

# JONES DAY

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May 19, 2023

***Filed via eTariff***

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

Re: *Monongahela Power Company*  
*The Potomac Edison Company*  
*West Penn Power Company*  
*PJM Interconnection, L.L.C.*  
Docket No. ER21-253-000 and -003, Settlement Compliance Filing

Dear Secretary Bose:

In compliance with the Commission's May 4, 2023 order accepting an uncontested Offer of Settlement and Settlement Agreement ("Settlement Agreement") in the captioned proceeding ("May 4 Order"),<sup>1</sup> Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company (collectively, the "South FirstEnergy Operating Companies" or the "SFCs") hereby submit PJM Open Access Transmission Tariff ("Tariff") records in eTariff format with a revised effective date of January 1, 2023, as directed by the Commission.<sup>2</sup>

On January 18, 2023, PJM Interconnection, L.L.C. ("PJM"), on behalf of the SFCs, filed the Settlement Agreement resolving all contested issues in this proceeding concerning the SFCs' proposal to replace its stated transmission rate with a formula rate. Concurrently with the filing of the Settlement Agreement, PJM, on behalf of the SFCs, filed a Motion to Implement Interim Settlement Rates and Revenue Requirements ("Motion for Interim Rates") to provide customers certain benefits of the Settlement Agreement pending the Commission's review. On January 25, 2023, the Acting Chief Administrative Law Judge granted the Motion for Interim Rates, effective January 1, 2023.<sup>3</sup> Subsequently, in the May 4 Order, the Commission accepted the Settlement Agreement, effective January 1, 2021. The Commission also directed the SFCs to

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<sup>1</sup> *Monongahela Power Co.*, 183 FERC ¶ 61,087 (2023).

<sup>2</sup> Pursuant to Order No. 714, this filing is being submitted by PJM on behalf of the SFCs as part of an XML filing package that conforms with the Commission's regulations. PJM has agreed to make all filings on behalf of the PJM Transmission Owners in order to retain administrative control over the PJM Tariff. Thus, the SFCs have requested that PJM submit this filing in the eTariff system as part of PJM's electronic Intra PJM Tariff.

<sup>3</sup> *Monongahela Power Co.*, 182 FERC ¶ 63,006 (2023).

Hon. Kimberly D. Bose  
May 19, 2023  
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make a compliance filing in eTariff format, within 30 days, to establish an effective date of January 1, 2023, for the Tariff records implementing the Settlement Agreement.<sup>4</sup> Accordingly, the SFCs hereby submit Tariff records reflecting the terms of the Settlement Agreement, with an effective date of January 1, 2023. The Tariff records submitted in this compliance filing do not change the Tariff records submitted with the Settlement Agreement as filed on January 18, 2023, other than to revise the effective date and to use a priority code “greater than 600 to ensure that the South FirstEnergy Operating Companies Settlement Tariff records take priority over the Tariff records filed to apply on an interim basis,” as ordered by the Commission.<sup>5</sup>

PJM, on behalf of the SFCs, submits the following materials with this transmittal letter:

1. Attachment A: Clean PJM Tariff sheets containing the Tariff provisions approved by the May 4 Order.
2. Attachment B: Redlined PJM Tariff sheets showing the changes approved by the May 4 Order.

PJM has served a copy of this filing on all PJM Members and on all state utility regulatory commissions in the PJM region by posting this filing electronically. In accordance with the Commission’s regulations,<sup>6</sup> PJM will post a copy of this filing to the FERC filings section of its internet site, located at the following link: <https://www.pjm.com/library/filing-order> with a specific link to the newly-filed document, and will send an e-mail on the same date as this filing to all PJM Members and all state utility regulatory commissions in the PJM Region<sup>7</sup> alerting them that this filing has been made by PJM and is available by following such link. If the document is not immediately available by using the referenced link, the document will be available through the referenced link within 24 hours of the filing. Also, a copy of this filing will be available on the Commission’s eLibrary website located at the following link: <http://www.ferc.gov/docs-filing/elibrary.asp> in accordance with the Commission’s regulations and Order No. 714.

The SFCs respectfully request that the Commission accept this compliance filing. To the extent necessary, the SFCs request waiver of any applicable Commission regulations not fully

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<sup>4</sup> *Monongahela Power Co.*, 183 FERC ¶ 61,087, at P 5.

<sup>5</sup> *Id.* at P 5, n.8.

<sup>6</sup> See 18 C.F.R. §§ 35.2(e) and 385.2010(f)(3).

<sup>7</sup> PJM already maintains, updates and regularly uses e-mail lists for all PJM members and affected state commissions.

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May 19, 2023  
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satisfied by this filing. Thank you for your attention to this matter. Please direct any questions to the undersigned.

Respectfully submitted,

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*Counsel for South FirstEnergy Operating Companies*

Attachments

## **CERTIFICATE OF SERVICE**

I hereby certify that the foregoing document has been served upon each person designated on the official service list compiled by the Secretary of the Federal Energy Regulatory Commission in this proceeding.

Dated at Washington, D.C., this 19th day of May, 2023.

/s/ Patricia Wingfield

Patricia Wingfield

Jones Day

51 Louisiana Avenue, NW

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Attachment A  
Clean Tariff Sheets

## **ATTACHMENT H-11A**

### **Other Supporting Facilities Charges and Formula Rate — Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company ("South FirstEnergy Operating Companies" or "SFC") for Network Integration Transmission Service**

#### **Service Below 115 kV in the Allegheny Power Zone (Other Supporting Facilities Charges)**

As provided in Attachment H-11, service utilizing facilities at voltages below 138 kV owned by one of the South FirstEnergy Operating Companies to transmit energy to and from a customer within the Allegheny Power Zone will be provided at the rates set forth below ("Other Supporting Facilities Charges").

Customer/Interconnection Point/Customer Facility	South FirstEnergy Operating Company	Rate
WM Renewable Energy, LLC (Arden Landfill 25kV)	West Penn Power Company	\$2,592.00/mo.
All Dams Generation, LLC (Allegheny River Lock and Dam No. 5)	West Penn Power Company	\$4,320.00/mo.
Harrison Rural Electrification Association, Inc. (Barnetts Run, Chiefton, Dola, Oral Lake, Crystal Lake, Buckhannon, Milford Rd.)	Monongahela Power Company	\$13,047.00/mo.
Thurmont Municipal Light Company (Main Street, Moser Road (Primary) and Moser Road (Back-Up))	The Potomac Edison Company	\$11,529.18/mo.

<b><u>Service At or Above 115 kV in the Allegheny Power Zone by SFC</u></b>		
<del>See attached formula rate.</del>		

					Attachment H-11A Summary Page 1 of 1 For the 12 months ended 12/31/2021	
Formula Rate - Non-Levelized						
Line No.	(1)	SFC Summary (2)	(3)	(4)	(5)	
					<u>Total</u>	
1	Net Revenue Requirement with incentive projects - MP	Attachment H-11A, Page 1, Line10, Col. 5				
2	Net Revenue Requirement with incentive projects - PE	Attachment H-11A, Page 1, Line10, Col. 5				
3	Net Revenue Requirement with incentive projects - WPP	Attachment H-11A, Page 1, Line10, Col. 5				
4	TOTAL NET REVENUE REQUIREMENT				\$0.00	
	DIVISOR				<u>Total</u>	
5	1 Coincident Peak (CP) (MW)			(Note A)		
6	Average 12 CPs (MW)			(Note B)		
7	Annual Rate (\$/MW/Yr)	(line 4 / line 5)	Total #DIV/0!			
			Peak Rate Total		Off-Peak Rate Total	
8	Point-to-Point Rate (\$/MW/Year)	(line 4 / line 6)	#DIV/0!		#DIV/0!	
9	Point-to-Point Rate (\$/MW/Month)	(line 8/12)	#DIV/0!		#DIV/0!	
10	Point-to-Point Rate (\$/MW/Week)	(line 8/52)	#DIV/0!		#DIV/0!	
11	Point-to-Point Rate (\$/MW/Day)	(line 10/5; line 10/7)	#DIV/0!		#DIV/0!	
12	Point-to-Point Rate (\$/MWh)	(line 8/4,160; line 8/8,760)	#DIV/0!		#DIV/0!	

Notes

- 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 CP for the AP Zone.
- B Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve-month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.



Schedule 1A Rate Calculation Summary

			Total
1	Transmission expenses included in OATT Ancillary Services (Attachment H-11A, Page 4, Line 7)		
2	Revenue Credits for Sched 1A - Note A	Attachment 1, Line 2	
3	Net Schedule 1A Expenses (Line 1 - Line 2)	Attachment 1, Line 3	\$ -
4	Annual MWh in AP Zone - Note B	Attachment 1, Line 4	
5	Schedule 1A rate \$/MWh (Line 3/ Line 4)	Attachment 1, Line 5	#DIV/0!

Note:  
A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of AP Zone during the year used to calculate rates under Attachment H-11A  
B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

Transmission Enhancement Charge (TEC) Summary		
Line No.	(1) Project Name	(2) RTEP Project Number
		(3) Net Revenue Requirement with True-up (Note A)

Note A Net Revenue Requirement with True-up is sourced from Attachment 11, Col. 15. PJM to bill each project utilizing the respective Net revenue requirement with true-up on Col. 3

Line No.	Abandoned Plant Summary		
	(1) Project Name (A)	(2) RTEP Project Number	(3) Revenue Requirement (A)
1.00			
1.01			
1.02			
1.03			
1.04			
1.05			
1.06			
1.07			
1.08			
1.09			
1.10			

**Note A** (A) Revenue Requirement is sourced from Attachment 16 Col. R. PJM to bill each project utilizing the respective Revenue Requirement reflected on Col. 3

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

MON POWER

Line No.	(1)	(2)	(3)	(4)	(5)
					Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line 38, col 5]				
	REVENUE CREDITS	(Note S)	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
5	Section 30.9 credits	(page 4, Line 41)	-	TP 1.00000	-
6	Other Revenue credits	(page 4, Line 42)	-	DA 0.00000	-
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	
8	TOTAL REVENUE CREDITS (sum Lines 2-7)				
9	True-up Adjustment with Interest	(Attachment 13, Line 47) enter negative			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			-

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data			
		MON POWER			
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 T&V)	- NA		
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes T&V)	- TP	0.00000	-
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes T&V)	- NA		
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes T&V)	- W/S	1.00000	-
5	Common	Attachment 3, Line 14, Col. 7 (Notes T&V)	- CE	1.00000	-
6	TOTAL GROSS PLANT (sum Lines 1-5)		- GP=	0.000%	-
	ACCUMULATED DEPRECIATION				
7	Production	Attachment 4, Line 14, Col. 1 (Notes T&V)	- NA		
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes T&V)	- TP	0.00000	-
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes T&V)	- NA		
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes T&V)	- W/S	1.00000	-
11	Common	Attachment 4, Line 14, Col. 7 (Notes T&V)	- CE	1.00000	-
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)		-		-
	NET PLANT IN SERVICE				
13	Production	(Line 1- Line 7)	-		
14	Transmission	(Line 2- Line 8)	-		-
15	Distribution	(Line 3 - Line 9)	-		
16	General & Intangible	(Line 4 - Line 10)	-		-
17	Common	(Line 5 - Line 11)	-		-
18	TOTAL NET PLANT (sum Lines 13-17)		-		-
	ADJUSTMENTS TO RATE BASE				
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	- NA		
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	- DA	1.00000	-
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	- DA	1.00000	-
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	- DA	1.00000	-
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	- DA	1.00000	-
24	Unfunded Reserves	Attachment 14, Line 18, Col. P (Notes C & V)	- DA	1.00000	-
25	[This line left intentionally blank				
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes V&W)	- DA	1.00000	-
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note V)	- DA	1.00000	-
28	TOTAL ADJUSTMENTS (sum Lines 19-27)		-		-
29	LAND HELD FOR FUTURE USE	Attachment 14, Line 4, Col.P (Note G)	- TP	0.00000	-
30	WORKING CAPITAL (Note H)				
31	CWC		- DA	1.00000	-
32	Materials & Supplies (Note G)	Attachment 14, Line 3, Col.P (Note V)	- TE	0.00000	-
33	Prepayments (Account 165)	Attachment 14, Line 2, Col.P (Notes B & V)	- DA	1.00000	-
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)				
35	RATE BASE (sum Lines 18, 28, 29, & 34)				

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Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

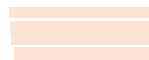
MON POWER

SUPPORTING CALCULATIONS AND NOTES

Line No.	(1)	(2)	(3)	(4)	(5)	(6)			
1	TRANSMISSION PLANT INCLUDED IN ISO RATES								
2	Total transmission plant (page 2, Line 2, column 3)								-
3	Less transmission plant excluded from ISO rates (Note L)								
4	Less transmission plant included in OATT Ancillary Services (Note M)								
5	Transmission plant included in ISO rates (Line 1 less Lines 2 & 3)								-
6	Percentage of transmission plant included in ISO Rates (Line 4 divided by Line 1)					TP=			0.00000
7	TRANSMISSION EXPENSES								
8	Total transmission expenses (Attachment 20, Line 26, Col C)								-
9	Less transmission expenses included in OATT Ancillary Services (Attachment 20, Line 2 plus Line 3 and Line 4, Col. C) (Note K)								
10	Included transmission expenses (Line 6 less Line 7)								-
11	Percentage of transmission expenses after adjustment (Line 8 divided by Line 6)								0.00000
12	Percentage of transmission plant included in ISO Rates (Line 5)					TP			0.00000
13	Percentage of transmission expenses included in ISO Rates (Line 9 times Line 10)					TE=			0.00000
14	WAGES & SALARY ALLOCATOR (W&S)								
15	Form 1 Reference		\$	TP	Proration (Note Z)	Allocation			
16	Production	354.20.b		0.00		-			
17	Transmission	354.21.b		0.00		-		(Note Z)	
18	Distribution	354.23.b		0.00		-		W&S Allocator	
19	Other	354.24, 354.25, 354.26.b		0.00		-		(\$ / Allocation)	
20	Total (sum Lines 12-15)					-	=	1.00000	= WS
21	COMMON PLANT ALLOCATOR (CE) (Note N)		\$						
22	Electric	200.3.c				% Electric		W&S Allocator	
23	Gas	201.3.d				(Line 17 / Line 20)		(Line 16, col. 6)	
24	Water	201.3.e				1.00000	*	1.00000	=
25	Total (sum Lines 17 - 19)								CE 1.00000
26	ANNUAL ALLOCATION FACTOR CALCULATION (Note A)								
27	Annual Allocation Factor for Income taxes and Return (ROE)								
28	Annual Allocation Factor for Income Taxes	Page 3, Line 33, Col. 5 / Page 2, Line 14, Col. 5							
29	Annual Allocation Factor for Return on Rate Base	Page 3, Line 34, Col. 5 / Page 2, Line 14, Col. 5							
30	Total Annual Allocation Factor for Income Taxes and Return (ROE)	Line 22 + Line 23							
31	Annual Allocation Factor for Income taxes and Return (scaled basis points adder)								
32	Annual Allocation Factor for Income Taxes	Attach 2a Line 33 / Page 2, Line 14, Col. 5							
33	Annual Allocation Factor for Return on Rate Base	Attach 2a Line 22 / Page 2, Line 14, Col. 5							
34	Total Annual Allocation Factor for Income Taxes and Return (scaled basis points adder)	Line 26 + Line 27							
35	Additional Annual Allocation Factor for Income Taxes and Return	Line 28 - Line 24							
36	RETURN (R)							\$	
37	Preferred Dividends (118.29c) (positive number)								-
38	Long Term Debt (112.18-21.c) (Attachment 8, Line 14, Col. 9) (Note BB)		\$	%		Cost		Weighted	
39	Preferred Stock (112.34) (Attachment 8, Line 14, Col. 3) (Note BB)		-	0%		(Note O)			
40	Common Stock Attachment 8, Line 14, Col. 8) (Note BB)		-	0%		#DIV/0!		#DIV/0!	=WCLTD
41	Total (sum Lines 31-33)		-	0%		0.0000		0.0000	
42	REVENUE CREDITS (Note AA)					0.1045		0.0000	
43	ACCOUNT 447 (SALES FOR RESALE)							#DIV/0!	=R
44	a. Bundled Non-RQ Sales for Resale (311.x.h)								
45	b. Bundled Sales for Resale								
46	Total of (a)-(b)								
47	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note R)								
48	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note Q)								
49	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note U)								
50 a	Firm Point-to-Point								
50 b	Other								
51	SECTION 30.9 CREDITS								
52	OTHER REVENUE CREDITS								



42a	Labor Related Revenues	W&S	1.00000	-
42b	Plant Related Revenues	GP	0.00000	-
42c	Transmission Related Revenues	TP	0.00000	-
42d	Other	DA	1.00000	-



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

MON POWER

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	Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points adder to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.
B	Prepayments shall exclude prepayments of income taxes.
C	Transmission-related only
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. Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.
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.
F	The balances in accounts 190 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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	As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&M and A&G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital base.
I	Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are <b>excluded</b> . <b>Gross receipts</b> and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula Template since they are recovered elsewhere.
J	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, Line25).
	Inputs Required:
	FIT = 0.00%
	SIT= 0.00% (State Income Tax Rate or Composite SIT)
	p = (percent of federal income tax deductible for state purposes)
K	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.
L	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).
M	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.
N	Enter dollar amounts
O	Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.
P	Page 4, Line 37 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.
Q	Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
R	Excludes revenues unrelated to transmission services.
S	The revenues credited on page 1, Lines 2-6 do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenue on Line 7 is supported by its own reference.
T	Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.
U	On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects, unless provisions per settlement agreement section 2.23 requires inclusion.
V	Calculate using a 13-month average balance.
W	Includes only CWIP authorized by the Commission for inclusion in rate base.
X	Any actual ROE incentive must be approved by the Commission; therefore, Line will remain zero until a project(s) is granted a ROE incentive adder.
Y	Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts
Z	To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
AA	The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate template in the same manner as the underlying associated plant assets or expenses that generate the credits.
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56%
	Actual equity capitalization: 0.0% Equity Cap Not Triggered

**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Attachment H -11A, Attach  
pag  
For the 12 months ended 12/3

Return Calculation			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
3	Common Stock			
4	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
5	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
6	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
7	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
8	Capitalization			
9	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
10	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
11	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.1045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes				
23	Income Tax Rates			
24	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
24	$\text{CIT}=(T/(1-T)) * (1-\text{WCLTD}/R)) =$	Calculated	#DIV/0!	
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3		-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
33	Total Income Taxes	Sum lines 29 to 32		#DIV/0!

Return and Taxes				
34	Return and Income taxes with ROE	(Line 22 + Line 33)		#DIV/0!
35	Return with ROE	Attachment H-11A, Page 3, Line 41, Col. 5		#DIV/0!
36	Income Tax with ROE	Attachment H-11A, Page 3, Line 40, Col. 5		#DIV/0!

Incentive ROE Calculation

Attachment H -11A, Attachment 2a  
page 1 of 1  
For the 12 months ended 12/31/2021

Return Calculation			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (Note A)	0.1145
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes				
	<b>Income Tax Rates</b>			
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - \text{WCLTD} / R) =$	Calculated	#DIV/0!	
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3		-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
33	Total Income Taxes	Sum lines 29 to 32		#DIV/0!

Incremental Return and Taxes				
34	Return and Income taxes with scaled basis pts adder	(Line 22 + Line 33)		#DIV/0!
35	Return with incentive adder	Line 22		#DIV/0!

36	Income Tax with incentive adder	Line 33	#DIV/0!
37	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!
38	Rate Base	Line 1	#DIV/0!
39	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!

Notes:  
[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

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			Incentive ROE NITS Worksheet Support Net Plant Detail													Attachment H-11A, Attachment 2b page 1 of 2 For the 12 months ended 12/31/2021
	(Note A)	(Note B)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	
1a		#DIV/0!														
1b		#DIV/0!														
1c		#DIV/0!														
1d		#DIV/0!														
1e		#DIV/0!														
1f		#DIV/0!														

2  
NOTE

Subtotal

[A] Utilize only in the instance there exists Commission approved ROE incentive projects

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

[C] Company records





			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average			-	-	-	-	-	-	-	-
			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	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average			-	-	-	-	-	-	-	-

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	-
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average		-	-	-	-	-	-	-	-	-
			Production	Transmission	Distribution	Intangible	General	Common			
		[B]	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
29	December	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Taken to Attachment H-11A, 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  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission



				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
					ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)				
2	December 31	12/31/2021	[G]	Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total
				-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5C, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.

Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant &	Total
		Ending	Labor Related	Transmission
		(Note F)	Allocated to	Ending
			Transmission	(col. 2 + col. 3)
				(Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line		Summary of Transmission ADIT (Prior to adjusted items)				
		A	B	C	D	E
		End Plant	End Labor	Plant & Labor	Gross Plant	Wages & Salary
		Related	Related	Subtotal	Allocator	Allocator
		(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)
1	ADIT- 282 From Account Total Below	-	-	-	0.00%	100.00%
2	ADIT-283 From Account Total Below	-	-	-	0.00%	100.00%
3	ADIT-190 From Account Total Below	-	-	-	0.00%	100.00%
4	ADIT-281 From Account Total Below	-	-	-	0.00%	100.00%
5	ADIT-255 From Account Total Below	-	-	-	0.00%	100.00%
6	Subtotal	-	-	-	-	-

- Notes
- A From column F (beginning on page 2)
- B From column G (beginning on page 2)
- C Refers to Attachment H-11A, page 2, line 6, col. 4
- D Refers to Attachment H-11A, page 4, line 16, col.6
- E Total Transmission Ending taken to Attachment 5, line 2
- F From column E (beginning on page 2) by account

A	B	C	D	E	F	G	Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-
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Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT- 282	End of Year Balance p275.9.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Subtotal	-	-	-	-	-	-	

Attachment H-11A, Attachment 5a  
page 3 of 6  
For the 12 months ended 12/31/2021

### JUSTIFICATION

**Instructions for Account 282:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT-283	End of Year Balance p277.19.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal

- - - - -

**Instructions for Account 283:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.

2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.

3. ADIT items related only to Transmission are directly assigned to Column E.

4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.

5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

							Attachment H-11A, Attachment 5a page 6 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 255:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.

2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.

3. ADIT items related only to Transmission are directly assigned to Column E.

4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.

5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
2	PTRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
3	PTRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
4	PTRR	0	0		0		0		0	
		Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
		Beginning 283 Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
6	PTRR	0	0		0		0		0	

2021 PTRR										
J			K		L	M	N		O	P
Attachment 5-ADIT Summary, Line 2			Page 1, B+D+F+H		Page 1, row 2,4,6 Column A+B+D+F+H	J-L Prorated -	Attachment 5-ADIT Summary, Lines 3, 4, and 5 M-N			Line 7= J-N-O Lines 8-9= -J+N+O
Estimated Ending Balance (Before Adjustments)			Projected Activity		Prorated Ending Balance	Estimated End (Before Adjustments)	Sum of end ADIT Adjustments		Normalization	Ending ADIT Balance Included in Formula Rate
Line	Account									
7	PTRR	Total Account 190	-	0	0	-	-	-	-	-
8	PTRR	Total Account 282	-	0	0	-	-	-	-	-
9	PTRR	Total Account 283	-	0	0	-	-	-	-	-
10	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-

**Notes:**

1. Attachment 5b will only be populated within the PTRR


Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	



		2021 PTRR									
		A	B	C	D	E	F	G			
		Estimated Ending Balance (Before Adjustments)	Page 1, B+D+F+H Projected Activity	Page 1, row 3,7,11 Column A+B+D+F+H Prorated Ending Balance	A-C Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	D-E Normalization	Line 1= A-E-F Lines 2-3= -A+E+F Ending ADIT Balance Included in Formula Rate			
Line	Account										
1	PTRR	Total Account 190		0	0	-		-	-		
2	PTRR	Total Account 282		0	0	-		-	-		
3	PTRR	Total Account 283		0	0	-		-	-		
4	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-		
		2021 ATRR									
		H	I	J	K	L	M	N	O	P	
		Attachment 5 - ADIT Summary, Line 2	Page 1, B+D+F+H	Page 1, row 4,8,12 column A+B+D+F+H	H-J Prorated - Actual End (Before Adjustments)	D-K Prorated Activity Not Projected	Attachment 5-ADIT Summary, Lines 3, 4, and 5	E-M ADIT Adjustments not projected	K+L-M-N Normalization	Line 5= H-M-O H+M+O	Lines 6
		Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance			Sum of end ADIT Adjustments			Ending ADIT Balance Included in Formula Rate	
5	ATRR	Total Account 190	-	0	0	-	-	-	-	-	
6	ATRR	Total Account 282	-	0	0	-	-	-	-	-	
7	ATRR	Total Account 283	-	0	0	-	-	-	-	-	
8	ATRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	

Notes:

1. Attachment 5c will only be populated within the ATRR

1	<b><u>Calculation of PBOP Expenses</u></b>		
2		<b><u>Amount</u></b>	<b><u>Source</u></b>
3	Total FirstEnergy PBOP expenses	-\$15,646,300	FirstEnergy 2019 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,161,999,525	FirstEnergy 2019 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0072	
6	labor (labor not capitalized) current year, transmission only		MON POWER Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	\$0	
8	PBOP expense in Account 926 for current year, total company		MON POWER Account 926: Company Records
9	W&S Labor Allocator	100.000%	
10	Allocated Transmission PBOP (line 8 * line 9)	-	
11	PBOP Adjustment for Attachment H-11A, page 3, line 6 (line 7 - line 10)	-	
12	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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission

			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [8] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average		-	-	-	-	-	-	-	-	

Notes:

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

[B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000

[C] Renaissance issued securitized debt in 2007 and the proceeds were distributed up to Mon Power in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.

Attachment H -11A, Attachment 8  
page 1 of 1  
For the 12 months ended 12/31/2021



## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
					Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z*	Weighted Outstanding Ratios	Effective Cost Rate	Weighted Debt Cost at t = N
t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg)			((col e. * col. F)/12)	(col. g/col. g total)	(Table 2, Col.kk)	(h) * (i)

**Long Term Debt Cost** 12/31/2021

**at Year Ended:**

**First Mortgage Bonds:**

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)
	Issue	Maturity	Amount	(Discount)	Issuance	Loss/Gain on	Net	Net	Coupon	Annual	Effective Cost Rate*
<b>Long Term Debt</b>	Date	Date	Issued	Premium	Expense	Reacquired	Proceeds	Proceeds	Rate	Interest	(Yield to Maturity
<b>Issuances</b>	Affiliate			at Issuance		Debt	(col. cc + col. dd - col. ee - col. ff)	Ratio (col. gg/ col. cc) *100)			at Issuance, t = 0)
										(col. cc *col.ii)	

- (1)
- (2)
- (3)
- (4)
- (5)

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}$ ,  $C_{t=2}$ , etc.).

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-11A

Line No.	(1)	(2)	(3)	(4)
		Reference	Transmission	Allocator
1	Gross Transmission Plant - Total	Attach. H-11A, p. 2, line 2, col. 5 (Note A)		
2	Net Transmission Plant - Total	Attach. H-11A, p. 2, line 14, col. 5 (Note B)		
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-11A, p. 3, line9, col. 5		
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)		
	GENERAL, INTANGIBLE, AND COMMON (G,I, & C) DEPRECIATION EXPENSE			
5	Total G, I, & C depreciation expense	Attach. H-11A, p. 3, lines 11 &13, col. 5		
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)		
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-11A, p. 3, line 22, col. 5		
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)		
<b>9</b>	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>		
	INCOME TAXES			
10	Total Income Taxes	Attach. H-11A, p. 3, line33, col. 5		
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)		
	RETURN			
12	Return on Rate Base	Attach. H-11A, p. 3, line 34, col. 5		
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)		
<b>14</b>	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		

					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Expense Charge	Project Net Plant	Factor for Return	Return Charge	Depreciation Expense	Revenue Requirement	Incentive Projects	Factor for Return (Note F)	Requirement	True-up Adjustment	with True-up
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Note F)	Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	(Sum Col. 10 & 12)	(Note G)	(Sum Col. 13 & 14)

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line7, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line37, Col. 3

#### Notes

A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 10.

F Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder

G True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

				Attachment H-11A, Attachment 11a												
				page 1 of 2												
				For the 12 months ended 12/31/2021												
TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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



TEC Worksheet Support															
Net Plant Detail															
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)	
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)		

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)
Actual											
Line No.		Project Name	RTEP Project Number	Revenues for Attachment 11	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)
				Attachment 11 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b		Project2				-	-		-		
2c		Project 3				-	-		-		
3		Subtotal			-			-	-		
4		Total Interest (Sourced from Attachment 13a, line 46)									-

**NOTE**

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



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**TEC Revenue Requirement True-up with Interest**

Reconciliation Revenue Requirement For Year 20XX Available June 15, 20XX (b) Note [b] \$0	20XX Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 20XX Note [b] \$0	True-up Adjustment - Over (Under) Recovery \$0
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**An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX**

Line	(A) Month	(B) 20-Months Average Interest Rate (a)	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding
1	Jan-21		-	0.0833	-	-
2	Feb-21	-	-	0.1667	-	-
3	Mar-21	-	-	0.2500	-	-
4	Apr-21	-	-	0.3333	-	-
5	May-21	-	-	0.4167	-	-
6	Jun-21	-	-	0.5000	-	-
7	Jul-21	-	-	0.5833	-	-
8	Aug-21	-	-	0.6667	-	-
9	Sep-21	-	-	0.7500	-	-
10	Oct-21	-	-	0.8333	-	-
11	Nov-21	-	-	0.9167	-	-
12	Dec-21	-	-	1.0000	-	-
13			Year 1 True-Up Adjustment + Interest	1.0000		
14	Jan-22	-	-	1.0000	-	-
15	Feb-22	-	-	1.0000	-	-
16	Mar-22	-	-	1.0000	-	-
17	Apr-22	-	-	1.0000	-	-
18	May-22	-	-	1.0000	-	-
19	Jun-22	-	-	1.0000	-	-
20	Jul-22	-	-	1.0000	-	-
21	Aug-22	-	-	1.0000	-	-
22	Sep-22	-	-	1.0000	-	-
23	Oct-22	-	-	1.0000	-	-
24	Nov-22	-	-	1.0000	-	-
25	Dec-22	-	-	1.0000	-	-
26			Year 2 True-Up Adjustment + Interest	1.0000		
27			Principle Amortization	0.08333		
			Interest Amortization			(Found using Excel Solver/Goal Seek/or equivalent) Note [c]
28			Year 3 Monthly Amortization	0.0833		
29	Jan-23	-	-	0.9167	-	-
30	Feb-23	-	-	0.8333	-	-
31	Mar-23	-	-	0.7500	-	-
32	Apr-23	-	-	0.6667	-	-
33	May-23	-	-	0.5833	-	-
34	Jun-23	-	-	0.5000	-	-
35	Jul-23	-	-	0.4167	-	-
36	Aug-23	-	-	0.3333	-	-
37	Sep-23	-	-	0.2500	-	-
38	Oct-23	-	-	0.1667	-	-
39	Nov-23	-	-	0.0833	-	-
40	Dec-23	-	-	-	-	-
41			Year 3 True-Up Adjustment + Interest	-		
42			Total Amount Refunded/Surcharged	1.0000		
43			True-Up Before Interest	1.0000		
44			Interest Refunded/Surcharged	-		
45	Base Over (Under) Recovery			\$0		
46	Interest			\$0		
47	Total Over (Under) Recovery plus True-Up with Interest			\$0		

[a] Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19a and published on the FERC website. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.

[b] The ATRR is used to compare against the billed revenue in the true-up calculation. This calculation excludes prior year true-up amounts.

[c] The goal is to determine the value to input in Col. (D), Line 28 such that the value in Col. (D), line 41 becomes zero. For example, using Excel's Goal Seek function, the goal would be to set Excel cell G64 to 0 by changing only Excel cell G48.



For the 12 months ended 12/31/2021

Line	(A) Month	(B) PJM Bill NITS Charge Code (A)	(C) True-up (B)	(D) Other (C)	(E) Total
1	January	-	-	-	-
2	February	-	-	-	-
3	March	-	-	-	-
4	April	-	-	-	-
5	May	-	-	-	-
6	June	-	-	-	-
7	July	-	-	-	-
8	August	-	-	-	-
9	September	-	-	-	-
10	October	-	-	-	-
11	November	-	-	-	-
12	December	-	-	-	-
13	Total	-	-	-	-
14	January	-	-	-	-
15	February	-	-	-	-
16	March	-	-	-	-
17	April	-	-	-	-
18	May	-	-	-	-
19	June	-	-	-	-
20	July	-	-	-	-
21	August	-	-	-	-
22	September	-	-	-	-
23	October	-	-	-	-
24	November	-	-	-	-
25	December	-	-	-	-
26	Total	-	-	-	-

**Notes**

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone

(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.

(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.







**Notes**

(A) Only projects approved by the commission will be included

(B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the amortization amount will be the same as the amount entered in year 0.

