	3,235,088	49,771	3,185,318	
11	September	FERC Account 182.3	64	3,185,318	49,771	3,135,547	
12	October	FERC Account 182.3	63	3,135,547	49,771	3,085,776	
13	November	FERC Account 182.3	62	3,085,776	49,771	3,036,006	
14	December 2019	p232 (and Notes)	61	3,036,006	49,771	2,986,235	
15	Ending Balance 13-Month Average	(sum lines 2-14) /13			<u>\$597,247</u>	<u>3,284,859</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 2018	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 2019	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

	[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 2018	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 2019	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	2018	
2	January	2019	
3	February	2019	
4	March	2019	
5	April	2019	
6	May	2019	
7	June	2019	
8	July	2019	
9	August	2019	
10	September	2019	
11	October	2019	
12	November	2019	
13	December	2019	
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
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	\$519,330
84			
85	561.1	Load Dispatch-Reliability	\$1,321,747
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$885,582
87	561.3	Load-Dispatch-Transmission Service and Scheduling	
88	561.4	Scheduling, System Control and Dispatch Services	\$222,000
89	561.5	Reliability, Planning and Standards Development	\$210,177
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	\$687,392
94	563	Overhead Lines Expense	\$12,773
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	
97	566	Miscellaneous Transmission Expense	\$6,270,722
98	567	Rents	\$7,177,788
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$17,307,510
100		<i>Maintenance</i>	
101	568	Maintenance Supervision and Engineering	\$2,943,715
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$7,117
104	569.2	Maintenance of Computer Software	\$40,384
105	569.3	Maintenance of Communication Equipment	
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$5,137,315
108	571	Maintenance of Overhead Lines	\$42,917,070
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$281,931
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$51,327,531
112		TOTAL Transmission Expenses (Total of lines 99 and 111) [c]	\$68,635,041

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	\$3,547,068
185	924	Property Insurance	
186	925	Injuries and Damages	
187	926	Employee Pensions and Benefits	-\$4,757,131
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	\$12,926
194		Total Operation (Enter Total of lines 181 thru 193)	-\$1,170,137
195		<i>Maintenance</i>	
196	935	Maintenance of General Plant	\$1,080,283
197		TOTAL A&G Expenses (Total of lines 194 and 196) [f]	-\$89,854

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, 2019	
1	Account 451 -- Miscellaneous Service Revenues	FERC Form 1 , page 300 and footnote data	Note S, page 5
		<u>Amount</u>	
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	\$ 584,491	
3b	Facility Maintenance Charges	\$ 831,393	
3z	Account 456 Total	\$1,415,884	

Attachment C
Service Agreement

Service Company Agreement-Utility Execution Copy

SERVICE AGREEMENT

This Service Agreement ("Agreement") is entered into as of the 31st day of January, 2017, by and between each of the associate companies listed on the signature page hereto (each a "Client Company"), and FirstEnergy Service Company, an Ohio corporation ("Service Company").

WHEREAS, Service Company is a direct wholly-owned subsidiary of FirstEnergy Corp., a holding company under the Public Utility Holding Company Act of 2005, as amended (the "Act");

WHEREAS, Service Company has been formed for the purpose of providing administrative, management and other services to FirstEnergy Corp. and its associate companies, including Client Company (together, the "Client Companies"); and

WHEREAS, Client Company believes that it is in its interest to enter into an arrangement whereby Client Company may agree to purchase such administrative, management and other services from Service Company as Client Company may choose at cost as determined in accordance with this Agreement and the Act;

NOW, THEREFORE, in consideration of the mutual covenants contained herein and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

1. DESCRIPTION OF SERVICES.

Service Company agrees to provide certain administrative, management or other services (the "Services") to Client Company similar to those supplied to other Client Companies of Service Company. Such services are and will be provided to Client Company only at the request of Client Company. Exhibit A hereto lists and describes all of the Services that are available from Service Company.

2. PERSONNEL.

In order to provide the Services, Service Company will employ executive officers, accountants, financial advisers, technical advisers, attorneys and other persons with the necessary qualifications. If necessary, Service Company may also arrange for the services of nonaffiliated experts, consultants and attorneys in connection with the performance of any of the Services provided under this Agreement.

3. COMPENSATION AND ALLOCATION.

As and to the extent required by law, Service Company provides and will provide such services at fully allocated cost, determined in accordance with the Act. Exhibit A hereof contains rules for determining and allocating such costs.

4. TERMINATION AND MODIFICATION.

Either party to this Agreement may terminate this Agreement by providing 60 days written notice of such termination to the other party. This Agreement is subject to termination or modification at any time to the extent its performance may conflict with the provisions of the Act or with any rule, regulation or order of the Federal Regulatory Energy Commission (the "Commission") adopted before or after the making of this Agreement. This Agreement shall be subject to the approval of any state commission or other state regulatory body whose approval is, by the laws of said state, a legal prerequisite to the execution and delivery or the performance of this Agreement.

5. SERVICE REQUESTS.

Client Company and Service Company will prepare a Service Request on or before September 30th of each year listing Services to be provided to Client Company by Service Company and any special arrangements related to the provision of such Services for the coming year, based on Services provided during the preceding year. Client Company and Service Company may supplement the Service Request during the year to reflect any additional or special Services that Client Company wishes to obtain from Service Company, and the arrangements relating thereto.

6. BILLING AND PAYMENT.

Unless otherwise set forth in a Service Request, payment for Services provided by Service Company shall be by making remittance of the amount billed or by making appropriate accounting entries on the books of Client Company and Service Company. Billing will be made on a monthly basis, with the bill to be rendered as soon as practicable after the close of the month, and remittance or accounting entries completed within 30 days of billing. Any amount remaining unpaid after 30 days following receipt of the bill shall bear interest thereon from the due date of the bill until payment at a rate equal to the prime rate on the due date.

7. NOTICE.

Where written notice is required by this Agreement, all notices, consents, certificates, or other communications hereunder shall be in writing and shall be deemed given when mailed by United States registered or certified mail, postage prepaid, return receipt requested, addressed as follows:

To Client Company: c/o President
76 South Main St.
Akron, Ohio 44308

To Service Company: c/o Vice President and Controller
76 South Main Street
Akron, Ohio 44308

8. GOVERNING LAW.

This Agreement shall be governed by and construed in accordance with the laws of the State of Ohio, without regard to its conflict of law's provisions.

9. MODIFICATION.

No amendment, change or modification to this Agreement shall be valid, unless made in writing and signed by both parties hereto.

10. ENTIRE AGREEMENT.

This Agreement, together with its exhibits, constitutes the entire understanding and agreement of the parties with respect to its subject matter, and effective upon the execution of this Agreement by the respective parties hereof, any and all prior agreements, understandings or representations with respect to this subject matter are hereby terminated and canceled in their entirety and are of no further force and effect, except to the extent transactions thereunder have taken place prior to such effective date in which case such agreements will govern the terms of such transactions.

11. WAIVER.

No waiver by either party hereto of a breach of any provision of this Agreement shall constitute a waiver of any preceding or succeeding breach of the same or any other provision hereof.

12. ASSIGNMENT.

This Agreement shall inure to the benefit and shall be binding upon the parties and their respective successors and assigns. No assignment of this Agreement or either party's rights, interests or obligations hereunder may be made without the other party's consent, which shall not be unreasonably withheld, delayed or conditioned.

