

American Electric Power 801 Pennsylvania Ave. NW, Suite 735

Washington, DC 20004-2615 AEP.com

June 30, 2020

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

> Re: Transource Pennsylvania, LLC, Docket No. ER17-419-___ Informational Filing of Annual True-up Adjustment to 2019 Projected Transmission Revenue Requirement

Dear Secretary Bose:

American Electric Power Service Corporation, on behalf of its affiliate, Transource Pennsylvania, LLC ("Transource Pennsylvania"), hereby submits for filing for informational purposes the True-Up Adjustment to Transource Pennsylvania's 2019 Projected Transmission Revenue Requirement ("Annual True-up"). The following is a list of documents submitted with this Annual True-up:

- 1. Appendix A Transource Pennsylvania 2019 True-up template
- 2. Appendix B Construction Work in Progress ("CWIP") Report
- 3. Appendix C Customer Meeting Notice

Fully functioning Excel spreadsheet files supporting the Annual True-up are available on the PJM website at:

 $\underline{\text{http://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx}$

Service of the Annual True-up is being provided to PJM members via the PJM listserv. A copy of this notice of posting will be provided to PJM, PJM customers, and the parties in this docket, and to all affected state commissions. The Annual True-up provides the calculation of the true-up of the 2019 projected revenue requirement to the actual 2019 revenue requirement. The 2019 true-up amount will be included in customer rates beginning January 1, 2021. The Annual True-up contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7). In addition, Transource Pennsylvania has not made any material changes in its accounting policies and practices from those in effect during the previous rate year and upon which the current rate is based.

Transource Pennsylvania will host a webinar and teleconference meeting from 3:00 to 4:00 p.m. (Eastern Standard Time) on July 30, 2020, to afford interested parties the opportunity to discuss the Annual True-up.

Thank you for your attention to this informational filing. Please contact the undersigned if you have any questions concerning this filing.

Respectfully submitted,

/s/ Stacey Burbure

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Counsel for Transource Pennsylvania

June 30, 2020

Appendix A Transource Pennsylvania 2019 True-up Template

Rate Formula Template - Attachment H-29A Utilizing FERC Form 1 Data Transource Pennsylvania, LLC For the 12 months ended 12/31/2019 Formula Rate - Non-Levelized

Line No.	(1)	(2) Source	(3)		(4)	· ·	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT, without incentives	(page 3, line 49)				\$	2,482,098
	REVENUE CREDITS	(Note A)	Total	A	llocator		
2	Account No. 454	(page 4, line 20)	-	TP	1.0000		-
3	Accounts 456.0 and 456.1	(page 4, line 21)	-	TP	1.0000		-
4	Revenues from Grandfathered Interzonal Transactions	(Note B)	-	TP	1.0000		-
5	Revenues from service provided by the ISO at a discount		-	TP	1.0000		=
6	TOTAL REVENUE CREDITS	(Sum of Lines 2 through 5)	-				-
7	Prior Period Adjustments	Attachment 11	-	DA	1.0000		-
8	True-up Adjustment with Interest	Attachment 3, line 9, Col. G+H	-	DA	1.0000		-
9	Facility Credits under Section 30.9 of the PJM OATT	Attachment 13	-	DA	1.0000		-
10	NET ANNUAL TRANSMISSION REVENUE REQUIREMENT	(Line 1 less line 6 plus lines 7,8, and 9)				\$	2,482,098

For the 12 months ended 12/31/2019

Rate Formula Template - Attachment H-29A Utilizing FERC Form I Data Transource Pennsylvania, LLC