(C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends

(D) Average calculated as  $[\text{Sum of Columns (B) through (N)}] \div 13$

(E) Column O \* Attachment H-11A, page 4, line 34, col. 6

(F) Column P \* Attachment H-11A, page 3, line24, col 3

(G) Column A + Column P + Column Q

(H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement

		Construction Work in Progress														
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															
2b	[Placeholder 2]															
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

- (a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.
- (b) CWIP will not be included unless authorized by the Commission

~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate

~~(entered on Attachment H-11A, page~~  
5 of 5, NoteJ)

**State Income Tax Rate**

~~Combined Rate~~

~~(entered on Attachment H-11A,~~  
page 5 of 5, NoteJ)

Nominal State Income Tax Rate

Times Apportionment Percentage

Combined State Income Tax Rate

## Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
								Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	
Line No.	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period					Dec31	Jan 31	Feb 28/29	Mar 31	Apr 30	May 31	June 30	July 31	August 31	Sept 30	Oct 31	Nov 30	Dec 31	Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total										-														

### Notes

(A) Only Regulatory Assets approved by the commission will be included

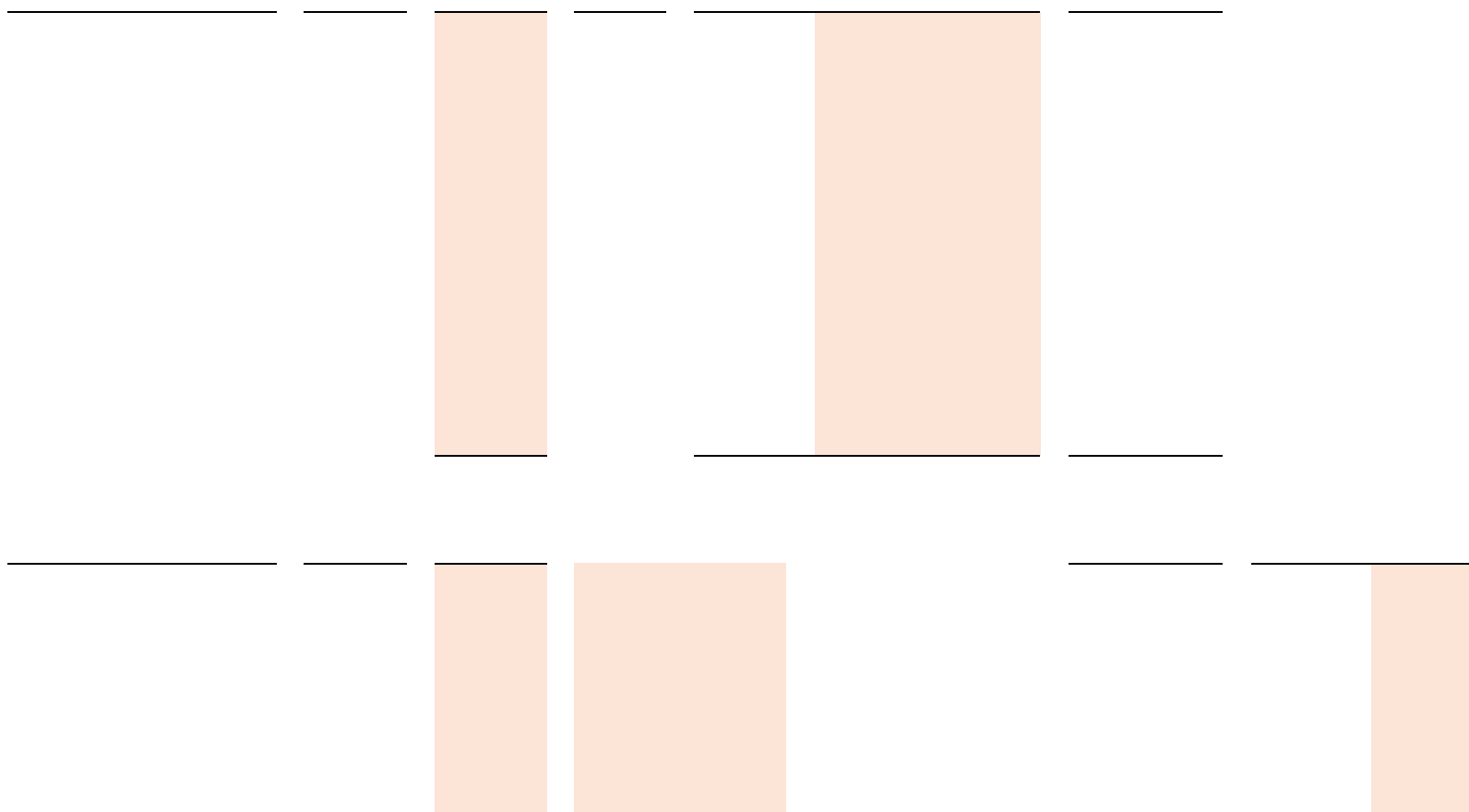
(B) Regulatory asset references to be noted based on FERC Page. Row. Col.#

(C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year

(D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends

(E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line8, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line8, Col.3 will be 0

(F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0





Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data			
		<del>POTOMAC EDISON</del>			
Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line38, col 5]				
	REVENUE CREDITS	(Note S)	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
5	Section 30.9 credits	(page 4, Line 41)	-	TP 1.00000	-
6	Other Revenue Credits	(page 4, Line 42)		DA 0.00000	
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	
8	TOTAL REVENUE CREDITS (sum Lines 2-7)				
9	True-up Adjustment with Interest	(Attachment 13, Line 47) enter negative			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line 9)			

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		POTOMAC EDISON		POTOMAC EDISON	
(1)		(2)		(3)		(4)	
Source		Company Total		Allocator		Transmission (Col 3 times Col 4)	
Line No.	RATE BASE:						
	GROSS PLANT IN SERVICE						
1	Production	Attachment 3, Line 14, Col. 1 (Notes T&V)	-	NA			
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes T&V)	-	TP	0.00000	-	
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes T&V)	-	NA			
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes T&V)	-	W/S	1.00000	-	
5	Common	Attachment 3, Line 14, Col. 7 (Notes T&V)	-	CE	1.00000	-	
6	TOTAL GROSS PLANT (sum Lines 1-5)		-	GP=	0.000%	-	
	ACCUMULATED DEPRECIATION						
7	Production	Attachment 4, Line 14, Col. 1 (Notes T& TV)	-	NA			
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes T& V)	-	TP	0.00000	-	
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes T&V)	-	NA			
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes T&V)	-	W/S	1.00000	-	
11	Common	Attachment 4, Line 14, Col. 7 (Notes T&V)	-	CE	1.00000	-	
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)		-			-	
	NET PLANT IN SERVICE						
13	Production	(Line 1- Line 7)	-				
14	Transmission	(Line 2- Line 8)	-			-	
15	Distribution	(Line 3 - Line 9)	-				
16	General & Intangible	(Line 4 - Line 10)	-			-	
17	Common	(Line 5 - Line 11)	-			-	
18	TOTAL NET PLANT (sum Lines 13-17)		-			-	
	ADJUSTMENTS TO RATE BASE						
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	-	NA			
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	-	DA	1.00000	-	
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	-	DA	1.00000	-	
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	-	DA	1.00000	-	
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	-	DA	1.00000	-	
24	Unfunded Reserves	Attachment 14, Line18, Col. 6 (Notes C &V)	-	DA	1.00000	-	
25	[This line left intentionally blank]						
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes V&W)	-	DA	1.00000	-	
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note V)	-	DA	1.00000	-	
28	TOTAL ADJUSTMENTS (sum Lines 19-27)		-			-	
29	LAND HELD FOR FUTURE USE	Attachment 14, Line4, Col.P) (Note G)	-	TP	0.00000	-	
30	WORKING CAPITAL (Note H)						
31	CWC			DA	1.00000	-	
32	Materials & Supplies (Note G)	Attachment 14, Line 3, Col. 2) (Note V)	-	TE	0.00000	-	
33	Prepayments (Account 165)	Attachment 14, Line2, Col.P) (Notes B &V)	-	DA	1.00000	-	
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)						
35	RATE BASE (sum Lines 18, 28, 29, & 34)						



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

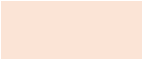
For the 12 months ended 12/31/2019

Line No.	(1)	(2)	POTOMAC EDISON (3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
1	O&M and A&G				
2	Transmission O&M Expense	Attachment 20, Line 26, Col. G	-	DA	1.00000
3	Less Sub-Transmission O&M	(Company records, Note Y)		DA	1.00000
4	A&G Expense	Attachment 20, Line 41, Col. J	-	DA	1.00000
5	Sub-Transmission A&G reduction percent	Line 2/ Attachment 20, Line 26, Col C Line 4 * Page 4, Line 16, Col. 6 * (Attachment 20, Line 41, Col C minus Attachment 20, Line 41, Col D)	#DIV/0!		
6	Less Sub-Transmission A&G		#DIV/0!	DA	1.00000
7	PBOP Expense Adjustment in Year	Attachment 6, Line 11 (Note C)	-	DA	1.00000
8	Common	FERC Form No. 1, Page 356.1		CE	1.00000
9	Amortization of Regulatory Assets	Attachment 19, Line 2, Col. K	-	DA	1.00000
	TOTAL O&M and A&G (sum Lines 1,3,6,7,8 less Lines 2,5)		#DIV/0!		#DIV/0!
	DEPRECIATION AND AMORTIZATION EXPENSE				
10	Transmission	FERC Form No. 1, 336.7.b (Note T)		TP	0.00000
11	General & Intangible	FERC Form No. 1, 336.1.f & 336.10.f (Note T)		W/S	1.00000
12	Sub-Transmission	(Company records, Note Y)		DA	1.00000
13	Common	FERC Form No. 1, 336.11.b (Note T)		CE	1.00000
14	TOTAL DEPRECIATION (sum Lines 10, 11, 13 less 12)		-		-
	TAXES OTHER THAN INCOME TAXES (Note I)				
	LABOR RELATED				
15	Payroll	Attachment 7, Line 1z	-	W/S	1.00000
16	Highway and vehicle	Attachment 7, Line 2z	-	W/S	1.00000
17	PLANT RELATED				
18	Property	Attachment 7, Line 3z	-	GP	0.00000
19	Gross Receipts and Taxes Non-Functionalized to Transmission	Attachment 7, Line 4z	-	NA	-
20	Other	Attachment 7, Line 5z	-	GP	0.00000
21	Payments in lieu of taxes	Attachment 7, Line 6z	-	GP	0.00000
22	TOTAL OTHER TAXES (sum Lines 15 - 21)		-		-
	INCOME TAXES	(Note J)			
23	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		0.00%		
24	$CIT=(T/(1-T)) * (1-(WCLTD/R)) =$ where WCLTD=(page 4, Line 31) and R= (page 4, Line 34) and FIT, SIT & p are as given in footnote K. $1 / (1 - T)$ (from Line 23)		#DIV/0!		
25			-		
26	Amortized Investment Tax Credit (266.8.f) (enter negative)				
27	Tax Effect of Permanent Differences and AFUDC Equity -	(Notes C & D)			
28	(Excess)/Deficient Deferred Income Taxes	(Attachment 15, Line 12, Col. F) (Notes C & E)	-		
29	Income Tax Calculation = Line 24 * Line 34		#DIV/0!	NA	#DIV/0!
30	ITC adjustment (Line 25 * Line 26)		-	GP	0.00000
31	Permanent Differences and AFUDC Equity Tax Adjustment (Line 25 * Line 27)		-	DA	1.00000
32	(Excess)/Deficient Deferred Income Tax Adjustment (Line 25 * Line 28)		-	DA	1.00000
33	Total Income Taxes	sum Lines 29 through 32	#DIV/0!		#DIV/0!
34	RETURN	Rate Base (page 2, Line 35) * Rate of Return (page 4, Line 34, col. 6)	#DIV/0!	NA	#DIV/0!
35	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum Lines 9, 14, 22, 33, 34)	#DIV/0!		#DIV/0!
36	Plus any increased ROE adder incentive NITS	Attachment 2b, Line 2 (Note X)	#DIV/0!		#DIV/0!
37	Plus any increased ROE adder incentive TEC	Attachment 11, Line 4, col 12 (Note X)	#DIV/0!		#DIV/0!
38	GROSS REV. REQUIREMENT	(sum Lines 35, 36, 37)	#DIV/0!		#DIV/0!

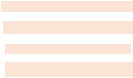


POTOMAC EDISON

40 a Firm Point-to-Point  
40 b Other  
41 SECTION 30.9 CREDITS  
42 OTHER REVENUE CREDITS  
42a Labor Related Revenues  
42b Plant Related Revenues  
42c Transmission Related Revenues  
42d Other



W&S	1.00000	-
GP	0.00000	-
TP	0.00000	-
DA	1.00000	-



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data  
POTOMAC EDISON

For the 12 months ended 12/31/2021

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	Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points adder to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.
B	Prepayments shall exclude prepayments of income taxes.
C	Transmission-related only
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. Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.
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.
F	The balances in accounts 190 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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	As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&M and A&G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital base.
I	Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula Template since they are recovered elsewhere.
J	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 32).
	Inputs Required:
	FIT = 0.00%
	SIT = 0.00% (State Income Tax Rate or Composite SIT)
	p = (percent of federal income tax deductible for state purposes)
K	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.
L	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).
M	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.
N	Enter dollar amounts
O	Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.
P	Page 4, Line 37 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.
Q	Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
R	Excludes revenues unrelated to transmission services.
S	The revenues credited on page 1, Lines 2-6 do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenue on Line 7 is supported by its own reference.
T	Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.
U	On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects, unless provisions per settlement agreement section 2.23 requires inclusion.
V	Calculate using a 13-month average balance.
W	Includes only CWIP authorized by the Commission for inclusion in rate base.
X	Any actual ROE incentive must be approved by the Commission; therefore, Line will remain zero until a project(s) is granted a ROE incentive adder.
Y	Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts
Z	To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
AA	The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate template in the same manner as the underlying associated plant assets or expenses that generate the credits.
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56% Actual equity capitalization: 0.0% Equity Cap Not Triggered



**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.1045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

	<b>Income Tax Rates</b>			
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\}$		Attachment H-11A, page 3, Line 30, Col. 3	0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - \text{WCLTD} / R)$		Calculated	#DIV/0!
25	$1 / (1 - T)$		Attachment H-11A, page 3, Line 32, Col. 3	-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)		Attachment H-11A, page 3, Line 33, Col. 3	-
27	Tax Effect of Permanent Differences and AFUDC Equity		Attachment H-11A, page 3, Line 34, Col. 3	-
28	(Excess)/Deficient Deferred Income Taxes		Attachment H-11A, page 3, Line 35, Col. 3	-
29	Income Tax Calculation		(line 22 * line 24)	#DIV/0!
30	ITC adjustment		Attachment H-11A, page 3, Line 37, Col. 5	-
31	Permanent Differences and AFUDC Equity Tax Adjustment		Attachment H-11A, page 3, Line 38, Col. 5	-
32	(Excess)/Deficient Deferred Income Tax Adjustment		Attachment H-11A, page 3, Line 39, Col. 5	-
33	Total Income Taxes		Sum lines 29 to 32	#DIV/0!

Return and Taxes

34	Return and Income taxes with ROE		(Line 22 + Line 33)	#DIV/0!
35	Return with ROE		Attachment H-11A, Page 3, Line 41, Col. 5	#DIV/0!
36	Income Tax with ROE		Attachment H-11A, Page 3, Line 40, Col. 5	#DIV/0!

Notes:

Line 17 will reflect the ROE, as reflected on Attachment H-11A, Page 4, Line 33, Col. 5

# Incentive ROE Calculation

Attachment H -11A, Attachment 2a  
page 1 of 1  
For the 12 months ended 12/31/2021

## Return Calculation

### Source Reference

1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
3	Common Stock			
4	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
5	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
6	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
7	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
8	Common Stock		Attachment 8, Line 14, Col. 8	0
9	Capitalization			
10	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
11	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
12	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
13	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
14	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
15	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
16	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
17	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
18	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
19	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (NOTE A)	0.1145
20	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
21	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
22	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
23	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
24	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

## Income Taxes

### Income Tax Rates

23	T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =	Attachment H-11A, page 3, Line 30, Col. 3	0.00%
24	CIT=(T/(1-T)) * (1-(WCLTD/R)) =	Calculated	#DIV/0!
25	1 / (1 - T)	Attachment H-11A, page 3, Line 32, Col. 3	-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3	-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3	-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3	-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5	-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5	-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5	-
33	Total Income Taxes	Sum lines 29 to 32	#DIV/0!

## Incremental Return and Taxes

34	Return and Income taxes with scaled basis pts adder	(Line 22 + Line 33)	#DIV/0!
35	Return with incentive adder	Line 22	#DIV/0!
36	Income Tax with incentive adder	Line 33	#DIV/0!
37	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!
38	Rate Base	Line 1	#DIV/0!
39	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!

Notes:  
[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

Incentive ROE NITS Worksheet Support																Attachment H-11A, Attachment 2b	
Net Plant Detail																page 1 of 2	
																For the 12 months ended 12/31/2021	
Line No.	Project Name (Note A)	RTEP Project Number	Project Gross Plant (Note B)	Dec-20 (Note C)	Jan-21 (Note C)	Feb-21 (Note C)	Mar-21 (Note C)	Apr-21 (Note C)	May-21 (Note C)	Jun-21 (Note C)	Jul-21 (Note C)	Aug-21 (Note C)	Sep-21 (Note C)	Oct-21 (Note C)	Nov-21 (Note C)	Dec-21 (Note C)	
1a			#DIV/0!														
1b			#DIV/0!														
1c			#DIV/0!														
1d			#DIV/0!														
1e			#DIV/0!														
1f			#DIV/0!														

Attachment H-11A, Attachment 2b  
page 1 of 2  
For the 12 months ended 12/31/2021

2

NOTE

Subtotal

[A]

Utilize only in the instance there exists Commission approved ROE incentive projects

[B]

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

[C] Company records





			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average			-	-	-	-	-	-	-	-
			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	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average			-	-	-	-	-	-	-	-

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	-
		[B]	Production	Transmission	Distribution	Intangible	General	Common		Total	
15	December	2020	219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c	356.1		-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average		-	-	-	-	-	-	-	-	-
		[B]	Production	Transmission	Distribution	Intangible	General	Common			
29	December	2020	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Taken to Attachment H-11A, 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  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (including Plant & Labor Related Transmission ADITs and applicable transmission adjustments from notes below) Acct. No. 282 (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
2	December 31	12/31/2021	[G]	-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5c, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.

Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant & Labor Related Allocated to Transmission	Total Transmission
		Ending		Ending
		(Note F)	(page 1, Col. K)	(col. 2 + col. 3) (Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line		Summary of Transmission ADIT (Prior to adjusted items)				
		A	B	C	D	E
		End Plant Related	End Labor Related	Plant & Labor Subtotal	Gross Plant Allocator	Wages & Salary Allocator
		(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)
1	ADIT- 282 From Account Total Below	-	-	-	0.00%	100.00%
2	ADIT-283 From Account Total Below	-	-	-	0.00%	100.00%
3	ADIT-190 From Account Total Below	-	-	-	0.00%	100.00%
4	ADIT-281 From Account Total Below	-	-	-	0.00%	100.00%
5	ADIT-255 From Account Total Below	-	-	-	0.00%	100.00%
6	Subtotal	-	-	-		

- Notes
- A From column F (beginning on page 2)
  - B From column G (beginning on page 2)
  - C Refers to Attachment H-11A, page 2, line 6, col. 4
  - D Refers to Attachment H-11A, page 4, line 16, col.6
  - E Total Transmission Ending taken to Attachment 5, line 2
  - F From column E (beginning on page 2) by account

							Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
----------	---	---	---	---	---	---	--

Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



							Attachment H-11A, Attachment 5a page 4 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-283	End of Year Balance p277.19.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	-
----------	---	---	---	---	---	---	---

Instructions for Account 283:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



							Attachment H-11A, Attachment 5a page 6 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 255:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
2	PTRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
3	PTRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
4	PTRR	0	0		0		0		0	
		Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
		Beginning 283 Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
6	PTRR	0	0		0		0		0	

2021 PTRR									
		J	K	L	M	N	O	P	
		Attachment 5-ADIT Summary, Line 2		Page 1, 8+D+F+H	Page 1, row 2,4,6 Column A+B+D+F+H	J-L Attachment 5-ADIT Summary, Lines 3, 4, and 5		M-N	Line 7= J-N-O Lines 8-9= -J+N+O
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate	
Line	Account								
7	PTRR	Total Account 190	-	0	0	-	-	-	-
8	PTRR	Total Account 282	-	0	0	-	-	-	-
9	PTRR	Total Account 283	-	0	0	-	-	-	-
10	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-

**Notes:**

1. Attachment 5b will only be populated within the PTRR


Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	

2021 PTRR											
Line	Account		A	B	C	D	E	F	G	Line 5= H-M-O	P H+M+O
			Estimated Ending Balance (Before Adjustments)	Page 1, B+D+F+H Projected Activity	Page 1, row 3,7,11 Column A+B+D+F+H Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	D-E Normalization	Line 1= A-E-F Lines 2-3= -A+E+F Ending ADIT Balance Included in Formula Rate		
1	PTRR	Total Account 190		0	0	-		-	-		
2	PTRR	Total Account 282		0	0	-		-	-		
3	PTRR	Total Account 283		0	0	-		-	-		
4	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-		
2021 ATRR											
	Account		H	I	J	K	L	M	N	O	P
			Attachment 5 - ADIT Summary, Line 2	Page 1, B+D+F+H	Page 1, row 4,8,12 column A+B+D+F+H	H-J Prorated - Actual End (Before Adjustments)	D-K Prorated Activity Not Projected	Attachment 5-ADIT Summary, Lines 3, 4, and 5	E-M ADIT Adjustments not projected	K+L-M-N Normalization	Line 5= H-M-O H+M+O
	Account		Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance	Prorated - Actual End (Before Adjustments)	Prorated Activity Not Projected	Sum of end ADIT Adjustments	ADIT Adjustments not projected	Normalization	Ending ADIT Balance Included in Fo Rate
5	ATRR	Total Account 190	-	0	0	-	-	-	-	-	-
6	ATRR	Total Account 282	-	0	0	-	-	-	-	-	-
7	ATRR	Total Account 283	-	0	0	-	-	-	-	-	-
8	ATRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-

Notes:

1. Attachment 5c will only be populated within the ATRR

1	<b><u>Calculation of PBOP Expenses</u></b>		
2		<b><u>Amount</u></b>	<b><u>Source</u></b>
3	Total FirstEnergy PBOP expenses	-\$15,646,300	FirstEnergy 2019 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,161,999,525	FirstEnergy 2019 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0072	
6	labor (labor not capitalized) current year, transmission only		POTOMAC EDISON Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	\$0	
8	PBOP expense in Account 926 for current year, total company		POTOMAC EDISON Account 926: Company Records
9	W&S Labor Allocator	100.000%	
10	Allocated Transmission PBOP (line 8 * line 9)	-	
11	PBOP Adjustment for Attachment H-11A, page 3, line 6 (line 7 - line 10)	-	
12	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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission



			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [B] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
 [A] Reference for December balances as would be reported in FERC Form 1.  
 [B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000  
 [C] Renaissance issued securitized debt in 2007and the proceeds were distributed up to Potomac Edison in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.



## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
					Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z*	Weighted Outstanding Ratios	Effective Cost Rate	Weighted Debt Cost at t = N
t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg)			((col e. * col. F)/12)	(col. g/col. g total)	(Table 2, Col.kk)	(h) * (i)

**Long Term Debt Cost** 12/31/2021

**at Year Ended:**

**First Mortgage Bonds:**

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)
	Issue	Maturity	Amount	(Discount)	Issuance	Loss/Gain on	Net	Net	Coupon	Annual	Effective Cost Rate*
<b>Long Term Debt</b>	Date	Date	Issued	Premium	Expense	Reacquired	Proceeds	Proceeds	Rate	Interest	(Yield to Maturity
<b>Issuances</b>	Affiliate			at Issuance		Debt	(col. cc + col. dd - col. ee - col. ff)	Ratio (col. gg/ col. cc) *100)			at Issuance, t = 0)
										(col. cc *col.ii)	

- (1)
- (2)
- (3)
- (4)
- (5)

## TOTALS

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}$ ,  $C_{t=2}$ , etc.).

The diagram illustrates a sequence of operations on a stack. The stack initially contains elements 1, 2, 3, 4, 5. Operation 1 (push) adds element 6. Operation 2 (pop) removes element 6. Operation 3 (pop) removes element 5. Operation 4 (pop) removes element 4. Operation 5 (pop) removes element 3. Operation 6 (pop) removes element 2. Operation 7 (pop) removes element 1. The stack is empty after operation 7.

					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Expense Charge	Project Net Plant	Factor for Return	Return Charge	Depreciation Expense	Revenue Requirement	Incentive Projects	Factor for Return (Note F)	Requirement	True-up Adjustment	with True-up
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Note F)	Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	(Sum Col. 10 & 12)	(Note G)	(Sum Col. 13 & 14)

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line7, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line37, Col. 3

#### Notes

A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 10.

F Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder G

True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

				page 1 of 2												
				For the 12 months ended 12/31/2021												
TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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

TEC Worksheet Support															
Net Plant Detail															
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)	
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)		

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)
Actual											
Line No.		Project Name	RTEP Project Number	Revenues for Attachment 11	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)
				Attachment 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b		Project 2				-	-		-		
2c		Project 3				-	-		-		
3		Subtotal			-			-	-		
4		Total Interest (Sourced from Attachment 13a, line46)									-

**NOTE**

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





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For the 12 months ended 12/31/2021

Line	(A)	(B)	(C)	(D)	(E)	
	Month	PJM Bill NITS Charge Code (A)	True-up (B)	Other (C)	Total	
1	January	-			-	
2	February	-			-	
3	March	-			-	
4	April	-			-	
5	May	-			-	
6	June	-			-	
7	July	-			-	
8	August	-			-	
9	September	-			-	
10	October	-			-	
11	November	-			-	
12	December	-			-	
13	Total	-	-	-	-	
14	Month	PJM Bill TEC Charge Code (A)	True-up (B)	Other (C)	Total	
15	January	-			-	
16	February	-			-	
17	March	-			-	
18	April	-			-	
19	May	-			-	
20	June	-			-	
21	July	-			-	
22	August	-			-	
23	September	-			-	
24	October	-			-	
25	November	-			-	
26	December	-			-	
27	Total	-	-	-	-	

**Notes**

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone

(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.

(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.







Abandoned Plant

Attachment H-11A, Attachment 16  
page 1 of 1  
For the 12 months ended 12/31/2021

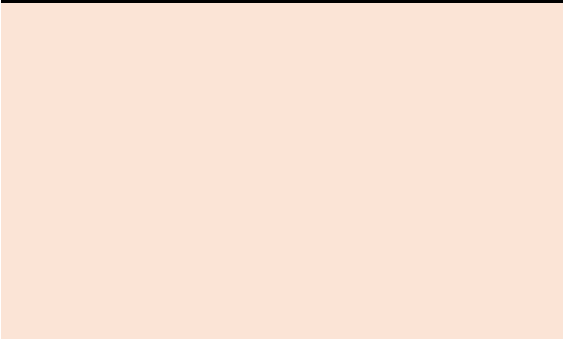
1.00	
1.01	
1.02	
1.03	
1.04	
1.05	
1.06	
1.07	
1.08	
1.09	
1.10	
2	Total

- Notes**
- (A) Only projects approved by the commission will be included
- (B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the beginning amount will be the ending balance from the previous year
- (C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends
- (D) Average calculated as [Sum of Columns (B) through (N)] ÷ 13
- (E) Column O \* Attachment H-11A, page 4, line 34, col. 6

(F) Column P \* Attachment H-11A, page 3, line24, col 3

(G) Column A + Column P + Column Q

(H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement





Construction Work in Progress

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															
2b	[Placeholder 2]															
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

- (a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.
- (b) CWIP will not be included unless authorized by the Commission

~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate  
(entered on Attachment H-11A, page  
5 of 5, NoteJ)

**State Income Tax Rate**

Combined Rate

~~(entered on Attachment H-11A,  
page 5 of 5, NoteJ)~~

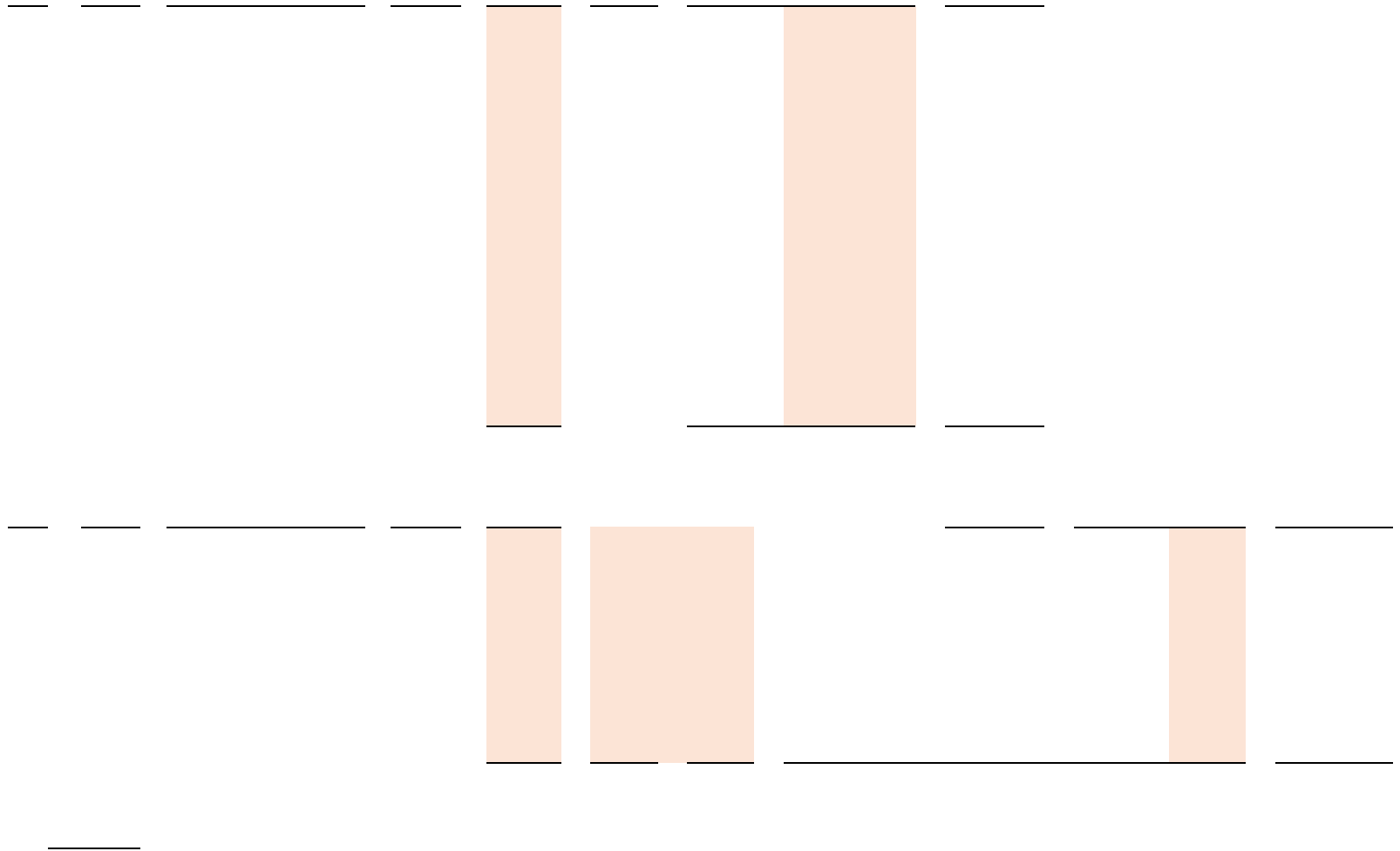
Nominal State Income Tax Rate  
Times Apportionment Percentage  
Combined State Income Tax Rate

## Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
												2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Line No.	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period	Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	Dec31	Jan 31	Feb 28/29	Mar 31	Apr 30	May 31	June 30	July 31	August 31	Sept 30	Oct 31	Nov 30	Dec 31	Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total																								

### Notes

- (A) Only Regulatory Assets approved by the commission will be included  
 (B) Regulatory asset references to be noted based on FERC Page. Row. Col.#  
 (C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year  
 (D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends  
 (E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line8, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line8, Col.3 will be 0  
 (F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0



For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

WEST PENN POWER

Line No.	(1)	(2)	(3)	(4)	(5)
					Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line38, col 5]				
	REVENUE CREDITS	(NoteS)	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
5	Section 30.9 credits	(page 4, Line 41)		TP 1.00000	-
6	Other Revenue credits	(page 4, Line 42)		DA 0.00000	-
7	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	-
8	TOTAL REVENUE CREDITS (sum Lines 2-7)				
9	True-up Adjustment with Interest	(Attachment 13, Line47) enter negative			-
10	NET REVENUE REQUIREMENT	(Line 1 - Line 8 + Line9)			-

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		WEST PENN POWER			
		(1)	(2)	(3)	(4)	(5)	
Line No.	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 T&V)	-	NA			
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes T&V)	-	TP	0.00000	-	
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes T&V)	-	NA			
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes T&V)	-	W/S	1.00000	-	
5	Common	Attachment 3, Line 14, Col. 7 (Notes T&V)	-	CE	1.00000	-	
6	TOTAL GROSS PLANT (sum Lines 1-5)		-	GP=	0.000%	-	
ACCUMULATED DEPRECIATION							
7	Production	Attachment 4, Line 14, Col. 1 (Notes T&V)	-	NA			
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes T&V)	-	TP	0.00000	-	
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes T&V)	-	NA			
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes T&V)	-	W/S	1.00000	-	
11	Common	Attachment 4, Line 14, Col. 7 (Notes T&V)	-	CE	1.00000	-	
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)		-			-	
NET PLANT IN SERVICE							
13	Production	(Line 1 - Line 7)	-				
14	Transmission	(Line 2 - Line 8)	-			-	
15	Distribution	(Line 3 - Line 9)	-				
16	General & Intangible	(Line 4 - Line 10)	-			-	
17	Common	(Line 5 - Line 11)	-			-	
18	TOTAL NET PLANT (sum Lines 13-17)		-			-	
ADJUSTMENTS TO RATE BASE							
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	-	NA			
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	-	DA	1.00000	-	
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	-	DA	1.00000	-	
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	-	DA	1.00000	-	
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	-	DA	1.00000	-	
24	Unfunded Reserves	Attachment 14, Line 18, Col. P (Notes C & V)	-	DA	1.00000	-	
25	[This line left intentionally blank]						
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes V&W)	-	DA	1.00000	-	
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note V)	-	DA	1.00000	-	
28	TOTAL ADJUSTMENTS (sum Lines 19-27)		-			-	
29	LAND HELD FOR FUTURE USE	(Attachment 14, Line 4, Col.P) (Note G)	-	TP	0.00000	-	
30	WORKING CAPITAL (Note H)						
31	CWC			DA	1.00000		
32	Materials & Supplies (Note G)	Attachment 14, Line 3, Col.P) (Note V)	-	TE	0.00000	-	
33	Prepayments (Account 165)	Attachment 14, Line 2, Col.P) (Notes B & V)	-	DA	1.00000	-	
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)						
35	RATE BASE (sum Lines 18, 28, 29, & 34)						

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WEST PENN POWER

40 a Firm Point-to-Point  
40 b Other  
  
41 SECTION 30.9 CREDITS  
42 OTHER REVENUE CREDITS  
  
42a Labor Related Revenues  
42b Plant Related Revenues  
42c Transmission Related Revenues

W&S	1.00000	-
GP	0.00000	-
TP	0.00000	-

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data  
WEST PENN POWER

For the 12 months ended 12/31/2021

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 Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points adder to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.
- B Prepayments shall exclude prepayments of income taxes.
- C Transmission-related only
- 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. Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.
- 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.
- F The balances in accounts 190 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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 As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&M and A&G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital base.
- I Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula Template since they are recovered elsewhere.
- J 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, Line25).
- Inputs Required:
- |       |       |   |
|-------|-------|---|
| FIT = | 0.00% |   |
| SIT = | 0.00% | (State Income Tax Rate or Composite SIT)                      |
| p =   |       | (percent of federal income tax deductible for state purposes) |
- K 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.
- L 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).
- M 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.
- N Enter dollar amounts
- O Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.
- P Page 4, Line 37 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.
- Q Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- R Excludes revenues unrelated to transmission services.
- S The revenues credited on page 1, Lines 2-6 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 5 is supported by its own reference.
- T Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.
- U On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects, unless provisions per settlement agreement section 2.23 requires inclusion.
- V Calculate using a 13-month average balance.
- W Includes only CWIP authorized by the Commission for inclusion in rate base.
- X Any actual ROE incentive must be approved by the Commission; therefore, Line will remain zero until a project(s) is granted a ROE incentive adder.

Y	Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts
Z	To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
AA	The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate ten in the same manner as the underlying associated plant assets or expenses that generate the credits.
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56% Actual equity capitalization: 0.0% Equity Cap Not Triggered

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**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Attachment H -11A, Attachment 2  
page 1 of 1  
For the 12 months ended 12/31/2021

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.1045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

	<b>Income Tax Rates</b>			
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / R)) =$	Calculated	#DIV/0!	
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3		-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
33	Total Income Taxes	Sum lines 29 to 32	#DIV/0!	

Return and Taxes

34	Return and Income taxes with ROE	(Line 22 + Line 33)	#DIV/0!
35	Return with ROE	Attachment H-11A, Page 3, Line 41, Col. 5	#DIV/0!
36	Income Tax with ROE	Attachment H-11A, Page 3, Line 40, Col. 5	#DIV/0!

Notes:

Line 17 will reflect the ROE, as reflected on Attachment H-11A, Page 4, Line 33, Col. 5

# Incentive ROE Calculation

Attachment H -11A, Attachment 2a  
page 1 of 1  
For the 12 months ended 12/31/2021

## Return Calculation

### Source Reference

1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
3	Common Stock			
4	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
5	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
6	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
7	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
8	Common Stock		Attachment 8, Line 14, Col. 8	0
9	Capitalization			
10	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
11	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
12	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
13	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
14	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
15	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
16	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
17	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
18	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
19	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (NOTE A)	0.1145
20	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
21	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
22	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
23	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
24	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

## Income Taxes

### Income Tax Rates

23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\}$	Attachment H-11A, page 3, Line 30, Col. 3	0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / R)) =$	Calculated	#DIV/0!
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3	-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3	-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3	-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3	-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5	-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5	-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5	-
33	Total Income Taxes	Sum lines 29 to 32	#DIV/0!

## Incremental Return and Taxes

34	Return and Income taxes with scaled basis pts adder	(Line 22 + Line 33)	#DIV/0!
35	Return with incentive adder	Line 22	#DIV/0!
36	Income Tax with incentive adder	Line 33	#DIV/0!
37	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!
38	Rate Base	Line 1	#DIV/0!
39	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!

Notes:  
[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

Incentive ROE NITS Worksheet Support																	Attachment H-11A, Attachment 2b	
Net Plant Detail																	page 1 of 2	
																	For the 12 months ended 12/31/2021	
Line No.	Project Name (Note A)	RTEP Project Number	Project Gross Plant (Note B)	Dec-20 (Note C)	Jan-21 (Note C)	Feb-21 (Note C)	Mar-21 (Note C)	Apr-21 (Note C)	May-21 (Note C)	Jun-21 (Note C)	Jul-21 (Note C)	Aug-21 (Note C)	Sep-21 (Note C)	Oct-21 (Note C)	Nov-21 (Note C)	Dec-21 (Note C)		
1a			#DIV/0!															
1b			#DIV/0!															
1c			#DIV/0!															
1d			#DIV/0!															
1e			#DIV/0!															
1f			#DIV/0!															

Attachment H-11A, Attachment 2b  
page 1 of 2  
For the 12 months ended 12/31/2021

2

NOTE

Subtotal

[A]

Utilize only in the instance there exists Commission approved ROE incentive projects

[B]

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

[C] Company records





			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average			-	-	-	-	-	-	-	-
			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	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average			-	-	-	-	-	-	-	-

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	-
			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	2020									-
16	January	2021									-
17	February	2021									-
18	March	2021									-
19	April	2021									-
20	May	2021									-
21	June	2021									-
22	July	2021									-
23											-
24	September	2021									-
25	October	2021									-
26	November	2021									-
27	December	2021									-
28	13-month Average		-	-	-	-	-	-	-	-	-
			Production	Transmission	Distribution	Intangible	General	Common			
		[B]	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
29	December	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Taken to Attachment H-11A, 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  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
					ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)				
2	December 31	12/31/2021	[G]	-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5C, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.

Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant & Labor Related Allocated to Transmission	Total Transmission Ending (col. 2 + col. 3) (Note E)
		(Note F)	(page 1, Col. K)	(Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line		Summary of Transmission ADIT (Prior to adjusted items)					
		A	B	C	D	E	F
		End Plant Related	End Labor Related	Plant & Labor Subtotal	Gross Plant Allocator	Wages & Salary Allocator	End Plant & Labor Related ADIT (Col. A * Col. D) + (Col. B * Col. E)
		(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)	
1	ADIT- 282 From Account Total Below	-	-	-	0.00%	100.00%	-
2	ADIT-283 From Account Total Below	-	-	-	0.00%	100.00%	-
3	ADIT-190 From Account Total Below	-	-	-	0.00%	100.00%	-
4	ADIT-281 From Account Total Below	-	-	-	0.00%	100.00%	-
5	ADIT-255 From Account Total Below	-	-	-	0.00%	100.00%	-
6	Subtotal	-	-	-			-

- Notes
- A From column F (beginning on page 2)
  - B From column G (beginning on page 2)
  - C Refers to Attachment H-11A, page 2, line 6, col. 4
  - D Refers to Attachment H-11A, page 4, line 16, col.6
  - E Total Transmission Ending taken to Attachment 5, line 2
  - F From column E (beginning on page 2) by account

A	B	C	D	E	F	G	Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
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- Instructions for Account 190:
- ADIT items related only to Retail Related Operations are directly assigned to Column C.
  - ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
  - ADIT items related only to Transmission are directly assigned to Column E.
  - ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
  - ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
  - Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT- 282	End of Year Balance p275.9.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Subtotal	-	-	-	-	-	-	

Attachment H-11A, Attachment 5a  
page 3 of 6  
For the 12 months ended 12/31/2021

## JUSTIFICATION

**Instructions for Account 282:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.





							Attachment H-11A, Attachment 5a page 6 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
----------	---	---	---	---	---	---	--

Instructions for Account 255:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.

2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.

3. ADIT items related only to Transmission are directly assigned to Column E.

4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.