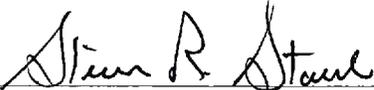
13. SEVERABILITY.

If any provision or provisions of this Agreement shall be held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the validity, legality, and enforceability of the remaining provisions shall in no way be affected or impaired thereby.

[Remainder of this page intentionally left blank.]

IN WITNESS WHEREOF, the parties have caused this Agreement to be duly executed effective as of the 31st day of January, 2017. This Agreement supersedes any previous agreement between the Service Company and the Client Companies.

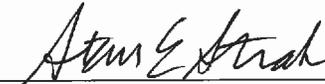
FirstEnergy Service Company

By: 
Steven R. Staub
Vice President and Treasurer

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Client Companies:

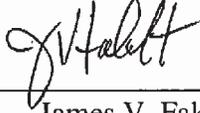
**Ohio Edison Company
The Cleveland Electric Illuminating
Company
The Toledo Edison Company
Pennsylvania Power Company
American Transmission Systems,
Incorporated
Pennsylvania Electric Company
Waverly Electric Power & Light
Company
Metropolitan Edison Company
Monongahela Power Company
The Potomac Edison Company
West Penn Power Company
PATH-Allegheny Land Acquisition
Company
PATH-Allegheny Maryland
Transmission Company, LLC
PATH Allegheny Transmission
Company, LLC
PATH Allegheny Virginia
Transmission Corporation
AYE Series, Potomac-Appalachian
Transmission Highline, LLC
Trans-Allegheny Interstate Line
Company
Mid-Atlantic Interstate Transmission,
LLC**

By: 

Steven E. Strah
President

[Remainder of this page intentionally left blank.]

**Jersey Central Power & Light
Company**

By: 

James V. Fakult
President

EXHIBIT A
DESCRIPTION OF SERVICES AND ALLOCATION METHODOLOGY

1. Description Of Services

Overview

This Exhibit provides a description of all services provided by Service Company departments and the cost allocation methodologies to be used in connection therewith. All products and services are subject to Service Level Standards as negotiated between the Service Company department and Client Company. Each Client Company is classified as either a "Utility Subsidiary" or a "Non-Utility Subsidiary".

2. Cost Allocation Methodology

Overview

The costs of services provided by Service Company will be directly assigned, distributed or allocated by activity, project, program, work order or other appropriate basis. The primary basis for charges to affiliates is the direct charge method. The methodologies listed below pertain to all other costs which are not directly assigned but which make up the fully allocated cost of providing the product or service. The costs of product and services provided by the ServeCo that cannot be charged directly to the Subsidiary receiving the product or service will be allocated among the associate companies by utilizing one of the methods described below that most accurately distributes the costs. The method of cost allocation varies based on the department rendering the service. The allocation methods used by Service Company are as follows:

a. **"Multiple Factor – All"** - For the Indirect Costs for products or services benefiting the entire FirstEnergy system, FirstEnergy and all Subsidiaries will bear a fair and equitable portion of such costs. FirstEnergy will bear 5% of these Indirect Costs. The remaining Indirect Costs will be allocated among the Utility Subsidiaries and the Non-Utility Subsidiaries benefiting from the services provided based on FirstEnergy's equity investment in the respective groups. A subsequent allocation step will then occur. Among the Utility Subsidiaries, allocations will be based upon the **"Multiple Factor - Utility"** method. Among the Non-Utility Subsidiaries, allocations will be based upon the **"Multiple Factor - Non-Utility"** method.

b. **"Multiple Factor – Utility"** - For the Indirect Costs for a product or service solely benefiting one or more of the Utility Subsidiaries, each such Utility Subsidiary so benefiting will be charged a portion of the Indirect Costs based on the sum of the weighted averages of the following factors:

1. Gross transmission and/or distribution plant
2. Operating and maintenance expense excluding purchase power and fuel costs

3. Transmission and/or distribution revenues, excluding transactions with affiliates

These three (3) factors have been determined to be the most appropriate for the Utility Subsidiaries in the FirstEnergy system. Each factor will be weighted equally so that no one facet of the electric utility operations inordinately influences the distribution of Indirect Costs.

c. “Multiple Factor - Non-Utility” - For the Indirect Costs for products or services solely benefiting the Non-Utility Subsidiaries, each Non-Utility Subsidiary so benefiting receiving the product or service will be charged a proportion of the Indirect Costs based upon the total assets of each Non-Utility Subsidiary, including the generating assets under operating leases from the Utility Subsidiaries.

d. “Multiple Factor - Utility and Non-Utility” - For the Indirect Costs for a product or service benefiting one or more of the Utility and Non-Utility Subsidiaries, each such Subsidiary so benefiting is first assigned a distribution ratio that is in proportion to the Indirect Costs based on FirstEnergy’s equity investment in such Subsidiaries. Following this distribution, a subsequent allocation step will then occur. Among the Utility Subsidiaries, allocations will be based upon the **“Multiple Factor-Utility.”** Among the Non-Utility Subsidiaries, allocations will be based upon **“Multiple Factor - Non-Utility”**

e. “Direct Charge Ratio” - The ratio of direct charges for a particular product or service to an individual Subsidiary as a percentage of the total direct charges for a particular product or service to all Subsidiaries benefiting from such services. Indirect Costs are then allocated to each Subsidiary based on the calculated ratios.

f. “Number of Customers Ratio” - For costs of products and services driven by the number of Utility customers, the allocation method that will be used will be the number of Utility customers for the respective Utility Subsidiary receiving the product or service divided by the total number of utility customers.

g. “Number of Shopping Customers Ratio” - A “shopping customer” is defined as a Utility customer who has selected a competitive electric generation supplier. For costs of products and services driven by the number of shopping customers, the allocation method that will be used will be the number of shopping customers for the respective Utility Subsidiary receiving the product or service divided by the total number of shopping customers.

h. “Number of Participating Employees – General” - For costs of products and services driven by all participating employees within the FirstEnergy system, the allocation method that will be used will be the number of participating employees for the respective Subsidiary receiving the product or service divided by the total number of participating employees.

i. “Number of Participating Employees - Utility and Non-Utility” - For costs of products and services driven by participating employees who work for the Utility and Non-Utility Subsidiaries, the Subsidiaries receiving the product or service are first assigned a distribution ratio that is in proportion to the Indirect Costs based on FirstEnergy’s equity investment in the respective groups. Costs are further allocated by using the number of participating employees for the respective Subsidiary divided by the total number of participating FirstEnergy employees.

j. “Gigabytes Used Ratio” - Number of gigabytes utilized by a Subsidiary receiving the product or service divided by the total number of gigabytes used by the FirstEnergy system companies applicable to that respective product or service.

k. “Number of Computer Workstations Ratio” - Number of computer workstations utilized by a Subsidiary receiving the product or service divided by the total number of computer workstations in use by the FirstEnergy system companies applicable to that respective product or service.

l. “Number of Billing Inserts Ratio” - Number of billing inserts performed for a Subsidiary receiving the product or service divided by the total number of billing inserts performed for the FirstEnergy system companies applicable to that respective product or service.

m. “Number of Invoices Ratio” - Number of invoices processed for a Subsidiary receiving the product or service divided by the total number of invoices processed for the FirstEnergy system companies applicable to that respective product or service.

n. “Number of Payments Ratio” - Number of monthly payments processed for a Subsidiary divided by the total monthly number of payments processed for the FirstEnergy system companies applicable to that respective product or service. This will not be utilized until some historical information is available out of our new automated system.

o. “Daily Print Volume” - Average daily print volume performed for a Subsidiary receiving the service divided by the total average daily print volume performed for the entire FirstEnergy system.

p. **“Number of Intel Servers”** - Number of Intel servers utilized by a Subsidiary receiving the product or service divided by the total number of Intel servers utilized by the FirstEnergy system.

q. **“Application Development Ratio”** - Number of application development hours budgeted for a Subsidiary receiving the service divided by the total number of budgeted application development hours for the year.

r. **“Server Support Composite”** - The average ratio of unix gigabytes, SAP gigabytes and Intel number of servers for a Subsidiary receiving the service.