	(1)	(2)	(3)	(4)		(5) Transmission
Line		Source	Company Total	Allocat	or	(Col 3 times Col 4)
No.	RATE BASE: (Note R)	N · G				
1	GROSS PLANT IN SERVICE Production	Note C		NA		
2	Transmission	205.46.g for end of year, records for other months Attachment 4, Line 14, Col. (b)	-	TP	1.0000	-
3	Distribution	207.75.g for end of year, records for other months	-	NA	1.0000	-
4	General & Intangible	Attachment 4, Line 14, Col. (c)	110,066	W/S	1.0000	110,066
5	TOTAL GROSS PLANT	(Sum of Lines 1 through 4)	110,066	GP=	1.0000	110,066
3	TOTAL GROSS FLANT	(Sum of Lines 1 through 4)	110,000	Gr-	1.0000	110,000
6	ACCUMULATED DEPRECIATION	Note C				
7	Production	219.20-24.c for end of year, records for other months	-	NA	=	=
8	Transmission	Attachment 4, Line 14, Col. (h)	-	TP	1.0000	=
9	Distribution	219.26.c for end of year, records for other months	-	NA	=	=
10	General & Intangible	Attachment 4, Line 14, Col. (i)	17,820	W/S	1.0000	17,820
11	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 10)	17,820			17,820
12	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)	92,246			92,246
17	TOTAL NET PLANT	(Sum of line 5 - line 11)	92,246	NP=	1.0000	92,246
18	ADJUSTMENTS TO RATE BASE					
19	Account No. 281 (enter negative)	Attachment 4, Line 28, Col. (d) (Note D)	_	NA	zero	_
20	Account No. 282 (enter negative)	Attachment 4, Line 28, Col. (e) (Note D)	(55,620)	NP	1.0000	(55,620)
21	Account No. 283 (enter negative)	Attachment 4, Line 28, Col. (f) (Note D)	(179,132)	NP	1.0000	(179,132)
22	Account No. 190	Attachment 4, Line 28, Col. (g) (Note D)	20,506	NP	1.0000	20,506
23	Account No. 255 (enter negative)	Attachment 4, Line 28, Col. (h) (Note D)	20,500	NP	1.0000	20,500
24	Unfunded Reserves (enter negative)	Attachment 4, Line 43, Col. (h)	_	DA	1.0000	_
25	CWIP	Attachment 4, Line 14, Col. (d) (Note W)	20,018,828	DA	1.0000	20,018,828
26	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note E)	553,825	DA	1.0000	553,825
27	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Note F)	-	DA	1.0000	-
28	TOTAL ADJUSTMENTS	(Sum of line 19 - line 27)	20,358,407			20,358,407
29	LAND HELD FOR FUTURE USE	Attachment 4, Line 14, Col. (e) (Note G)	-	TP	1.0000	-
30	WORKING CAPITAL	Note H				
31	Cash Working Capital	1/8*(Page 3, Line 17 minus Page 3, Line 14)	24,554			24,554
32	Materials & Supplies	Attachment 4, Line 14, Col. (f)		TP	1.0000	,
33	Prepayments (Account 165)	Attachment 4, Line 14, Col. (g)	9,707	GP	1.0000	9,707
34	TOTAL WORKING CAPITAL	(Sum of line 31 - line 33)	34,262			34,262
35	RATE BASE	(Sum of line 17, 28, 29, 34)	20,484,915			20,484,915