5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Line		A	B	C	D	E	F	G	H	I
		2021 Quarterly Activity and Balances								
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
5	PTRR	Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
6	PTRR	Beginning 283 Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	

			2021 PTRR						
			J	K	L	M	N	O	P
			Attachment 5-ADIT Summary, Line 2	Page 1, B+D+F+H	Page 1, row 2,4,6 Column A+B+D+F+H	J-L Attachment 5-ADIT Summary, Lines 3, 4, and 5 M-N			Line 7= J-N-O Lines 8-9= -J+N+O
			Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
<u>Line</u>	Account								
7	PTRR	Total Account 190	0	-	-	-	-		
8	PTRR	Total Account 282	-	0	0	-	-	-	-
9	PTRR	Total Account 283	-	0	0	-	-	-	-
10	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-

**Notes:**  
1. Attachment 5b will only be populated within the PTRR

		2021 Quarterly Activity and Balances								
Line		A	B	C	D	E	F	G	H	I
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	

2021 PTRR											
			A	B	C	D	E	F	G		
				Page 1, B+D+F+H	Page 1, row 3,7,11 Column A+B+D+F+H	A-C Prorated - Estimated End		D-E	Line 1= A-E-F Lines 2-3= -A+E+F		
			Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	(Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate		
Line	Account										
1	PTRR	Total Account 190		0	0	-			-		-
2	PTRR	Total Account 282		0	0	-			-		-
3	PTRR	Total Account 283		0	0	-			-		-
4	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-		-
2021 ATRR											
			H	I	J	K	L	M	N	O	P
				Page 1, B+D+F+H	Page 1, row 4,8,12 column A+B+D+F+H	H-J	D-K	Attachment 5-ADIT Summary, Line 3,4, and 5	E-M	K+L-M-N	Line 5= H-M-O Lines 6-7= -H+M+O
			Attachment 5- ADIT Summary, Line 2			Prorated - Actual End (Before Adjustments)	Prorated Activity Not Projected	Sum of end ADIT Adjustments	ADIT Adjustments not projected	Normalization	Ending ADIT Balance Included in Formula Rate
			Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance						
5	ATRR	Total Account 190		0	0	-	-		-	-	-
6	ATRR	Total Account 282		0	0	-	-		-	-	-
7	ATRR	Total Account 283		0	0	-	-		-	-	-
8	ATRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-

**Notes:**  
1. Attachment 5c will only be populated within the ATRR

1	<b><u>Calculation of PBOP Expenses</u></b>		
2		<b><u>Amount</u></b>	<b><u>Source</u></b>
3	Total FirstEnergy PBOP expenses	-\$15,646,300	FirstEnergy 2019 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,161,999,525	FirstEnergy 2019 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0072	
6	labor (labor not capitalized) current year, transmission only		WEST PENN POWER Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	\$0	
8	PBOP expense in Account 926 for current year, total company		WEST PENN POWER Account 926: Company Records
9	W&S Labor Allocator	100.000%	
10	Allocated Transmission PBOP (line 8 * line 9)	-	
11	PBOP Adjustment for Attachment H-11A, page 3, line 6 (line 7 - line 10)	-	
12	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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission

			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [B] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average			-	-	-	-	-	-	-	-

Notes:

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

[B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000

[C] Renaissance issued securitized debt in 2007 and the proceeds were distributed up to West Penn Power in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.







## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
					Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z*	Weighted Outstanding Ratios	Effective Cost Rate	Weighted Debt Cost at t = N
t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. gg)			((col e. * col. F)/12)	(col. g/col. g total)	(Table 2, Col.kk)	(h) * (i)

**Long Term Debt Cost** 12/31/2021

**at Year Ended:**

**First Mortgage Bonds:**

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)
	Issue	Maturity	Amount	(Discount)	Issuance	Loss/Gain on	Net	Net	Coupon	Annual	Effective Cost Rate*
<b>Long Term Debt</b>	Date	Date	Issued	Premium	Expense	Reacquired	Proceeds	Proceeds	Rate	Interest	(Yield to Maturity
<b>Issuances</b>	Affiliate			at Issuance		Debt	(col. cc + col. dd - col. ee - col. ff)	Ratio (col. gg/ col. cc) *100)			at Issuance, t = 0)
										(col. cc *col.ii)	

- (1)
- (2)
- (3)
- (4)
- (5)

## TOTALS

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}$ ,  $C_{t=2}$ , etc.).

The diagram illustrates a sequence of operations on a stack. The stack initially contains elements 1, 2, 3, 4, 5. Operation 1 (push) adds element 6. Operation 2 (pop) removes element 6. Operation 3 (pop) removes element 5. Operation 4 (pop) removes element 4. Operation 5 (pop) removes element 3. Operation 6 (pop) removes element 2. Operation 7 (pop) removes element 1. The stack is empty after operation 7.

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-11A

Line No.	(1)  Reference	(2)  Transmission	(3)  Allocator	(4)
1	Gross Transmission Plant - Total	Attach. H-11A, p. 2, line 2, col. 5 (Note A)		
2	Net Transmission Plant - Total	Attach. H-11A, p. 2, line 14, col. 5 (Note B)		
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-11A, p. 3, line9, col. 5		
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)		
	GENERAL, INTANGIBLE, AND COMMON (G,I, & C) DEPRECIATION EXPENSE			
5	Total G, I, & C depreciation expense	Attach. H-11A, p. 3, lines 11 &13, col. 5		
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)		
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-11A, p. 3, line 22, col. 5		
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)		
<b>9</b>	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>		
	INCOME TAXES			
10	Total Income Taxes	Attach. H-11A, p. 3, line33, col. 5		
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)		
	RETURN			
12	Return on Rate Base	Attach. H-11A, p. 3, line 34, col. 5		
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)		
<b>14</b>	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		

					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Expense Charge	Project Net Plant	Factor for Return	Return Charge	Depreciation Expense	Revenue Requirement	Incentive Projects	Factor for Return (Note F) Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	Require ment (Sum Col. 10 & 12)	True-up Adjustment (Note G)	with True-up (Sum Col. 13 & 14)
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, & 9)	(Note F)				

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line7, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line37, Col. 3

#### Notes

A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 10.

F Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder

G True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

Attachment 11-1173, Attachment 11-1174

page 1 of 2

For the 12 months ended 12/31/2021

TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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

TEC Worksheet Support														
Net Plant Detail														
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)	

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)
Actual											
Line No.		Project Name	RTEP Project Number	Revenues for Attachment 11	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)
				Attachment 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b		Project 2				-	-		-		
2c		Project 3				-	-		-		
3		Subtotal			-			-	-		
4		Total Interest (Sourced from Attachment 13a, line46)									-

**NOTE**

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





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TEC Revenue Requirement True-up with Interest

	Reconciliation Revenue Requirement For Year 20XX Available June 15, 20XX (b)		20XX Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 20XX		True-up Adjustment - Over (Under) Recovery
(i)	Note [b]	-	Note [b]	=	
	\$0		\$0		\$0

An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX

Line	(A) Month	(B) 20-Months Average Interest Rate (a)	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding
1	Jan-21		-	0.0833	-	-
2	Feb-21	-	-	0.1667	-	-
3	Mar-21	-	-	0.2500	-	-
4	Apr-21	-	-	0.3333	-	-
5	May-21	-	-	0.4167	-	-
6	Jun-21	-	-	0.5000	-	-
7	Jul-21	-	-	0.5833	-	-
8	Aug-21	-	-	0.6667	-	-
9	Sep-21	-	-	0.7500	-	-
10	Oct-21	-	-	0.8333	-	-
11	Nov-21	-	-	0.9167	-	-
12	Dec-21	-	-	1.0000	-	-
13			Year 1 True-Up Adjustment + Interest	1.0000		
14	Jan-22	-	-	1.0000	-	-
15	Feb-22	-	-	1.0000	-	-
16	Mar-22	-	-	1.0000	-	-
17	Apr-22	-	-	1.0000	-	-
18	May-22	-	-	1.0000	-	-
19	Jun-22	-	-	1.0000	-	-
20	Jul-22	-	-	1.0000	-	-
21	Aug-22	-	-	1.0000	-	-
22	Sep-22	-	-	1.0000	-	-
23	Oct-22	-	-	1.0000	-	-
24	Nov-22	-	-	1.0000	-	-
25	Dec-22	-	-	1.0000	-	-
26			Year 2 True-Up Adjustment + Interest	1.0000		
27			Principle Amortization	0.0833		
28			Interest Amortization		(Found using Excel Solver/Goal Seek/or equivalent) Note [c]	
			Year 3 Monthly Amortization	0.0833		
29	Jan-23	-	-	0.9167	-	-
30	Feb-23	-	-	0.8333	-	-
31	Mar-23	-	-	0.7500	-	-
32	Apr-23	-	-	0.6667	-	-
33	May-23	-	-	0.5833	-	-
34	Jun-23	-	-	0.5000	-	-
35	Jul-23	-	-	0.4167	-	-
36	Aug-23	-	-	0.3333	-	-
37	Sep-23	-	-	0.2500	-	-
38	Oct-23	-	-	0.1667	-	-
39	Nov-23	-	-	0.0833	-	-
40	Dec-23	-	-	-	-	-
41			Year 3 True-Up Adjustment + Interest	-		
42			Total Amount Refunded/Surcharged	1.0000		
43			True-Up Before Interest	1.0000		
44			Interest Refunded/Surcharged	-		



(A) Amounts represent a subset of the total PJM bill for the entire AP Zone

(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.

(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.





Abandoned Plant

1.00		
1.01		
1.02		
1.03		
1.04		
1.05		
1.06		
1.07		
1.08		
1.09		
1.10		
2	Total	

- Notes**
- (A) Only projects approved by the commission will be included
  - (B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the beginning amount will be the ending balance from the previous year
  - (C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends
  - (D) Average calculated as [Sum of Columns (B) through (N)] ÷ 13
  - (E) Column O \* Attachment H-11A, page 4, line 34, col. 6
  - (F) Column P \* Attachment H-11A, page 3, line24, col 3
  - (G) Column A + Column P + Column Q
  - (H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement

Construction Work in Progress

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															-
2b	[Placeholder 2]															-
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

- (a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.
- (b) CWIP will not be included unless authorized by the Commission



~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate  
(entered on Attachment H-11A, page  
5 of 5, NoteJ)

**State Income Tax Rate**

Combined Rate

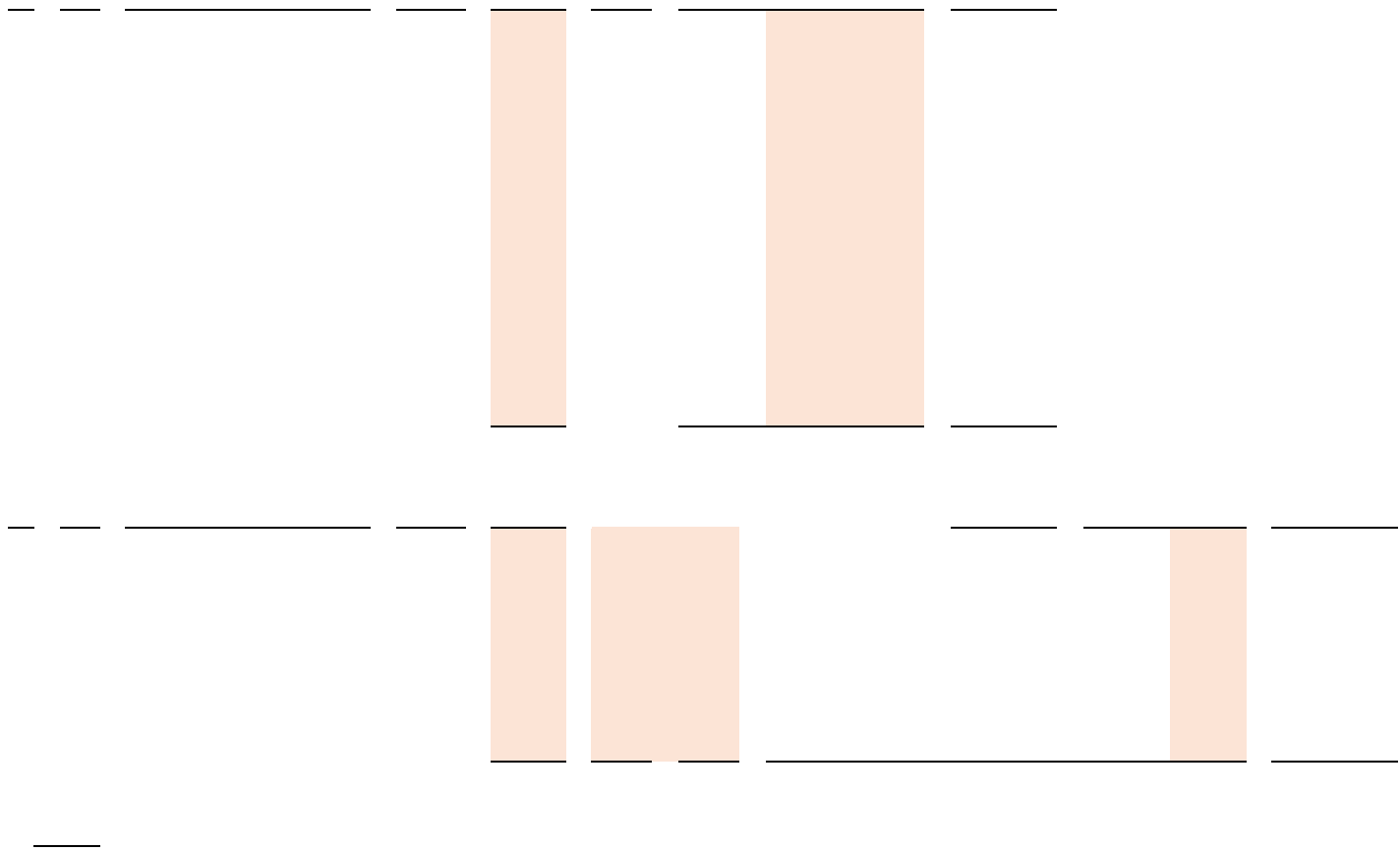
~~(entered on Attachment H-11A,  
page 5 of 5, NoteJ)~~

Nominal State Income Tax Rate  
Times Apportionment Percentage  
Combined State Income Tax Rate

Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
								Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	
Line No.	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period					Dec31	Jan 31	Feb 28/29	Mar 31	Apr 30	May 31	June 30	July 31	August 31	Sept 30	Oct 31	Nov 30	Dec 31	Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total										-														

**Notes**  
(A) Only Regulatory Assets approved by the commission will be included  
(B) Regulatory asset references to be noted based on FERC Page. Row. Col.#  
(C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year  
(D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends  
(E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line8, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line8, Col.3 will be 0  
(F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0



## **ATTACHMENT H-11B**

### **Formula Rate Implementation Protocols — South FirstEnergy Operating Companies (“the SFCs”)**

#### **ANNUAL TRUE-UP, INFORMATION EXCHANGE, AND CHALLENGE PROCEDURES**

##### **Definitions**

"Actual Transmission Revenue Requirement" or "ATRR" means the actual net transmission revenue requirement of the SFCs calculated and posted on the PJM website no later than June 15 of each year subsequent to calendar year 2021 for the immediately preceding calendar year in accordance with the SFCs' Formula Rate and based upon the SFCs' actual costs and expenditures.

"Annual Update" means the SFCs' ATRR for the preceding calendar year, as well as the True-up for the prior Rate Year, as posted on or before June 15 of each year.

"Formal Challenge" means a written challenge to an Annual Update or Projected Transmission Revenue Requirement submitted to the Federal Energy Regulatory Commission (the "Commission" or "FERC") as provided in Section IV below.

"Formula Rate" means the collection of formulas and worksheets included as Attachment H-11A of the PJM Tariff.

"Interested Parties" include, but are not limited to, customers under the PJM Tariff, state utility regulatory commissions, the Organization of PJM States, Inc., consumer advocacy agencies, state attorneys general, and any party to any docket assigned by the Commission to the SFCs' Formula Rate Filing and Annual Update, including Docket No. ER21-253-000 and related sub-dockets.

"PJM Tariff" means the Open Access Transmission Tariff of the PJM Interconnection, L.L.C.

"Preliminary Challenge" means a written challenge to the Annual Update or Projected Transmission Revenue Requirement submitted to the SFCs as provided in Section IV below.

"Projected Transmission Revenue Requirement" or "PTRR" means the projected net transmission revenue requirement of the SFCs calculated for the forthcoming Rate Year, as well as, where applicable, the most recently calculated True-up, with interest, to be posted on the PJM website no later than October 1 of each year for rates effective the next calendar year starting January 1.

"Protective Agreement and Non-Disclosure Certificate" means the agreement and certificate executed by Interested Parties and their representatives for a Rate Year in order to obtain access to material that the SFCs deem confidential or that contains Critical Energy Infrastructure Information as that term is defined in 18 C.F.R. § 388.113(c)(1).

"Protocols" means these Protocols, included as Attachment H-11B of the PJM Tariff.

"Publication Date" means the date on which the Annual Update is posted on the PJM website.

"Rate Year" means the twelve consecutive month period that begins on January 1 and continues through December 31.

"True-up" means the difference between the revenues received by the SFCs corresponding to the rate effective period of the PTRR (net of the True-up from the prior year), and the ATRR, for the same Rate Year, which shall be provided in the Annual Update on or before June 15 of the year subsequent to the Rate Year. The True-up will be a component of the PTRR.

## **Section I. Applicability**

The following procedures shall apply to the SFCs' calculation of their Actual Transmission Revenue Requirement, True-up, and Projected Transmission Revenue Requirement.

## **Section II. Annual Update and Projected Transmission Revenue Requirement**

- A. On or before June 15 of each year subsequent to calendar year 2022, the SFCs shall determine their Annual Update for the immediately preceding calendar year under Attachment H-11A and Section VII of these Protocols, including calculation of the True-up to be included in their PTRR for the subsequent Rate Year.
- B. On or before June 15 of each year subsequent to calendar year 2022, the SFCs shall
  - 1. provide their Annual Update for the immediately preceding calendar year and Protective Agreement and Non-Disclosure Certificate to PJM and cause such information to be posted on the PJM website; and
  - 2. provide notice of such posting via the e-mail exploder list for the SFCs. Interested Parties can subscribe to the PJM email exploder list for the SFCs by request submitted to [SFCAnnualUpdate@firstenergycorp.com](mailto:SFCAnnualUpdate@firstenergycorp.com).
- C. On or before October 31, 2022, and on or before each subsequent October 1, the SFCs shall:
  - 1. provide their PTRR to PJM and cause such information to be posted on the PJM website, in both a Portable Document Format ("PDF") and fully-functioning Excel file, and
  - 2. provide notice of such posting via the e-mail exploder list for the SFCs. Interested Parties can subscribe to the PJM email exploder list for the SFCs by request submitted to [SFCAnnualUpdate@firstenergycorp.com](mailto:SFCAnnualUpdate@firstenergycorp.com).
- D. On or before September 1, 2022, and on or before each subsequent August 1, the SFCs shall upon request provide any Interested Party with:

1. information showing (a) each transmission project forecasted to be placed into service in the following Rate Year that is expected to have a direct cost of \$1,000,000 (one million dollars) or greater, and a breakdown of the projected direct costs of each such project in as much detail as is reasonably available; and (b) purchases of categories of capital equipment (e.g., switches, transformers, relays, etc.) aggregating \$3,000,000 (three million dollars) or greater that are forecasted to enter service during the following Rate Year, either through the use of such capital equipment in projects forecasted to be placed in service during the following Rate Year or as spare plant that the SFCs determine to be needed for the safe and reliable operation of the transmission system in accordance with Good Utility Practice during the following Rate Year; and
  2. a statement setting forth the basis for the SFCs' determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchases into service during the following Rate Year, as described below, is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). The SFCs' provision of such information shall be subject to the protection of any confidential information, as needed, under the Protective Agreement and Non-Disclosure Certificate.
- E. If transmission plant is projected to be placed in service (PTRR) or actually placed in service (ATRR) in the respective rate period, at an amount other than on a historic cost basis (e.g., fair value adjustments), the SFCs will provide a worksheet identifying such transmission plant and a narrative explanation of the individual impact of such items to the Annual Update.
- F. If the date for posting the Annual Update or PTRR falls on a weekend or a holiday recognized by FERC, then the posting shall be due on the next business day. The date on which posting of the Annual Update occurs shall be that year's Publication Date. Any delay in the Publication Date or in the posting of the PTRR will result in an equivalent extension of time for the submission of information requests discussed in Section III of these Protocols.
- G. The ATRR shall:
1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
  2. Be based on the SFCs' respective FERC Form No. 1s for the prior calendar year;
  3. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the ATRR that are not otherwise available in the FERC Form No. 1s, subject to the protection of any confidential information, as needed, under the Protective Agreement and Non-Disclosure Certificate;

4. Provide sufficient information to enable Interested Parties to replicate the calculation of the ATRR results from the FERC Form No. 1s;
5. Identify any changes in the formula references (page and line numbers) to the FERC Form No. 1s;
6. Identify and, to the extent not explained in a worksheet included in the ATRR, explain, all material adjustments made to the FERC Form No. 1 data in determining formula inputs, including relevant footnotes to the FERC Form No. 1s and any adjustments not shown in the FERC Form No. 1s;
7. Provide underlying data for Formula Rate inputs that provide greater granularity than is required for the FERC Form No. 1;
8. As part of the ATRR open meeting, the SFCs shall provide
  - a. a summary of the actual year results to the PTRR for the same rate period, to accompany further discussion of key drivers of the ATRR and PTRR; and
  - b. more granular information and supporting explanations pertaining to variances that exceed 10% provided both (i) that the variance exceeds \$500,000 and (ii) that the information is in the level of detail consistent with the Companies' ATRR and its related attachments;
9. With respect to any change in accounting that affects inputs to the Formula Rate or the resulting charges billed under the Formula Rate ("Accounting Change"):
  - a. Identify any Accounting Change, including:
    - i. the initial adoption of a new accounting standard or policy;
    - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
    - iii. correction of errors and prior period adjustments that affect the ATRR and True-up calculation;
    - iv. the implementation of new estimation methods or policies that change prior estimates;
    - v. changes to income tax elections; and
    - vi. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC's Uniform System of

Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of the SFCs.

b. Identify items included in the ATRR at an amount other than on a historic cost basis (*e.g.*, fair value adjustments);

- c. Identify any sale of transmission and/or general electric plant in service with gross plant value greater than \$50,000 as reported in the SFCs' FERC Form 1 on page 206, as may be amended, during the previous year—excluding the sale of passenger vehicles and retired assets sold for salvage value—and explain the effect of the accounting for such transaction(s) on inputs to the Formula Rate.
- d. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the ATRR; and
- e. Provide, for each Accounting Change, a narrative explanation of the individual impact of such change on the ATRR; and

10. Include for the applicable Rate Year the following information related to affiliate cost allocation: (A) a detailed description of the methodologies used to allocate and directly assign costs between the SFCs and their affiliates by service category and function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; and (B) the magnitude of such costs that have been allocated or directly assigned between the SFCs and each affiliate by service category or function.

H. It is the intent of the Formula Rate, including the supporting explanations and allocation described therein, that each input to the Formula Rate will be either taken directly from FERC Form No. 1 or reconcilable to FERC Form No. 1 by the application of clearly identified and supported information. If the referenced form is superseded, the successor form(s) shall be utilized and supplemented as necessary to provide equivalent information as that provided in the superseded form. If the referenced form(s) is (are) discontinued, equivalent information as that provided in the discontinued form(s) shall be utilized.

I. The PTRR shall:

- 1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
- 2. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the PTRR;



3. Provide sufficient information to enable Interested Parties to replicate the calculation of the PTRR. If transmission plant is projected to be placed in service (PTRR) or actually placed in service (ATRR) in the respective rate period at an amount other than on a historic cost basis (e.g., fair value adjustments), the SFCs will provide a worksheet identifying such transmission plant and a narrative explanation of the individual impact of such items to the Annual Update;
4. With respect to any Accounting Change:
  - a. Identify any Accounting Change, including:
    - i. the initial adoption of a new accounting standard or policy;
    - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
    - iii. correction of errors and prior period adjustments that affect the PTRR calculation;
    - iv. the implementation of new estimation methods or policies that change prior estimates;
    - v. changes to income tax elections;
    - vi. the initial implementation of accounting changes in the reporting of the FERC Form 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC's Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of the SFCs
  - b. Identify items included in the PTRR at an amount other than on a historic cost basis (e.g., fair value adjustments);
  - c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the PTRR; and
  - d. Provide, for each Accounting Change, a narrative explanation of the individual impact of such change on the PTRR.
- J. The SFCs shall hold an open meeting among Interested Parties ("Annual Update Meeting"), to be conducted via Internet webcast, no earlier than ten (10) business days following the Publication Date and no later than July 15. No fewer than seven (7) days prior to such Annual Update Meeting, the SFCs shall provide notice on PJM's website of

the time and date of the Annual Update Meeting, and shall provide notice of the posting via the e-mail exploder list for the SFCs. The Annual Update Meeting shall: (i) permit the SFCs to explain and clarify their ATRR and True-up; and (ii) provide Interested Parties an opportunity to seek information and clarifications from the SFCs about the ATRR and True-up.

- K. The SFCs shall hold an open meeting among Interested Parties (“Annual Projected Rate Meeting”), to be conducted via Internet webcast. For the 2023 PTRR, the Annual Projected Rate Meeting shall be no earlier than seven (7) business days following the posting of the PTRR (as described in Section II.C of these Protocols) and no later than November 30, 2022. For PTRRs posted subsequent to 2023, the Annual Projected Rate Meeting shall be no earlier than seven (7) business days following the posting of the PTRR (as described in Section II.C of these Protocols) and no later than November 7. No fewer than seven (7) days prior to such Annual Projected Rate Meeting, the SFCs shall provide notice on PJM’s website of the time and date of the Annual Projected Rate Meeting, and shall provide notice of the posting via the e-mail exploder list for the SFCs. The Annual Projected Rate Meeting shall: (i) permit the SFCs to explain and clarify their PTRR and (ii) provide Interested Parties an opportunity to seek information and clarifications from the SFCs about the PTRR.

### **Section III. Information Exchange Procedures**

Each Annual Update and PTRR shall be subject to the following information exchange procedures (“Information Exchange Procedures”):

- A. For the Annual Update posted on June 15, 2022, Interested Parties shall have until January 16, 2023 (unless such period is extended with the written consent of the SFCs or by FERC order) to serve reasonable information and document requests on the SFCs.

For all subsequent Annual Updates, Interested Parties shall have until November 15 following the Annual Update posting date (unless such period is extended with the written consent of the SFCs or by FERC order) to serve a first set of information and document requests on the SFCs pertaining to the Annual Update. Interested parties shall have until January 15 to serve follow-up information and document requests pertaining to the Annual Update (together with the November 15 deadline, the “ATRR Information Exchange Period”), but such requests must be specifically limited to clarification or additional information regarding the SFCs’ responses provided to any sets of information and document requests issued to the SFCs on or before November 15.

Interested Parties shall have until January 15 following the PTRR posting date (unless such period is extended with the written consent of the SFCs or by FERC order) to serve reasonable information and document requests on the SFCs pertaining to the PTRR (“PTRR Information Exchange Period”). If November 15 or January 15 falls on a weekend or a holiday recognized by FERC, the deadline for submitting all information and document requests shall be extended to the next business day. Such information and document requests shall be limited to what is necessary to determine:

1. the extent or effect of an Accounting Change on the inputs to the Formula Rate or the resulting charges under the Formula Rate;
2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
3. the proper application of the Formula Rate and procedures in these Protocols;
4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR or PTRR;
5. the prudence of actual costs and expenditures included in the ATRR or the reasonableness of projected costs and expenditures included in the PTRR;
6. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
7. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

Additionally, in connection with the information exchange procedures, the SFCs agree, if requested, to identify capital expenditures for transmission baseline RTEP projects and supplemental projects on an up to five year forward basis, on a combined or project-specific basis.

The information and document requests shall not be directed to ascertaining whether the Formula Rate is just and reasonable.

- B. The SFCs shall make a good faith effort to respond to any information and document request within fifteen (15) business days of receipt of such request. For the Annual Update posted on June 15, 2022, the SFCs shall respond to all information and document requests by no later than February 25, 2023 unless this date is extended with written consent of the SFCs or by FERC order; for all subsequent Annual Updates, the SFCs shall respond to all information and document requests by no later than February 25 following the Publication Date, unless the ATRR Information Exchange Period or PTRR Information Exchange Period is extended with written consent of the SFCs or by FERC order.
- C. The SFCs shall not claim that responses to information and document requests provided pursuant to these Protocols are subject to any settlement privilege in any proceeding addressing the SFCs' Annual Update or PTRR, and such responses may be included in any Formal Challenge or other submittal addressing the SFCs' Annual Update or PTRR.
- D. The SFCs shall use best efforts to timely notify the proponent of an Information Request if all or any part of an Information Request is unclear or the subject matter is outside the scope of Section III.B. If the parties are unable to resolve any dispute

regarding an information request, the matter may be referred to the FERC Dispute Resolution Service.

#### **Section IV. Challenge Procedures**

- A. Interested Parties shall have until March 31 following the Publication Date (unless such period is extended with the written consent of the SFCs or by FERC order) (“Review Period”), to review the inputs, supporting explanations, allocations and calculations and to notify the SFCs in writing, which may be made electronically, of any specific Preliminary Challenges to the Annual Update or PTRR. If the final day of the Review Period falls on a holiday recognized by FERC, the deadline for submitting all Preliminary Challenges shall be extended to the next business day. An Interested Party may not pursue a Formal Challenge unless it submitted a Preliminary Challenge on some issue (which may be different from the Formal Challenge issue) during the applicable Review Period. Failure to raise an issue in one year’s Formal Challenge shall not bar the lodging of that issue as related to a subsequent Annual Update or PTRR. This Section IV.A in no way shall affect a party’s rights under Federal Power Act (“FPA”) section 206 as set forth in Section IV.I of these Protocols.
- B. Preliminary Challenges shall be subject to the resolution procedures and limitations in this Section IV and shall satisfy all of the following requirements.
  - 1. A party submitting a Preliminary Challenge to the SFCs must specify the inputs, supporting explanations, allocations, calculations, or other information to which it objects, and provide an explanation and documents to support its challenge.
  - 2. The SFCs shall make a good faith effort to respond to any Preliminary Challenge within twenty (20) business days of written receipt of such challenge.
  - 3. The SFCs, and where applicable, PJM, shall appoint a senior representative to work with each party that submitted a Preliminary Challenge (or its representative) toward a resolution of the challenge.
  - 4. If the SFCs disagree with such challenge, they will provide the Interested Party(ies) with a written explanation supporting the inputs, supporting explanations, allocations, calculations, or other information.
  - 5. No Preliminary Challenge may be submitted after March 31, and the SFCs must respond to all Preliminary Challenges by no later than April 30 unless the Review Period is extended with written consent of the SFCs or ordered by FERC, or as provided in Section IV.A above.
  - 6. The SFCs will serve all Preliminary Challenges and their response(s) to such Preliminary Challenges upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such Preliminary Challenges or responses, as needed, under the Protective Agreement and Non-Disclosure Certificate.

C. Formal Challenges shall be subject to the resolution procedures and limitations in this Section IV. Formal Challenges shall be filed pursuant to these Protocols and shall satisfy all of the following requirements.

1. A Formal Challenge shall:

- a. Clearly identify the action or inaction which is alleged to violate the filed Formula Rate or these Protocols;
- b. Explain how the action or inaction violates the filed Formula Rate or these Protocols;
- c. Set forth the business, commercial, economic or other issues presented by the action or inaction as such relate to or affect the party filing the Formal Challenge, including:
  - i. the extent or effect of an Accounting Change;
  - ii. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
  - iii. the proper application of the Formula Rate and procedures in these Protocols;
  - iv. the accuracy of data and consistency with the Formula Rate of the charges shown in the ATRR or PTRR;
  - v. the prudence of actual costs and expenditures;
  - vi. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  - vii. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- d. Make a good faith effort to quantify the financial impact or burden (if any) created for the party filing the Formal Challenge as a result of the challenged action or inaction;
- e. State whether the claim(s) presented are pending in an existing Commission proceeding or a proceeding in any other forum in which the filing party is a party, and if so, provide an explanation why timely resolution cannot be achieved in that forum;
- f. State the specific relief or remedy requested, including any request for stay or extension of time, and the basis for that relief;

- g. Include all documents that support the facts in the Formal Challenge in possession of, or otherwise attainable by, the filing party, including, but not limited to, contracts and affidavits; and
- 2. Service. Any person filing a Formal Challenge must serve a copy of such Formal Challenge on the SFCs. Service to the SFCs must be simultaneous with filing at FERC. Simultaneous service can be accomplished by electronic mail in accordance with 18 C.F.R. § 385.2010, express delivery, or messenger. A party filing a Formal Challenge shall serve the individual listed as the contact person on the SFCs' Informational Filing required under Section VI of these Protocols.
- D. Preliminary and Formal Challenges shall be limited to all issues that may be necessary to determine:
  - 1. the extent or effect of an Accounting Change;
  - 2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols, or includes data not properly recorded in accordance with these Protocols;
  - 3. the proper application of the Formula Rate and procedures in these Protocols;
  - 4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR and PTRR;
  - 5. the prudence of actual costs and expenditures included as inputs to the Formula Rate;
  - 6. the reasonableness of any projection that forms a basis of the PTRR;
  - 7. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  - 8. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- E. Any changes or adjustments to the ATRR and PTRR resulting from the information exchange and Preliminary Challenge processes that are agreed to by the SFCs will be reported in the Informational Filing required pursuant to Section VI of these Protocols. Any such changes or adjustments agreed to by the SFCs on or before December 1 will be reflected in the PTRR for the upcoming Rate Year. Any changes or adjustments agreed to by the SFCs after December 1 will be reflected in the following year's Annual Update, as discussed in Section V of these Protocols.
- F. An Interested Party shall have until June 1 following the Review Period (unless such date is extended with the written consent of the SFCs to continue efforts to resolve the Preliminary Challenge) to make a Formal Challenge with FERC, which shall be served on the SFCs on the date of such filing as specified in Section IV.C.2 above. A Formal

Challenge shall be filed in the same docket as the SFCs' Informational Filing discussed in Section VI of these Protocols. The SFCs shall respond to the Formal Challenge by the deadline established by FERC.

- G. In any proceeding initiated by FERC concerning the Annual Update or PTRR or in response to a Formal Challenge, the SFCs shall bear the burden, consistent with FPA section 205, of proving that they have correctly applied the terms of the Formula Rate consistent with these Protocols, and that they followed the applicable requirements and procedures in the Formula Rate. Nothing herein is intended to alter the burdens applied by FERC with respect to prudence challenges.
- H. Except as specifically provided herein, nothing herein shall be deemed to limit in any way the right of the SFCs to file unilaterally, pursuant to FPA section 205 and the regulations thereunder, to change these Protocols, the Formula Rate, or any of its inputs (including, but not limited to, rate of return and transmission incentive rate treatment), or to replace the Formula Rate with a stated rate, or the right of any other party to request such changes pursuant to FPA section 206.
- I. No Settling Intervenor shall oppose a filing by the Companies under FPA section 205 (i) to change the fixed PBOP calculation in the filed template, (ii) to modify the stated values for amortization and depreciation rates in the filed template, (iii) to reflect nominal changes to the FERC Form 1 reporting requirements (*i.e.*, changes in account descriptions or line numbers that do not reflect changes in the nature or type of costs or expenses recorded therein), or (iv) to seek recovery of prudently-incurred abandoned plant, on the grounds that such filing is an impermissible single-issue rate filing. The SFCs shall not oppose a filing by any Settling Intervenor under FPA section 206 to change the fixed PBOP calculation in the filed template on the grounds that such filing is an impermissible single-issue rate filing. The Parties acknowledge that the Commission is not bound by the provision setting forth the agreement between the Parties on single-issue filings and may at its discretion broaden the scope of the filing related to changes in the fixed PBOP calculation in the filed template.
- J. Any Interested Party seeking changes to the application of the Formula Rate due to a change in the Uniform System of Accounts or FERC Form No. 1 shall first raise the matter with the SFCs in accordance with this Section IV before pursuing a Formal Challenge.

## **Section V. Changes to Actual Transmission Revenue Requirement or Projected Transmission Revenue Requirement**

Except as provided in Section IV.E of these Protocols, any changes to the data inputs, including but not limited to revisions to the SFCs' FERC Form No. 1s, or as the result of any FERC proceeding to consider the ATRR or PTRR, or as a result of the procedures set forth herein, shall be incorporated into the Formula Rate and the charges produced by the Formula Rate in the PTRR for the next Rate Year. This true-up mechanism shall apply in lieu of mid-Rate Year adjustments. Interest on any refund or surcharge shall be calculated in accordance with the procedures outlined in Section VII of these Protocols.

## **Section VI. Informational Filings**

- A. By June 15 of each year, the SFCs shall submit to FERC an informational filing ("Informational Filing") of their PTRR for the Rate Year, including their ATRR and True-up. This Informational Filing must include information that is reasonably necessary to determine:
1. that input data to the Formula Rate are properly recorded in any underlying work papers;
  2. that the SFCs have properly applied the Formula Rate and these Protocols;
  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.

The Informational Filing must also describe any corrections or adjustments made during the period since the Publication Date, and must describe all aspects of the Formula Rate or its inputs that are the subject of an ongoing dispute under the Preliminary Challenge 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 the SFCs and their affiliates by service category or function, including any changes to such cost allocation methodologies from the prior Rate Year, and the reasons and justification for those changes; the magnitude of such costs that have been allocated or directly assigned between the SFCs and each affiliate by service category or function; and a copy of any service agreement between the SFCs and any affiliate that went into effect during the Rate Year.