3. Descriptions of Products and Services

CALL CENTER

Product or Service	Product / Service Description	Indirect Allocation Methods
Field All Inbound Regulated Calls	Field calls related to billing, credit, new service, service order completion, outages, and other miscellaneous activities.	Multiple Factor – Utility and Non-Utility
Field All Inbound Unregulated Calls	Field calls related to billing, credit, new service, service order completion, outages, and other miscellaneous activities.	Multiple Factor – Utility and Non-Utility

CUSTOMER SERVICE

Product or Service	Product / Service Description	Indirect Allocation Methods
Supplier Services	Provide customer services support to electric generation suppliers, administer and maintain Electronic Data Interface (EDI) functions and invoice suppliers.	Number of Shopping Customers Ratio
Regulatory Interface and Process Improvement: Supplier	Liaison to ensure Customer Choice requirements and develop and execute plans to improve supplier services processes.	Number of Shopping Customers Ratio
Market Support Generation (MSG) Administration	Administer and support MSG supplier functions.	Number of Shopping Customers Ratio
Regulatory Interface and Process Improvement: Regulatory	Respond to regulatory complaints from customers and develop and execute plans to improve regulatory compliance processes.	Number of Customers Ratio
Compliance	Work with regions to communicate and ensure regulatory requirements.	Multiple Factor – Utility
Power Billing	Provide billing functions for large commercial/industrial contract customers.	Number of Customers Ratio
Revenue Reporting	Perform and manage revenue reporting functions.	Number of Customers Ratio
Billing Exception Processing	Process billing exceptions.	Number of Customers Ratio
Remittance Processing	Process customer payments and deposit funds.	Number of Payments Ratio
Human Services	Coordinate and administer the various social services programs.	Number of Customers Ratio

Arrears Management/ Outsourcing Services Incorporated (OSI) Administration	Coordinate and perform arrears, credit and bankruptcy functions. Manage outside collections agencies' performance and OSI credit activities.	Number of Customers Ratio
Revenue Protection Administration	Perform revenue reporting and compliance functions.	Number of Customers Ratio
Metrics and Budget/ Customer Satisfaction Measurement	Manage Customer Services and Call Center Departments' budgets and measure performance and customer satisfaction results.	Number of Customers Ratio
Policy/Procedures Development and Documentation	Develop, document and communicate Customer Services policies and procedures.	Number of Customers Ratio
Bill Administration/ Forms Administration	Design standardized customer bills, envelopes, and forms.	Number of Customers Ratio
Meter Reading Support	Coordinate Meter Reading schedules and routing activities.	Number of Customers Ratio
Customer Information System (CIS) Control	Operate and maintain CIS.	Number of Customers Ratio

ECONOMIC DEVELOPMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Economic Development Services	Foster economic development to encourage capital investment in FirstEnergy's service areas.	Multiple Factor – Utility

TRANSMISSION & DISTRIBUTION TECHNICAL SERVICES

Product or Service	Product / Service Description	Indirect Allocation Methods
Forestry	Provide forestry services.	Multiple Factor – Utility
Distribution Reliability and Asset Records	Services include Joint User contracts, public works coordination, reliability reporting to regions and Public Utility Commissions, mutual assistance coordination, PowerOn support, cable locate ticket screening and tariff support.	Multiple Factor – Utility

Design Standards	Services include line material and construction standards, distribution line and underground maintenance practices and support, new business process support, and service practices.	Multiple Factor – Utility
Substation Services Support	Services include Substation maintenance plan coordination, practices and support, mobile substation administration and planning, and environmental compliance support.	Multiple Factor – Utility
Equipment Repair/Testing Services	Services include the maintenance, installation, maintenance, testing and repair of utility equipment.	Multiple Factor – Utility
Fleet Services	Develop fleet strategy, and perform fleet maintenance practices and support.	Multiple Factor – Utility
Financial Services	Identify revenue enhancements and cost reductions.	Multiple Factor – Utility
Substation Design and Transmission-Line Maintenance Support	Perform substation and transmission line design and project management and transmission line and substation design and material standards, right-of-way and survey services, transmission line maintenance plan coordination, practices and support, FAA activity coordination.	Multiple Factor – Utility
Planning and Protection	Perform planning and protection support for subtransmission system and overall radial system capacity planning overview, and interconnection coordination for distributed technology applications on distribution system.	Multiple Factor – Utility
Capital Budget and Equipment Support	Capital budget development and support, and major equipment specifications and procurement/repair activities for major equipment.	Multiple Factor – Utility

WORKFORCE DEVELOPMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Transmission and Distribution Skills Training	Develop and facilitate technical and safety training for workers associated with distribution activities, including line, substation, meter, fleet, warehouse, field engineering, and dispatch. Provide support through equipment evaluation, training analyses, job assessments, and project coordination.	Number of Participating Employees – General
Customer Service Skills Training	Develop and facilitate skills training for customer service groups.	Multiple Factor – Utility
External Learning Opportunities Through the Power Systems Institute	Develop educational partnerships with colleges to offer two-year degrees in electric utility technology.	Multiple Factor – Utility

ADMINISTRATIVE SERVICES

Product or Service	Product / Service Description	Indirect Allocation Methods
Provide Administrative Support Services	Provides services in production printing, document imaging, graphic services, food services, corporate mailroom and corporate courier.	Multiple Factor – Utility and Non-Utility or Multiple Factor Utility*
Provide Records Management Services	Provides services in records storage, records retrieval, records retention, records planning and engineering records.	Multiple Factor – Utility and Non-Utility or Multiple Factor Utility*
Provide Business Services	Provides services in convenience copiers, fax machines, pagers, printers, and business information center.	Multiple Factor – Utility and Non-Utility or Multiple Factor Utility*

* For services rendered only to the utilities.