On the date of submission to FERC, the SFCs shall provide notice of the Informational Filing via the e-mail exploder list for the SFCs and by posting the docket number assigned to the SFCs' Informational Filing on the PJM website, subject to the protection



of any confidential information contained in the Informational Filing, as needed, under the Protective Agreement and Non-Disclosure Certificate.

- B. Any challenges to the implementation of the Formula Rate must be made through the challenge procedures described in Section IV of these Protocols or in a separate complaint proceeding, and not in response to the Informational Filing.

## **Section VII. Calculation of True-up**

The True-up will be determined in the following manner:

- A. As part of the Annual Update for each Rate Year, the SFCs shall determine the difference between the revenues received by the SFCs corresponding to the rate effective period based on the PTRR for the Rate Year (net of the True-up from the prior year) and the ATRR for the same Rate Year based on actual cost data as reflected in their FERC Form No. 1s. The True-up will be determined as follows:
  - 1. The ATRR for the previous Rate Year as determined using the SFCs' completed FERC Form No. 1 reports shall be compared to the revenues received by the SFCs corresponding to the rate effective period based on the PTRR (net of the True-up from the prior year) for that same Rate Year ("True-up Year") to determine any excess or shortfall in the revenues received by the SFCs corresponding to the rate effective period in the True-up Year. The revenue excess or shortfall determined by this comparison shall constitute the "True-up."
  - 2. Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19a. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.
- B. The SFCs will post on PJM's website all information relating to the True-up as part of the Annual Update. As provided in Section II.B of these Protocols, the SFCs shall provide their Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website on or before June 15 of each year subsequent to calendar year 2021.

## **Section VIII. Formula Rate Inputs**

- A. Fixed components to the Formula Rate: For (i) rate of return on common equity; (ii) "Post-Employment Benefits other than Pension" ("PBOP") charges pursuant to Statement of Financial Accounting Standards No. 106, Employers' Accounting for Postretirement Benefits Other Than Pensions; and (iii) depreciation and/or amortization rates, the values in the Formula Rate shall be stated values and may be changed only pursuant to a FPA section 205 or section 206 proceeding. These fixed components are specified in Attachment 9 of the Formula Rate.

- B. Unpopulated Formula Rate line items: With respect to line items in the Formula Rate that are not currently populated with non-zero numerical values because FERC policy requires prior authorization for recovery of the underlying costs or because, due to the nature of the associated functional activities, such costs are not considered part of the SFCs' transmission-related revenue requirement (but not line items that are zero values in a particular Rate Year for the sole reason that no such costs or revenues were incurred or revenues received or projected to be incurred or received during the Rate Year), such line items shall not be populated with non-zero values except as may be authorized following a FPA section 205 or section 206 proceeding.

Attachment B  
Redlined Tariff Sheets

## ATTACHMENT H-11A

### Other Supporting Facilities Charges and Formula Rate — Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company ("South FirstEnergy Operating Companies" or "SFC") for Network Integration Transmission Service

#### Service Below 115 kV in the Allegheny Power Zone (Other Supporting Facilities Charges)

As provided in Attachment H-11, service utilizing facilities at voltages below 138 kV owned by one of the South FirstEnergy Operating Companies to transmit energy to and from a customer within the Allegheny Power Zone will be provided at the rates set forth below ("Other Supporting Facilities Charges").		
Customer/Interconnection Point/Customer Facility	South FirstEnergy Operating Company	Rate
WM Renewable Energy, LLC (Arden Landfill 25kV)	West Penn Power Company	\$2,592.00/mo.
All Dams Generation, LLC (Allegheny River Lock and Dam No. 5)	West Penn Power Company	\$4,320.00/mo.
Harrison Rural Electrification Association, Inc. (Barnetts Run, Chiefton, Dola, Oral Lake, Crystal Lake, Buckhannon, Milford Rd.)	Monongahela Power Company	\$13,047.00/mo.
Thurmont Municipal Light Company (Main Street, Moser Road (Primary) and Moser Road (Back-Up))	The Potomac Edison Company	\$11,529.18/mo.

#### Service At or Above 115 kV in the Allegheny Power Zone by SFC

See attached formula rate.

					Attachment H-11A Summary Page 1 of 1 For the 12 months ended 12/31/2021	
Formula Rate - Non-Levelized						
Line No.	(1)	SFC Summary (2)	(3)	(4)	(5)	
					<u>Total</u>	
1	Net Revenue Requirement with incentive projects - MP	Attachment H-11A, Page 1, Line-810, Col. 5				
2	Net Revenue Requirement with incentive projects - PE	Attachment H-11A, Page 1, Line-810, Col. 5				
3	Net Revenue Requirement with incentive projects - WPP	Attachment H-11A, Page 1, Line-810, Col. 5				
4	TOTAL NET REVENUE REQUIREMENT				\$0.00	
	DIVISOR				<u>Total</u>	
5	1 Coincident Peak (CP) (MW)			(Note A)		
6	Average 12 CPs (MW)			(Note B)		
7	Annual Rate (\$/MW/Yr)	(line 4 / line 5)	Total #DIV/0!			
			Peak Rate Total		Off-Peak Rate Total	
8	Point-to-Point Rate (\$/MW/Year)	(line 4 / line 6)	#DIV/0!		#DIV/0!	
9	Point-to-Point Rate (\$/MW/Month)	(line 8/12)	#DIV/0!		#DIV/0!	
10	Point-to-Point Rate (\$/MW/Week)	(line 8/52)	#DIV/0!		#DIV/0!	
11	Point-to-Point Rate (\$/MW/Day)	(line 10/5; line 10/7)	#DIV/0!		#DIV/0!	
12	Point-to-Point Rate (\$/MWh)	(line 8/4,160; line 8/8,760)	#DIV/0!		#DIV/0!	

Notes

- 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 CP for the AP Zone.
- B Peak as would be reported on page 401, column d of Form 1 at the time of the zonal peak for the twelve-month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent preceding 12-month period at the time of the filing.

Schedule 1A Rate Calculation Summary

			Total
1	Transmission expenses included in OATT Ancillary Services (Attachment H-11A, Page 4, Line 7)		
2	Revenue Credits for Sched 1A - Note A	Attachment 1, Line 2	
3	Net Schedule 1A Expenses (Line 1 - Line 2)	Attachment 1, Line 3	\$ -
4	Annual MWh in AP Zone - Note B	Attachment 1, Line 4	
5	Schedule 1A rate \$/MWh (Line 3/ Line 4)	Attachment 1, Line 5	#DIV/0!

Note:  
A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of AP Zone during the year used to calculate rates under Attachment H-11A  
B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

Transmission Enhancement Charge (TEC) Summary		
Line No.	(1) Project Name	(2) RTEP Project Number
		(3) Net Revenue Requirement with True-up (Note A)

Note A Net Revenue Requirement with True-up is sourced from Attachment 11, Col. 15. PJM to bill each project utilizing the respective Net revenue requirement with true-up on Col. 3

Line No.	Abandoned Plant Summary		
	(1) Project Name (A)	(2) RTEP Project Number	(3) Revenue Requirement (A)
1.00			
1.01			
1.02			
1.03			
1.04			
1.05			
1.06			
1.07			
1.08			
1.09			
1.10			

**Note A** (A) Revenue Requirement is sourced from Attachment 16 Col. R. PJM to bill each project utilizing the respective Revenue Requirement reflected on Col. 3



For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

MON POWER

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line <del>45</del> 38, col 5]				
	REVENUE CREDITS	(Note <del>45</del> 38)	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
5	Section 30.9 credits	(page 4, Line 41)	-	TP 1.00000	-
6	Other Revenue credits	(page 4, Line 42)	-	DA 0.00000	-
<del>57</del>	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	
<del>68</del>	TOTAL REVENUE CREDITS (sum Lines 2- <del>57</del> )				
<del>79</del>	True-up Adjustment with Interest	(Attachment 13, Line <del>28</del> 47) enter negative			-
<del>810</del>	NET REVENUE REQUIREMENT	(Line 1 - Line <del>68</del> + Line <del>79</del> )			-

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data			
		MON POWER			
Line No.	(1)	(2)	(3)	(4)	(5) Transmission (Col 3 times Col 4)
	RATE BASE:	Source	Company Total	Allocator	
	GROSS PLANT IN SERVICE				
1	Production	Attachment 3, Line 14, Col. 1 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000
5	Common	Attachment 3, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000
6	TOTAL GROSS PLANT (sum Lines 1-5)		-	GP=	0.000%
	ACCUMULATED DEPRECIATION				
7	Production	Attachment 4, Line 14, Col. 1 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000
11	Common	Attachment 4, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)		-		
	NET PLANT IN SERVICE				
13	Production	(Line 1- Line 7)	-		
14	Transmission	(Line 2- Line 8)	-		
15	Distribution	(Line 3 - Line 9)	-		
16	General & Intangible	(Line 4 - Line 10)	-		
17	Common	(Line 5 - Line 11)	-		
18	TOTAL NET PLANT (sum Lines 13-17)		-		
	ADJUSTMENTS TO RATE BASE				
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	-	NA	
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	-	DA	1.00000
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	-	DA	1.00000
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	-	DA	1.00000
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	-	DA	1.00000
24	Unfunded Reserve-Plant-related (enter negative)	Attachment 14, Line 6-18, Col. 6-P (Notes C & -YV)	-	DA	1.00000
25	Unfunded Reserve-Labor-related (enter negative)	[This line left intentionally blank]	-	Attachment 14, Line 9, Col. 6 (Notes C & Y)	DA 1.00000
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes X-V & ZW)	-	DA	1.00000
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note -XV)	-	DA	1.00000
28	TOTAL ADJUSTMENTS (sum Lines 19-27)		-		
29	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 34, Col. 4-P) (Notes G) & -Y)	-	TP	0.00000
30	WORKING CAPITAL (Note H)				
31	CWC				
32	Materials & Supplies (Note G)	227.8.e & -16.e (Attachment 14, Line 3, Col. 2-P) (Note -YV)	-	TE	0.00000
33	Prepayments (Account 165)	411.57.e (Attachment 14, Line 32, Col. 3-P) (Notes B & -YV)	-	GPDA	01.00000
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)				
35	RATE BASE (sum Lines 18, 28, 29, & 34)				

Formula Rate – Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		For the 12 months ended 12/31/2021	
		MON POWER			
Line	(1)	(2)	(3)	(4)	(5)
No.	Source	Company Total	Allocator	Transmission	(Col 3 times Col 4)
O&M and A&G					
1	Transmission O&M Expense	321.112.b (Attachment 20, page 1, Line 112)	TE	0.00000	
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		DA	1.00000	
3	Less Account 565	321.96.b (Attachment 20, page 1, Line 96)	DA	1.00000	
4	Less Sub-Transmission O&M	(Company records, Note DD)	DA	1.00000	
5	Less Vegetation Management Surcharge Rider	(Company records, Note CC)	DA	1.00000	
6	A&G Expense	323.197.b (Attachment 20, page 2, Line 197)	W/S	1.00000	
7	Less A&G specific	(Company records, Note BB)	W/S	1.00000	
8	Less FERC Annual Fees		W/S	1.00000	
9	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)		W/S	1.00000	
10	Plus Transmission Related Reg. Comm. Exp. (Note I)		TE	0.00000	
11	Sub-Transmission A&G reduction percent	Line 4 / Line 1	DA	1.00000	#DIV/0!
12	Less Sub-Transmission A&G	Line 11 * (Line 6 minus Line 7)	W/S	1.00000	#DIV/0!
13	PBOP Expense Adjustment in Year	Attachment 6, Line 11 (Note C)	DA	1.00000	
14	Common	356.1	CE	1.00000	
15	Amortization of Regulatory Assets	Attachment 19, Line 2, Col. K	DA	1.00000	
16	TOTAL O&M and A&G (sum Lines 1, 6, 10, 13, 14, 15 less 2, 3, 4, 5, 7, 8, 9, 12)	#DIV/0!			#DIV/0!
DEPRECIATION AND AMORTIZATION EXPENSE					
17	Transmission	336.7.b (Note U)	TP	0.00000	
18	General & Intangible	336.1.f & 336.10.f (Note U)	W/S	1.00000	
19	Sub-Transmission	(Company records, Note DD)	DA	1.00000	
20	Common	336.11.b (Note U)	CE	1.00000	
21	TOTAL DEPRECIATION (sum Lines 17, 18, 20 less 19)				
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR-RELATED					
22	Payroll	263.i (Attachment 7, Line 1z)	W/S	1.00000	
23	Highway and vehicle	263.i (Attachment 7, Line 2z)	W/S	1.00000	
PLANT-RELATED					
24	Property	263.i (Attachment 7, Line 3z)	GP	0.00000	
26	Gross Receipts and Taxes Non-Functionalized to Transmission	263.i (Attachment 7, Line 4z)	NA		
27	Other	263.i (Attachment 7, Line 5z)	GP	0.00000	
28	Payments in lieu of taxes	Attachment 7, Line 6z	GP	0.00000	
29	TOTAL OTHER TAXES (sum Lines 22 – 28)				
INCOME TAXES					
30	T=1 - {(1 - SIT) * (1 - FIT)} / (1 - SIT * FIT * p) =	(Note K)		0.00%	
31	CHT=(T/(1-T)) * (1-(WCLTD/R)) =			#DIV/0!	
where WCLTD=(page 4, Line 31) and R=(page 4, Line 34) and FIT, SIT & p are as given in footnote K.					
32	1 / (1 - T) (from Line 30)				
33	Amortized Investment Tax Credit (266.8.f) (enter negative)				
34	Tax Effect of Permanent Differences and AFUDC Equity	(Notes C & D)			
35	(Excess)/Deficient Deferred Income Taxes	(Attachment 15, Line 12, Col. F) (Notes C & E)			
36	Income Tax Calculation – Line 31 * Line 41		NA		#DIV/0!
37	ITC adjustment (Line 32 * Line 33)		GP	0.00000	
38	Permanent Differences and AFUDC Equity Tax Adjustment (Line 32 * Line 34)		DA	1.00000	
39	(Excess)/Deficient Deferred Income Tax Adjustment (Line 32 * Line 35)		DA	1.00000	
40	Total Income Taxes	sum Lines 36 through 39			#DIV/0!
RETURN					
41	Rate Base (page 2, Line 35) * Rate of Return (page 4, Line 34, col. 6)		NA		#DIV/0!
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
42	(sum Lines 16, 21, 29, 40, 41)				#DIV/0!
43	Plus any increased ROE adder incentive NITS	Attachment 2b, Line 2 (Note AA)			#DIV/0!
44	Plus any increased ROE adder incentive TEC	Attachment 11, Line 4, col 12 (Note AA)			#DIV/0!
GROSS REV. REQUIREMENT					
45	(sum Lines 42, 43, 44)				#DIV/0!



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Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

MON POWER

SUPPORTING CALCULATIONS AND NOTES

Line No.	(1)	(2)	(3)	(4)	(5)	(6)	
1	TRANSMISSION PLANT INCLUDED IN ISO RATES						
2	Total transmission plant (page 2, Line 2, column 3)					-	
3	Less transmission plant excluded from ISO rates (Note <del>-M1</del> )						
4	Less transmission plant included in OATT Ancillary Services (Note <del>N-3M</del> )						
5	Transmission plant included in ISO rates (Line 1 less Lines 2 & 3)					-	
6	Percentage of transmission plant included in ISO Rates (Line 4 divided by Line 1)					0.00000	
7	TRANSMISSION EXPENSES						
8	Total transmission expenses (page 3, Line 1, column 3 Attachment 20, Line 26, Col C)					-	
9	Less transmission expenses included in OATT Ancillary Services (Attachment 20, Line 852 plus Line 863 and Line 874, Col. C) (Note <del>-L-K</del> )						
10	Included transmission expenses (Line 6 less Line 7)					-	
11	Percentage of transmission expenses after adjustment (Line 8 divided by Line 6)					0.00000	
12	Percentage of transmission plant included in ISO Rates (Line 5)					0.00000	
13	Percentage of transmission expenses included in ISO Rates (Line 9 times Line 10)					0.00000	
14	WAGES & SALARY ALLOCATOR (W&S)						
15	Form 1 Reference	\$	TP	Proration (Note <del>-H-E-Z</del> )	Allocation		
16	Production 354.20.b		0.00		-		
17	Transmission 354.21.b		0.00		-	(Note <del>-H-E-Z</del> )	
18	Distribution 354.23.b		0.00		-	W&S Allocator	
19	Other 354.24, 354.25, 354.26.b		0.00		-	(\$ / Allocation)	
20	Total (sum Lines 12-15)		-		-	1.00000	= WS
21	COMMON PLANT ALLOCATOR (CE) (Note <del>-O-N</del> )	\$					
22	Electric 200.3.c				% Electric	W&S Allocator	
23	Gas 201.3.d				(Line 17 / Line 20)	(Line 16, col. 6)	
24	Water 201.3.e				1.00000	1.00000	=
25	Total (sum Lines 17 - 19)		-		*		CE 1.00000
26	ANNUAL ALLOCATION FACTOR CALCULATION (Note A)						
27	Annual Allocation Factor for Income taxes and Return (ROE)	Page 3, Line <del>-4033</del> , Col. 5 / Page 2, Line 14, Col. 5				#DIV/0!	
28	Annual Allocation Factor for Income Taxes	Page 3, Line <del>-4114</del> , Col. 5 / Page 2, Line 14, Col. 5				#DIV/0!	
29	Annual Allocation Factor for Return on Rate Base	Line 22 + Line 23				#DIV/0!	
30	Total Annual Allocation Factor for Income Taxes and Return (ROE)						
31	Annual Allocation Factor for Income taxes and Return (scaled basis points adder)						
32	Annual Allocation Factor for Income Taxes	Attach 2a Line 33 / Page 2, Line 14, Col. 5				#DIV/0!	
33	Annual Allocation Factor for Return on Rate Base	Attach 2a Line 22 / Page 2, Line 14, Col. 5				#DIV/0!	
34	Total Annual Allocation Factor for Income Taxes and Return (scaled basis points adder)	Line 26 + Line 27				#DIV/0!	
35	Additional Annual Allocation Factor for Income Taxes and Return	Line 28 - Line 24				#DIV/0!	
36	RETURN (R)					\$	
37	Preferred Dividends (118.29c) (positive number)					-	
38							
39		\$	%		Cost	Weighted	
40	Long Term Debt (112.3418.21.c) (Attachment 8, Line 14, Col. 9) (Note <del>-X-BB</del> )	-	0%		(Note <del>-R-Q</del> )	#DIV/0!	=WCLTD
41	Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 3) (Note <del>-X-BB</del> )	-	0%		0.0000	0.0000	
42	Common Stock Attachment 8, Line 14, Col. 8) (Note <del>-X-BB</del> )	-	0%		0.44351045	0.0000	
43	Total (sum Lines 31-33)	-				#DIV/0!	=R
44	REVENUE CREDITS (Note AA)						
45	ACCOUNT 447 (SALES FOR RESALE)	FERC Form No. 1, (310-311)	(Note <del>-Q-P</del> )				
46	a. Bundled Non-RQ Sales for Resale (311.x.h)						
47	b. Bundled Sales for Resale						
48	Total of (a)-(b)					-	
49	ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note <del>-S-R</del> )	FERC Form No. 1, (300.17.b)					
50	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note <del>-R-Q</del> )	FERC Form No. 1, (300.19.b)					
51	ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note <del>-V-L</del> )	FERC Form No. 1, (330.x.n)					
52	40 a Firm Point-to-Point						
53	40 b Other						
54	SECTION 30.9 CREDITS						
55							
56	42 OTHER REVENUE CREDITS						

42a	Labor Related Revenues	W&S	1.00000	-
42b	Plant Related Revenues	GP	0.00000	-
42c	Transmission Related Revenues	TP	0.00000	-
42d	Other	DA	1.00000	-


Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

## MON POWER

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	Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points added to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.
B	Prepayments shall exclude prepayments of income taxes.
C	Transmission-related only
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. <u>Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.</u>
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.
F	The balances in accounts 190, 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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	<u>Cash Working Capital assigned to transmission is one-eighth of O&amp;M allocated to transmission at page 3, Line 16, column 5 minus amortization of regulatory assets (page 3, Line 15, col. 5). Prepayments are the electric-related prepayments booked to Account No. 165 and reported on Page 111, Line 57 in the Form 1. As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&amp;M and A&amp;G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital -base.</u>
I	<u>Line 9 – 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 10 – Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.</u>
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 and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula <del>Template, since Template since</del> 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 <del>322</del> 5).
	Inputs Required:
	FIT = 0.00%
	SIT = 0.00% (State Income Tax Rate or Composite SIT)
	p = (percent of federal income tax deductible for state purposes)
L	Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.BA., and related to generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
M	Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
N	Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
O	Enter dollar amounts
P	Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). <u>ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.</u>
Q	Page 4, Line 37 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 2-46 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 57 is supported by its own reference.
U	Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. <u>FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.</u>
V	On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects, <u>unless provisions per settlement agreement section 2.23 requires inclusion.</u>
W	<u>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.</u>
X	Calculate using a 13-month average balance.
Y	<u>Calculate using average of beginning and end of year balance.</u>
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 a ROE incentive adder.
BB	<u>A&amp;G adjustment to address specific assignment to distribution or transmission</u>
CC	<u>Vegetation Management Surcharge rider specific to West Virginia</u>
DD	Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts
EE	To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
FF	<u>The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate template in the same manner as the underlying associated plant assets or expenses that generate the credits.</u>
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56%

Actual equity capitalization: 0.0% Equity Cap Not Triggered





**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Attachment H -11A, Attach  
pag  
For the 12 months ended 12/3

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.11350.1045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

	Income Tax Rates			
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - (\text{WCLTD} / \text{R})) =$	Calculated	#DIV/0!	
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3		-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
33	Total Income Taxes	Sum lines 29 to 32		#DIV/0!

Return and Taxes

34	Return and Income taxes with ROE	(Line 22 + Line 33)	#DIV/0!
35	Return with ROE	Attachment H-11A, Page 3, Line 41, Col. 5	#DIV/0!



Incentive ROE Calculation

Attachment H -11A, Attachment 2a  
page 1 of 1  
For the 12 months ended 12/31/2021

Return Calculation				Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!	
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0	
	Common Stock				
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0	
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0	
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0	
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0	
7	Common Stock		Attachment 8, Line 14, Col. 8	0	
	Capitalization				
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0	
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0	
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0	
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0	
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%	
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%	
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%	
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!	
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000	
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (Note A)	0.1235145	
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!	
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000	
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000	
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!	
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!	
Income Taxes					
	Income Tax Rates				
23	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$		Attachment H-11A, page 3, Line 30, Col. 3	0.00%	
24	$\text{CIT}=(T/(1-T)) * (1-(\text{WCLTD}/\text{R})) =$		Calculated	#DIV/0!	
25	$1 / (1 - T)$		Attachment H-11A, page 3, Line 32, Col. 3	-	
26	Amortized Investment Tax Credit (266.8.f) (enter negative)		Attachment H-11A, page 3, Line 33, Col. 3	-	
27	Tax Effect of Permanent Differences and AFUDC Equity		Attachment H-11A, page 3, Line 34, Col. 3	-	
28	(Excess)/Deficient Deferred Income Taxes		Attachment H-11A, page 3, Line 35, Col. 3	-	
29	Income Tax Calculation		(line 22 * line 24)	#DIV/0!	
30	ITC adjustment		Attachment H-11A, page 3, Line 37, Col. 5	-	
31	Permanent Differences and AFUDC Equity Tax Adjustment		Attachment H-11A, page 3, Line 38, Col. 5	-	
32	(Excess)/Deficient Deferred Income Tax Adjustment		Attachment H-11A, page 3, Line 39, Col. 5	-	
33	Total Income Taxes		Sum lines 29 to 32	#DIV/0!	
Incremental Return and Taxes					
34	Return and Income taxes with scaled basis pts adder		(Line 22 + Line 33)	#DIV/0!	
35	Return with incentive adder		Line 22	#DIV/0!	

36	Income Tax with incentive adder	Line 33	#DIV/0!
37	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!
38	Rate Base	Line 1	#DIV/0!
39	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!

Notes:

[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

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			Incentive ROE NITS Worksheet Support Net Plant Detail												Attachment H-11A, Attachment 2b page 1 of 2 For the 12 months ended 12/31/2021
	(Note A)	(Note B)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)	(Note C)
1a		#DIV/0!													
1b		#DIV/0!													
1c		#DIV/0!													
1d		#DIV/0!													
1e		#DIV/0!													
1f		#DIV/0!													

2  
NOTE

Subtotal

[A] Utilize only in the instance there exists Commission approved ROE incentive projects

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

[C] Company records





			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			Production	Transmission	Distribution	Intangible	General	Common		Total	
15	December	2020	[B] 205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1		-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average									-	
			Production	Transmission	Distribution	Intangible	General	Common			
29	December	2020	[B] 205.44.g	207.57.g	207.74.g	company records	207.98.g	company records			
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average										

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	-
		[B]	Production	Transmission	Distribution	Intangible	General	Common		Total	
15	December	2020	219.20-24.c	219.25.c	219.26.c	200.21.c	219.28.c	356.1		-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average		-	-	-	-	-	-	-	-	-
		[B]	Production	Transmission	Distribution	Intangible	General	Common			
29	December	2020	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Taken to Attachment H-11A, 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  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission



				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
					ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)				
2	December 31	12/31/2021	[G]	Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total
				-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5C, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.

Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant &	Total
		Ending	Labor Related	Transmission
		(Note F)	Allocated to	Ending
			Transmission	(col. 2 + col. 3)
				(Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line		Summary of Transmission ADIT (Prior to adjusted items)				
		A	B	C	D	E
		End Plant	End Labor	Plant & Labor	Gross Plant	Wages & Salary
		Related	Related	Subtotal	Allocator	Allocator
		(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)
1	ADIT- 282 From Account Total Below	-	-	-	0.00%	100.00%
2	ADIT-283 From Account Total Below	-	-	-	0.00%	100.00%
3	ADIT-190 From Account Total Below	-	-	-	0.00%	100.00%
4	ADIT-281 From Account Total Below	-	-	-	0.00%	100.00%
5	ADIT-255 From Account Total Below	-	-	-	0.00%	100.00%
6	Subtotal	-	-	-	-	-

- Notes
- A From column F (beginning on page 2)
- B From column G (beginning on page 2)
- C Refers to Attachment H-11A, page 2, line 6, col. 4
- D Refers to Attachment H-11A, page 4, line 16, col.6
- E Total Transmission Ending taken to Attachment 5, line 2
- F From column E (beginning on page 2) by account

							Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
----------	---	---	---	---	---	---	--

Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-283	End of Year Balance p277.19.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal

- - - - -

**Instructions for Account 283:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



							Attachment H-11A, Attachment 5a page 6 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 255:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

Line	2021 Quarterly Activity and Balances									
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
				0		0		0		0
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		0	0		0		0		0	
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
				0		0		0		0
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		0	0		0		0		0	
5	PTRR	Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
				0		0		0		0
6	PTRR	Beginning 283 Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
		0	0		0		0		0	
2021 PTRR										
				</						

Notes:  
1. Attachment 5b will only be populated within the PTRR



Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	

Attachment H-11A, Attachment 5c  
page 2 of 2

For the 12 months ended 12/31/2021

2021 PTRR								
		A	B	C	D	E	F	G
				Page 1, row 3,7,11				Line 1= A-E-F
			Page 1, B+D+F+H	Column A+B+D+F+H	A-C		D-E	Lines 2-3= -A+E+F
		Estimated Ending Balance (Before		Prorated Ending	Estimated End (Before	Sum of end ADIT		Ending ADIT
Line	Account	Adjustments)	Projected Activity	Balance	Adjustments)	Adjustments	Normalization	Balance Included in
1	PTRR Total Account 190		0	0				
2	PTRR Total Account 282		0	0				
3	PTRR Total Account 283		0	0				
4	PTRR Total ADIT Subject to Normalization							

2021 ATRR											
			H	I	J	K	L	M	N	O	P
					Page 1, row 4,8,12 column						Line 5= H-M-O
				Page 1, B+D+F+H	A+B+D+F+H	H-J	D-K		E-M	K+L-M-N	6-7= -H+M+O
Account			Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance	Prorated - Actual End (Before Adjustments)	Prorated Activity Not Projected	Sum of end ADIT Adjustments	ADIT Adjustments not projected	Normalization	Ending ADIT Balance Included in Formula Rate
5	ATRR	Total Account 190		0	0						
6	ATRR	Total Account 282		0	0						
7	ATRR	Total Account 283		0	0						
8	ATRR	Total ADIT Subject to Normalization									

Notes:-

1. Attachment 5c will only be populated within the ATRR.

Attachment H -11A, Attach

pag

For the 12 months ended 12/31/2021

2021 PTRR								
		A	B	C	D	E	F	G
			Page 1, B+D+F+H	Page 1, row 3,7,11 Column A+B+D+F+H	A-C		D-E	Line 1= A-E-F
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
Line	Account							
1	PTRR Total Account 190		0	0	-		-	-
2	PTRR Total Account 282		0	0	-		-	-
3	PTRR Total Account 283		0	0	-		-	-
4	PTRR Total ADIT Subject to Normalization	-	-	-	-	-	-	-

2021 ATRR

			H Attachment 5 - ADIT Summary, Line 2	I Page 1, B+D+F+H	J Page 1, row 4.8.12, column A+B+D+F+H	K H-J Prorated - Actual End. (Before Adjustments)	L D-K Prorated Activity, Not Projected	M Attachment 5-ADIT Summary, Lines 3, 4, and 5	N E-M ADIT Adjustments not projected	O K+L-M-N Normalization	P Line 5= H-M-O H+M+O	Lines
	Account		Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance	Prorated - Actual End. (Before Adjustments)	Prorated Activity, Not Projected	Sum of end ADIT Adjustments			Ending ADIT Balance Included in Formul	
5	ATRR	Total Account 190	-	0	0	-	-	-	-	-	-	
6	ATRR	Total Account 282	-	0	0	-	-	-	-	-	-	
7	ATRR	Total Account 283	-	0	0	-	-	-	-	-	-	
8	ATRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-	

Notes:

1. Attachment 5c will only be populated within the ATRR



1	<b><u>Calculation of PBOP Expenses</u></b>		
2			
3	Total FirstEnergy PBOP expenses	<b>Amount</b>	<b>Source</b>
4	Labor dollars (FirstEnergy)	-\$15,646,300	FirstEnergy 2019 Actuarial Study
5	cost per labor dollar (line 3 / line 4)	\$2,161,999,525	FirstEnergy 2019 Actual: Company Records
6	labor (labor not capitalized) current year, transmission only	-\$0.0072	
7	PBOP Expense for current year (line 5 * line 6)		MON POWER Labor: Company Records
8	PBOP expense in Account 926 for current year, total company		
9	W&S Labor Allocator	100.000%	MON POWER Account 926: Company Records
10	Allocated Transmission PBOP (line 8 * line 9)	-	
11	PBOP Adjustment for Attachment H-11A, page 3, line 436 (line 7 - line 10)	-	
12	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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission

			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [B] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average			-	-	-	-	-	-	-	-

Notes:

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

[B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000

[C] Renaissance issued securitized debt in 2007 and the proceeds were distributed up to Mon Power in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.

Attachment H -11A, Attachment 8  
page 1 of 1  
For the 12 months ended 12/31/2021

**Formula Rate Protocols  
Section VIII.A**

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

SFC's ROE is set to: 11.35%

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

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

Total FirstEnergy PBOP expenses \$15,646,300  
Labor dollars (FirstEnergy) \$2,161,099,626  
cost per labor dollar \$0.0072

**3. Depreciation Rates (1)**

FERC Account	MP Depr % (WV)
350.2	
352	2.40%
353.1	1.94%
353.4	9.50%
354	1.42%
355	2.34%
356.1	2.70%
356.2	0.95%
390.1 (2)	1.56% to 6.83%
390.2 (2)	.08% to 14.29%
391.1	4.19%
391.2	10.91%
391.3	6.03%
391.4	20.00%
392.1	11.43%
392.2	6.96%
392.3	1.12%
392.4	4.44%
392.5	20.39%
392.6	6.33%
393	5.34%
394	3.84%
395	3.23%
396	4.17%
397	6.88%
398	4.89%

Note: (1) Account 303 amortization period is 7 years.

(2) Accounts 390.1 and 390.2 contain asset-specific depreciation rates; these rates are within the range listed

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## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
					Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z* ((col e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Effective Cost Rate (Table 2, Col. <del>Hkk</del> )	Weighted Debt Cost at t = N (h) * (i)
	t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. <del>hhgg</del> )					

Long Term Debt Cost 12/31/2021

at Year Ended:

First Mortgage Bonds:

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hhgg)	(ihh)	(jii)	(kkj)	(Hkk)
	Issue	Maturity	Amount	(Discount)	Issuance	Loss/Gain on	Less Related	Net	Net	Coupon	Annual	Effective Cost Rate*
<u>Long Term Debt</u> <u>Issuances</u>	Date	Date	Issued	Premium at Issuance	Expense	Reacquired Debt	ADFF	Proceeds (col. cc + col. dd - col. ee - col. ff)	Proceeds Ratio (col. <del>hh-gg</del> / col. cc) *100)	Rate	Interest	(Yield to Maturity at Issuance, t = 0)
	Affiliate											(col. cc *col. <del>jii</del> )

- (1)
- (2)
- (3)
- (4)
- (5)

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}$ ,  $C_{t=2}$ , etc.).

The diagram illustrates a sequence of operations on a stack. The stack initially contains elements 1, 2, 3, 4, 5. Operation 1 (push) adds element 6. Operation 2 (pop) removes element 6. Operation 3 (pop) removes element 5. Operation 4 (pop) removes element 4. Operation 5 (pop) removes element 3. Operation 6 (pop) removes element 2. Operation 7 (pop) removes element 1. The stack is empty after operation 7.

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-11A

Line No.	(1)  Reference	(2)  Transmission	(3)  Allocator	(4)
1	Gross Transmission Plant - Total	Attach. H-11A, p. 2, line 2, col. 5 (Note A)		
2	Net Transmission Plant - Total	Attach. H-11A, p. 2, line 14, col. 5 (Note B)		
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach. H-11A, p. 3, line <del>469</del> , col. 5		
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)		
	GENERAL, INTANGIBLE, AND COMMON (G,I, & C) DEPRECIATION EXPENSE			
5	Total G, I, & C depreciation expense	Attach. H-11A, p. 3, lines <del>181</del> & <del>2013</del> , col. 5		
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)		
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach. H-11A, p. 3, line <del>292</del> , col. 5		
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)		
<b>9</b>	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>		
	INCOME TAXES			
10	Total Income Taxes	Attach. H-11A, p. 3, line <del>4033</del> , col. 5		
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)		
	RETURN			
12	Return on Rate Base	Attach. H-11A, p. 3, line <del>344</del> , col. 5		
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col. 3)		
<b>14</b>	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		



					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant  (Note C & H)	Annual Allocation Factor for Expense (Page 1, line 9)	Annual Expense Charge (Col. 3 * Col. 4)	Project Net Plant (Note D & H)	Factor for Return (Page 1, line 14)	Return Charge (Col. 6 * Col. 7)	Depreciation Expense (Note E)	Revenue Requirement (Sum Col. 5, & 9)	Incentive Projects (Note F)	Factor for Return (Note F) Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	Require ment (Sum Col. 10 & 12)	True-up Adjustment (Note G)	with True-up (Sum Col. 13 & 14)
1															

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line-57, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line-4437, Col. 3

#### Notes

A —Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 170.

F —Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder

G True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

				Attachment H-11A, Attachment 11a												
				page 1 of 2												
				For the 12 months ended 12/31/2021												
TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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

TEC Worksheet Support															
Net Plant Detail															
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)	
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)		

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 Attachment 11	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)
			Attachment 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b	Project <del>1</del> 2				-	-		-		
2c	Project 3				-	-		-		
3	Subtotal			-			-	-		
4	Total Interest (Sourced from Attachment 13a, line <del>30</del> 46)									-

**NOTE**

~~E-~~

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

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[a] Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 U.S.C. § 351.94 and published on the FERC website. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.

[b] The ATRR is used to compare against the billed revenue in the true-up calculation. This calculation excludes prior year true-up amounts.

[c] The goal is to determine the value to input in Col. (D), Line 28 such that the value in Col. (D), line 41 becomes zero. For example, using Excel's Goal Seek function, the goal would be to set Excel cell G64 to 0 by changing only Excel cell G48.



FEC Reconciliation Revenue Requirement For Year 20XX Available June 15, 20XX		FEC 20XX Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 20XX		True-up Adjustment Over (Under) Recovery	
1	\$0	-	\$0	=	\$0
			Over (Under) Recovery Plus		Surcharge (Refund)
			Interest	Average Monthly	Months
			Calculated Interest	Amortization	Owed
2	Interest Rate on Amount of Refunds or Surcharges [A]		0.0000%		
An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX					
Calculation of Interest				Monthly	
3	January	Year 2019	-	0.0000%	-
4	February	Year 2019	-	0.0000%	-
5	March	Year 2019	-	0.0000%	-
6	April	Year 2019	-	0.0000%	-
7	May	Year 2019	-	0.0000%	-
8	June	Year 2019	-	0.0000%	-
9	July	Year 2019	-	0.0000%	-
10	August	Year 2019	-	0.0000%	-
11	September	Year 2019	-	0.0000%	-
12	October	Year 2019	-	0.0000%	-
13	November	Year 2019	-	0.0000%	-
14	December	Year 2019	-	0.0000%	-
		Annual - Compounded Monthly			
15	January through December	Year 2020	-	0.0000%	12
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly	
16	January	Year 2021	-	0.0000%	-
17	February	Year 2021	-	0.0000%	-
18	March	Year 2021	-	0.0000%	-
19	April	Year 2021	-	0.0000%	-
20	May	Year 2021	-	0.0000%	-
21	June	Year 2021	-	0.0000%	-
22	July	Year 2021	-	0.0000%	-
23	August	Year 2021	-	0.0000%	-
24	September	Year 2021	-	0.0000%	-
25	October	Year 2021	-	0.0000%	-
26	November	Year 2021	-	0.0000%	-
27	December	Year 2021	-	0.0000%	-
28	True Up with Interest				\$
29	Less Over (Under) Recovery				\$
30	Total Interest				\$

[A] Interest rate equal to the interest rate determined by 18 C.F.R. 35.19.



Line	(A) Month	(B) PJM Bill NITS Charge Code (A)	(C) True-up (B)	(D) Other (C)	(E) Total
1	January	-			-
2	February	-			-
3	March	-			-
4	April	-			-
5	May	-			-
6	June	-			-
7	July	-			-
8	August	-			-
9	September	-			-
10	October	-			-
11	November	-			-
12	December	-			-
13	Total	-	-	-	-
	Month	PJM Bill TEC Charge Code (A)	True-up (B)	Other (C)	Total
14	January	-			-
15	February	-			-
16	March	-			-
17	April	-			-
18	May	-			-
19	June	-			-
20	July	-			-
21	August	-			-
22	September	-			-
23	October	-			-
24	November	-			-
25	December	-			-
26	Total	-	-	-	-

**Notes**

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone

(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.

(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.

### ~~Other Rate Base Items~~

		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)		Total	
	[A]	214.x.d	227.8.e & .16.e	111.57.e[B]			
1- December 31	2020						
2- December 31	2021						
3- Begin/End Average							
		<b>Unfunded Reserve – Plant Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
4- December 31	2020						
5- December 31	2021						
6- Begin/End Average							
		<b>Unfunded Reserve – Labor Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
7- December 31	2020						
8- December 31	2021						
9- Begin/End Average							

Notes:

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

~~[B] Prepayments shall exclude prepayments of income taxes.~~

~~[C] Includes transmission-related balance only~~

[illegible]



		Excess and Deficient ADIT						
		Income Tax Adjust						
COLUMN A		COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H
Line No.	Description	(Excess)/Deficient ADIT Transmission—Beg Balance of Year (Note B)	Current Period Other Activity (Note C)	Amortization Period (Note D)	Years Remaining at Year End	Amortization (Note E)	(Excess)/Deficient ADIT Transmission—Ending Balance of Year	Protected (P)–Non-Protected (N)
Non-property (Note A):								
1	Account 190							
1a							-	
1b							-	
2	Account 282							
2a							-	
2	Account 283							
2a							-	
3b							-	
3c							-	
3d							-	
4	Non-property gross-up for Taxes						-	
5	Total Non-Property							
Line No.	Description	(Excess)/Deficient ADIT Transmission—Beginning Balance of Year (Note B)	Current Period Other Activity (Note C)	Amortization Period (Note D)	Years Remaining at Year End			
Property (Note A):								
6	Property Book-Tax Timing Difference—Account 190			ARAM	ARAM		-	
7	Property Book-Tax Timing Difference—Account 282			ARAM	ARAM		-	
8	Property Book-Tax Timing Difference—Account 283			ARAM	ARAM		-	
9	Property Gross-up for Taxes						-	
10	Total Property (Total of lines 6 thru 9)							
11	Amortized Excess/Deficient ADITs (Note C)							
12	Total Non-Property & Property Amortization, excluding gross-up for taxes (Total of lines 1, 3, 6-8 and 11) (Note G)							

Notes:

- A Upon a tax rate change (federal, state and/or, if applicable, state apportionments), the Company remeasures its deferred tax assets and liabilities to account for the new applicable corporate tax rate. For schedule M items not directly taken to the P&L, the result of this remeasurement is a change to the net deferred tax assets/liabilities recorded in accounts 190, 282, and 283 with a corresponding change in regulatory assets (account 182.3) and regulatory liabilities (account 254) to reflect the return of/collection from excess/deficient deferred taxes to/from customers. The remeasurement is effectuated within PowerTax and Tax Provision, which maintain both the timing difference and APB11 deferred tax balance (the historical ADIT based on the timing difference and the rate in effect when the timing difference occurred). The difference in the two results is reclassified from ADIT to regulatory assets/liabilities for deficient/excess ADIT. Within the FERC Form 1, deficient and excess ADITs in Account 182.3 and Account 254, respectively are presented grossed-up for tax purposes. For ratemaking purposes, these grossed-up balances are treated as FAS109 and subsequently removed from rate base, thereby ensuring rate base neutrality for tax rate changes. The Company would follow the process described above to remeasure ADIT balances (increase or decrease) due to any future income tax rate change.
- B Beginning balance of year is the end of the prior year balance as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)
- C In the event the Company populates the data enterable fields, it will support the data entered as just and reasonable in its annual update
- D The amortization periods shall be consistent with the following:  
Protected Property & Non-Protected Property: ARAM, or directly assigned based on average remaining life of assets for property items not in PowerTax  
Protected Non-Property & Non-Protected Non-Property will be directly assigned and presented in the table above
- E The amortization of the tax reg asset/liability will occur through FERC income statement Accounts 410.1 and 411.1 for property and 410.1 for non-property
- F Ending balance of year is the end of current year balance, as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)
- G The amortization gross-up for taxes occurs on Attachment H-11A, page 3, line 39, Col-3



~~Abandoned Plant~~

1.00		
1.01		
1.02		
1.03		
1.04		
1.05		
1.06		
1.07		
1.08		
1.09		
1.10		
2	Total	

**Notes**

- (A) Only projects approved by the commission will be included
- (B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the beginning amount will be the ending balance from the previous year
- (C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends
- (D) Average calculated as [Sum of Columns (B) through (N)] ÷ 13
- (E) Column O \* Attachment H-11A, page 4, line 34, col. 6
- (F) Column P \* Attachment H-11A, page 3, line ~~31~~24, col 3
- (G) Column A + Column P + Column Q
- (H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement



		Construction Work in Progress														
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															
2b	[Placeholder 2]															
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

- (a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.
- (b) CWIP will not be included unless authorized by the Commission

~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate

~~(entered on Attachment H-11A, page~~  
5 of 5, Note ~~K~~J)

**State Income Tax Rate**

~~Combined Rate~~

~~(entered on Attachment H-11A,~~  
page 5 of 5, Note ~~K~~J)

Nominal State Income Tax Rate

Times Apportionment Percentage

Combined State Income Tax Rate

## Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
								Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	2020  Dec31	2021  Jan 31	2021  Feb 28/29	2021  Mar 31	2021  Apr 30	2021  May 31	2021  June 30	2021  July 31	2021  August 31	2021  Sept 30	2021  Oct 31	2021  Nov 30	2021  Dec 31	
Line No.	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period																		Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total										-														

### Notes

(A) Only Regulatory Assets approved by the commission will be included

(B) Regulatory asset references to be noted based on FERC Page. Row. Col.#

(C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year

(D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends

(E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line ~~158~~, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line ~~158~~, Col.3 will be 0

(F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0

Operation and Maintenance Expenses

FF1-

Page-

321 Account

Line Reference

No. Description Account Balance [A]

82 *Operation*

83 560 Operation Supervision and Engineering

84

85 561.1 Load Dispatch Reliability

86 561.2 Load Dispatch Monitor and Operate Transmission System

87 561.3 Load Dispatch Transmission Service and Scheduling

88 561.4 Scheduling, System Control and Dispatch Services

89 561.5 Reliability, Planning and Standards Development

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

94 563 Overhead Lines Expense

95 564 Underground Lines Expense

96 565 Transmission of Electricity by Others

97 566 Miscellaneous Transmission Expense

98 567 Rents

99 TOTAL Operation (Enter Total of Lines 83 thru 98) \$0

100 *Maintenance*

101 568 Maintenance Supervision and Engineering

102 569 Maintenance of Structures

103 569.1 Maintenance of Computer Hardware

104 569.2 Maintenance of Computer Software

105 569.3 Maintenance of Communication Equipment

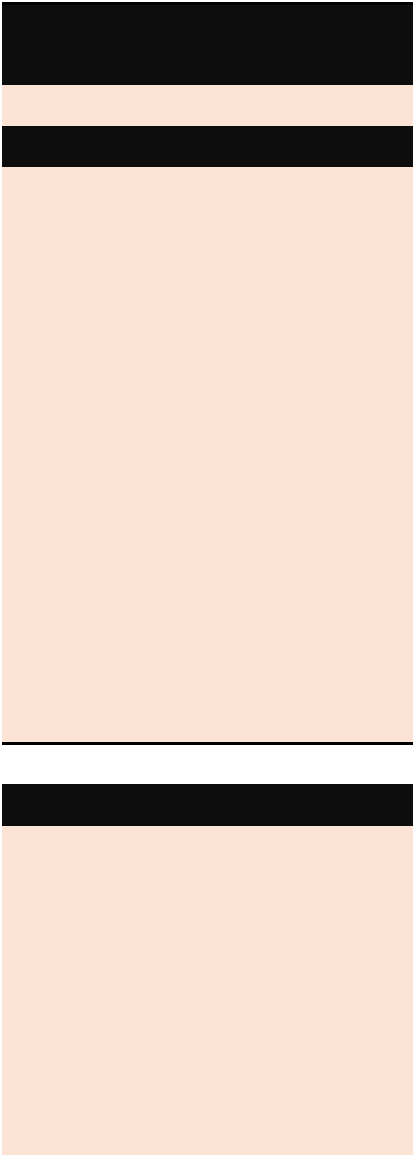
106 569.4 Maintenance of Miscellaneous Regional Transmission Plant

107 570 Maintenance of Station Equipment

108 571 Maintenance of Overhead Lines

109 572 Maintenance of Underground Lines

110 573 Maintenance of Miscellaneous Transmission Plant



Administrative and General (A&G) Expenses

<del>1-</del>	<del>Account</del>	<del>Reference</del>	<del>Description</del>	<del>Account Balance [B]</del>
<del>0</del>			<i>Operation</i>	
<del>1</del>	<del>920</del>		<del>Administrative and General Salaries</del>	
<del>2</del>	<del>921</del>		<del>Office Supplies and Expenses</del>	
<del>3</del>	<del>Less 922</del>		<del>Administrative Expenses Transferred - Credit</del>	
<del>4</del>	<del>923</del>		<del>Outside Services Employed</del>	
<del>5</del>	<del>924</del>		<del>Property Insurance</del>	
<del>6</del>	<del>925</del>		<del>Injuries and Damages</del>	
<del>7</del>	<del>926</del>		<del>Employee Pensions and Benefits</del>	
<del>8</del>	<del>927</del>		<del>Franchise Requirements</del>	
<del>9</del>	<del>928</del>		<del>Regulatory Commission Expense</del>	
<del>0</del>	<del>Less 929</del>		<del>(Less) Duplicate Charges Cr.</del>	
<del>1</del>	<del>930.1</del>		<del>General Advertising Expenses</del>	
<del>2</del>	<del>930.2</del>		<del>Miscellaneous General Expenses</del>	
<del>3</del>	<del>931</del>		<del>Rents</del>	
<del>4</del>			<del>Total Operation (Enter Total of lines 181 thru 193)</del>	<del>\$0</del>
<del>5</del>			<i>Maintenance</i>	
<del>6</del>	<del>935</del>		<del>Maintenance of General Plant</del>	
<del>7</del>			<del>TOTAL A&amp;G Expenses (Total of lines 194 and 196)</del>	<del>\$0</del>

~~8~~

~~December balances as would be reported in FERC Form 1~~





Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data			
		<del>POTOMAC EDISON</del>			
Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line <del>4538</del> , col 5]				
	REVENUE CREDITS	(Note: <del>-TS</del> )	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
<del>5</del>	<del>Section 30.9 credits</del>	<del>(page 4, Line 41)</del>	<del>-</del>	<del>TP 1.00000</del>	<del>-</del>
<del>6</del>	<del>Other Revenue Credits</del>	<del>(page 4, Line 42)</del>		<del>DA 0.00000</del>	
<del>57</del>	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	
<del>68</del>	TOTAL REVENUE CREDITS (sum Lines 2- <del>57</del> )				
<del>79</del>	True-up Adjustment with Interest	(Attachment 13, Line <del>2847</del> ) enter negative			-
<del>108</del>	NET REVENUE REQUIREMENT	(Line 1 - Line <del>68</del> + Line <del>79</del> )			

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		For the 12 months ended 12/31	
		POTOMAC EDISON			
(1)		(2)	(3)	(4)	(5)
Line No.	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 <del>U-T</del> & <del>XV</del> )	-	NA	-
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	-
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000
5	Common	Attachment 3, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000
6	TOTAL GROSS PLANT (sum Lines 1-5)	-	GP=	0.000%	-
ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. 1 (Notes <del>U-T</del> & <del>XIV</del> )	-	NA	-
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA	-
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000
11	Common	Attachment 4, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)	-			-
NET PLANT IN SERVICE					
13	Production	(Line 1 - Line 7)	-		
14	Transmission	(Line 2 - Line 8)	-		-
15	Distribution	(Line 3 - Line 9)	-		
16	General & Intangible	(Line 4 - Line 10)	-		-
17	Common	(Line 5 - Line 11)	-		-
18	TOTAL NET PLANT (sum Lines 13-17)	-			-
ADJUSTMENTS TO RATE BASE					
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	-	NA	
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	-	DA	1.00000
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	-	DA	1.00000
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	-	DA	1.00000
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	-	DA	1.00000
24	Unfunded Reserves-Plant-related (enter negative)	Attachment 14, Line 618, Col. 6 (Notes C & -YV)	-	DA	1.00000
25	Unfunded Reserve-Labor-related (enter negative) [This line left intentionally blank]		-	Attachment 14, Line 9, Col. 6 (Notes C & Y)	DA 1.00000
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes X-Y & ZW)	-	DA	1.00000
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note -XV)	-	DA	1.00000
28	TOTAL ADJUSTMENTS (sum Lines 19-27)	-			-
29	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 34, Col. 4P) (Notes G & -Y)	-	TP	0.00000
30	WORKING CAPITAL (Note H)				
31	CWC		-	DA	1.00000
32	Materials & Supplies (Note G)	227.8.e & -16.e (Attachment 14, Line 3, Col. 2) (Note -YV)	-	TE	0.00000
33	Prepayments (Account 165)	111.57.e (Attachment 14, Line 32, Col. 3P) (Notes B & -YV)	-	GPDA	01.00000
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)		-		-
35	RATE BASE (sum Lines 18, 28, 29, & 34)				

Formula Rate – Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data			For the 12 months ended 12/31/2021	
		POTOMAC EDISON				
Line	(1)	(2)	(3)	(4)	(5)	
No.	Source		Company Total	Allocator	Transmission (Col 3 times Col 4)	
	O&M and A&G					
1	Transmission O&M Expense	321.112.b (Attachment 20, page 1, Line 112)	-	TE	0.00000	
2	Less LSE Expenses Included in Transmission O&M Accounts (Note W)		-	DA	1.00000	
3	Less Account 565	321.96.b (Attachment 20, page 1, Line 96)	-	DA	1.00000	
4	Less Sub-Transmission O&M	(Company records, Note DD)	-	DA	1.00000	
5	Less Vegetation Management Surcharge Rider	(Company records, Note CC)	-	DA	1.00000	
6	A&G Expense	323.197.b (Attachment 20, page 2, Line 197)	-	W/S	1.00000	
7	Less A&G-specific	(Company records, Note BB)	-	W/S	1.00000	
8	Less FERC Annual Fees		-	W/S	1.00000	
9	Less EPRI & Reg. Comm. Exp. & Non-safety Ad- (Note I)		-	W/S	1.00000	
10	Plus Transmission-Related Reg. Comm. Exp- (Note I)			TE	0.00000	
11	Sub-Transmission A&G reduction percent	Line 4 / Line 1	#DIV/0!	DA	1.00000	#DIV/0!
12	Less Sub-Transmission A&G	Line 11 * (Line 6 minus Line 7)	#DIV/0!	W/S	1.00000	#DIV/0!
13	PBOP Expense Adjustment in Year	Attachment 6, Line 11 (Note C)	-	DA	1.00000	
14	Common	356.1	-	CE	1.00000	
15	Amortization of Regulatory Assets	Attachment 19, Line 2, Col. K	-	DA	1.00000	
16	TOTAL O&M and A&G (sum Lines 1, 6, 10, 13, 14, 15 less 2, 3, 4, 5, 7, 8, 9, 12)		#DIV/0!			#DIV/0!
	DEPRECIATION AND AMORTIZATION EXPENSE					
17	Transmission	336.7.b (Note U)	-	TP	0.00000	
18	General & Intangible	336.1.f & 336.10.f (Note U)	-	W/S	1.00000	
19	Sub-Transmission	(Company records, Note DD)	-	DA	1.00000	
20	Common	336.11.b (Note U)	-	CE	1.00000	
21	TOTAL DEPRECIATION (sum Lines 17, 18, 20 less 19)		-			
	TAXES OTHER THAN INCOME TAXES (Note J)					
	LABOR-RELATED					
22	Payroll	263.i (Attachment 7, Line 1x)	-	W/S	1.00000	
23	Highway and vehicle	263.i (Attachment 7, Line 2x)	-	W/S	1.00000	
24	PLANT-RELATED					
25	Property	263.i (Attachment 7, Line 3x)	-	GP	0.00000	
26	Gross Receipts and Taxes Non-Functionalized to Transmission	263.i (Attachment 7, Line 4x)	-	NA		
27	Other	263.i (Attachment 7, Line 5x)	-	GP	0.00000	
28	Payments in lieu of taxes	Attachment 7, Line 6x	-	GP	0.00000	
29	TOTAL OTHER TAXES (sum Lines 22 – 28)		-			
	INCOME TAXES (Note K)					
30	$T = 1 - \{[(1 - SIF) * (1 - FIT)] / (1 - SIF * FIT * p)\} =$		0.00%			
31	$CH = (C / (1 - T)) * (1 - (WCLTD/R))$ where WCLTD = (page 4, Line 31) and R = (page 4, Line 34) and FIT, SIF & p are as given in footnote K: $1 / (1 - T)$ (from Line 30)		#DIV/0!			
32	Amortized Investment Tax Credit (266.8.f) (enter negative)					
34	Tax Effect of Permanent Differences and AFUDC Equity (Notes C & D)					
35	(Excess)/Deficient Deferred Income Taxes (Attachment 15, Line 12, Col. F) (Notes C & E)					
36	Income Tax Calculation – Line 31 * Line 41		#DIV/0!	NA		#DIV/0!
37	ITC adjustment (Line 32 * Line 33)		-	GP	0.00000	
38	Permanent Differences and AFUDC Equity Tax Adjustment (Line 32 * Line 34)		-	DA	1.00000	
39	(Excess)/Deficient Deferred Income Tax Adjustment (Line 32 * Line 35)		-	DA	1.00000	
40	Total Income Taxes (sum Lines 36 through 39)		#DIV/0!			#DIV/0!
41	RETURN Rate Base (page 2, Line 35) * Rate of Return (page 4, Line 34, col. 6)		#DIV/0!	NA		#DIV/0!
42	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE) (sum Lines 16, 21, 29, 40, 41)		#DIV/0!			#DIV/0!
43	Plus any increased ROE adder incentive NITS (Attachment 2b, Line 2 (Note AA))		#DIV/0!			#DIV/0!
44	Plus any increased ROE adder incentive TEC (Attachment 11, Line 4, col 12 (Note AA))		#DIV/0!			#DIV/0!

45 GROSS REV. REQUIREMENT (sum Lines 42, 43, 44) #DIV/0! #DIV/0!

Attachment  
page

Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

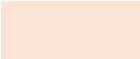
For the 12 months ended 12

Line No.	(1)	(2)	(3)	(4)	(5)
	Source	Company Total	Allocator	Transmission (Col 3 times Col 4)	
1	O&M and A&G				
2	Transmission O&M Expense	Attachment 20, Line 26, Col. G	-	DA	1.00000
3	Less Sub-Transmission O&M	(Company records, Note Y)	-	DA	1.00000
4	A&G Expense	Attachment 20, Line 41, Col. J	-	DA	1.00000
5	Sub-Transmission A&G reduction percent	Line 2/ Attachment 20, Line 26, Col C Line 4 * Page 4, Line 16, Col. 6 * (Attachment 20, Line 41, Col C minus Attachment 20, Line 41, Col D)	#DIV/0!		
6	Less Sub-Transmission A&G		#DIV/0!	DA	1.00000
7	PBOP Expense Adjustment in Year	Attachment 6, Line 11 (Note C)	-	DA	1.00000
8	Common	FERC Form No. 1, Page 356.1	-	CE	1.00000
9	Amortization of Regulatory Assets	Attachment 19, Line 2, Col. K	-	DA	1.00000
10	TOTAL O&M and A&G (sum Lines 1,3,6,7,8 less Lines 2,5)		#DIV/0!		#DIV/0!
11	DEPRECIATION AND AMORTIZATION EXPENSE				
12	Transmission	FERC Form No. 1, 336.7.b (Note T)	-	TP	0.00000
13	General & Intangible	FERC Form No. 1, 336.1.f & 336.10.f (Note T)	-	W/S	1.00000
14	Sub-Transmission	(Company records, Note Y)	-	DA	1.00000
15	Common	FERC Form No. 1, 336.11.b (Note T)	-	CE	1.00000
16	TOTAL DEPRECIATION (sum Lines 10, 11, 13 less 12)		-		-
17	TAXES OTHER THAN INCOME TAXES (Note I)				
18	LABOR RELATED				
19	Payroll	Attachment 7, Line 1z	-	W/S	1.00000
20	Highway and vehicle	Attachment 7, Line 2z	-	W/S	1.00000
21	PLANT RELATED				
22	Property	Attachment 7, Line 3z	-	GP	0.00000
23	Gross Receipts and Taxes Non-Functionalized to Transmission	Attachment 7, Line 4z	-	NA	-
24	Other	Attachment 7, Line 5z	-	GP	0.00000
25	Payments in lieu of taxes	Attachment 7, Line 6z	-	GP	0.00000
26	TOTAL OTHER TAXES (sum Lines 15 - 21)		-		-
27	INCOME TAXES	(Note J)			
28	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		0.00%		
29	$CIT = (T / (1 - T)) * (1 - (WCLTD / R)) =$		#DIV/0!		
30	where WCLTD = (page 4, Line 31) and R = (page 4, Line 34)				
31	and FIT, SIT & p are as given in footnote K,				
32	$1 / (1 - T)$ (from Line 23)		-		
33	Amortized Investment Tax Credit (266.8.f) (enter negative)		-		
34	Tax Effect of Permanent Differences and AFUDC Equity -	(Notes C & D)			
35	(Excess)/Deficient Deferred Income Taxes	(Attachment 15, Line 12, Col. F) (Notes C & E)	-		
36	Income Tax Calculation - Line 24 * Line 34		#DIV/0!	NA	#DIV/0!
37	ITC adjustment (Line 25 * Line 26)		-	GP	0.00000
38	Permanent Differences and AFUDC Equity Tax Adjustment (Line 25 * Line 27)		-	DA	1.00000
39	(Excess)/Deficient Deferred Income Tax Adjustment (Line 25 * Line 28)		-	DA	1.00000
40	Total Income Taxes	sum Lines 29 through 32	#DIV/0!		#DIV/0!
41	RETURN	Rate Base (page 2, Line 35) * Rate of Return (page 4, Line 34, col. 6)	#DIV/0!	NA	#DIV/0!
42	GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)	(sum Lines 9, 14, 22, 33, 34)	#DIV/0!		#DIV/0!
43	Plus any increased ROE adder incentive NITS	Attachment 2b, Line 2 (Note X)	#DIV/0!		#DIV/0!
44	Plus any increased ROE adder incentive TEC	Attachment 11, Line 4, col 12 (Note X)	#DIV/0!		#DIV/0!
45	GROSS REV. REQUIREMENT	(sum Lines 35, 36, 37)	#DIV/0!		#DIV/0!

POTOMAC EDISON

-  
-  
-

-

40 a Firm Point-to-Point

40 b Other

41 SECTION 30.9 CREDITS

42 OTHER REVENUE CREDITS

42a Labor Related Revenues

42b Plant Related Revenues

42c Transmission Related Revenues

42d Other

W&S	1.00000	-
GP	0.00000	-
TP	0.00000	-
DA	1.00000	-



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data  
POTOMAC EDISON

For the 12 months ended 12/31/2021

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 Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points adder to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.  
B Prepayments shall exclude prepayments of income taxes.  
C Transmission-related only  
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. Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.

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.

F The balances in accounts 190 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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 16, column 5 minus amortization of regulatory assets (page 3, Line 15, col. 5). Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, Line 57 in the Form 1. As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&M and A&G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital base.~~

~~I Line 9 – 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 10 – 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 and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula ~~Template, since 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 32).

Inputs Required:

FIT =

0.00%

SIT =

0.00%

(State Income Tax Rate or Composite SIT)

p =

(percent of federal income tax deductible for state purposes)

~~L~~ Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 - 561.3, and 561.BA., and related to generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.

~~M~~ Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).

~~N~~ Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.

~~O~~ Enter dollar amounts

~~P~~ Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). ~~ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.~~

~~Q~~ Page 4, Line 37 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 2-46 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 57 is supported by its own reference.

~~U~~ Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.

~~V~~ On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to

RTEP ~~projects-projects, unless provisions per settlement agreement section 2.23 requires inclusion.~~

<del>W</del>	<del>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.</del>
<del>XV</del>	Calculate using a 13-month average balance.
<del>Y</del>	<del>Calculate using average of beginning and end of year balance.</del>
<del>ZW</del>	Includes only CWIP authorized by the Commission for inclusion in rate base.
<del>AA</del> <del>X</del>	Any actual ROE incentive must be approved by the Commission; therefore, Line will remain zero until a project(s) is granted a ROE incentive adder.
<del>BB</del>	<del>A&amp;G adjustment to address specific assignment to distribution or transmission</del>
<del>CC</del>	<del>Vegetation Management Surcharge rider specific to West Virginia</del>
<del>DD</del> <del>Y</del>	<del>Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts</del>
<del>EE</del> <del>Z</del>	To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
AA	The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate template in the same manner as the underlying associated plant assets or expenses that generate the credits.
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56%
Actual equity capitalization: 0.0% Equity Cap Not Triggered	





**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.11350.1045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

	<b>Income Tax Rates</b>			
23	$T = 1 - \frac{[(1 - SIT) * (1 - FIT)]}{(1 - SIT * FIT * p)}$		Attachment H-11A, page 3, Line 30, Col. 3	0.00%
24	$CIT = (T / (1 - T)) * (1 - WCLTD / R)$		Calculated	#DIV/0!
25	$1 / (1 - T)$		Attachment H-11A, page 3, Line 32, Col. 3	-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)		Attachment H-11A, page 3, Line 33, Col. 3	-
27	Tax Effect of Permanent Differences and AFUDC Equity		Attachment H-11A, page 3, Line 34, Col. 3	-
28	(Excess)/Deficient Deferred Income Taxes		Attachment H-11A, page 3, Line 35, Col. 3	-
29	Income Tax Calculation		(line 22 * line 24)	#DIV/0!
30	ITC adjustment		Attachment H-11A, page 3, Line 37, Col. 5	-
31	Permanent Differences and AFUDC Equity Tax Adjustment		Attachment H-11A, page 3, Line 38, Col. 5	-
32	(Excess)/Deficient Deferred Income Tax Adjustment		Attachment H-11A, page 3, Line 39, Col. 5	-
33	Total Income Taxes		Sum lines 29 to 32	#DIV/0!

Return and Taxes

34	Return and Income taxes with ROE		(Line 22 + Line 33)	#DIV/0!
35	Return with ROE		Attachment H-11A, Page 3, Line 41, Col. 5	#DIV/0!
36	Income Tax with ROE		Attachment H-11A, Page 3, Line 40, Col. 5	#DIV/0!

Notes:

Line 17 will reflect the ROE, as reflected on Attachment H-11A, Page 4, Line 33, Col. 5

Incentive ROE Calculation

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
3	Common Stock			
4	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
5	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
6	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
7	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
8	Common Stock		Attachment 8, Line 14, Col. 8	0
9	Capitalization			
10	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
11	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
12	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
13	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
14	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
15	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
16	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
17	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
18	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
19	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (NOTE A)	0.1235145
20	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
21	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
22	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
23	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
24	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

25	Income Tax Rates			
26	T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
27	CIT=(T/(1-T)) * (1-(WCLTD/R)) =	Calculated	#DIV/0!	
28	1 / (1 - T)	Attachment H-11A, page 3, Line 32, Col. 3		-
29	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
30	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
31	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
32	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
33	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
34	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
35	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
36	Total Income Taxes	Sum lines 29 to 32	#DIV/0!	

Incremental Return and Taxes

37	Return and Income taxes with scaled basis pts adder	(Line 22 + Line 33)	#DIV/0!	
38	Return with incentive adder	Line 22	#DIV/0!	
39	Income Tax with incentive adder	Line 33	#DIV/0!	
40	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!	
41	Rate Base	Line 1	#DIV/0!	
42	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!	

Notes:  
[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

Incentive ROE NITS Worksheet Support																	Attachment H-11A, Attachment 2b	
Net Plant Detail																	page 1 of 2	
																	For the 12 months ended 12/31/2021	
Line No.	Project Name (Note A)	RTEP Project Number	Project Gross Plant (Note B)	Dec-20 (Note C)	Jan-21 (Note C)	Feb-21 (Note C)	Mar-21 (Note C)	Apr-21 (Note C)	May-21 (Note C)	Jun-21 (Note C)	Jul-21 (Note C)	Aug-21 (Note C)	Sep-21 (Note C)	Oct-21 (Note C)	Nov-21 (Note C)	Dec-21 (Note C)		
1a			#DIV/0!															
1b			#DIV/0!															
1c			#DIV/0!															
1d			#DIV/0!															
1e			#DIV/0!															
1f			#DIV/0!															

Attachment H-11A, Attachment 2b  
page 1 of 2  
For the 12 months ended 12/31/2021

2

NOTE

Subtotal

[A]

Utilize only in the instance there exists Commission approved ROE incentive projects

[B]

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

[C] Company records



			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average			-	-	-	-	-	-	-	-
			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	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average			-	-	-	-	-	-	-	-

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	
			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	2020								-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average		-	-	-	-	-	-	-	-	
			Production	Transmission	Distribution	Intangible	General	Common			
		[B]	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
29	December	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	

Notes:

[A] Taken to Attachment H-11A, 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

[D] Sub-transmission balance from company records

[E] Transmission amount excludes sub-transmission

[F] Distribution amount includes sub-transmission

				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (including Plant & Labor Related Transmission ADITs and applicable transmission adjustments from notes below) Acct. No. 282 (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
2	December 31	12/31/2021	[G]	-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5c, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.



Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant & Labor Related	Total
		Ending	Allocated to	Transmission
		(Note F)	(page 1, Col. K)	(col. 2 + col. 3) (Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line		Summary of Transmission ADIT (Prior to adjusted items)				
		A	B	C	D	E
		End Plant	End Labor	Plant & Labor	Gross Plant	Wages & Salary
		Related	Related	Subtotal	Allocator	Allocator
		(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)
1	ADIT- 282 From Account Total Below	-	-	-	0.00%	100.00%
2	ADIT-283 From Account Total Below	-	-	-	0.00%	100.00%
3	ADIT-190 From Account Total Below	-	-	-	0.00%	100.00%
4	ADIT-281 From Account Total Below	-	-	-	0.00%	100.00%
5	ADIT-255 From Account Total Below	-	-	-	0.00%	100.00%
6	Subtotal	-	-	-		

- Notes
- A From column F (beginning on page 2)
  - B From column G (beginning on page 2)
  - C Refers to Attachment H-11A, page 2, line 6, col. 4
  - D Refers to Attachment H-11A, page 4, line 16, col.6
  - E Total Transmission Ending taken to Attachment 5, line 2
  - F From column E (beginning on page 2) by account

A	B	C	D	E	F	G	Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-
----------	---	---	---	---	---	---

Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT- 282	End of Year Balance p275.9.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Subtotal	-	-	-	-	-	-	

Attachment H-11A, Attachment 5a  
page 3 of 6  
For the 12 months ended 12/31/2021

### JUSTIFICATION

**Instructions for Account 282:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.  
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.  
3. ADIT items related only to Transmission are directly assigned to Column E.  
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.  
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.  
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

							Attachment H-11A, Attachment 5a page 6 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 255:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.

2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.

3. ADIT items related only to Transmission are directly assigned to Column E.

4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.

5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

		A	B	C	D	E	F	G	H	I				
Line		2021 Quarterly Activity and Balances												
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	0	Q2 Activity	Ending Q2	0	Q3 Activity	Ending Q3	0	Q4 Activity	Ending Q4	0
2	PTRR	Beginning 190 (including adjustments) 0	Pro-rated Q1 0			Pro-rated Q2 0			Pro-rated Q3 0			Pro-rated Q4 0		
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	0	Q2 Activity	Ending Q2	0	Q3 Activity	Ending Q3	0	Q4 Activity	Ending Q4	0
4	PTRR	Beginning 282 (including adjustments) 0	Pro-rated Q1 0			Pro-rated Q2 0			Pro-rated Q3 0			Pro-rated Q4 0		
5	PTRR	Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	0	Q2 Activity	Ending Q2	0	Q3 Activity	Ending Q3	0	Q4 Activity	Ending Q4	0
6	PTRR	Beginning 283 Including adjustments) 0	Pro-rated Q1 0			Pro-rated Q2 0			Pro-rated Q3 0			Pro-rated Q4 0		
2021 PTRR														
		J	K	L	M	N	O	P						
		Attachment 5-ADIT Summary, Line 2			Page 1, B+D+F+H	Page 1, row 2,4,6 Column A+B+D+F+H	J-L Attachment 5-ADIT Summary, Lines 3, 4, and 5		M-N	Line 7= J-N-O Lines 8-9= -J+N+O				
		Estimated Ending Balance (Before Adjustments)		Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate					
Line	Account													
7	PTRR	Total Account 190	-	0	0	-	-	-	-					
8	PTRR	Total Account 282	-	0	0	-	-	-	-					
9	PTRR	Total Account 283	-	0	0	-	-	-	-					
10	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-					

**Notes:**  
1. Attachment 5b will only be populated within the PTRR

Attachment H-11A, Attachment 5c-




Line		A	B	C	D	E	F	G	H	I
2021 Quarterly Activity and Balances										
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	

Attachment H-11A, Attachment 5c  
page 2 of 2

2021 PTRR

For the 12 months ended 12/31/2021

		2021 PTRR						
		A	B	C	D	E	F	G
				Page 1, row 3,7,11				Line 1= A-E-F
			Page 1, B+D+F+H	Column A+B+D+F+H	A-C		D-E	Lines 2-3= -A+E+F
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
1	PTRR Total Account 190		0	0				
2	PTRR Total Account 282		0	0				
3	PTRR Total Account 283		0	0				
4	PTRR Total ADIT Subject to Normalization							

		2021 ATRR							
		H	I	J	K	L	M	N	O
				Page 1, row 4,8,12 column					
			Page 1, B+D+F+H	A+B+D+F+H	H-J	D-K	E-M	K+L-M-N	6-7= -H+M+O
		Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance	Prorated - Actual End (Before Adjustments)	Prorated Activity Not Projected	Sum of end ADIT Adjustments	ADIT Adjustments not projected	Ending ADIT Balance Included in Formula Rate
5	ATRR Total Account 190		0	0					
6	ATRR Total Account 282		0	0					
7	ATRR Total Account 283		0	0					
8	ATRR Total ADIT Subject to Normalization								

Notes:-

1- Attachment 5c will only be populated within the ATRR

		2021 PTRR						
		A	B	C	D	E	F	G
				Page 1, row 3,7,11				Line 1= A-E-F
			Page 1, B+D+F+H	Column A+B+D+F+H	A-C		D-E	Lines 2-3= -A+E+F
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
1	PTRR Total Account 190		0	0	-		-	-
2	PTRR Total Account 282		0	0	-		-	-

3	PTRR	Total Account 283	-	0	0	-	-	-	-
4	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-

2021 ATRR											
		H Attachment 5 - ADIT Summary, Line 2	I Page 1, B+D+F+H	J Page 1, row 4,8,12, column A+B+D+F+H	K H-J Prorated - Actual End (Before Adjustments)	L D-K Prorated Activity Not Projected	M Attachment 5-ADIT Summary, Lines 3, 4, and 5	N E-M ADIT Adjustments not projected	O K+L-M-N Normalization	P Line 5= H-M-O H+M+Q Ending ADIT Balance Included in For	Lines 6-8
Account		Actual Ending Balance (Before Adjustments)	Actual Activity	Prorated Ending Balance			Sum of end ADIT Adjustments			Rate	
5	ATRR	Total Account 190	-	0	0	-	-	-	-	-	-
6	ATRR	Total Account 282	-	0	0	-	-	-	-	-	-
7	ATRR	Total Account 283	-	0	0	-	-	-	-	-	-
8	ATRR	Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-

Notes:  
1. Attachment 5c will only be populated within the ATRR

1 **Calculation of PBOP Expenses**

	<b><u>Amount</u></b>	<b><u>Source</u></b>
2		
3	Total FirstEnergy PBOP expenses	-\$15,646,300 FirstEnergy 2019 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,161,999,525 FirstEnergy 2019 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0072
6	labor (labor not capitalized) current year, transmission only	POTOMAC EDISON Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	\$0
8	PBOP expense in Account 926 for current year, total company	POTOMAC EDISON Account 926: Company Records
9	W&S Labor Allocator	100.000%
10	Allocated Transmission PBOP (line 8 * line 9)	-
11	PBOP Adjustment for Attachment H-11A, page 3, line 436 (line 7 - line 10)	-

12 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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission

			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [B] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Reference for December balances as would be reported in FERC Form 1.  
[B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000  
[C] Renaissance issued securitized debt in 2007and the proceeds were distributed up to ~~Potomac Edison-Mon Power~~ in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.