EXECUTIVE

Product or Service	Product / Service Description	Indirect Allocation Methods
Executive Management	Consultation and services in management and administration of all aspects of the business.	Multiple Factor – All

COMMUNICATIONS

Product or Service	Product / Service Description	Indirect Allocation Methods
Public Relations	Provides services in media relations, financial communications, annual reports, executive presentation, public relations counsel, corporate writing, internet support and special projects.	Multiple Factor – All
Employee Communications	Provides services with update, retirees, satellite broadcast, human resource-related communications and special projects.	Number of Participating Employees – Utility and Non-Utility
Production	Provides services related to display, photography, Corporate ID, video and employee merchandise.	Multiple Factor – All
Sponsorship	Provides services related to sports marketing, university support and special projects.	Multiple Factor – All
Non-Utility Advertising	Provides services related to broadcast/print, collateral, direct mail, internet/intranet, display/merchandise, yellow/white pages, production/agency support and special projects.	Multiple Factor – Non-Utility
Utility Advertising	Provides services related to TV, radio, print, outdoors, Internet/Intranet, special projects, production, agency support and creative media placement.	Multiple Factor – Utility
Utility Bill Inserts	Provides services developing regulated bill service to Ohio, Pennsylvania and New Jersey.	Multiple Factor – Utility
Utility : Yellow / White Pages	Provides services with regulated yellow/white pages.	Multiple Factor – Utility
Utility: Research	Provides research services.	Multiple Factor – Utility
Ohio Consumer Education	Provides services related to Ohio Consumer Education statewide and locally.	Multiple Factor – Utility
Ohio Deregulation Education	Provides service related to Deregulation Education.	Multiple Factor – Utility

CORPORATE AFFAIRS AND COMMUNITY INVOLVEMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Corporate Affairs Activities	Provide administrative support through oversight of the business practices and planning and implementation of staff, senior management and related meetings. Serves as community liaison.	Multiple Factor – Utility
Direct Community Involvement Initiatives	Provides direction in employee volunteerism, supports viable community partnerships and educational initiatives.	Multiple Factor – Utility
Energy Efficiency Programs	Directing and coordinating Ohio Weatherization and Energy Efficiency Programs for Low Income Customers.	Multiple Factor – Utility
Community Initiatives Consulting Services	Consults to regional operations and other business units and client managers for the various community programs.	Multiple Factor – Utility
Contributions Management	Directs, coordinates, monitors, and manages contributions.	Multiple Factor – Utility

CORPORATE

Product or Service	Product / Service Description	Indirect Allocation Methods
Investor Services	Stock administration, perform recordkeeping, transfer agent, registrar, paying agent, reinvestment plan administration and other services for shareholders.	None (All Direct Charge to Holding Co.)
Board of Directors Support	Support and administration of Board of Directors meetings and director compensation.	None (All Direct Charge to Holding Co.)
Annual Meeting Coordination	Coordinate the Annual Meeting of Shareholders, including the preparation and mailing of proxy materials and annual reports and the tabulation of proxies.	None (All Direct Charge to Holding Co.).
Indenture Compliance	Administer the company's indentures	Multiple Factor – Utility

HUMAN RESOURCES

Product or Service	Product / Service Description	Indirect Allocation Methods
Manage Employee Executive Compensation and Benefits	Provide management and supervision for employee and executive compensation and benefits.	Number of Participating Employees – General
Manage Workers Compensation and Disability Management	Provide management and supervision for workers compensation and disability programs.	Number of Participating Employees – General
Provide and Coordinate Human Resources Training	Design, prepare and conduct training.	Number of Participating Employees – General
Provide Employment Services	Provide staffing, relocation and employment expertise.	Number of Participating Employees – General
Provide HRIS Services	Provide and maintain Human Resources information.	Number of Participating Employees – General
Provide Diversity Management Services	Manage Affirmative Action programs, provide EEO/AA consulting services, and respond to charges.	Number of Participating Employees – General
Manage/ Administer Medical Services and Wellness Programs	Establish compliance, develop, implement, and administer medical and wellness programs.	Number of Participating Employees – General

INDUSTRIAL RELATIONS

Product or Service	Product / Service Description	Indirect Allocation Methods
Provide Labor Contract Negotiations	Provide contract negotiation services for all labor agreements.	Number of Participating Employees – General
Provide Labor Consulting Services	Provide labor consulting services.	Number of Participating Employees – General
Manage/Administer Safety Programs	Develop, implement and administer occupational safety programs.	Number of Participating Employees – General

REAL ESTATE

Product or Service	Product / Service Description	Indirect Allocation Methods
Facilities Management	Management and maintenance of office facilities.	Multiple Factor – All or Multiple Factor Utility*
Facilities Planning and Project Management	Manage office design services, furniture, project management and other capital improvements.	Multiple Factor – All or Multiple Factor Utility*
Management of Real Estate Assets	Support internal and external inquiries regarding the acquisition, divestiture and management of real estate assets	Multiple Factor – All or Multiple Factor Utility*
Manage/Administer Security Programs	Administer physical security, special investigations, security audits, security consultation and contract guard services.	Multiple Factor – All or Multiple Factor Utility*

* For services rendered only to the utilities.

FIRSTENERGY TECHNOLOGIES

Product or Service	Product / Service Description	Indirect Allocation Methods
Strategic Technologies	Develop, support and implement EPRI programs, industry initiatives, research and development programs collaboratives and activities with universities, labs and the Department of Energy.	Multiple Factor – Utility
New Technology Assessment	Perform assessment activities for strategic technology pilots, technology assessments, marketing tests, customer pilots and due diligence reviews.	Multiple Factor – Utility and Non-Utility
Technical Application and Product Innovation	Develop, analyze and support strategic alliances, joint ventures, strategic startups, direct investments and Portfolio initiatives.	Multiple Factor – Utility and Non-Utility
New Technology and Product Market Deployment	Develop, support and implement the following initiatives: tailored solutions with existing products, commercial packages, operational efficiencies and business area solutions.	Multiple Factor – Utility and Non-Utility
Demand Response Initiatives	Provide support for corporate demand response initiatives.	Multiple Factor – Utility and Non-Utility
Renewable Energy Program and Strategy	Provide support for various corporate and regulatory initiatives to develop and implement renewable energy programs and products.	Multiple Factor – Utility

Regulated Programs and Services	Develop, support and implement programs and strategies to meet corporate initiatives and regulatory mandates and commitments related to Comprehensive Resource Assessment(CRA), customer end-use technology, distributed generation and load management.	Multiple Factor – Utility
Project Implementation Management Services	Develop and implement end-use and distributed generation technology-based products and services.	Multiple Factor – Utility and Non-Utility

TECHNOLOGY & SUPPORT SERVICES

Product or Service	Product / Service Description	Indirect Allocation Methods
Provide Network Services	Provide Internal Network Services.	Multiple Factor – Utility and Non-Utility
Maintain wireless cell sites and fiber optics network	Maintain internal wireless cell sites and fiber optic network; provide engineering, procurement, and installation services.	Multiple Factor – Utility and Non-Utility

INFORMATION TECHNOLOGY

Product or Service	Product / Service Description	Indirect Allocation Methods
Application Development	Create new or enhance existing applications; including analysis design coding, testing, system integration, and implementation, as well as any required technical writing or project manual development.	Directly Billed
Development Supervision and Tool Support	Supervision of application development employees and the support of development software tools.	Application Development Ratio
Server Support (Unix, SAP)	Create and support the network and server infrastructure to accommodate unix and SAP client server applications.	Gigabytes Used Ratio
Client Server Storage Support	Support of storage requirements for all server applications.	Server Support Composite Ratio
Server Support (Intel)	Create and support the network and server infrastructure to accommodate windows and NT client server applications.	Number of Intel Servers Ratio
Mainframe Processing and Storage Support	Execute mainframe applications, including an appropriate portion of support, started tasks, mainframe backups and microfiche services.	Gigabytes Used Ratio