Stated Value Inputs

Formula Rate Protocols  
Section VIII.A

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

SFC's ROE is set to: 11.35%

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

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

Total FirstEnergy PBOP expenses \$15,646,300  
Labor dollars (FirstEnergy) \$2,161,999,625  
cost per labor dollar \$0.0072

3. Depreciation Rates (1)

FERC Account	PE-MD Depr %	PE-VA Depr%	PE-WV Depr %
350.2	1.63%	1.10%	1.18%
352	1.01%	0.69%	2.82%
353.1	1.32%	1.39%	1.36%
353.4	0.00%	0.00%	3.19%
354	1.59%	1.45%	2.08%
355	0.91%	2.49%	1.64%
356.1	2.93%	3.24%	2.52%
356.2	0.00%	0.27%	0.91%
357	1.96%	2.43%	2.02%
358	2.61%	2.60%	2.55%
359.2	1.46%	0.00%	1.53%
390.1 (2)	0% to 1.53%	0% to 2.86%	0% to 6.27%
391.1	3.55%	5.00%	4.26%
391.2	12.91%	10.00%	26.37%
391.3	5.00%	0.00%	3.28%
391.4	12.91%	20.00%	20.00%
392.1	14.29%	0.00%	0.00%
392.2	13.20%	0.00%	6.96%
392.3	6.77%	0.00%	0.00%
392.4	8.26%	0.00%	4.44%
392.5	5.00%	0.00%	0.00%
393	16.82%	5.00%	8.37%
394	5.05%	5.00%	9.41%
395	6.78%	5.00%	12.67%
396	3.39%	0.00%	2.02%
397	16.91%	7.14%	22.17%
398	7.51%	5.00%	5.39%

Note: (1) Account 393 amortization period is 7 years.

(2) Account 390.1 contains asset-specific depreciation rates; these rates are within the range listed



|

## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT-

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. <del>hh</del> gg)	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z* (col e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Effective Cost Rate (Table 2, Col. <del>kk</del> )	Weighted Debt Cost at t = N (h) * (i)

Long Term Debt Cost 12/31/2021

at Year Ended:

First Mortgage Bonds:

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)
	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Reacquired Debt	Less Related ADFF	Net Proceeds (col. cc + col. dd - col. ee - col. ff)	Net Proceeds Ratio (col. <del>hh</del> gg/ col. cc) *100)	Coupon Rate	Annual Interest (col. cc *col. <del>jj</del> )	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)

Long Term Debt  
Issuances

Affiliate

- (1)
- (2)
- (3)
- (4)
- (5)

## TOTALS

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}, C_{t=2}$ , etc.).

The diagram illustrates a sequence of operations on a stack. The stack initially contains elements 1, 2, 3, 4, 5. Operation 1 (push) adds element 6. Operation 2 (pop) removes element 6. Operation 3 (pop) removes element 5. Operation 4 (pop) removes element 4. Operation 5 (pop) removes element 3. Operation 6 (pop) removes element 2. Operation 7 (pop) removes element 1. The stack is empty after operation 7.

					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Expense Charge	Project Net Plant	Factor for Return	Return Charge	Depreciation Expense	Revenue Requirement	Incentive Projects	Factor for Return (Note F)	Requirement	True-up Adjustment	with True-up
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Note F)	Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	(Sum Col. 10 & 12)	(Note G)	(Sum Col. 13 & 14)

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line-57, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line-4437, Col. 3

#### Notes

A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 170.

F Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder G

True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

Attachment 11-1173, Attachment 11-1174

page 1 of 2

For the 12 months ended 12/31/2021

TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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

TEC Worksheet Support														
Net Plant Detail														
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)	

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)
Actual											
Line No.		Project Name	RTEP Project Number	Revenues for Attachment 11	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)
				Attachment 11 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b		Project 2				-	-		-		
2c		Project 3				-	-		-		
3		Subtotal			-			-	-		
4		Total Interest (Sourced from Attachment 13a, line 3946)									-

NOTE-  
~~E-~~

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





[illegible]



		<b>TEC Revenue Requirement True-up with Interest</b>	
<b>TEC Reconciliation Revenue Requirement For Year 20XX</b>	<b>TEC 20XX Revenue Requirement Collected by PJM Based on</b>	<b>True up Adjustment Over (Under)</b>	
Available June 15, 20XX	Forecast filed on Oct 31, 20XX	Recovery	

Attachment H-11A, Attachment 13a-  
page 1 of 1  
For the 12 months ended 12/31/2021

1 \$0 \$0 = \$0

	<b>Over (Under)</b>	<b>Surcharge</b>
	<b>Recovery Plus</b>	<b>(Refund)</b>
	<b>Interest</b>	<b>Average Monthly Months Calculated Interest Amortization Owed</b>
2 Interest Rate on Amount of Refunds or Surcharges [A]		0.0000%

An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX

<u>Calculation of Interest</u>			Monthly
3 January	Year 2019	-	0.0000%
4 February	Year 2019	-	0.0000%
5 March	Year 2019	-	0.0000%
6 April	Year 2019	-	0.0000%
7 May	Year 2019	-	0.0000%
8 June	Year 2019	-	0.0000%
9 July	Year 2019	-	0.0000%
10 August	Year 2019	-	0.0000%
11 September	Year 2019	-	0.0000%
12 October	Year 2019	-	0.0000%
13 November	Year 2019	-	0.0000%
14 December	Year 2019	-	0.0000%
15 January through December	Year 2020	-	0.0000% 12

<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>			Monthly
16 January	Year 2021	-	0.0000%
17 February	Year 2021	-	0.0000%
18 March	Year 2021	-	0.0000%
19 April	Year 2021	-	0.0000%
20 May	Year 2021	-	0.0000%
21 June	Year 2021	-	0.0000%
22 July	Year 2021	-	0.0000%
23 August	Year 2021	-	0.0000%
24 September	Year 2021	-	0.0000%
25 October	Year 2021	-	0.0000%
26 November	Year 2021	-	0.0000%
27 December	Year 2021	-	0.0000%

28 True-Up with Interest	\$
29 Less Over (Under) Recovery	\$
30 Total Interest	\$

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone  
(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.  
(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.

### ~~Other Rate Base Items~~

		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)		Total	
	[A]	214.x.d	227.8.e & .16.e	111.57.e[B]			
1-December 31	2020						
2-December 31	2021						
3-Begin/End Average							
		<b>Unfunded Reserve – Plant Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
4-December 31	2020						
5-December 31	2021						
6-Begin/End Average							
		<b>Unfunded Reserve – Labor Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
7-December 31	2020						
8-December 31	2021						
9-Begin/End Average							

Notes:

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

~~[B] Prepayments shall exclude prepayments of income taxes.~~

~~[C] Includes transmission-related balance only~~

[illegible]



Excess and Deficient ADIT- Income Tax Adjust								
	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H
Line- No.	Description	(Excess)/Deficient ADIT Transmission—Beg. Balance of Year (Note B)	Current Period Other Activity— (Note C)	Amortization Period (Note D)	Years Remaining at Year End	Amortization (Note E)	(Excess)/Deficient ADIT Transmission—Ending Balance of Year (Note F) (Col. B + Col. C) — Col. F	Protected (P)–Non-Protected (N)
Non-property (Note A):								
1	Account 190							
1a								-
1b								-
2	Account 282							
2a								-
3	Account 283		-					
3a								-
3b								-
3c								-
3d								-
4	Non-property gross-up for Taxes							-
5	Total Non-Property							
Property (Note A):								
6	Property-Book-Tax Timing Difference—Account 190				ARAM	ARAM		-
7	Property-Book-Tax Timing Difference—Account 282				ARAM	ARAM		-
8	Property-Book-Tax Timing Difference—Account 283				ARAM	ARAM		-
9	Property Gross-up for Taxes							-
10	Total Property (Total of lines 6 thru 9)							
11	Amortized Excess/Deficient ADITs (Note C)							

12 **Total Non-Property & Property Amortization, excluding gross-up for taxes (Total of lines 1-3, 6-8 and 11) (Note G)**

Notes:-

- A Upon a tax rate change (federal, state and/or, if applicable, state apportionments), the Company remeasures its deferred tax assets and liabilities to account for the new applicable corporate tax rate. For schedule M items not directly taken to the P&L, the result of this remeasurement is a change to the net deferred tax assets/liabilities recorded in accounts 190, 282, and 283 with a corresponding change in regulatory assets (account 182.3) and regulatory liabilities (account 254) to reflect the return of/collection from excess/deficient deferred taxes to/from customers. The remeasurement is effectuated within PowerTax and Tax Provision, which maintain both the timing difference and APB11 deferred tax balance (the historical ADIT based on the timing difference and the rate in effect when the timing difference occurred). The difference in the two results is reclassified from ADIT to regulatory assets/liabilities for deficient/excess ADIT. Within the FERC Form 1, deficient and excess ADITs in Account 182.3 and Account 254, respectively are presented grossed-up for tax purposes. For ratemaking purposes, these grossed-up balances are treated as FAS109 and subsequently removed from rate base, thereby ensuring rate base neutrality for tax rate changes. The Company would follow the process described above to remeasure ADIT balances (increase or decrease) due to any future income tax rate change.
- B Beginning balance of year is the end of the prior year balance as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)

C	In the event the Company populates the data enterable fields, it will support the data entered as just and reasonable in its Annual update							
D	The amortization periods shall be consistent with the following:							
	Protected Property & Non-Protected Property:	ARAM, or directly assigned based on average remaining life of assets for property items not in PowerTax						
	Protected Non-Property & Non-Protected Non-Property will be directly assigned and presented in the table above							

E The amortization of the tax reg asset/liability will occur through FERC income statement Accounts 410.1 and 411.1 for property and 410.1 for non-property

F Ending balance of year is the end of current year balance, as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)

G The amortization gross-up for taxes occurs on Attachment H 11A, page 3, line 39, Col. 3





Abandoned Plant

Attachment H-11A, Attachment 16  
page 1 of 1  
For the 12 months ended 12/31/2021

1.00	
1.01	
1.02	
1.03	
1.04	
1.05	
1.06	
1.07	
1.08	
1.09	
1.10	
2	Total

**Notes**

(A) Only projects approved by the commission will be included

(B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the beginning amount will be the ending balance from the previous year

(C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends

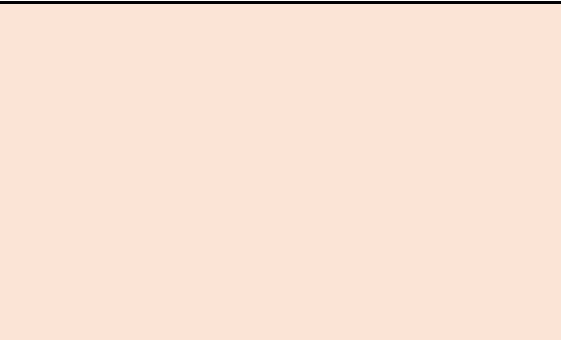
(D) Average calculated as [Sum of Columns (B) through (N)] ÷ 13

(E) Column O \* Attachment H-11A, page 4, line 34, col. 6

(F) Column P \* Attachment H-11A, page 3, line ~~34~~24, col 3

(G) Column A + Column P + Column Q

(H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement



Construction Work in Progress

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															-
2b	[Placeholder 2]															-
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

(a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.

(b) CWIP will not be included unless authorized by the Commission

~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate

~~(entered on Attachment H-11A, page~~  
5 of 5, Note ~~K~~, J)

**State Income Tax Rate**

~~Combined Rate~~

~~(entered on Attachment H-11A,~~  
page 5 of 5, Note ~~K~~, J)

Nominal State Income Tax Rate

Times Apportionment Percentage

Combined State Income Tax Rate

## Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
								Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	
Line No.	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period					Dec31	Jan 31	Feb 28/29	Mar 31	Apr 30	May 31	June 30	July 31	August 31	Sept 30	Oct 31	Nov 30	Dec 31	Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total										-														

### Notes

(A) Only Regulatory Assets approved by the commission will be included

(B) Regulatory asset references to be noted based on FERC Page. Row. Col.#

(C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year

(D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends

(E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line ~~158~~, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line ~~158~~, Col.3 will be 0

(F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0

Operation and Maintenance Expenses

FF1-

Page-

321 Account

Line Reference

No. Description Account Balance [A]

82 *Operation*

83 560 Operation Supervision and Engineering

84

85 561.1 Load Dispatch Reliability

86 561.2 Load Dispatch Monitor and Operate Transmission System

87 561.3 Load Dispatch Transmission Service and Scheduling

88 561.4 Scheduling, System Control and Dispatch Services

89 561.5 Reliability, Planning and Standards Development

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

94 563 Overhead Lines Expense

95 564 Underground Lines Expense

96 565 Transmission of Electricity by Others

97 566 Miscellaneous Transmission Expense

98 567 Rents

99 TOTAL Operation (Enter Total of Lines 83 thru 98) \$0

100 *Maintenance*

101 568 Maintenance Supervision and Engineering

102 569 Maintenance of Structures

103 569.1 Maintenance of Computer Hardware

104 569.2 Maintenance of Computer Software

105 569.3 Maintenance of Communication Equipment

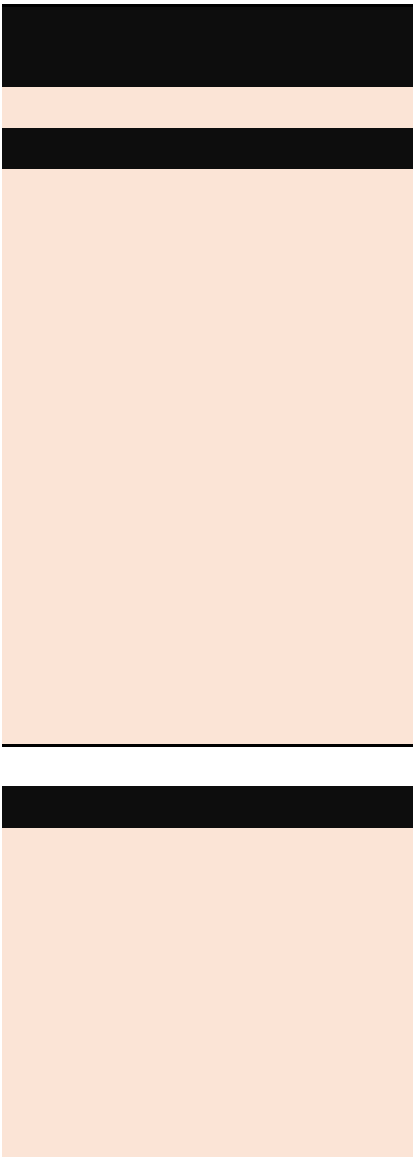
106 569.4 Maintenance of Miscellaneous Regional Transmission Plant

107 570 Maintenance of Station Equipment

108 571 Maintenance of Overhead Lines

109 572 Maintenance of Underground Lines

110 573 Maintenance of Miscellaneous Transmission Plant





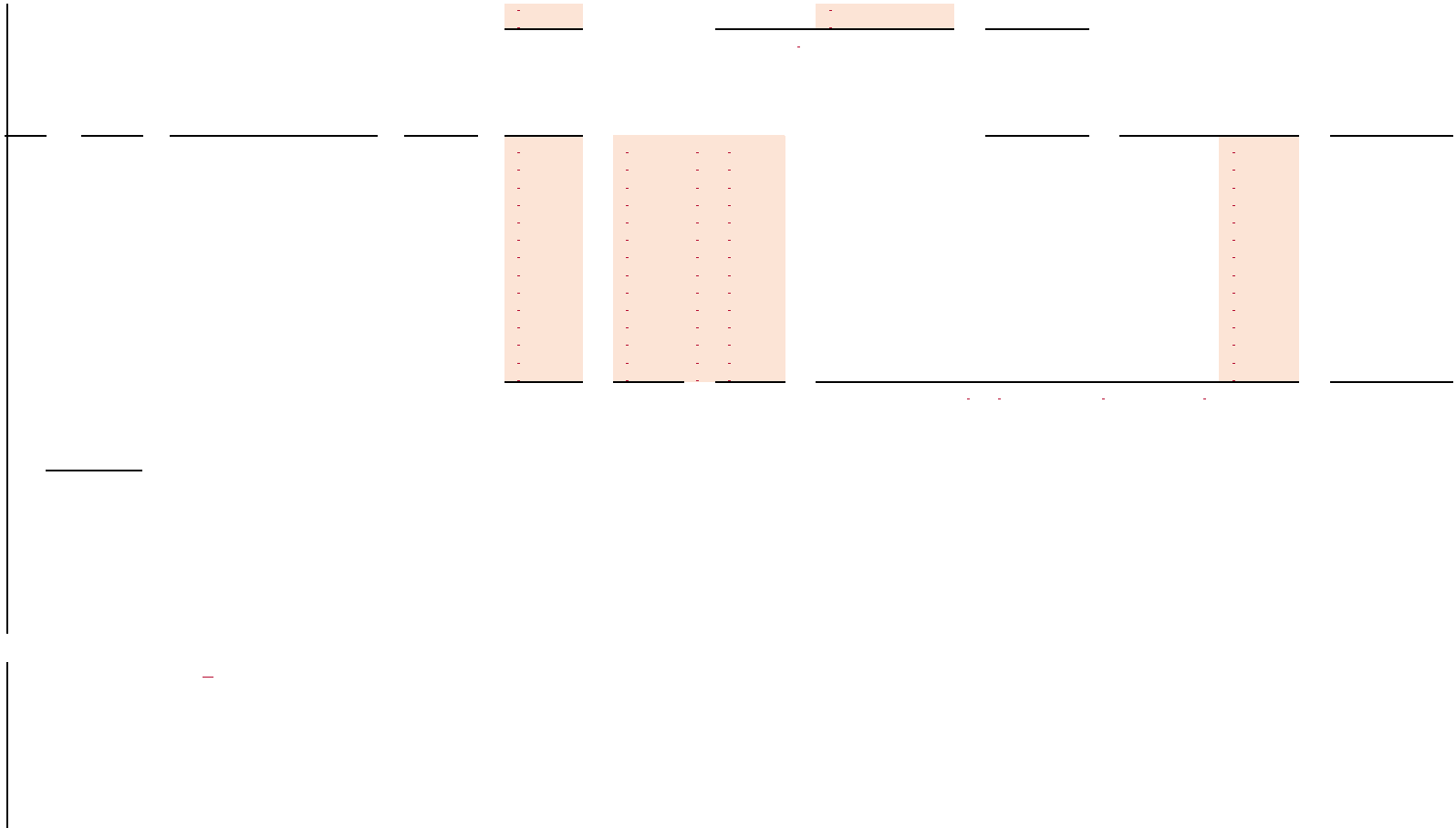
**Administrative and General (A&G) Expenses**

FF1- Page 323	Account		
Line	Reference		
No.	Description	Account Balance [B]	
180	<b>Operation</b>		
181	920 Administrative and General Salaries		
182	921 Office Supplies and Expenses		
183	Less 922 Administrative Expenses Transferred - Credit		
184	923 Outside Services Employed		
185	924 Property Insurance		
186	925 Injuries and Damages		
187	926 Employee Pensions and Benefits		
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		
193	931 Rents		
194	<b>Total Operation (Enter Total of lines 181 thru 193)</b>		\$0
195	<b>Maintenance</b>		
196	935 Maintenance of General Plant		
197	<b>TOTAL A&amp;G Expenses (Total of lines 194 and 196)</b>		\$0

Notes:

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

-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-



Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data

WEST PENN POWER

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT [page 3, Line <del>4538</del> , col 5]				
	REVENUE CREDITS	(Note <del>TS</del> )	Total	Allocator	
2	Account No. 451	(page 4, Line 38)	-	TP 0.00000	-
3	Account No. 454	(page 4, Line 39)	-	TP 0.00000	-
4	Account No. 456	(page 4, Line 40)	-	TP 0.00000	-
5	Section 30.9 credits	(page 4, Line 41)		TP 1.00000	-
6	Other Revenue credits	(page 4, Line 42)		DA 0.00000	-
57	TEC Revenue	Attachment 11, Page 2, Line 3, Col. 13		DA 1.00000	
68	TOTAL REVENUE CREDITS (sum Lines 2-57)				
79	True-up Adjustment with Interest	(Attachment 13, Line <del>2847</del> ) enter negative			-
810	NET REVENUE REQUIREMENT	(Line 1 - Line 68 + Line 79)			-

For the 12 months ended 12/31/2021

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		WEST PENN POWER			
		(1)	(2)	(3)	(4)	(5)	
Line No.		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 <del>U-T</del> & <del>XV</del> )	-	NA			
2	Transmission	Attachment 3, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000	-	
3	Distribution	Attachment 3, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA			
4	General & Intangible	Attachment 3, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000	-	
5	Common	Attachment 3, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000	-	
6	TOTAL GROSS PLANT (sum Lines 1-5)		-	GP=	0.000%	-	
ACCUMULATED DEPRECIATION							
7	Production	Attachment 4, Line 14, Col. 1 (Notes <del>U-T</del> & <del>XV</del> )	-	NA			
8	Transmission	Attachment 4, Line 14, Col. 3 (Notes <del>U-T</del> & <del>XV</del> )	-	TP	0.00000	-	
9	Distribution	Attachment 4, Line 14, Col. 4 (Notes <del>U-T</del> & <del>XV</del> )	-	NA			
10	General & Intangible	Attachment 4, Line 14, Col. 5 & 6 (Notes <del>U-T</del> & <del>XV</del> )	-	W/S	1.00000	-	
11	Common	Attachment 4, Line 14, Col. 7 (Notes <del>U-T</del> & <del>XV</del> )	-	CE	1.00000	-	
12	TOTAL ACCUM. DEPRECIATION (sum Lines 7-11)		-			-	
NET PLANT IN SERVICE							
13	Production	(Line 1 - Line 7)	-				
14	Transmission	(Line 2 - Line 8)	-			-	
15	Distribution	(Line 3 - Line 9)	-				
16	General & Intangible	(Line 4 - Line 10)	-			-	
17	Common	(Line 5 - Line 11)	-			-	
18	TOTAL NET PLANT (sum Lines 13-17)		-			-	
ADJUSTMENTS TO RATE BASE							
19	Account No. 281 (enter negative)	Attachment 5, Line 1, Col. 1 (Notes C, F)	-	NA			
20	Account No. 282 (enter negative)	Attachment 5, Line 1, Col. 2 (Notes C, F)	-	DA	1.00000	-	
21	Account No. 283 (enter negative)	Attachment 5, Line 1, Col. 3 (Notes C, F)	-	DA	1.00000	-	
22	Account No. 190	Attachment 5, Line 1, Col. 4 (Notes C, F)	-	DA	1.00000	-	
23	Account No. 255 (enter negative)	Attachment 5, Line 1, Col. 5 (Notes C, F)	-	DA	1.00000	-	
24	Unfunded Reserves: <del>Plant-related (enter negative)</del>	Attachment 14, Line <del>6</del> <u>18</u> , Col. <del>6</del> <u>P</u> (Notes C & <del>YV</del> )	-	DA	1.00000	-	
25	<del>Unfunded Reserve-Labor-related (enter negative)</del> [This line left intentionally blank]		-	Attachment 14, Line 9, Col. 6 (Notes C & Y)		DA	1.00000
26	CWIP	Attachment 17, Line 3, Col P 216.b (Notes <del>X-V</del> & <del>ZW</del> )	-	DA	1.00000	-	
27	Unamortized Regulatory asset	Attachment 19, Line 2, Col. Y (Note <del>XV</del> )	-	DA	1.00000	-	
28	TOTAL ADJUSTMENTS (sum Lines 19-27)		-			-	
29	LAND HELD FOR FUTURE USE	<del>214.x.d</del> (Attachment 14, Line <del>34</del> <u>4</u> , Col. <del>4P</del> <u>P</u> ) (Notes G & <del>Y</del> )	-	TP	0.00000	-	
30	WORKING CAPITAL (Note H)						
31	CWC	<del>1/8*(Page 3, Line 16 minus Page 3, Line 15)</del>				DA	1.00000
32	Materials & Supplies (Note G)	<del>227.8.e &amp; -16.e</del> (Attachment 14, Line 3, Col. <del>2P</del> <u>P</u> ) (Note <del>XV</del> )	-	TE	0.00000	-	
33	Prepayments (Account 165)	<del>111.57.e</del> (Attachment 14, Line <del>32</del> <u>2</u> , Col. <del>3P</del> <u>P</u> ) (Notes B & <del>YV</del> )	-	GPDA	<del>91</del> 0.00000	-	
34	TOTAL WORKING CAPITAL (sum Lines 31 - 33)						
35	RATE BASE (sum Lines 18, 28, 29, & 34)						

Formula Rate - Non-Levelized		Rate Formula Template Utilizing FERC Form 1 Data		For the 12 months ended 12/31/2021	
		WEST PENN POWER			
Line No.	(1)	(2)	(3)	(4)	(5)
		Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
1	O&M and A&G				
2	Transmission O&M Expense	321.112.b (Attachment 20, page 1, Line 112)		TE	0.00000
3	Less LSE Expenses Included in Transmission O&M Accounts (Note W)	321.96.b (Attachment 20, page 1, Line 96)		DA	1.00000
4	Less Sub-Transmission O&M	(Company records, Note DD)		DA	1.00000
5	Less Vegetation Management Surcharge Rider	(Company records, Note CC)		DA	1.00000
6	A&G Expense	323.197.b (Attachment 20, page 2, Line 197)		W/S	1.00000
7	Less A&G specific	(Company records, Note BB)		W/S	1.00000
8	Less FERC Annual Fees			W/S	1.00000
9	Less EPRI & Reg. Comm. Exp. & Non-safety Ad. (Note I)			W/S	1.00000
10	Plus Transmission Related Reg. Comm. Exp. (Note I)			TE	0.00000
11	Sub-Transmission A&G reduction percent	Line 4 / Line 1	#DIV/0!	DA	1.00000
12	Less Sub-Transmission A&G	Line 11 * (Line 6 minus Line 7)	#DIV/0!	W/S	1.00000
13	PBOP Expense Adjustment in Year	Attachment 6, Line 11 (Note C)		DA	1.00000
14	Common	356.1		CE	1.00000
15	Amortization of Regulatory Assets	Attachment 19, Line 2, Col. K		DA	1.00000
16	TOTAL O&M and A&G (sum Lines 1, 6, 10, 13, 14, 15 less 2, 3, 4, 5, 7, 8, 9, 12)		#DIV/0!		#DIV/0!
DEPRECIATION AND AMORTIZATION EXPENSE					
17	Transmission	336.7.b (Note U)		TP	0.00000
18	General & Intangible	336.1.f & 336.10.f (Note U)		W/S	1.00000
19	Sub-Transmission	(Company records, Note DD)		DA	1.00000
20	Common	336.11.b (Note U)		CE	1.00000
21	TOTAL DEPRECIATION (sum Lines 17, 18, 20 less 19)				
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
22	Payroll	263.i (Attachment 7, Line 4x)		W/S	1.00000
23	Highway and vehicle	263.i (Attachment 7, Line 2x)		W/S	1.00000
PLANT RELATED					
25	Property	263.i (Attachment 7, Line 3x)		GP	0.00000
26	Gross Receipts and Taxes Non-Functionalized to Transmission	263.i (Attachment 7, Line 4x)		NA	
27	Other	263.i (Attachment 7, Line 5x)		GP	0.00000
28	Payments in lieu of taxes	Attachment 7, Line 6x		GP	0.00000
29	TOTAL OTHER TAXES (sum Lines 22 - 28)				
INCOME TAXES (Note K)					
30	$T = 1 - (((1 - \text{SIT}) * (1 - \text{FIT})) / (1 - \text{SIT} * \text{FIT} * p)) =$		0.00%		
31	$\text{CIT} = (T * (1 - T)) * (1 - (\text{WCLTD} / R)) =$		#DIV/0!		
	where WCLTD = (page 4, Line 31) and R = (page 4, Line 34)				
	and FIT, SIT & p are as given in footnote K:				
32	$1 / (1 - T)$ (from Line 30)				
33	Amortized Investment Tax Credit (266.8.f) (enter negative)				
34	Tax Effect of Permanent Differences and AFUDC Equity	(Notes C & D)			
35	(Excess)/Deficient Deferred Income Taxes	(Attachment 15, Line 12, Col. F) (Notes C & E)			
36	Income Tax Calculation - Line 31 * Line 41		#DIV/0!	NA	#DIV/0!
37	ITC adjustment (Line 32 * Line 33)			GP	0.00000
38	Permanent Differences and AFUDC Equity Tax Adjustment (Line 32 * Line 34)			DA	1.00000
39	(Excess)/Deficient Deferred Income Tax Adjustment (Line 32 * Line 35)			DA	1.00000
40	Total Income Taxes	sum Lines 36 through 39	#DIV/0!		#DIV/0!
RETURN					
41	Rate Base (page 2, Line 35) * Rate of Return (page 4, Line 34, col. 6)		#DIV/0!	NA	#DIV/0!
GROSS REV. REQUIREMENT (WITHOUT INCENTIVE)					
42	(sum Lines 16, 21, 29, 40, 41)		#DIV/0!		#DIV/0!
43	Plus any increased ROE adder incentive NITS	Attachment 2b, Line 2 (Note AA)	#DIV/0!		#DIV/0!
44	Plus any increased ROE adder incentive TEC	Attachment 11, Line 4, col 12 (Note AA)	#DIV/0!		#DIV/0!
45	GROSS REV. REQUIREMENT	(sum Lines 42, 43, 44)	#DIV/0!		#DIV/0!

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WEST PENN POWER

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40 a	Firm Point-to-Point			
40 b	Other			
41	SECTION 30.9 CREDITS			
42	OTHER REVENUE CREDITS			
42a	Labor Related Revenues	W&S	1.00000	-
42b	Plant Related Revenues	GP	0.00000	-
42c	Transmission Related Revenues	TP	0.00000	-





Formula Rate - Non-Levelized

Rate Formula Template  
Utilizing FERC Form 1 Data  
WEST PENN POWER

For the 12 months ended 12/31/2021

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 Annual allocation Factor is utilized to calculate the incremental income tax and return for a scaled basis points added to the ROE and will be utilized only in the instance there exists Commission approved ROE incentive projects; else there will exist no incremental income tax and return.
- B Prepayments shall exclude prepayments of income taxes.
- C Transmission-related only
- 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. Balance shall not include permanent differences in the income tax allowance calculations (other than Equity AFUDC) unless and until specific Commission approval is obtained to include such differences in a separate 205 proceeding.
- 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.
- F The balances in accounts 190 281, 282, and 283 shall be adjusted for items as listed on Attachment 5. 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 16, column 5 minus amortization of regulatory assets (page 3, Line 15, col. 5). Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, Line 57 in the Form 1. As agreed to as part of the settlement of Docket No. ER21-253 and ER21-265, Cash Working Capital is a challengeable input that is capped at one-eighth of O&M and A&G allocated to transmission at page 3, Line 9, column 5 minus amortization of regulatory assets (page 3, Line 8, col. 5) unless supported by a fully-developed and reliable lead/lag study. Interested parties will not challenge the input for the cash working capital allowance for three (3) rate years following the effective date of the ultimately settled formula, provided that the CWC input does not exceed the one-eighth cap. In no case shall the calculation include service company depreciation expense in the cash working capital base.
- I Line 9 – 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 10 – 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 and taxes non-functionalized to Transmission are not included in transmission revenue requirement in the Rate Formula Template, since Template since they are recovered elsewhere.
- KJ 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 322.5).
- Inputs Required:
- |       |   |
|-------|---|
| FIT = | 0.00%   |
| SIT = | 0.00% (State Income Tax Rate or Composite SIT)                |
| p =   | (percent of federal income tax deductible for state purposes) |
- LK 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.
- ML 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).
- NM 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.
- ON Enter dollar amounts
- PO Debt cost rate = Attachment 10, Column (j) total. Preferred cost rate = preferred dividends (Line 30) / preferred outstanding (Line 32). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. No change in ROE may be made absent a filing with FERC under Section 205 of the Federal Power Act. The ROE consists of a base ROE of 9.95% and a 50 basis point adder for participation in an RTO as eligible and consistent with the terms of the Settlement Agreement in Docket No. ER21-253-000.
- QP Page 4, Line 37 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.
- RQ Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- SR Excludes revenues unrelated to transmission services.
- TS The revenues credited on page 1, Lines 2-46 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 5 is supported by its own reference.
- UT Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC. FERC account 405 – Amortization of Other Electric Plant amounts are excluded unless approved and authorized by FERC.
- VU On Page 4, Line 40, 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 AP Zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects, unless provisions per settlement agreement section 2.23 requires inclusion.
- 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.

<del>XV</del>	Calculate using a 13-month average balance.
<del>Y</del>	<del>Calculate using average of beginning and end of year balance.</del>
<del>ZW</del>	Includes only CWIP authorized by the Commission for inclusion in rate base.
<del>AA</del> <del>X</del>	Any actual ROE incentive must be approved by the Commission; therefore, Line will remain zero until a project(s) is granted a ROE incentive adder.
<del>BB</del>	<del>A&amp;G adjustment to address specific assignment to distribution or transmission</del>
<del>CC</del>	<del>Vegetation Management Surcharge rider specific to West Virginia</del>
<del>DD</del> <del>Y</del>	Sub-transmission includes assets below 100 kV, but which reside in transmission FERC accounts
	<del>EE</del> <del>Z</del> To the extent transmission assets are transferred to KATCo, a proration factor will be applied on a percent of the transmission gross plant transferred
AA	The SFCs shall utilize a W/S allocator to the extent that it aligns with distribution treatment, to become effective following the filing of the Settlement in Docket No. ER21-253 with a sunset of three years. After the sunset period, any revenue credits shall be credited to the formula rate ten in the same manner as the underlying associated plant assets or expenses that generate the credits.
BB	Calculates using a 13-month average balance. The Capitalization ratio for a capital component is the ratio of that component's capitalization to total company capitalization, subject to a total equity ceiling (i.e., preferred and common equity) of 56%
Actual equity capitalization: 0.0% Equity Cap Not Triggered	



**Schedule 1A Rate Calculation**

1	\$	-	Attachment H-11A, Page 4, Line 7
2			<u>Revenue Credits for Sched 1A - Note A</u>
3	\$	-	Net Schedule 1A Expenses (Line 1 - Line 2)
4			Annual MWh in AP Zone - Note B
5		#DIV/0!	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 AP Zone during the year used to calculate rates under Attachment H-11A
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the AP Zone. Data from RTO settlement systems for the calendar year prior to the rate year.

ROE Calculation

Attachment H -11A, Attachment 2  
page 1 of 1  
For the 12 months ended 12/31/2021

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
4	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
5	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
6	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
7	Common Stock		Attachment 8, Line 14, Col. 8	0
	Capitalization			
8	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
9	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
10	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
11	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
12	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
13	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
14	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
15	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
16	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
17	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5	0.44351045
18	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
21	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
22	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

	<b>Income Tax Rates</b>			
23	$T = 1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
24	$\text{CIT} = (T / (1 - T)) * (1 - \text{WCLTD} / \text{R}) =$	Calculated	#DIV/0!	
25	$1 / (1 - T)$	Attachment H-11A, page 3, Line 32, Col. 3		-
26	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
27	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
28	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
29	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
30	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
31	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
32	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
33	Total Income Taxes	Sum lines 29 to 32	#DIV/0!	

Return and Taxes

34	Return and Income taxes with ROE	(Line 22 + Line 33)	#DIV/0!
35	Return with ROE	Attachment H-11A, Page 3, Line 41, Col. 5	#DIV/0!
36	Income Tax with ROE	Attachment H-11A, Page 3, Line 40, Col. 5	#DIV/0!

Notes:

Line 17 will reflect the ROE, as reflected on Attachment H-11A, Page 4, Line 33, Col. 5

Incentive ROE Calculation

Return Calculation

			Source Reference	
1	Rate Base		Attachment H-11A, page 2, Line 35, Col. 5	#DIV/0!
2	Preferred Dividends	enter positive	Attachment H-11A, page 4, Line 30, Col. 6	0
3	Common Stock			
4	Proprietary Capital		Attachment 8, Line 14, Col. 1	0
5	Less Preferred Stock		Attachment 8, Line 14, Col. 3	0
6	Less Accumulated Other Comprehensive Income Account 219		Attachment 8, Line 14, Col. 6	0
7	Less Account 216.1, Renaissance Adj, AGC adj & Goodwill		Attachment 8, Line 14, Col. 2, 4, 5 & 7	0
8	Common Stock		Attachment 8, Line 14, Col. 8	0
9	Capitalization			
10	Long Term Debt		Attachment H-11A, page 4, Line 31, Col. 3	0
11	Preferred Stock		Attachment H-11A, page 4, Line 32, Col. 3	0
12	Common Stock		Attachment H-11A, page 4, Line 33, Col. 3	0
13	Total Capitalization		Attachment H-11A, page 4, Line 34, Col. 3	0
14	Debt %	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 4	0.0000%
15	Preferred %	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 4	0.0000%
16	Common %	Common Stock	Attachment H-11A, page 4, Line 33, Col. 4	0.0000%
17	Debt Cost	Total Long-Term Debt	Attachment H-11A, page 4, Line 31, Col. 5	#DIV/0!
18	Preferred Cost	Preferred Stock	Attachment H-11A, page 4, Line 32, Col. 5	0.0000
19	Common Cost	Common Stock	Attachment H-11A, page 4, Line 33, Col. 5 plus 100 bps (NOTE A)	0.1235145
20	Weighted Cost of Debt	Total Long-Term Debt (WCLTD)	(Line 12 * Line 15)	#DIV/0!
21	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.0000
22	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.0000
23	Rate of Return on Rate Base (ROR)		(Sum Lines 18 to 20)	#DIV/0!
24	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 21)	#DIV/0!

Income Taxes

<b>Income Tax Rates</b>				
25	T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =	Attachment H-11A, page 3, Line 30, Col. 3		0.00%
26	CIT=(T/(1-T)) * (1-(WCLTD/R)) =	Calculated	#DIV/0!	
27	1 / (1 - T)	Attachment H-11A, page 3, Line 32, Col. 3		-
28	Amortized Investment Tax Credit (266.8.f) (enter negative)	Attachment H-11A, page 3, Line 33, Col. 3		-
29	Tax Effect of Permanent Differences and AFUDC Equity	Attachment H-11A, page 3, Line 34, Col. 3		-
30	(Excess)/Deficient Deferred Income Taxes	Attachment H-11A, page 3, Line 35, Col. 3		-
31	Income Tax Calculation	(line 22 * line 24)	#DIV/0!	
32	ITC adjustment	Attachment H-11A, page 3, Line 37, Col. 5		-
33	Permanent Differences and AFUDC Equity Tax Adjustment	Attachment H-11A, page 3, Line 38, Col. 5		-
34	(Excess)/Deficient Deferred Income Tax Adjustment	Attachment H-11A, page 3, Line 39, Col. 5		-
35	Total Income Taxes	Sum lines 29 to 32	#DIV/0!	

Incremental Return and Taxes

36	Return and Income taxes with scaled basis pts adder	(Line 22 + Line 33)	#DIV/0!
37	Return with incentive adder	Line 22	#DIV/0!
38	Income Tax with incentive adder	Line 33	#DIV/0!
39	Incremental Return and incomes taxes for increase in ROE	Line 34 minus Attachment 2 Line 34	#DIV/0!
40	Rate Base	Line 1	#DIV/0!
41	Incremental Return and incomes taxes for increase in ROE divided by rate base	Line 37 / Line 38	#DIV/0!

Notes:  
[A] Line 17 - ROE adder is a scaling factor to calculate the incremental return and income taxes, which will be utilized to calculate additional revenue requirement only in the instance there exists Commission approved ROE incentive projects.

Incentive ROE NITS Worksheet Support																	Attachment H-11A, Attachment 2b	
Net Plant Detail																	page 1 of 2	
																	For the 12 months ended 12/31/2021	
Line No.	Project Name (Note A)	RTEP Project Number	Project Gross Plant (Note B)	Dec-20 (Note C)	Jan-21 (Note C)	Feb-21 (Note C)	Mar-21 (Note C)	Apr-21 (Note C)	May-21 (Note C)	Jun-21 (Note C)	Jul-21 (Note C)	Aug-21 (Note C)	Sep-21 (Note C)	Oct-21 (Note C)	Nov-21 (Note C)	Dec-21 (Note C)		
1a			#DIV/0!															
1b			#DIV/0!															
1c			#DIV/0!															
1d			#DIV/0!															
1e			#DIV/0!															
1f			#DIV/0!															

Attachment H-11A, Attachment 2b  
page 1 of 2  
For the 12 months ended 12/31/2021

2

NOTE

Subtotal

[A]

Utilize only in the instance there exists Commission approved ROE incentive projects

[B]

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

[C] Company records



			Gross Plant Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average		[A] [C]	-	-	-	-	-	-	-	-
			Production	Transmission	Distribution	Intangible	General	Common		Total	
15	December	2020	[B] 205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1		-	
16	January	2021								-	
17	February	2021								-	
18	March	2021								-	
19	April	2021								-	
20	May	2021								-	
21	June	2021								-	
22	July	2021								-	
23										-	
24	September	2021								-	
25	October	2021								-	
26	November	2021								-	
27	December	2021								-	
28	13-month Average									-	
			Production	Transmission	Distribution	Intangible	General	Common			
29	December	2020	[B] 205.44.g	207.57.g	207.74.g	company records	207.98.g	company records			
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average										

Notes:

- [A] Taken to Attachment H-11A, page 2, Lines 1-5, Col. 3  
[B] Reference for December balances as would be reported in FERC Form 1.  
[C] Balance excludes Asset Retirements Costs  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission



			Accumulated Depreciation Calculation								
			[1] Production	[2] Sub-Transmission [D]	[3] Transmission [E]	[4] Distribution [F]	[5] Intangible	[6] General	[7] Common	[8] Total	
1	December	2020	-		-	-	-	-	-	-	
2	January	2021	-		-	-	-	-	-	-	
3	February	2021	-		-	-	-	-	-	-	
4	March	2021	-		-	-	-	-	-	-	
5	April	2021	-		-	-	-	-	-	-	
6	May	2021	-		-	-	-	-	-	-	
7	June	2021	-		-	-	-	-	-	-	
8	July	2021	-		-	-	-	-	-	-	
9	August	2021	-		-	-	-	-	-	-	
10	September	2021	-		-	-	-	-	-	-	
11	October	2021	-		-	-	-	-	-	-	
12	November	2021	-		-	-	-	-	-	-	
13	December	2021	-		-	-	-	-	-	-	
14	13-month Average	[A] [C]	-	-	-	-	-	-	-	-	-
			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	2020									-
16	January	2021									-
17	February	2021									-
18	March	2021									-
19	April	2021									-
20	May	2021									-
21	June	2021									-
22	July	2021									-
23											-
24	September	2021									-
25	October	2021									-
26	November	2021									-
27	December	2021									-
28	13-month Average		-	-	-	-	-	-	-	-	-
			Production	Transmission	Distribution	Intangible	General	Common			
		[B]	Company Records	Company Records	Company Records	Company Records	Company Records	Company Records			
29	December	2020									
30	January	2021									
31	February	2021									
32	March	2021									
33	April	2021									
34	May	2021									
35	June	2021									
36	July	2021									
37	August	2021									
38	September	2021									
39	October	2021									
40	November	2021									
41	December	2021									
42	13-month Average		-	-	-	-	-	-	-	-	-

Notes:  
[A] Taken to Attachment H-11A, 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  
[D] Sub-transmission balance from company records  
[E] Transmission amount excludes sub-transmission  
[F] Distribution amount includes sub-transmission

				[1] Acct. No. 281 (enter negative)	[2] ADIT Transmission Total (enter negative) [B]	[3] Acct. No. 283 (enter negative) [C]	[4] Acct. No. 190 [D]	[5] Acct. No. 255 (enter negative) [E]	[6] Total
1	December 31	12/31/2021	[A]	-	-	-	-	-	-
					ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)				
2	December 31	12/31/2021	[G]	-	-	-	-	-	-

Notes:

[A]	Year-end balance with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Attachment H-11A, page 2, Lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
[B]	FERC Account No. 282 is adjusted for the following items.
3	12/31/2021
[C]	FERC Account No. 283 is adjusted for the following items.
4	12/31/2021
[D]	FERC Account No. 190 is adjusted for the following items.
5	12/31/2021
[E]	See Attachment H-11A, 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).
[F]	Sourced from Attachment 5b, page 1, col. O for PTRR & Attachment 5C, page 2, col. O for ATRR
[G]	Sourced from Attachment 5a, page 1, Lines 1-5, 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.

Line	1	Summary of Transmission ADIT (Prior to adjusted items)		
		2	3	4
		Transmission	End Plant & Labor Related Allocated to Transmission	Total Transmission Ending (col. 2 + col. 3) (Note E)
		(Note F)	(page 1, Col. K)	(Note E)
1	ADIT- 282 From Account Subtotal Below	-	-	-
2	ADIT-283 From Account Subtotal Below	-	-	-
3	ADIT-190 From Account Subtotal Below	-	-	-
4	ADIT-281 From Account Subtotal Below	-	-	-
5	ADIT-255 From Account Subtotal Below	-	-	-
	Total (sum rows 1-5)	-	-	-

Line	Summary of Transmission ADIT (Prior to adjusted items)					
	A	B	C	D	E	F
	End Plant Related	End Labor Related	Plant & Labor Subtotal	Gross Plant Allocator	Wages & Salary Allocator	End Plant & Labor Related ADIT (Col. A * Col. D) + (Col. B * Col. E)
	(Note A)	(Note B)	Col. A + Col. B	(Note C)	(Note D)	
1	ADIT- 282 From Account Total Below	-	-	0.00%	100.00%	-
2	ADIT-283 From Account Total Below	-	-	0.00%	100.00%	-
3	ADIT-190 From Account Total Below	-	-	0.00%	100.00%	-
4	ADIT-281 From Account Total Below	-	-	0.00%	100.00%	-
5	ADIT-255 From Account Total Below	-	-	0.00%	100.00%	-
6	Subtotal	-	-	-	-	-

- Notes
- A From column F (beginning on page 2)
  - B From column G (beginning on page 2)
  - C Refers to Attachment H-11A, page 2, line 6, col. 4
  - D Refers to Attachment H-11A, page 4, line 16, col.6
  - E Total Transmission Ending taken to Attachment 5, line 2
  - F From column E (beginning on page 2) by account

A	B	C	D	E	F	G	Attachment H-11A, Attachment 5a page 2 of 6 For the 12 months ended 12/31/2021
ADIT-190	End of Year Balance p234.18.c	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
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Instructions for Account 190:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT- 282	End of Year Balance p275.9.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Subtotal	-	-	-	-	-	-	

Attachment H-11A, Attachment 5a  
page 3 of 6  
For the 12 months ended 12/31/2021

### JUSTIFICATION

**Instructions for Account 282:**

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

							Attachment H-11A, Attachment 5a page 4 of 6 For the 12 months ended 12/31/2021
A	B	C	D	E	F	G	
ADIT-283	End of Year Balance p277.19.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
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Instructions for Account 283:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.
2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
3. ADIT items related only to Transmission are directly assigned to Column E.
4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

A	B	C	D	E	F	G	
ADIT-281	End of Year Balance p273.8.k	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal - - - - -

Instructions for Account 281:

1. ADIT items related only to Retail Related Operations are directly assigned to Column C.

2. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.

3. ADIT items related only to Transmission are directly assigned to Column E.

4. ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.

5. ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.

6. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.

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A	B	C	D	E	F	G	
ADIT-255	End of Year Balance p267.h	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION

Subtotal	-	-	-	-	-	-	
----------	---	---	---	---	---	---	--

Instructions for Account 255:

- ADIT items related only to Retail Related Operations are directly assigned to Column C.
- ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column D.
- ADIT items related only to Transmission are directly assigned to Column E.
- ADIT items related to Plant and not in Columns C, D & E are directly assigned to Column F.
- ADIT items related to labor and not in Columns C, D, E & F are directly assigned to Column G.
- Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates. Therefore, if the item giving rise to the ADIT is not included in the formula, the associated ADIT amount shall be excluded.



Line		2021 Quarterly Activity and Balances							
		A	B	C	D	E	F	G	H
1	PTRR	Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity
2	PTRR	Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4
3	PTRR	Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity
4	PTRR	Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4
5	PTRR	Beginning 283 Including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity
6	PTRR	Beginning 283 Including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4

Line	Account	2021 PTRR						
		J	K	L	M	N	O	P
		Attachment 5-ADIT Summary, Line 2		Page 1, B+D+F+H	Page 1, row 2,4,6 Column A+B+D+F+H	J-L Attachment 5-ADIT Summary, Lines 3, 4, and 5	M-N	Line 7= J-N-O Lines 8-9= -J+N+O
		Estimated Ending Balance (Before Adjustments)	Projected Activity	Prorated Ending Balance	Prorated - Estimated End (Before Adjustments)	Sum of end ADIT Adjustments	Normalization	Ending ADIT Balance Included in Formula Rate
7	PTRR	Total Account 190	0	0	-	-	-	-
8	PTRR	Total Account 282	-	0	0	-	-	-
9	PTRR	Total Account 283	-	0	0	-	-	-
10	PTRR	Total ADIT Subject to Normalization	-	-	-	-	-	-

Notes:  
1. Attachment 5b will only be populated within the PTRR

		2021 Quarterly Activity and Balances								
Line		A	B	C	D	E	F	G	H	I
		Beginning 190 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
1	PTRR			0		0		0		0
2	ATRR			0		0		0		0
		Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
3	PTRR	0	0		0		0		0	
4	ATRR	0	0		0		0		0	
		Beginning 282 (including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
5	PTRR			0		0		0		0
6	ATRR			0		0		0		0
		Beginning 282 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7	PTRR	0	0		0		0		0	
8	ATRR	0	0		0		0		0	
		Beginning 283 including adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
9	PTRR			0		0		0		0
10	ATRR			0		0		0		0
		Beginning 283 including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11	PTRR	0	0		0		0		0	
12	ATRR	0	0		0		0		0	

2021 PTRR

Line	Account	2021 PTRR						G Line 1= A-E-F Lines 2-3= -A+E+F
		A Estimated Ending Balance (Before Adjustments)	B Projected Activity	C Page 1, row 3,7,11 Column A+B+D+F+H Prorated Ending Balance	D A-C Prorated - Estimated End (Before Adjustments)	E Sum of end ADIT Adjustments	F Normalization	
1	PTRR Total Account 190		0	0	-			-
2	PTRR Total Account 282		0	0	-			-
3	PTRR Total Account 283		0	0	-			-
4	PTRR Total ADIT Subject to Normalization	-	-	-	-	-	-	-

2021 ATRR

Line	Account	2021 ATRR								P Line 5= H-M-O _____ Lines 6-7= -H+M+O
		H Actual Ending Balance (Before Adjustments)	I Actual Activity	J Page 1, row 4,8,12 column A+B+D+F+H Prorated Ending Balance	K H-J Prorated - Actual End (Before Adjustments)	L D-K Prorated Activity Not Projected	M Sum of end ADIT Adjustments	N ADIT Adjustments not projected	O Normalization	
5	ATRR Total Account 190		0	0	-	-		-	-	-
6	ATRR Total Account 282		0	0	-	-		-	-	-
7	ATRR Total Account 283		0	0	-	-		-	-	-
8	ATRR Total ADIT Subject to Normalization	-	-	-	-	-	-	-	-	-

Notes:  
1. Attachment 5c will only be populated within the ATRR

1 **Calculation of PBOP Expenses**

	<b><u>Amount</u></b>	<b><u>Source</u></b>
2		
3	Total FirstEnergy PBOP expenses	-\$15,646,300 FirstEnergy 2019 Actuarial Study
4	Labor dollars (FirstEnergy)	\$2,161,999,525 FirstEnergy 2019 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0072
6	labor (labor not capitalized) current year, transmission only	
7	PBOP Expense for current year (line 5 * line 6)	\$0 WEST PENN POWER Labor: Company Records
8	PBOP expense in Account 926 for current year, total company	
9	W&S Labor Allocator	100.000% WEST PENN POWER Account 926: Company Records
10	Allocated Transmission PBOP (line 8 * line 9)	-
11	PBOP Adjustment for Attachment H-11A, page 3, line 436 (line 7 - line 10)	-

12 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			Attachment H-11A, Attachment 7 page 1 of 1 For the 12 months ended 12/31/2021
		[A]	12/31/2021
1	Payroll Taxes		
1a		263.i	
1b		263.i	
1c		263.i	
1d		263.i	
1z	Payroll Taxes Total		-
2	Highway and Vehicle Taxes		
2a		263.i	
2z	Highway and Vehicle Taxes		-
3	Property Taxes		
3a		263.i	
3b		263.i	
3c		263.i	
3d		263.i	
3z	Property Taxes		-
4	Gross Receipts and Taxes Non-Functionalized to Transmission		
	Gross Receipts		
4a		263.i	
4b	Taxes Non-Functionalized to Transmission [B]		
4c		263.i	
4d			
4z	Gross Receipts and Taxes Non-Functionalized to Transmission		-
5	Other Taxes		
5a		263.i	
5b		263.i	
5c		263.i	
5d			
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]		\$0.00

Notes:

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

[B] Includes items that are not functionalized to transmission

			Capital Structure Calculation								
			[1] Proprietary Capital 112.16.c	[2] AGC Investment Equity Adj [B] Company Records	[3] Preferred Stock 112.3.c	[4] Account 216.1 112.12.c	[5] Account 216.1 Renaissance Adj [C] Company Records	[6] Account 219 112.15.c	[7] Goodwill 233.5.f	[8] Common Stock (1) - (2) - (3) - (4) - (5) - (6) - (7)	[9] Long Term Debt 112.18-21.c
1	December	2020	[A]							-	
2	January	2021								-	
3	February	2021								-	
4	March	2021								-	
5	April	2021								-	
6	May	2021								-	
7	June	2021								-	
8	July	2021								-	
9	August	2021								-	
10	September	2021								-	
11	October	2021								-	
12	November	2021								-	
13	December	2021								-	
14	13-month Average			-	-	-	-	-	-	-	-

Notes:

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

[B] AGC's capital structure adjustment per FERC Docket No. ER84-504-000

[C] Renaissance issued securitized debt in 2007 and the proceeds were distributed up to West Penn Power ~~Mon Power~~ in the form of a dividend. The balance in account 216.1 related to Renaissance does not require exclusion as there is an offsetting amount in account 216 and therefore no impact on total equity.

Stated Value Inputs

Formula-Rate Protocols  
Section VIII.A

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

SFC's ROE is set to: 11.35%

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

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

Total FirstEnergy PBOP expenses \$15,646,309  
Labor dollars (FirstEnergy) \$2,161,000,525  
cost per labor dollar \$0.0072

3. Depreciation Rates (1)

FERC Account	WPP Depr %
350.2	1.64%
352	1.60%
353.1	1.63%
353.4	0.09%
354	1.31%
355	2.46%
356.1	1.58%
356.2	1.17%
358	2.06%
389.2	1.26%
390.1 (2)	0.19% to 4.11%
391.1	5.95%
391.2	15.56%
391.3	4.81%
391.5	11.03%
392.1	13.37%
392.2	7.84%
392.3	1.49%
392.4	2.08%
392.5	0.00%
392.6	7.08%
393	4.64%
394	6.82%
395	1.83%
396	2.26%
397	8.35%
398	7.56%

Note: (1) Account 303 amortization period is 7 years.

(2) Account 390.1 contains asset-specific depreciation rates; these rates are within the range listed

\_\_\_\_\_



## Debt Cost Calculation

**TABLE 1: Summary Cost of Long Term Debt**

### CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
					Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z* ((col e. * col. F)/12)	Weighted Outstanding Ratios (col. g/col. g total)	Effective Cost Rate (Table 2, Col. <del>Hkk</del> )	Weighted Debt Cost at t = N (h) * (i)
	t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE (table 2, col. cc)	Net Proceeds At Issuance (table 2, col. <del>hhgg</del> )					

Long Term Debt Cost 12/31/2021

at Year Ended:

First Mortgage Bonds:

- (1)
- (2)
- (3)
- (4)
- (5)

\*\*

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.

\* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month.).

Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).

\*\* This Total Weighted Average Debt Cost will be shown on page 4, line 31, column 5 of formula rate Attachment H-11A.

**TABLE 2: Effective Cost Rates For Traditional Front-Loaded Debt Issuances:**

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hhgg)	(ihh)	(jji)	(kkji)	(Hkk)
	Issue	Maturity	Amount	(Discount)	Issuance	Loss/Gain on	Less Related	Net	Net	Coupon	Annual	Effective Cost Rate*
<u>Long Term Debt</u> <u>Issuances</u>	Date	Date	Issued	Premium at Issuance	Expense	Reacquired Debt	ADFF	Proceeds (col. cc + col. dd - col. ee - col. ff)	Proceeds Ratio (col. hh-gg/ col. cc) *100)	Rate	Interest	(Yield to Maturity at Issuance, t = 0)
Affiliate												(col. cc *col. <del>jji</del> )

- (1)
- (2)
- (3)
- (4)
- (5)

## TOTALS

\* 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  $C_0$  equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows ( $C_{t=1}$ ,  $C_{t=2}$ , etc.).

The diagram illustrates a sequence of operations on a stack. The stack initially contains elements 1, 2, 3, 4, 5. Operation 1 (push) adds element 6. Operation 2 (pop) removes element 6. Operation 3 (pop) removes element 5. Operation 4 (pop) removes element 4. Operation 5 (pop) removes element 3. Operation 6 (pop) removes element 2. Operation 7 (pop) removes element 1. The stack is empty after operation 7.

**Transmission Enhancement Charge (TEC) Worksheet**  
To be completed in conjunction with Attachment H-11A

Line No.	(1)  Reference	(2)  Transmission	(3)  Allocator
1	Gross Transmission Plant - Total	Attach. H-11A, p. 2, line 2, col. 5 (Note A)	
2	Net Transmission Plant - Total	Attach. H-11A, p. 2, line 14, col. 5 (Note B)	
	O&M EXPENSE		
3	Total O&M Allocated to Transmission	Attach. H-11A, p. 3, line <del>169</del> , col. 5	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col. 3)	
	GENERAL, INTANGIBLE, AND COMMON (G,I, & C) DEPRECIATION EXPENSE		
5	Total G, I, & C depreciation expense	Attach. H-11A, p. 3, lines <del>181</del> & <del>2013</del> , col. 5	
6	Annual allocation factor for G, I, & C depreciation expense	(line 5 divided by line 1, col. 3)	
	TAXES OTHER THAN INCOME TAXES		
7	Total Other Taxes	Attach. H-11A, p. 3, line <del>292</del> , col. 5	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col. 3)	
9	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, &amp; 8</b>	
	INCOME TAXES		
10	Total Income Taxes	Attach. H-11A, p. 3, line <del>4033</del> , col. 5	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col. 3)	
	RETURN		
12	Return on Rate Base		
13	Annual Allocation Factor for Return on Rate Base	Attach. H-11A, p. 3, line <del>341</del> , col. 5 (line 12 divided by line 2, col. 3)	
14	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>	

					Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-11A					For the 12 months ended 12/31/2021					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
				Annual	Annual		Annual	Project	Annual	ROE Basis Pts Adder for	Additional Incentive Annual Allocation	Total Annual Revenue		Net Revenue Requirement	
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Factor for Return	Return Charge	Depreciation Expense	Revenue Requirement	Incentive Projects	Factor for Return (Note F)	Requirement	True-up Adjustment	with True-up
1			(Note C & H)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Note F)	Page 2 Col. 6 *(Attachment H-11A, Page 4, line 29 *(Page 2, Col. 11/100))	(Sum Col. 10 & 12)	(Note G)	(Sum Col. 13 & 14)

3 Transmission Enhancement Credit taken to Attachment H-11A Page 1, Line-57, Col. 3

4 Additional Incentive Revenue taken to Attachment H-11A, Page 3, Line-4437, Col. 3

#### Notes

A —Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-11A.

B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-11A.

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-11A, page 3, line 170.

F —Enter Commission approved project specific ROE incentive basis points adder which is a scaled factor against a 100 to derive the approved percentage adder

G —True-up adjustment is calculated on the project true-up schedule, attachment 12 column J. Enter values in Col. 14 as negative

H Based on a 13-month average

				Attachment H-11A, Attachment 11a												
				page 1 of 2												
				For the 12 months ended 12/31/2021												
TEC Worksheet Support																
Net Plant Detail																
Line No.	Project Name	RTEP Project Number	Project Gross Plant (Note A)	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)

## NOTE:

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

TEC Worksheet Support															
Net Plant Detail															
Accumulated Depreciation (Note B)														Project Net Plant (Note B & C)	
	Dec-20 (Note D)	Jan-21 (Note D)	Feb-21 (Note D)	Mar-21 (Note D)	Apr-21 (Note D)	May-21 (Note D)	Jun-21 (Note D)	Jul-21 (Note D)	Aug-21 (Note D)	Sep-21 (Note D)	Oct-21 (Note D)	Nov-21 (Note D)	Dec-21 (Note D)		

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)
Actual											
Line No.		Project Name	RTEP Project Number	Revenues for Attachment 11	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)
				Attachment 13b line 26, col E	Projected Attachment 11 p 2 of 2, col. 15	Col d, line 2 / col. d, line 3	Col c, line 1 * Col e	Actual Attachment 11 p 2 of 2, col. 15	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			-	-	-	-	-		
2b		Project _-2				-	-		-		
2c		Project 3				-	-		-		
3		Subtotal			-			-	-		
4		Total Interest (Sourced from Attachment 13a, line-3046)									-

NOTE  
~~E-~~

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





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**TEC Revenue Requirement True-up with Interest**

(i)		Reconciliation Revenue Requirement For Year 20XX, Available June 15, 20XX (b)	:	20XX Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 20XX	=	True-up Adjustment - Over (Under) Recovery	=	\$0
		Note (b)		Note (b)				
		\$0		\$0				\$0
An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX								
Line	(A) Month	(B) 20-Months Average Interest Rate (a)	(C) Monthly	(D) True-Up Adj.	(E) Interest	(F) Compounding		
1	Jan-21		-	0.0833	-	-		
2	Feb-21	-	-	0.1667	-	-		
3	Mar-21	-	-	0.2500	-	-		
4	Apr-21	-	-	0.3333	-	-		
5	May-21	-	-	0.4167	-	-		
6	Jun-21	-	-	0.5000	-	-		
7	Jul-21	-	-	0.5833	-	-		
8	Aug-21	-	-	0.6667	-	-		
9	Sep-21	-	-	0.7500	-	-		
10	Oct-21	-	-	0.8333	-	-		
11	Nov-21	-	-	0.9167	-	-		
12	Dec-21	-	-	1.0000	-	-		
13			Year 1 True-Up Adjustment + Interest	1.0000				
14	Jan-22	-	-	1.0000	-	-		
15	Feb-22	-	-	1.0000	-	-		
16	Mar-22	-	-	1.0000	-	-		
17	Apr-22	-	-	1.0000	-	-		
18	May-22	-	-	1.0000	-	-		
19	Jun-22	-	-	1.0000	-	-		
20	Jul-22	-	-	1.0000	-	-		
21	Aug-22	-	-	1.0000	-	-		
22	Sep-22	-	-	1.0000	-	-		
23	Oct-22	-	-	1.0000	-	-		
24	Nov-22	-	-	1.0000	-	-		
25	Dec-22	-	-	1.0000	-	-		
26			Year 2 True-Up Adjustment + Interest	1.0000				
27			Principle Amortization	0.08333				
28			Interest Amortization	-	(Found using Excel Solver/Goal Seek/or equivalent) Note [c]			
29	Jan-23	-	-	0.9167	-	-		
30	Feb-23	-	-	0.8333	-	-		
31	Mar-23	-	-	0.7500	-	-		
32	Apr-23	-	-	0.6667	-	-		
33	May-23	-	-	0.5833	-	-		
34	Jun-23	-	-	0.5000	-	-		
35	Jul-23	-	-	0.4167	-	-		
36	Aug-23	-	-	0.3333	-	-		
37	Sep-23	-	-	0.2500	-	-		
38	Oct-23	-	-	0.1667	-	-		
39	Nov-23	-	-	0.0833	-	-		
40	Dec-23	-	-	-	-	-		
41			Year 3 True-Up Adjustment + Interest	-				
42			Total Amount Refunded/Surcharged	1.0000				
43			True-Up Before Interest	1.0000				
44			Interest Refunded/Surcharged	-				
45	Base Over (Under) Recovery			\$0				
46	Interest			\$0				
47	Total Over (Under) Recovery plus True-Up with Interest			\$0				

[a] Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19a and published on the FERC website. Interest rates will be used to calculate the time value of money for the period that the True-up exists. The interest rate to be applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.

[b] The ATRR is used to compare against the billed revenue in the true-up calculation. This calculation excludes prior year true-up amounts.

[c] The goal is to determine the value to input in Col. (D), Line 28 such that the value in Col. (D), line 41 becomes zero. For example, using Excel's Goal Seek function, the goal would be to set Excel cell G64 to 0 by changing only Excel cell G48.

~~Attachment H-11A, Attachment 13a~~  
~~page 1 of 1~~  
~~For the 12 months ended 12/31/2021~~

Over (Under)	Surcharge
Recovery Plus	(Refund)

~~An over or under collection will be recovered prorata over 20XX, held for 20XX and returned prorata over 20XX~~

**Monthly**

~~Annual Compounded Monthly~~

**Monthly**

28	True-Up with Interest	\$
29	Less Over (Under) Recovery	\$
30	Total Interest	\$

Line	(A) Month	(B) PJM Bill NITS Charge Code (A)	(C) True-up (B)	(D) Other <u>(C)</u>	(E) Total
1	January	-			-
2	February	-			-
3	March	-			-
4	April	-			-
5	May	-			-
6	June	-			-
7	July	-			-
8	August	-			-
9	September	-			-
10	October	-			-
11	November	-			-
12	December	-			-
13	Total	-	-	-	-
	Month	PJM Bill TEC Charge Code (A)	True-up (B)	Other <u>(C)</u>	Total
14	January	-			-
15	February	-			-
16	March	-			-
17	April	-			-
18	May	-			-
19	June	-			-
20	July	-			-
21	August	-			-
22	September	-			-
23	October	-			-
24	November	-			-
25	December	-			-
26	Total	-	-	-	-

**Notes**

(A) Amounts represent a subset of the total PJM bill for the entire AP Zone

(B) The PJM NITS & TEC charges will include a true-up for the over/under recovery from a prior rate period. The total without trueup for NITS and TEC will be taken to Attachment 12 and Attachment 13 respectively.

(C) Any charges shall be entered as positives and refunds shall be entered as negatives. Includes any necessary prior period adjustments including those identified through the discovery or challenge procedures, as defined within the protocols.

### ~~Other Rate Base Items~~

		[1]	[2]	[3]	[4]	[5]	[6]
		Land Held for Future Use	Materials & Supplies	Prepayments (Account 165)		Total	
		[A] 214.x.d	227.8.e & 16.c	111.57.e[B]			
1—December 31	2020						
2—December 31	2021						
3—Begin/End Average							
		<b>Unfunded Reserve – Plant Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
4—December 31	2020						
5—December 31	2021						
6—Begin/End Average							
		<b>Unfunded Reserve – Labor Related</b>					<b>Total</b>
	<b>FERC Acct No.</b>	<b>228.1</b>	<b>228.2</b>	<b>228.3</b>	<b>228.4</b>	<b>242</b>	
	[A] [C]	112.27.e	112.28.e	112.29.e	112.30.e	113.48.e	
7—December 31	2020						
8—December 31	2021						
9—Begin/End Average							

Notes:

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

~~[B] Prepayments shall exclude prepayments of income taxes.~~

~~[C] Includes transmission-related balance only~~

[illegible]



~~Excess and Deficient ADIT~~  
~~Income Tax Adjus~~

~~Non-property (Note A):~~  
~~1 Account 190~~

#### ~~4 Non-property gross up for Taxes~~

~~Property (Note A):~~

6	Property Book Tax Timing Difference—Account 190
7	Property Book Tax Timing Difference—Account 282
8	Property Book Tax Timing Difference—Account 283
9	Property Gross up for Taxes

~~Upon a tax rate change (federal, state and/or, if applicable, state apportionments), the Company remeasures its deferred tax assets and liabilities to account for the new applicable corporate tax rate. For schedule M items not directly taken to the P&L, the result of this remeasurement is a change to the net deferred tax assets/liabilities recorded in accounts 190, 282, and 283 with a corresponding change in regulatory assets (account 182.3) and regulatory liabilities (account 254) to reflect the return of/collection from excess/deficient deferred taxes to/from customers. The remeasurement is effectuated within PowerTax and Tax Provision, which maintain both the timing difference and APB11 deferred tax balance (the historical ADIT based on the timing difference and the rate in effect when the timing difference occurred). The difference in the two results is reclassified from ADIT to regulatory assets/liabilities for deficient/excess ADIT. Within the FERC Form 1, deficient and excess ADITs in Account 182.3 and Account 254, respectively are presented grossed up for tax purposes. For ratemaking purposes, these grossed up balances are treated as FAS100 and subsequently removed from rate base, thereby ensuring rate base neutrality for tax rate changes. The Company would follow the process described above to remeasure ADIT balances (increase or decrease) due to any future income tax rate change.~~

~~B Beginning balance of year is the end of the prior year balance as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254)~~

~~C In the event the Company populates the data enterable fields, it will support the data entered as just and reasonable in its annual update~~

~~D The amortization periods shall be consistent with the following:~~

~~Protected Property & Non-Protected Property: ARAM, or directly assigned based on average remaining life of assets for property items not in PowerTax~~

~~Protected Non Property & Non Protected Non Property will be directly assigned and presented in the table above~~

~~E The amortization of the tax reg asset/liability will occur through FERC income statement Accounts 410.1 and 411.1 for property and 410.1 for non-property~~

~~F Ending balance of year is the end of current year balance, as reflected on FERC Form No. 1, pages 232 (Account 182.3) and 278 (Account 254).~~

~~G The amortization gross-up for taxes occurs on Attachment H-11A, page 3, line 39, Col. 3~~

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Abandoned Plant

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1.02	
1.03	
1.04	
1.05	
1.06	
1.07	
1.08	
1.09	
1.10	
2	Total

- Notes**
- (A) Only projects approved by the commission will be included
- (B) Amortization Amount will be entered at year 0, although the actual amortization will only begin after Commission accepts or approves recovery of the cost of abandoned plant. For all subsequent years, the beginning amount will be the ending balance from the previous year
- (C) Enter the year of amortization starting with 1 for the year the amortization begins and increment by 1 for every subsequent year until the amortization period ends
- (D) Average calculated as [Sum of Columns (B) through (N)] ÷ 13
- (E) Column O \* Attachment H-11A, page 4, line 34, col. 6
- (F) Column P \* Attachment H-11A, page 3, line ~~34~~24, col 3
- (G) Column A + Column P + Column Q
- (H) Revenue Requirement will not be billed until the year the amortization begins. Once a project is fully amortized, it will be removed from this attachment and will have no revenue requirement

Construction Work in Progress

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
L. n.	Project ID	Text Description	2020 December 31	2021 January 31	2021 February 28/29	2021 March 31	2021 April 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 September 30	2021 October 31	2021 November 30	2021 December 31	Average (a)
1	Construction Work in Progress (b)															
2a	[Placeholder 1]															-
2b	[Placeholder 2]															-
3	Total CWIP in Rate Base		-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Notes**

- (a) Average calculated as [Sum of Columns (C) through (O)] ÷ 13.
- (b) CWIP will not be included unless authorized by the Commission

~~Attachment H-11A, Attachment 18~~

page 1 of 1

For the 12 months ended 12/31/2021

**Federal Income Tax Rate**

Nominal Federal Income Tax Rate

~~(entered on Attachment H-11A, page~~  
5 of 5, Note ~~K~~J)

**State Income Tax Rate**

~~Combined Rate~~

~~(entered on Attachment H-11A,~~  
page 5 of 5, Note ~~K~~J)

Nominal State Income Tax Rate

Times Apportionment Percentage

Combined State Income Tax Rate

## Regulatory Assets

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
	Regulatory Asset Name (A)	Amortization Account	Source (B)	Amortization Amount (C)	Amortization Period (months)	Year (D)	Beginning of Amortization Period	Cumulative Months Amortized by end of year	Months Remaining at year beginning	Monthly Amort. Expense	Yearly Amort. Expense (E)	2020 Dec31	2021 Jan 31	2021 Feb 28/29	2021 Mar 31	2021 Apr 30	2021 May 31	2021 June 30	2021 July 31	2021 August 31	2021 Sept 30	2021 Oct 31	2021 Nov 30	2021 Dec 31	Average (F)
1.00																									
1.01																									
1.02																									
1.03																									
1.04																									
1.05																									
1.06																									
1.07																									
1.08																									
1.09																									
1.10																									
2	Total										-														

### Notes

(A) Only Regulatory Assets approved by the commission will be included

(B) Regulatory asset references to be noted based on FERC Page. Row. Col.#

(C) Amortization Amount to be entered at year 0. For all future years, the beginning amount will be the ending balance from the previous year

(D) Enter the year of amortization starting with 0 and increment by 1 for every subsequent year until the amortization period ends

(E) Total Yearly amortization expense from Col. (K) line 2 will be taken to Attachment H-11A, page 3, line ~~158~~, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 3, line ~~158~~, Col.3 will be 0

(F) Average calculated as [Sum of Columns (L) through (X)] ÷ 13. Total from Col (Y) line 2 will be taken to Attachment H-11A, page 2, line 27, Col.3 when the amortization begins. Until such time, Attachment H-11A, page 2, line 27, Col.3 will be 0

Operation and Maintenance Expenses

FF1-

Page-

321 Account

Line Reference

No. Description Account Balance [A]

82 *Operation*

83 560 Operation Supervision and Engineering

84

85 561.1 Load Dispatch Reliability

86 561.2 Load Dispatch Monitor and Operate Transmission System

87 561.3 Load Dispatch Transmission Service and Scheduling

88 561.4 Scheduling, System Control and Dispatch Services

89 561.5 Reliability, Planning and Standards Development

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

94 563 Overhead Lines Expense

95 564 Underground Lines Expense

96 565 Transmission of Electricity by Others

97 566 Miscellaneous Transmission Expense

98 567 Rents

99 TOTAL Operation (Enter Total of Lines 83 thru 98) \$0

100 *Maintenance*

101 568 Maintenance Supervision and Engineering

102 569 Maintenance of Structures

103 569.1 Maintenance of Computer Hardware

104 569.2 Maintenance of Computer Software

105 569.3 Maintenance of Communication Equipment

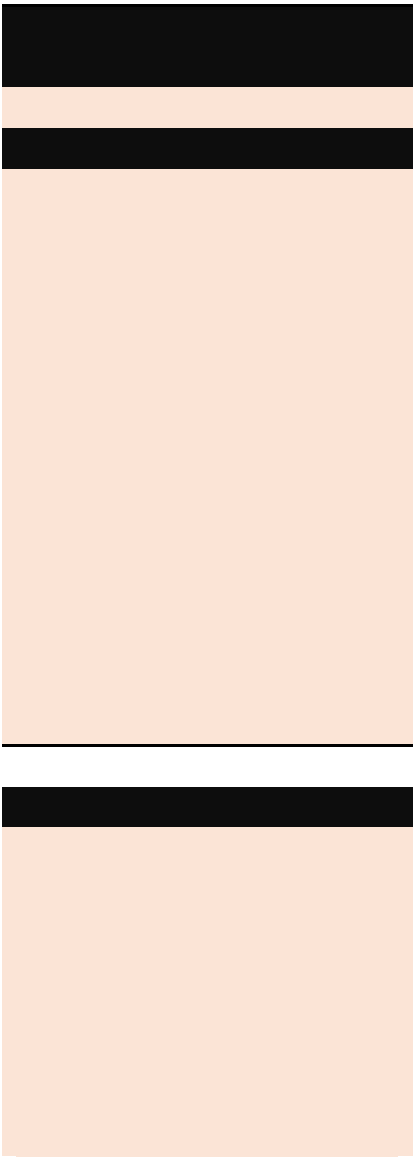
106 569.4 Maintenance of Miscellaneous Regional Transmission Plant