Desktop Support	Help desk email and end-user tools, remote access, repair services, and general workstation support.	Number of Computer Workstations Ratio
Network Services	Includes voice, data, EMS and radio access.	Direct Charge Ratio
Inserting Services	Provide document bursting, inserting and mailing.	Number of Billing Inserts Ratio
Printing Services	Provide mainframe and client server printing services at the data center.	Daily Print Volume Ratio
Technical Consulting	Provide consulting support to departments and end-users to enable them to leverage their IT capabilities. Provide advice and consultation regarding desktop setups and configurations.	Directly Billed
Training	Provide IT training.	Multiple Factor – Utility and Non-Utility
Business Application Support	Support business application related software licenses and / or hardware maintenance provided by an outside vendor.	Directly Billed
Data Security	Disaster recovery and data security services.	Multiple Factor – Utility and Non-Utility
Project Management Office	Oversee technology projects through benefit.	Multiple Factor – Utility and Non-Utility
Provide Telecommunication Services	Provide telecommunication services and equipment.	Direct Charge Ratio
Portal Support	Support the infrastructure to accommodate internet and intranet application access.	Multiple Factor – Utility and Non-Utility

PERFORMANCE PLANNING

Product or Service	Product / Service Description	Indirect Allocation Methods
Performance Planning Services	Develop, support and execute performance planning services.	Multiple Factor – All

SUPPLY CHAIN

Product or Service	Product / Service Description	Indirect Allocation Methods
Strategic Planning, Demand management and Procurement Projects	Provide assistance in materials and services planning (demand management) and performs special procurement projects.	Multiple Factor – Utility and Non-Utility
Goods and services procurement	Procure material, equipment and contractor services. Establish, manage and administer programs, which allow internal customers to obtain goods without having to process the need through Procurement. Develop specifications, construction standards, schedules, and bills of materials.	Multiple Factor – Utility and Non-Utility
Materials Management Support	Maintain the computerized purchasing and materials management systems, and material related modules; maintain and/or modify select management reports. Analyze Supply Chain processes and measure performance. Monitor and forecast demand to ensure a continuous supply of materials.	Multiple Factor – Utility and Non-Utility
Investment Recovery Projects	Develop and implement plans for disposition of surplus assets.	Multiple Factor – Utility and Non-Utility
Process, Refurbish and Sell Materials	Perform recovery processing, investment recovery processing, refurbishing and selling materials.	Multiple Factor – Utility and Non-Utility
Provide Warehousing Services - Non-nuclear	Receive and place material into stock, insure quality requirements are met at receipt, maintain inventory counts, and update information systems. Fill customer requests for material from stock.	Multiple Factor – Utility and Non-Utility
Provide Warehousing Services - Nuclear	Receive and place material into stock, insure quality requirements are met at receipt, maintain inventory counts, and update information systems. Fill customer requests for material from stock.	None (All direct charged)
Warehousing Space Charge	Provide warehousing space to internal customers.	Multiple Factor – Utility and Non-Utility

CONTROLLERS

Product or Service	Product / Service Description	Indirect Allocation Methods
Accounting Research	Provide accounting research and consulting to ensure compliance with existing and proposed financial reporting, and regulatory accounting requirements.	Multiple Factor - All
Accounts Payable	Nonpayroll corporate disbursement services including account distribution to the general ledger. Resolve problems associated with invoice processing and maintain the accounts payable system.	Multiple Factor - All
Billing Services	Prepare non-retail electric billings.	Multiple Factor Utility
Infrastructure and Corporate Reporting, Accounting and Budgeting	Prepare Corporate Sustaining reports, subsidiary accounting and corporate budgeting, which includes reporting and support of the ledger, property records and SAP system.	Multiple Factor - All
Due Diligence	Assist value centers to determine whether proposed business acquisitions/combinations and similar transactions are desirable from a financial perspective; extensive review/analysis following preliminary review and firm intent to proceed with transaction through commitment and closing phases.	None (All direct charged)
Value Center Accounting and Budgeting	Maintain the property accounting system and provide value center accounting such as management reporting.	Multiple Factor – Utility and Non-Utility
Property Record Maintenance	Maintain corporate continuing property records.	Multiple Factor – Utility and Non-Utility or Multiple Factor Utility*
Tax Consulting and Research	Conduct tax research and tax consulting to assure compliance with statutes, while evaluating alternative tax strategies within the constraints of regulations that provide additional shareholder value to the company. In addition, provide tax-consulting advice to the value centers on tax compliance and reporting issues, which includes business “start-up” support to organizations requiring assistance.	Multiple Factor – All

* For services rendered only to the utilities.

Tax Compliance	Prepare and process all schedules and information associated with corporate and subsidiary tax returns, audits, and tax litigation, assuring compliance with tax regulations and statutes.	Multiple Factor – All or Multiple Factor Utility*
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* For services rendered only to the utilities.

CREDIT MANAGEMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Credit Analysis and Supporting Functions	Provide detailed written credit analysis issuing recommendations on counterparty creditworthiness and assigning credit limits.	Multiple Factor – Utility and Non-Utility
Credit Policies and Procedures	Develop and support credit policies and procedures for managing credit risk. Implement and support standardized credit approval processes.	Multiple Factor – Utility and Non-Utility
Credit Management Information System	Develop and support credit management reports and calculate credit exposure on a corporate wide basis.	Multiple Factor - All

ENTERPRISE RISK MANAGEMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
General Risk Management	Develop and maintain an enterprise risk management system.	Multiple Factor - All

INSURANCE SERVICES

Product or Service	Product / Service Description	Indirect Allocation Methods
Insurance Policies	Manage and support insurance policies for all the business units .	Multiple Factor – Utility and Non-Utility
Loss Control Services	Manage and support property inspections to prevent losses.	Multiple Factor – Utility and Non-Utility
Surety Bonds	Manage and support Surety Bonds.	Multiple Factor– Utility and Non-Utility
Risk Transfer and Risk Mitigation Services	Manage and support risk transfer and risk mitigation services.	Multiple Factor – Utility and Non-Utility
Ancillary Coverages	Manage and support ancillary coverages.	None (All direct charged)

INTERNAL AUDIT

Product or Service	Product / Service Description	Indirect Allocation Methods
Audit Services	Perform the following internal audit services based on risk levels and / or requests: financial, performance analysis, safeguarding of assets, computer- related and fraud investigations.	Multiple Factor – All or Multiple Factor – Utility*

INVESTMENT MANAGEMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Qualified and Non-qualified Pension and Savings Plan	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	Number of Participating Employees – Utility and Non-Utility
FirstEnergy Foundation	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	Multiple Factor - All
Voluntary Employee Benefit Association (VEBA) Trust	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	Number of Participating Employees – Utility and Non-Utility
Nuclear Decommissioning	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	None (All direct charged)
Non-Utility Generator Trust	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	Multiple Factor – Non-Utility
Spent Nuclear Fuel	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	None (All direct charged)
Low-Income Housing Tax Credit Partnership	Establish and implement investment policy and asset allocation strategy and monitor investment performance.	Multiple Factor - All

INVESTOR RELATIONS

Product or Service	Product / Service Description	Indiregct Allocation Methods
Investor Information	Compile and communicate information to investors.	Multiple Factor – Utility* or Direct Charge to Holding Co.
Investor Education	Target and educate potential investors to promote FirstEnergy's valuation characteristics and business strategy.	None (All Direct Charge to Holding Co.)

* For services rendered only to the utilities.