107 570 Maintenance of Station Equipment

108 571 Maintenance of Overhead Lines

109 572 Maintenance of Underground Lines

110 573 Maintenance of Miscellaneous Transmission Plant



**Administrative and General (A&G) Expenses**

FF1-  
Page

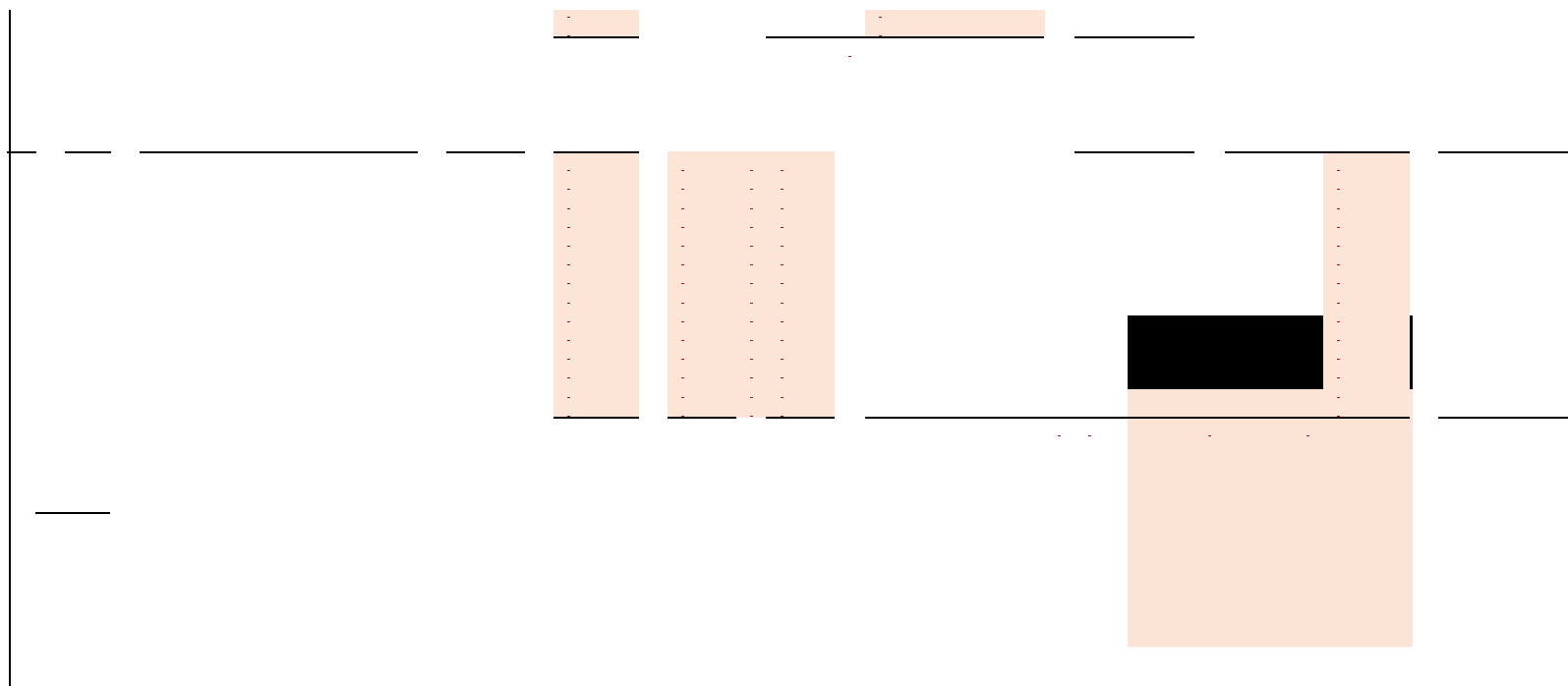
323 Account  
Line Reference

No.	Description	Account Balance [B]
180	<b>Operation</b>	
181	920 Administrative and General Salaries	
182	921 Office Supplies and Expenses	
183	Less 922 Administrative Expenses Transferred – Credit	
184	923 Outside Services Employed	
185	924 Property Insurance	
186	925 Injuries and Damages	
187	926 Employee Pensions and Benefits	
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	
193	931 Rents	
194	<b>Total Operation (Enter Total of lines 181 thru 193)</b>	\$0
195	<b>Maintenance</b>	
196	935 Maintenance of General Plant	
197	<b>TOTAL A&amp;G Expenses (Total of lines 194 and 196)</b>	\$0

Notes:

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

-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-





## ATTACHMENT H-11B

### Formula Rate Implementation Protocols —

#### South FirstEnergy Operating Companies (~~SFC~~“the SFCs”)

### ANNUAL TRUE-UP, INFORMATION EXCHANGE, AND CHALLENGE PROCEDURES

#### Definitions

~~“Actual Transmission Revenue Requirement”~~ or ~~“ATRR”~~ means the actual net transmission revenue requirement of ~~SFC~~the SFCs calculated and posted on the PJM website no later than June 15 of each year subsequent to calendar year 2021 for the immediately preceding calendar year in accordance with ~~SFC’s~~the SFCs’ Formula Rate and based upon ~~SFC’s~~the SFCs’ actual costs and expenditures.

~~“Annual Update”~~ means ~~SFC’s~~the SFCs’ ATRR for the preceding calendar year, as well as the True-up for the prior Rate Year, as posted on or before June 15 of each year.

~~“Formal Challenge”~~ means a written challenge to an Annual Update or Projected Transmission Revenue Requirement submitted to the Federal Energy Regulatory Commission (the ~~“Commission”~~ or ~~“FERC”~~) as provided in Section IV below.

~~“Formula Rate”~~ means the collection of formulas and worksheets, ~~unpopulated with any data,~~ included as Attachment H-11A of the PJM Tariff.

~~“Interested Parties”~~ include, but are not limited to, customers under the PJM Tariff, state utility regulatory commissions, the Organization of PJM States, Inc., consumer advocacy agencies, ~~and state attorneys general~~state attorneys general, and any party to any docket assigned by the Commission to the SFCs’ Formula Rate Filing and Annual Update, including Docket No. ER21-253-000 and related sub-dockets.

~~“PJM Tariff”~~ means the Open Access Transmission Tariff of the PJM Interconnection, L.L.C.-

"Preliminary Challenge" means a written challenge to the Annual Update or Projected Transmission Revenue Requirement submitted to ~~SFC~~the SFCs as provided in Section IV below.

"Projected Transmission Revenue Requirement" or "PTRR" means the projected net transmission revenue requirement of ~~SFC~~the SFCs calculated for the forthcoming Rate Year, as well as, where applicable, the most recently calculated True-up, with interest, to be posted on the PJM website no later than October ~~31~~1 of each year for rates effective the next calendar year starting January 1.

"Protective Agreement and Non-Disclosure Certificate" means the agreement and certificate executed by Interested Parties and their representatives for a Rate Year in order to obtain access to material that the SFCs deem confidential or that contains Critical Energy Infrastructure Information as that term is defined in 18 C.F.R. § 388.113(c)(1).

"Protocols" means these Protocols, included as Attachment H-11B of the PJM Tariff.

"Publication Date" means the date on which the Annual Update is posted on the PJM website.

"Rate Year" means the twelve consecutive month period that begins on January 1 and continues through December 31.

"True-up" means the difference between the revenues ~~collected~~received by ~~PJM based on the SFCs corresponding to the rate effective period of the~~ PTRR (net of the True-up from the prior year), and the ATRR<sub>1</sub> for the same Rate Year, which shall be provided in the Annual Update on or before June 15 of the year subsequent to the Rate Year. The True-up will be a component of the PTRR.

## **Section I. Applicability**

The following procedures shall apply to ~~SFC's~~the SFCs' calculation of their Actual Transmission Revenue Requirement, True-up, and Projected Transmission Revenue Requirement.

## **Section II. Annual Update and Projected Transmission Revenue Requirement**

- A. On or before June 15 of each year subsequent to calendar year ~~2021, SFC~~2022, the SFCs shall determine their Annual Update for the immediately preceding calendar year under Attachment H-11A and Section VII of these Protocols, including calculation of the True-up to be included in their PTRR for the subsequent Rate Year.

- B. On or before June 15 of each year subsequent to calendar year ~~2021~~, ~~SFC shall provide their Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website. Within two (2) days of such posting, SFC shall provide notice of such posting via an e-mail exploder list.~~ 2022, the SFCs shall
1. provide their Annual Update for the immediately preceding calendar year and Protective Agreement and Non-Disclosure Certificate to PJM and cause such information to be posted on the PJM website; and
  2. provide notice of such posting via the e-mail exploder list for the SFCs. Interested Parties can subscribe to the PJM email exploder list for the SFCs by request submitted to [SFCAnnualUpdate@firstenergycorp.com](mailto:SFCAnnualUpdate@firstenergycorp.com).
- C. On or before October 31, ~~2020~~2022, and on or before each subsequent October ~~31, SFC 1,~~ the SFCs shall-;
1. provide their PTRR to PJM and cause such information to be posted on the PJM website, in both a Portable Document Format (~~“(“PDF””)”~~) and fully-functioning Excel file, and ~~within two (2) days of posting of the PTRR, SFC shall provide notice of such posting via an e-mail exploder list.~~
  2. provide notice of such posting via the e-mail exploder list for the SFCs. Interested Parties can subscribe to the PJM email exploder list for the SFCs by request submitted to [SFCAnnualUpdate@firstenergycorp.com](mailto:SFCAnnualUpdate@firstenergycorp.com).
- D. On or before September 1, 2022, and on or before each subsequent August 1, the SFCs shall upon request provide any Interested Party with:
1. information showing (a) each transmission project forecasted to be placed into service in the following Rate Year that is expected to have a direct cost of \$1,000,000 (one million dollars) or greater, and a breakdown of the projected direct costs of each such project in as much detail as is reasonably available; and (b) purchases of categories of capital equipment (e.g., switches, transformers, relays, etc.) aggregating \$3,000,000 (three million dollars) or greater that are forecasted to enter service during the following Rate Year, either through the use of such capital equipment in projects forecasted to be placed in service during the following Rate Year or as spare plant that the SFCs determine to be needed for the safe and reliable operation of the transmission system in accordance with Good Utility Practice during the following Rate Year; and
  2. a statement setting forth the basis for the SFCs’ determination that each such transmission project or capital equipment purchase, as applicable, is needed for service during the following Rate Year (which statement may be based on a determination that the placement of the project or equipment purchases into service during the following Rate Year, as described below, is needed as part of a larger multi-year transmission project or equipment purchase project, as applicable). The SFCs’ provision of such information shall be subject to the

protection of any confidential information, as needed, under the Protective Agreement and Non-Disclosure Certificate.

- E. If transmission plant is projected to be placed in service (PTRR) or actually placed in service (ATRR) in the respective rate period, at an amount other than on a historic cost basis (e.g., fair value adjustments), the SFCs will provide a worksheet identifying such transmission plant and a narrative explanation of the individual impact of such items to the Annual Update.
- F. If the date for posting the Annual Update or PTRR falls on a weekend or a holiday recognized by FERC, then the posting shall be due on the next business day. -The date on which posting of the Annual Update occurs shall be that ~~year's~~year's Publication Date.- Any delay in the Publication Date or in the posting of the PTRR will result in an equivalent extension of time for the submission of information requests discussed in Section III of these Protocols.
- EG. The ATRR shall:
1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
  2. Be based on ~~SFC's~~the SFCs' respective FERC Form No. ~~1s~~1s for the prior calendar year;
  3. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the ATRR that are not otherwise available in the FERC Form No. ~~1s~~1s, subject to the protection of any confidential information, as needed, under ~~non-disclosure agreements that are based on FERC's Model~~the Protective Order Agreement and Non-Disclosure Certificate;
  4. Provide sufficient information to enable Interested Parties to replicate the calculation of the ATRR results from the FERC Form No. ~~1s~~1s;
  5. Identify any changes in the formula references (page and line numbers) to the FERC Form No. ~~1s~~1s;
  6. Identify and, to the extent not explained in a worksheet included in the ATRR, explain, all material adjustments made to the FERC Form No. 1 data in determining formula inputs, including relevant footnotes to the FERC Form No. ~~1s~~1s and any adjustments not shown in the FERC Form No. ~~1s~~1s;
  7. Provide underlying data for Formula Rate inputs that provide greater granularity than is required for the FERC Form No. 1;
88. As part of the ATRR open meeting, the SFCs shall provide

- a. a summary of the actual year results to the PTRR for the same rate period, to accompany further discussion of key drivers of the ATRR and PTRR; and
- b. more granular information and supporting explanations pertaining to variances that exceed 10% provided both (i) that the variance exceeds \$500,000 and (ii) that the information is in the level of detail consistent with the Companies' ATRR and its related attachments;

9. With respect to any change in accounting that affects inputs to the Formula Rate or the resulting charges billed under the Formula Rate ("Accounting Change"):

- a. Identify any Accounting Change, including:
  - i. the initial ~~implementation~~adoption of ~~ana new~~ accounting standard or policy;
  - ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
  - iii. correction of errors and prior period adjustments that affect the ATRR and True-up calculation;
  - iv. the implementation of new estimation methods or policies that change prior estimates; ~~and~~
  - v. changes to income tax elections; and
  - vi. the initial implementation of accounting changes in the reporting of the FERC Form No. 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC's Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of the SFCs.

b. Identify items included in the ATRR at an amount other than on a historic    cost basis (e.g., fair value adjustments);

- ec. Identify any sale of transmission and/or general electric plant in service with gross plant value greater than \$50,000 as reported in the SFCs' FERC Form 1 on page 206, as may be amended, during the previous year—excluding the sale of passenger vehicles and retired assets sold for salvage value—and explain the effect of the accounting for such transaction(s) on inputs to the Formula Rate.

- d. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the ATRR; and
- de. Provide, for each ~~item identified pursuant to items H.E.8.a—H.E.8.e above~~ Accounting Change, a narrative explanation of the individual impact of such change on the ATRR; and

910. Include for the applicable Rate Year the following information related to affiliate cost allocation: (A) a detailed description of the methodologies used to allocate and directly assign costs between ~~SFC~~ the SFCs and their affiliates by service category and function, including any changes to such cost allocation methodologies from the prior year, and the reasons and justification for those changes; and (B) the magnitude of such costs that have been allocated or directly assigned between ~~SFC~~ the SFCs and each affiliate by service category or function.

~~F. The Projected Transmission Revenue Requirement shall:~~

H. It is the intent of the Formula Rate, including the supporting explanations and allocation described therein, that each input to the Formula Rate will be either taken directly from FERC Form No. 1 or reconcilable to FERC Form No. 1 by the application of clearly identified and supported information. If the referenced form is superseded, the successor form(s) shall be utilized and supplemented as necessary to provide equivalent information as that provided in the superseded form. If the referenced form(s) is (are) discontinued, equivalent information as that provided in the discontinued form(s) shall be utilized.

I. The PTRR shall:

- 1. Include a workable data-populated version of the Formula Rate template and underlying work papers in Excel format with all formulas and links intact;
- 2. Provide the Formula Rate calculations and all inputs thereto, as well as supporting documentation and work papers for data that are used in the PTRR;
- 3. Provide sufficient information to enable Interested Parties to replicate the calculation of the PTRR. If transmission plant is projected to be placed in service (PTRR) or actually placed in service (ATRR) in the respective rate period at an amount other than on a historic cost basis (e.g., fair value adjustments), the SFCs will provide a worksheet identifying such transmission plant and a narrative explanation of the individual impact of such items to the Annual Update;
- 4. With respect to any Accounting Change:
  - a. Identify any Accounting Change, including:

- i. the initial ~~implementation~~adoption of ~~ana new~~ accounting standard or policy;
- ii. the initial implementation of accounting practices for unusual or unconventional items where FERC has not provided specific accounting direction;
- iii. correction of errors and prior period adjustments that affect the PTRR calculation;
- iv. the implementation of new estimation methods or policies that change prior estimates; ~~and~~
- v. changes to income tax elections;

vi. the initial implementation of accounting changes in the reporting of the FERC Form 1 accounts from the prior year to the current year to the extent such change(s) affect(s) the Formula Rate revenue requirement: changes in (1) FERC's Uniform System of Accounts, (2) FERC Form No. 1 reporting requirements as applicable, (3) any FERC ratemaking orders applicable to the Formula Rate, and (4) the accounting policies of the SFCs

- b. Identify items included in the PTRR at an amount other than on a historic cost basis (e.g., fair value adjustments);
- c. Identify any reorganization or merger transaction during the previous year and explain the effect of the accounting for such transaction(s) on inputs to the PTRR; and
- d. Provide, for each ~~item identified pursuant to items II.F.4.a–II.F.4.c of these Protocols~~Accounting Change, a narrative explanation of the individual impact of such change on the PTRR.

~~G.~~ SFCJ. The SFCs shall hold an open meeting among Interested Parties (“Annual Update Meeting”), to be conducted via Internet webcast, no earlier than ten (10) business days following the Publication Date and no later than July 15. ~~No fewer than seven (7) days prior to such Annual Update Meeting, SFCthe SFCs shall provide notice on PJM’s website of the time and date of the Annual Update Meeting, and shall provide notice of the posting via anthe e-mail exploder list– for the SFCs.~~ The Annual Update Meeting shall: (i) permit ~~SFCthe SFCs~~ to explain and clarify their ATRR and True-up; and (ii) provide Interested Parties an opportunity to seek information and clarifications from ~~SFCthe SFCs~~ about the ATRR and True-up.

~~H.~~ SFEK. The SFCs shall hold an open meeting among Interested Parties (“Annual Projected Rate Meeting”), to be conducted via Internet webcast. For the 2023 PTRR, the Annual Projected Rate Meeting shall be no earlier than ~~five (5)~~seven (7) business days following the posting of the PTRR (as described in Section II.C of these Protocols)



and no later than November 30, ~~2022~~. For PTRRs posted subsequent to 2023, the Annual Projected Rate Meeting shall be no earlier than seven (7) business days following the posting of the PTRR (as described in Section II.C of these Protocols) and no later than November 7. No fewer than ~~five (5)~~ seven (7) days prior to such Annual Projected Rate Meeting, ~~SFC~~ the SFCs shall provide notice on PJM's website of the time and date of the Annual Projected Rate Meeting, and shall provide notice of the posting via ~~an~~ the e-mail exploder list ~~for the SFCs~~. The Annual Projected Rate Meeting shall: (i) permit ~~SFC~~ the SFCs to explain and clarify their PTRR and (ii) provide Interested Parties an opportunity to seek information and clarifications from ~~SFC~~ the SFCs about the PTRR.

### **Section III. Information Exchange Procedures**

Each Annual Update and PTRR shall be subject to the following information exchange procedures ("Information Exchange Procedures"):

- A. For the Annual Update posted on June 15, 2022, Interested Parties shall have until January ~~15 following the Publication Date~~ 16, 2023 (unless such period is extended with the written consent of ~~SFC~~ the SFCs or by FERC order) to serve reasonable information and document requests on ~~SFC~~ the SFCs.

For all subsequent Annual Updates, Interested Parties shall have until November 15 following the Annual Update posting date (unless such period is extended with the written consent of the SFCs or by FERC order) to serve a first set of information and document requests on the SFCs pertaining to the Annual Update. Interested parties shall have until January 15 to serve follow-up information and document requests pertaining to the Annual Update (together with the November 15 deadline, the "ATRR Information Exchange Period")., but such requests must be specifically limited to clarification or additional information regarding the SFCs' responses provided to any sets of information and document requests issued to the SFCs on or before November 15.

Interested Parties shall have until January 15 following the PTRR posting date (unless such period is extended with the written consent of the SFCs or by FERC order) to serve reasonable information and document requests on the SFCs pertaining to the PTRR ("PTRR Information Exchange Period"). If November 15 or January 15 falls on a weekend or a holiday recognized by FERC, the deadline for submitting all information and document requests shall be extended to the next business day. Such information and document requests shall be limited to what is necessary to determine:

1. the extent or effect of an Accounting Change on the inputs to the Formula Rate or the resulting charges under the Formula Rate;
2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
3. the proper application of the Formula Rate and procedures in these Protocols;



4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR or PTRR;
5. the prudence of actual costs and expenditures included in the ATRR or the reasonableness of projected costs and expenditures included in the PTRR;
6. the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
7. any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

Additionally, in connection with the information exchange procedures, the SFCs agree, if requested, to identify capital expenditures for transmission baseline RTEP projects and supplemental projects on an up to five year forward basis, on a combined or project-specific basis.

The information and document requests shall not be directed to ascertaining whether the Formula Rate is just and reasonable.

- B. ~~SFC~~ The SFCs shall make a good faith effort to respond to any information and document request within fifteen (15) business days of receipt of such request. ~~SFC~~ For the Annual Update posted on June 15, 2022, the SFCs shall respond to all information and document requests by no later than February 25, 2023 unless this date is extended with written consent of the SFCs or by FERC order; for all subsequent Annual Updates, the SFCs shall respond to all information and document requests by no later than February 25 following the Publication Date, unless the ATRR Information Exchange Period or PTRR Information Exchange Period is extended with written consent of the SFCs or by SFC or FERC order.
- C. ~~SFC will serve all information requests from Interested Parties and their response(s) to such requests upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such information requests or responses, as needed, under non-disclosure agreements that are based on FERC's Model Protective Order.~~
- D. ~~SFEC~~ The SFCs shall not claim that responses to information and document requests provided pursuant to these Protocols are subject to any settlement privilege in any proceeding addressing ~~SFC's~~ the SFCs' Annual Update or PTRR, and such responses may be included in any Formal Challenge or other submittal addressing ~~SFC's~~ the SFCs' Annual Update or PTRR.
- D. The SFCs shall use best efforts to timely notify the proponent of an Information Request if all or any part of an Information Request is unclear or the subject matter is outside the scope of Section III.B. If the parties are unable to resolve any dispute regarding an information request, the matter may be referred to the FERC Dispute Resolution Service.

#### **Section IV. Challenge Procedures**

- A. Interested Parties shall have until March 31 following the Publication Date (unless such period is extended with the written consent of ~~SFC~~the SFCs or by FERC order) (“Review Period”), to review the inputs, supporting explanations, allocations and calculations and to notify ~~SFC~~the SFCs in writing, which may be made electronically, of any specific Preliminary Challenges to the Annual Update or PTRR. If the final day of the Review Period falls on a holiday recognized by FERC, the deadline for submitting all Preliminary Challenges shall be extended to the next business day. ~~Failure to~~ An Interested Party may not pursue an issue through a Formal Challenge unless it submitted a Preliminary Challenge or to lodge a Formal Challenge regarding any issue as to a given Annual Update or PTRR shall bar pursuit of such issue with respect to that Annual Update or PTRR under on some issue (which may be different from the challenge procedures set forth in these Protocols, but shall not bar pursuit of such issue or the lodging of a Formal Challenge as to such issue as it relates issue) during the applicable Review Period. Failure to raise an issue in one year’s Formal Challenge shall not bar the lodging of that issue as related to a subsequent Annual Update or PTRR.- This Section IV.A in no way shall affect a party’s rights under Federal Power Act (“FPA”) section 206 as set forth in Section IV.I of these Protocols.
- B. Preliminary Challenges shall be subject to the resolution procedures and limitations in this Section IV and shall satisfy all of the following requirements.
1. A party submitting a Preliminary Challenge to ~~SFC~~the SFCs must specify the inputs, supporting explanations, allocations, calculations, or other information to which it objects, and provide an ~~appropriate~~ explanation and documents to support its challenge.
  2. ~~SFC~~The SFCs shall make a good faith effort to respond to any Preliminary Challenge within twenty (20) business days of written receipt of such challenge.
  3. ~~SFC~~The SFCs, and where applicable, PJM, shall appoint a senior representative to work with each party that submitted a Preliminary Challenge (or its representative) toward a resolution of the challenge.
  4. If ~~SFC~~the SFCs disagree with such challenge, they will provide the Interested Party(ies) with ~~ana~~ written explanation supporting the inputs, supporting explanations, allocations, calculations, or other information.
  5. No Preliminary Challenge may be submitted after March 31, and ~~SFC~~the SFCs must respond to all Preliminary Challenges by no later than April 30 unless the Review Period is extended ~~by SFC or~~ with written consent of the SFCs or ordered by FERC, or as provided in Section IV.A above.
  6. ~~SFC~~The SFCs will serve all Preliminary Challenges and their response(s) to such Preliminary Challenges upon any Interested Party that requests such service, subject to the protection of any confidential information contained in such Preliminary Challenges or responses, as needed, under ~~non-disclosure agreements~~.

~~that are based on the FERC's Model Protective Order Agreement and Non-Disclosure Certificate.~~

C. Formal Challenges shall be subject to the resolution procedures and limitations in this Section IV. Formal Challenges shall be filed pursuant to these Protocols and shall satisfy all of the following requirements.

1. A Formal Challenge shall:

- a. Clearly identify the action or inaction which is alleged to violate the filed Formula Rate or these Protocols;
- b. Explain how the action or inaction violates the filed Formula Rate or these Protocols;
- c. Set forth the business, commercial, economic or other issues presented by the action or inaction as such relate to or affect the party filing the Formal Challenge, including:
  - ~~(i).~~ the extent or effect of an Accounting Change;—
  - ~~(ii).~~ whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols;
  - ~~(iii).~~ the proper application of the Formula Rate and procedures in these Protocols;
  - ~~(iv).~~ the accuracy of data and consistency with the Formula Rate of the charges shown in the ATRR or PTRR;
  - ~~(v).~~ the prudence of actual costs and expenditures;
  - ~~(vi).~~ the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or
  - ~~(vii).~~ any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.
- d. Make a good faith effort to quantify the financial impact or burden (if any) created for the party filing the Formal Challenge as a result of the challenged action or inaction;
- e. State whether the ~~issues~~claim(s) presented are pending in an existing Commission proceeding or a proceeding in any other forum in which the filing party is a party, and if so, provide an explanation why timely resolution cannot be achieved in that forum;

- f. State the specific relief or remedy requested, including any request for stay or extension of time, and the basis for that relief;
- g. Include all documents that support the facts in the Formal Challenge in possession of, or otherwise attainable by, the filing party, including, but not limited to, contracts and affidavits; and
- ~~h. State whether the filing party utilized the Preliminary Challenge procedures described in these Protocols to dispute the challenged action or inaction raised by the Formal Challenge, and, if not, describe why not.~~

- 2. Service. ~~Any person filing a Formal Challenge must serve a copy of such Formal Challenge on SFCthe SFCs.~~ Service to ~~SFCthe SFCs~~ must be simultaneous with filing at FERC. ~~Simultaneous service can be accomplished by electronic mail in accordance with 18 C.F.R. § 385.2010(f)(3), facsimile, express delivery, or messenger.~~ A party filing a Formal Challenge shall serve the individual listed as the contact person on ~~SFC'sthe SFCs'~~ Informational Filing required under Section VI of these Protocols.

D. Preliminary and Formal Challenges shall be limited to all issues that may be necessary to determine:

- 1. the extent or effect of an Accounting Change;
- 2. whether the ATRR or PTRR fails to include data properly recorded in accordance with these Protocols, or includes data not properly recorded in accordance with these Protocols;
- 3. the proper application of the Formula Rate and procedures in these Protocols;
- 4. the accuracy of data and consistency with the Formula Rate of the calculations shown in the ATRR and PTRR;
- 5. the prudence of actual costs and expenditures included as inputs to the Formula Rate;

~~66.~~ the reasonableness of any projection that forms a basis of the PTRR;

~~7.~~ the effect of any change to the underlying Uniform System of Accounts or FERC Form No. 1; or

~~78.~~ any other information that may reasonably have a substantive effect on the calculation of the charge pursuant to the Formula Rate.

E. Any changes or adjustments to the ATRR and PTRR resulting from the information exchange and Preliminary Challenge processes that are agreed to by ~~SFCthe SFCs~~ will be reported in the Informational Filing required pursuant to Section VI of these Protocols. ~~Any such changes or adjustments agreed to by SFCthe SFCs on or before~~

December 1 will be reflected in the PTRR for the upcoming Rate Year. -Any changes or adjustments agreed to by ~~SFC~~the SFCs after December 1 will be reflected in the following year's Annual Update, as discussed in Section V of these Protocols.

- F. An Interested Party shall have until June 1 following the Review Period (unless such date is extended with the written consent of ~~SFC~~the SFCs to continue efforts to resolve the Preliminary Challenge) to make a Formal Challenge with FERC, which shall be served on ~~SFC~~the SFCs on the date of such filing as specified in Section IV.C.2 above. -A Formal Challenge shall be filed in the same docket as ~~SFC's~~the SFCs' Informational Filing discussed in Section VI of these Protocols. ~~SFC~~The SFCs shall respond to the Formal Challenge by the deadline established by FERC. ~~An Interested Party may not pursue a Formal Challenge unless it submitted a Preliminary Challenge on some issue (which may be different from the Formal Challenge issue) during the applicable Review Period.~~
- G. In any proceeding initiated by FERC concerning the Annual Update or PTRR or in response to a Formal Challenge, ~~SFC~~the SFCs shall bear the burden, consistent with FPA section 205, of proving that they have correctly applied the terms of the Formula Rate consistent with these Protocols, and that ~~it~~they followed the applicable requirements and procedures in the Formula Rate. - Nothing herein is intended to alter the burdens applied by FERC with respect to prudence challenges.-
- H. Except as specifically provided herein, nothing herein shall be deemed to limit in any way the right of ~~SFC~~the SFCs to file unilaterally, pursuant to FPA section 205 and the regulations thereunder, to change these Protocols, the Formula Rate, or any of its inputs (including, but not limited to, rate of return and transmission incentive rate treatment), or to replace the Formula Rate with a stated rate, or the right of any other party to request such changes pursuant to FPA section 206.
- ~~I. No party shall seek to modify these Protocols or the Formula Rate under the challenge procedures set forth in these Protocols, and the Annual Update and PTRR shall not be subject to challenge by anyone for the purpose of modifying the Formula Rate. Any modifications to these Protocols or the Formula Rate will require, as applicable, a FPA section 205 or section 206 proceeding. SFC may, at their discretion and at a time of their choosing, make a limited filing pursuant to FPA section 205 to modify stated values in the Formula Rate for (a) amortization and depreciation rates or (b) Post Employment Benefits Other Than Pensions rates. SFC may also, at their discretion and at a time of their choosing, make a limited filing pursuant to FPA section 205 to seek recovery of costs associated with abandoned plant. The sole issue in any such limited Section 205 proceeding shall be whether such proposed change(s) is just and reasonable, and it shall not address other aspects of the Formula Rate.~~
- I. No Settling Intervenor shall oppose a filing by the Companies under FPA section 205 (i) to change the fixed PBOP calculation in the filed template, (ii) to modify the stated values for amortization and depreciation rates in the filed template, (iii) to reflect nominal changes to the FERC Form 1 reporting requirements (i.e., changes in account descriptions or line numbers that do not reflect changes in the nature or type of costs or expenses recorded therein), or (iv) to seek recovery of prudently-incurred abandoned

plant, on the grounds that such filing is an impermissible single-issue rate filing. The SFCs shall not oppose a filing by any Settling Intervenor under FPA section 206 to change the fixed PBOP calculation in the filed template on the grounds that such filing is an impermissible single-issue rate filing. The Parties acknowledge that the Commission is not bound by the provision setting forth the agreement between the Parties on single-issue filings and may at its discretion broaden the scope of the filing related to changes in the fixed PBOP calculation in the filed template.

- J. Any Interested Party seeking changes to the application of the Formula Rate due to a change in the Uniform System of Accounts or FERC Form No. 1 shall first raise the matter with ~~SFC~~the SFCs in accordance with this Section IV before pursuing a Formal Challenge.

#### **Section V. Changes to Actual Transmission Revenue Requirement or Projected Transmission Revenue Requirement**

~~A.~~ Except as provided in Section IV.E of these Protocols, any changes to the data inputs, including but not limited to revisions to ~~SFC's~~the SFCs' FERC Form No. ~~1-s~~1s, or as the result of any FERC proceeding to consider the ATRR or PTRR, or as a result of the procedures set forth herein, shall be incorporated into the Formula Rate and the charges produced by the Formula Rate in the PTRR for the next Rate Year. ~~-This reconciliationtrue-up~~ mechanism shall apply in lieu of mid-Rate Year adjustments. Interest on any refund or surcharge shall be calculated in accordance with the procedures outlined in Section VII of these Protocols.

#### **Section VI. Informational Filings**

- A. By June 15 of each year, ~~SFC~~the SFCs shall submit to FERC an informational filing ("Informational Filing") of their PTRR for the Rate Year, including their ATRR and True-up. ~~-This Informational Filing must include information that is reasonably necessary to determine:~~
1. that input data to the Formula Rate are properly recorded in any underlying work papers;
  2. that ~~SFC~~the SFCs have properly applied the Formula Rate and these Protocols;
  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.

The Informational Filing must also describe any corrections or adjustments made during the period since the Publication Date, and must describe all aspects of the Formula Rate or its inputs that are the subject of an ongoing dispute under the Preliminary Challenge 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 ~~SFC~~the SFCs and their affiliates by service category or function, including any changes to such cost allocation methodologies from the prior ~~year~~Rate Year, and the reasons and justification for those changes; the magnitude of such costs that have been allocated or directly assigned between ~~SFC~~the SFCs and each affiliate by service category or function; and a copy of any service agreement between ~~SFC~~the SFCs and any affiliate that went into effect during the Rate Year.

~~Within five (5) days~~

~~On the date of such Informational Filing, SFC~~On the date of such Informational Filing, the SFCs shall provide notice of the Informational Filing via ~~an~~the e-mail exploder list ~~for the SFCs~~ and by posting the docket number assigned to ~~SFC's~~the SFCs' Informational Filing on the PJM website, subject to the protection of any confidential information contained in the Informational Filing, as needed, under ~~nondisclosure agreements that are based on FERC's Model~~the Protective Order, Agreement and Non-Disclosure Certificate.

- B. Any challenges to the implementation of the Formula Rate must be made through the challenge procedures described in Section IV of these Protocols or in a separate complaint proceeding, and not in response to the Informational Filing.

## **Section VII. Calculation of True-up**

The True-up will be determined in the following manner:

- A. As part of the Annual Update for each Rate Year, ~~SFC~~the SFCs shall determine the difference between the revenues ~~collected~~received by ~~PJM~~the SFCs corresponding to the rate effective period based on the PTRR for the Rate Year (net of the True-up from the prior year) and the ATRR for the same Rate Year based on actual cost data as reflected in their FERC Form No. ~~1-s~~1s. The True-up will be determined as follows:
- ~~#1.~~ The ATRR for the previous Rate Year as determined using ~~SFC's~~the SFCs' completed FERC Form No. 1 reports shall be compared to the revenues ~~collected~~received by ~~PJM~~the SFCs corresponding to the rate effective period based on the PTRR (net of the True-up from the prior year) for that same Rate Year (~~"True-up Year"~~) to determine any excess or shortfall in the revenues ~~collected~~received by ~~PJM~~the SFCs corresponding to the rate effective period in the True-up Year. -The revenue excess or shortfall determined by this comparison shall constitute the ~~"True-up."~~
  - ~~#2.~~ Interest on any True-up shall be based on the interest rate equal to the interest rate determined by 18 C.F.R. § 35.19a. -Interest rates will be used to calculate the time value of money for the period that the True-up exists. -The interest rate to be



applied to the True-up will be determined using the average rate for the twenty (20) months preceding September 1 of the current year. Interest on refunds and surcharges shall be compounded on a quarterly basis.

- B. ~~SFC~~The SFCs will post on ~~PJM's~~PJM's website all information relating to the True-up as part of the Annual Update. -As provided in Section II.B of these Protocols, ~~SFC~~the SFCs shall provide their Annual Update for the immediately preceding calendar year to PJM and cause such information to be posted on the PJM website on or before June 15 of each year subsequent to calendar year 2021.

## **Section VIII. Formula Rate Inputs**

- A. ~~Stated inputs~~Fixed components to the Formula Rate: -For (i) rate of return on common equity; (ii) ~~"Post-Employment Benefits other than Pension"~~("PBOP") charges pursuant to Statement of Financial Accounting Standards No. 106, ~~Employers'~~Employers' Accounting for Postretirement Benefits Other Than Pensions; and (iii) depreciation and/or amortization rates, the values in the Formula Rate shall be stated values and may be changed only pursuant to a FPA section 205 or section 206 proceeding. -These ~~stated-value inputs~~fixed components are specified in Attachment 9 of the Formula Rate.
- B.- Unpopulated Formula Rate line items:- With respect to line items in the Formula Rate that are not currently populated with non-zero numerical values because FERC policy requires prior authorization for recovery of the underlying costs or because, due to the nature of the associated functional activities, such costs are not considered part of ~~SFC's~~the SFCs' transmission-related revenue requirement (but not line items that are zero values in a particular Rate Year for the sole reason that no such costs or revenues were incurred or revenues received or projected to be incurred or received during the Rate Year), such line items shall not be populated with non-zero values except as may be authorized following a FPA section 205 or section 206 proceeding.-