Regulations Compliance	Ensure compliance with SEC Fair Disclosure regulations.	Multiple Factor - All
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FirstEnergy Management Education	Provide education to management of business concerns and valuation issues of analyst/investors	Multiple Factor – All
FirstEnergy Employee Education	Actively promote understanding of financial and investor relations’ issues.	Multiple Factor – All

RATES AND REGULATORY AFFAIRS

Product or Service	Product / Service Description	Indirect Allocation Methods
Regulatory Activities and Consulting	Manage regulatory activities and interfaces, including tariff development and interpretation. Monitor and participate in regulatory affairs at the local, state and federal levels.	Multiple Factor – Utility
Customer Pricing and Contracting	Develop pricing programs for regulated electric service for retail and wholesale customers, including “unbundled” costs and prices for generation, transmission and distribution service and support justification to regulators. Provide support in developing pricing for special-purpose customer programs and non-regulated energy services (e.g. prepayment, economic development, interruptible load, conjunctive-billing electric service programs).	Multiple Factor – Utility
Billing Support	Provide assistance calculating customer (external and internal) invoices and operate and maintain systems to render, collect and account for these invoices.	Multiple Factor – Utility
Sales and Load Forecasting	Develop short-term and long-term sales forecast, peak load projections and customer counts	Multiple Factor – Utility and Non-Utility

TREASURY

Product or Service	Product / Service Description	Indirect Allocation Methods
Capital Structure Management and Administration	Perform all activities related to acquiring capital and establish and administer funding, legal documentation, and record-keeping activities associated with finance programs	Multiple Factor – All
Corporate Funds Management	Plan, manage, and operate the corporate “cash-flow-cycle.”	Multiple Factor – All
Corporate Forecasting	Provide regulatory support, strategy support, financial modeling and forecasting, financial and economic analysis and development of annual corporate KPI target.	Multiple Factor – All

Capital Project Evaluation and Support	Provide analytical support in the areas of financing, profitability, capital structure and cash flow.	Multiple Factor – Utility and Non-Utility
Investor Relations Activities	Provide institutional and retail security holder, buy and sell-side analysts, rating agencies, and other key members of the financial community with qualitative and quantitative information.	Multiple Factor – All

BUSINESS DEVELOPMENT

Product or Service	Product / Service Description	Indirect Allocation Methods
Mergers and Acquisitions Support	Support, evaluate and assist in the management of merger, asset acquisition and asset disposition activities.	None (All direct charged)
Internal Consulting	Perform strategic analysis/business fit, and economic analysis. Provide integration and transitional management services as needed.	None (All direct charged)

GOVERNMENTAL AFFAIRS

Product or Service	Product / Service Description	Indirect Allocation Methods
Federal Governmental Affairs Support	Activities associated with developing and maintaining relationships with federal government institutions; includes lobbying, and other support activities.	None (All direct charged)
State Governmental Affairs Support	Activities associated with developing and maintaining relationships with state government institutions; includes lobbying, and other support activities.	None (All direct charged)

LEGAL

Product or Service	Product / Service Description	Indirect Allocation Methods
Provide Governmental Affairs Support	Activities associated with developing and maintaining relationships with government institutions; includes lobbying, litigation, and other support activities.	None (All direct charged)
Nuclear Legal Consultation and Case Management	Provide legal advice for federal and state nuclear matters.	None (All direct charged)
Human Resources Legal Consultation & Case Management	Provide legal advice for human resource matters (including workers compensation, union negotiations, arbitrations, class action lawsuits, etc.).	Multiple Factor – Utility and Non-Utility

Product or Service	Product / Service Description	Indirect Allocation Methods
Employee Benefits Legal Consultation & Case Management	Provide legal advice for employee benefits matters (including health and welfare benefits, tax-qualified and non-tax qualified benefit plans and programs, pension administration, etc.).	Number of Participating Employees – Utility and Non-Utility
Tax Legal Consultation & Case Management	Provide legal advice for tax matters including federal, state & local tax matters (land tax, sales & use tax, IRS, etc.).	Multiple Factor – All
Bankruptcy Legal Consultation & Case Management	Provide legal advice for bankruptcy matters.	Multiple Factor – Utility and Non-Utility
International Legal Consultation & Case Management	Provide legal advice for international matters– contract negotiations, sale/lease agreements.	None (All direct charged)
Non-Utility Legal Consultation & Case Management	Provide legal advice on federal and state matters to Non-Utility Subsidiaries.	Multiple Factor – Non-Utilities
Regulatory Legal Consultation & Case Management	Provide legal advice for federal and state regulatory matters.	Multiple Factor – Utility
Environmental Legal Consultation & Case Management	Provide legal advice for environmental matters (other than PCB – related matters) - federal (EPA) and state (EPA), regulatory/legislative compliance issues.	None (All direct charged)
PCB Environmental Legal Consultation & Case Management	Provide legal advice for PCB-related matters - federal (EPA) and state (EPA), regulatory/legislative compliance issues.	Multiple Factor – Utility
Real Estate Legal Consultation & Case Management	Provide legal advice for real estate matters.	Multiple Factor – Utility and Non-Utility
Corporate Legal Consultation & Case Management	Provide legal advice for general corporate and transactional matters (including SEC filings, Board of Directors matters, PUHCA, Financings, Securities Matters, Intellectual Property, Technology, General Counsel matters, etc.).	Multiple Factor – All
Claims Legal Consultation & Case Management	Provide legal advice for Claims matters.	Multiple Factor - All

CLAIMS

Product or Service	Product / Service Description	Indirect Allocation Methods
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Process Receivable Claims	Provide management, supervision, and performance of tasks associated with the resolution and chargeback of receivable claims.	Multiple Factor - All
Provide Corporate Support	Claims support in evaluating claims, and procuring appropriate external/internal legal resources.	Multiple Factor - All

Attachment D
Pages from MAIT's FERC Form 1

TRANSACTIONS WITH ASSOCIATED (AFFILIATED) COMPANIES

1. Report below the information called for concerning all non-power goods or services received from or provided to associated (affiliated) companies.
2. The reporting threshold for reporting purposes is \$250,000. The threshold applies to the annual amount billed to the respondent or billed to an associated/affiliated company for non-power goods and services. The good or service must be specific in nature. Respondents should not attempt to include or aggregate amounts in a nonspecific category such as "general".
3. Where amounts billed to or received from the associated (affiliated) company are based on an allocation process, explain in a footnote.

Line No.	Description of the Non-Power Good or Service (a)	Name of Associated/Affiliated Company (b)	Account Charged or Credited (c)	Amount Charged or Credited (d)
1	Non-power Goods or Services Provided by Affiliated			
2	Provide Chairman of the Board Support	FirstEnergy Service Company	923	26
3	Provide Chief Executive Officer Support	FirstEnergy Service Company	923	60,389
4	Provide President of FirstEnergy Utilities Support	FirstEnergy Service Company	Various	145,004
5	Provide Transmission & Distribution Support	FirstEnergy Service Company	Various	27,962,771
6	Provide Utility Operations Support	FirstEnergy Service Company	Various	84,170
7	Provide Compliance & Regulated Services Support	FirstEnergy Service Company	Various	774,511
8	Provide Customer Service Support	FirstEnergy Service Company	107	343
9	Provide Energy Efficiency Support	FirstEnergy Service Company	107	502
10	Provide Environmental Support	FirstEnergy Service Company	Various	258,883
11	Provide Chief Financial Officer Support	FirstEnergy Service Company	923	45,156
12	Provide Corporate Services &			
13	Chief Information Officer Support	FirstEnergy Service Company	Various	3,970,054
14	Provide Supply Chain Support	FirstEnergy Service Company	Various	585,402
15	Provide Accounting Support	FirstEnergy Service Company	Various	1,564,984
16	Provide Treasury Support	FirstEnergy Service Company	923	60,293
17	Provide Business Development Support	FirstEnergy Service Company	923	62,177
18	Provide Integrated System Planning Support	FirstEnergy Service Company	Various	46,978
19				
20	Non-power Goods or Services Provided for Affiliate			
21	Interest Income - Regulated Money Pool	FirstEnergy Corp.	419	-1,323,751
22	Transmission Charge - TMI Unit 1	Jersey Central Power & Light Company	454	-1,998,563
23	Transmission Investment Power Pool Agreement	Jersey Central Power & Light Company	454	-1,762,524
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1	Non-power Goods or Services Provided by Affiliated			
2	Provide Corporate Risk Support	FirstEnergy Service Company	923	146,725

TRANSACTIONS WITH ASSOCIATED (AFFILIATED) COMPANIES

1. Report below the information called for concerning all non-power goods or services received from or provided to associated (affiliated) companies.
2. The reporting threshold for reporting purposes is \$250,000. The threshold applies to the annual amount billed to the respondent or billed to an associated/affiliated company for non-power goods and services. The good or service must be specific in nature. Respondents should not attempt to include or aggregate amounts in a nonspecific category such as "general".
3. Where amounts billed to or received from the associated (affiliated) company are based on an allocation process, explain in a footnote.

Line No.	Description of the Non-Power Good or Service (a)	Name of Associated/Affiliated Company (b)	Account Charged or Credited (c)	Amount Charged or Credited (d)
3	Provide Internal Audit Support	FirstEnergy Service Company	923	114,425
4	Provide Legal Support	FirstEnergy Service Company	923	503,866
5	Provide Rates & Regulatory Affairs Support	FirstEnergy Service Company	Various	91,797
6	Provide Corp/Real Estate Record Management Support	FirstEnergy Service Company	Various	948,709
7	Provide Corporate Affairs Support	FirstEnergy Service Company	923	264,202
8	Provide External Affairs & Communication Support	FirstEnergy Service Company	Various	410,138
9	Provide Federal Affairs & Energy Policy Support	FirstEnergy Service Company	923	60,138
10	Provide Local Affairs &			
11	Economic Development Support	FirstEnergy Service Company	923	1,509
12	Provide Human Resources Support	FirstEnergy Service Company	Various	32,292
13	Provide Marketing & Branding Support	FirstEnergy Service Company	923	19,734
14				
15	Provide Failure & Safety Training Support	FirstEnergy Service Company	Various	74,394
16	Inventory Carrying Charges on			
17	Service Company Assets	FirstEnergy Service Company	923	132,588
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20	Non-power Goods or Services Provided for Affiliate			
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1	Non-power Goods or Services Provided by Affiliated			
2	Interest Expense - Regulated Money Pool	FirstEnergy Corp.	430	1,644,873
3	Rent - Wadsworth Facility	American Transmission Systems, Inc.	567	543,342
4	Rent - Akron Control Facility	American Transmission Systems, Inc.	567	1,453,977

TRANSACTIONS WITH ASSOCIATED (AFFILIATED) COMPANIES

1. Report below the information called for concerning all non-power goods or services received from or provided to associated (affiliated) companies.
2. The reporting threshold for reporting purposes is \$250,000. The threshold applies to the annual amount billed to the respondent or billed to an associated/affiliated company for non-power goods and services. The good or service must be specific in nature. Respondents should not attempt to include or aggregate amounts in a nonspecific category such as "general".
3. Where amounts billed to or received from the associated (affiliated) company are based on an allocation process, explain in a footnote.

Line No.	Description of the Non-Power Good or Service (a)	Name of Associated/Affiliated Company (b)	Account Charged or Credited (c)	Amount Charged or Credited (d)
5	Rent - MetEd Facilities Use	Metropolitan Edison Company	566	2,230,169
6	Rent - Penelec Facilities Use	Pennsylvania Electric Company	566	1,994,969
7	Ground Lease	Metropolitan Edison Company	567	2,554,480
8	Ground Lease	Pennsylvania Electric Company	567	1,435,067
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11	Allocation Factors			
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20	Non-power Goods or Services Provided for Affiliate			
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Name of Respondent Mid-Atlantic Interstate Transmission, LLC	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2018/Q4
FOOTNOTE DATA			

Schedule Page: 429 Line No.: 2 Column: c

	Account		Amount
Provide Chairman of the Board Support	923	\$	26
Cost Allocation Factors Used - MA			

Schedule Page: 429 Line No.: 3 Column: c

	Account		Amount
Provide Chief Executive Officer Support	923	\$	60,389
Cost Allocation Factors Used - Direct, MA			

Schedule Page: 429 Line No.: 4 Column: c

	Account		Amount
Provide President of FirstEnergy Utilities Support	923	\$	143,558
Cost Allocation Factors Used - MU	107		1,446
		\$	145,004

Schedule Page: 429 Line No.: 5 Column: c

	Account		Amount
Provide Transmission & Distribution Support	560	\$	123,150
Cost Allocation Factors Used - Direct, MT, MU, ST, TX	561		8,515
	561.1		462,039
	561.2		636,078
	561.5		229,431
	566		342,695
	568		3,980,483
	590		731,522
	905		6,816
	923		221,472
	107		20,483,051
	108		737,519
		\$	27,962,771

Schedule Page: 429 Line No.: 6 Column: c

	Account		Amount
Provide Utility Operations Support	566	\$	35,499
Cost Allocation Factors Used - Direct, MU	923		48,671
		\$	84,170

Schedule Page: 429 Line No.: 7 Column: c

	Account		Amount
Provide Compliance & Regulated Services Support	566	\$	421,812
Cost Allocation Factors Used - Direct, MT, MU, TX	568		273,863
	923		15,456
	107		62,811
	108		569
		\$	774,511

Schedule Page: 429 Line No.: 8 Column: c

	Account		Amount
Provide Customer Service Support	107	\$	343
Cost Allocation Factors Used - Direct, CR, MU			

Schedule Page: 429 Line No.: 9 Column: c

	Account		Amount
Provide Energy Efficiency Support	107	\$	502
Cost Allocation Factors Used - CR, MU			

Name of Respondent Mid-Atlantic Interstate Transmission, LLC	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2018/Q4
FOOTNOTE DATA			

Schedule Page: 429 Line No.: 10 Column: c

	Account		Amount
Provide Environmental Support	568	\$	500
Cost Allocation Factors Used - Direct, ENV, MT, MU	923		86,654
	107		152,785
	108		18,944
		\$	<u>258,883</u>

Schedule Page: 429 Line No.: 11 Column: c

	Account		Amount
Provide Chief Financial Officer Support	923	\$	45,156
Cost Allocation Factors Used - MA			

Schedule Page: 429 Line No.: 13 Column: c

	Account		Amount
Provide Corporate Services & Chief Information Officer Support	560	\$	286,823
Cost Allocation Factors Used - Direct, CR, DW, GUS,	566		11,424
MA, MT, MU, NIS, NS	569.10		5,932
PV, SSC, TX, WS	569.20		33,661
	569.30		5,070
	923		1,759,984
	107		1,825,308
	108		41,852
		\$	<u>3,970,054</u>

Schedule Page: 429 Line No.: 14 Column: c

	Account		Amount
Provide Supply Chain Support	923	\$	95,748
Cost Allocation Factors Used - Direct, MT, MU	107		477,973
	108		11,681
		\$	<u>585,402</u>

Schedule Page: 429 Line No.: 15 Column: c

	Account		Amount
Provide Accounting Support	560	\$	20,607
Cost Allocation Factors Used - Direct, HC, MA, MT, MU	561		403
	561.1		23,196
	561.2		30,543
	561.5		8,015
	566		38,843
	568		195,058
	573		2,729
	590		36,433
	905		308
	923		1,184,000
	107		24,494
	108		355
		\$	<u>1,564,984</u>

Schedule Page: 429 Line No.: 16 Column: c

	Account		Amount
Provide Treasury Support	923	\$	60,293
Cost Allocation Factors Used - MA, MU			

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	Account		Amount
Provide Business Development Support	923	\$	62,177
Cost Allocation Factors Used -MA, MU			

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Schedule Page: 429 Line No.: 18 Column: c

	Account	Amount
Provide Integrated System Planning Support	923	\$ 46,357
Cost Allocation Factors Used -MA	107	621
		\$ 46,978

Schedule Page: 429.1 Line No.: 2 Column: c

	Account	Amount
Provide Corporate Risk Support	923	\$ 146,725
Cost Allocation Factors Used - MA, MT, MU		

Schedule Page: 429.1 Line No.: 3 Column: c

	Account	Amount
Provide Internal Audit Support	923	\$ 114,425
Cost Allocation Factors Used - Direct, MA, MU, TX		

Schedule Page: 429.1 Line No.: 4 Column: c

	Account	Amount
Provide Legal Support	923	\$ 503,866
Cost Allocation Factors Used - Direct, MA, MT, MU, TMI, TX		

Schedule Page: 429.1 Line No.: 5 Column: c

	Account	Amount
Provide Rates & Regulatory Affairs Support	923	\$ 91,376
Cost Allocation Factors Used - Direct, CR, MU	107	421
		\$ 91,797

Schedule Page: 429.1 Line No.: 6 Column: c

	Account	Amount
Provide Corp/Real Estate Record Management Support	566	\$ 14,565
Cost Allocation Factors Used - Direct, MA, MT, MU, SF	573	53,739
	923	479,353
	107	380,991
	108	20,061
		\$ 948,709

Schedule Page: 429.1 Line No.: 7 Column: c

	Account	Amount
Provide Corporate Affairs Support	923	\$ 264,202
Cost Allocation Factors Used - MA, MT, MU		

Schedule Page: 429.1 Line No.: 8 Column: c

	Account	Amount
Provide External Affairs & Communication Support	426.5	\$ 61,365
Cost Allocation Factors Used - Direct, MA, MU	923	344,785
	107	3,875
	108	113
		\$ 410,138

Schedule Page: 429.1 Line No.: 9 Column: c

	Account	Amount
Provide Federal Affairs & Energy Policy Support	923	\$ 60,138
Cost Allocation Factors Used - MA		

Schedule Page: 429.1 Line No.: 11 Column: c

	Account	Amount
Provide Local Affairs & Economic Development Support	923	\$ 1,509
Cost Allocation Factors Used - Direct, MT, MU, SH		

Name of Respondent Mid-Atlantic Interstate Transmission, LLC	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2018/Q4
FOOTNOTE DATA			

Schedule Page: 429.1 Line No.: 12 Column: c

	Account		Amount
Provide Human Resources Support	426.2	\$	82
Cost Allocation Factors Used - Direct, HC, MA, MU	431		714
	560		591
	561		12
	561.1		666
	561.2		859
	561.5		230
	566		1,078
	568		5,474
	573		68
	590		1,002
	905		8
	923		19,059
	926		2,449
		\$	32,292

Schedule Page: 429.1 Line No.: 13 Column: c

	Account		Amount
Provide Marketing & Branding Support	923	\$	19,734
Cost Allocation Factors Used - Direct, CR, MA, MT, MU			

Schedule Page: 429.1 Line No.: 15 Column: c

	Account		Amount
Provide Failure & Safety Training Support	107	\$	69,929
Cost Allocation Factors Used - Direct, MN, MT, MU	108		4,465
		\$	74,394

Schedule Page: 429.1 Line No.: 17 Column: c

	Account		Amount
Inventory Carrying Charges on Service Company Assets	923	\$	132,588
Cost Allocation Factors Used - Direct			

Name of Respondent Mid-Atlantic Interstate Transmission, LLC	This Report is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report 2018/Q4
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Factor Abbreviations

MA	Multiple Factor – All
MN	Multiple Factor Non-Utility
MT	Multiple Factor Utility & Non-Utility
MU	Multiple Factor Utility
TX	Multiple Factor Utility - Transmission
CR	Customer Ratio
DW	Development Work
ENV	Environmental Factor
GS	Gigabytes SAP
GUS	Gigabytes Unix
HC	Head Count
IS	Inserting Service
NIS	Number of Intel Servers
NS	Network Services
PE	Participating Employees
PV	Print Volume
SF	Square Footage
SH	Shopping Customers
SSC	Server Support Composite
ST	Stores Factor
TMI	Three Mile Island Ownership
WS	Workstation Support

'Direct' indicates that 100% of the costs assess to one legal entity

MA – Each Subsidiary benefiting from receiving the product or service will be charged a proportion of the Indirect Costs. The FirstEnergy Holding Co bears 5% of the product or service costs being allocated. The remaining 95% of the costs will be allocated between the Utility and Non-Utility Subsidiaries based on FirstEnergy's equity investment in the respective groups. A subsequent step then allocates among the Utility Subsidiaries based upon the "Multiple Factor - Utility" (MU) method and among the Non-Utility Subsidiaries based upon the "Multiple Factor - Non-Utility" (MN) method, both explained below.

MN – Each Non-Utility Subsidiary benefiting from receiving the product or service will be charged a proportion of the Indirect Costs based upon the total assets of each Non-Utility Subsidiary, including the generating assets under operating leases to the Utility Subsidiaries.

MT – The product or service costs being charged are allocated 100% between Utility and Non-Utility Subsidiaries in the same manner as MA above. Unlike MA, FirstEnergy Holding Co does not bear any of the allocation.

MU – Each Utility Subsidiary benefiting from receiving the product or service will be charged a proportion of the Indirect Costs based upon the sum of the weighted averages of (1) Gross transmission and/or distribution plant; (2) Operating and maintenance expense excluding purchase power and fuel costs; and (3) Transmission and/or distribution revenues, excluding transactions with affiliates. Each of the 3 components is weighted equally.

TX – Each Utility Subsidiary benefiting from receiving the product or service will be charged a proportion of the Indirect Costs based upon the sum of the weighted averages of (1) Gross transmission plant; (2) Transmission operating and maintenance expense excluding transmission by others (FERC 565) and (3) Transmission revenues, excluding transactions with affiliates. Each of the 3 components is weighted equally.