Formula Rate - Non-Levelized

Rate Formula Template - Attachment H-29A

Utilizing FERC Form 1 Data

Transource Pennsylvania, LLC

Line	(1)	(2)	(3)		(4)	(5) Transmission
No.		Source	Company Total	Allo	cator	(Col 3 times Col 4)
	O&M					
1	Transmission	321.112.b	305,626	TP	1.0000	305,626
2	Less Account 566 (Misc Trans Expense)	321.97.b	274,389	TP	1.0000	274,389
3	Less Account 565	321.96.b	-	TP	1.0000	-
4	A&G	323.197.b	57,460	W/S	1.0000	57,460
5 6	Less FERC Annual Fees	350.h (Note I)		W/S W/S	1.0000	-
7	Less EPRI Dues Less Reg. Commission Expense Account 928	Note J Note J	9,540	W/S W/S	1.0000 1.0000	9,540
8	Less: Non-safety Advertising account 930.1	Note J	9,340	W/S W/S	1.0000	9,340
9	Less Actual PBOP Expense in Year	Attachment 7, Line 10, Col. (c)	-	W/S	1.0000	-
10	Plus Transmission Related Reg. Comm. Exp.	Note K	9,538	TP	1.0000	9,538
11	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8, Col. (c)	(8,409)	W/S	1.0000	(8,409)
12	Plus Transmission Lease Payments in Acct 565	Note V	-	DA	1.0000	(0,102)
13	Account 566					
14	Amortization of Regulatory Asset	Note E	158,236	DA	1.0000	158,236
15	Misc. Transmission Expense (less amort. of regulatory asset)	321.97b less line 14	116,154	TP	1.0000	116,154
16	Total Account 566	(Sum of line 14 - line 15)" Ties to 321.97b	274,389			274,389
17	TOTAL O&M	(Sum of Lines 1, 4, 10, 11, 12, 16 less Lines 2, 3, 5-9)	354,671			354,671
18	DEPRECIATION EXPENSE	Note C				
19	Transmission	336.7.b&d	-	TP	1.0000	-
20	General & Intangible	336.10.b&d, 336.1.b&d	19,897	W/S	1.0000	19,897
21	Amortization of Abandoned Plant	Note F	=	DA	1.0000	
22	TOTAL DEPRECIATION	(Sum of line 19 - line 21)	19,897			19,897
22	TANES OTHER THAN DISCOURT TANES OF A DE-					
23	TAXES OTHER THAN INCOME TAXES (Note M)					
24 25	LABOR RELATED Payroll	263.i		W/S	1.0000	
	Highway and vehicle	263.i 263.i	=	W/S W/S		-
26 27	PLANT RELATED	203.1	-	W/S	1.0000	-
28	Property	263.i		GP	1.0000	
29	Gross Receipts	263.i		NA	zero	- -
30	Other	263.i		GP	1.0000	_
31	Payments in lieu of taxes	263.i	_	GP	1.0000	-
32	TOTAL OTHER TAXES	(Sum of line 25 - line 31)				
32	TOTAL OTTAL	(built of file 25 line 31)				
33	INCOME TAXES (Note N)	Note N				
34	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} * (1-TEP)		28.89%			
35	CIT=(T/1-T)*(1-(WCLTD/R)) =	WCLTD = Page 4, Line 15, R = Page 4, Line 18	32.70%			
36	FIT & SIT & P					
37						
38	1/(1 - T) = (from line 34)	1 / (1 - T), T from Line 34	140.63%			
39	Amortized Investment Tax Credit	266.8f (enter negative)	-			
40	Excess / (Deficit) Deferred Income Taxes	Company Books and Records - Note O	-			
41	Tax Effect of Permanent Differences	Company Books and Records - Note O	-			
42	Income Tax Calculation	(Line 35 times Line 48)	519,374	NA		519,374
43	ITC adjustment	(Line 38 times Line 39)	=	NP	1.00000	-
44	Excess / (Deficit) Deferred Income Tax Adjustment	(Line 38 times Line 40)	=	NP	1.00000	-
45	Permanent Differences Tax Adjustment	(Line 38 times Line 41)	-	NP	1.00000	
46	Total Income Taxes	(Sum of line 42 - line 45)	519,374			519,374
47	RETURN					
48	Rate Base times Return	(Page 2, line 35 times Page 4, Line 18)	1,588,157	NA		1,588,157
		,	-11			-,,+
49	GROSS REVENUE REQUIREMENT	(Sum of line 17,22, 32, 46, 48)	2,482,098			2,482,098

For the 12 months ended 12/31/2019

Weighted

1.51%

0.00%

6.24%

7.75%

Formula Rate - Non-Levelized Rate Formul

14

15

16

17

18 Total

19

20

21

Long Term Debt

Common Stock

REVENUE CREDITS

Preferred Stock (112.3.c)

ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)

ACCOUNTS 456.0 AND 456.1 (OTHER ELECTRIC REVENUES)

Rate Formula Template - Attachment H-29A Utilizing FERC Form 1 Data Transource Pennsylvania, LLC

11,200,529

7,607,633

18,808,162

40.0%

0.0%

60.0%

Cost

3.78%

0.00%

10.40%

	(1)	(2)	(3)		(4)	(5)
		SUPPORTING CALCULATIONS AND NOTE	s			
Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES					
1	Total Transmission plant	(Page 2, Line 2, Column 3)				_
2	Less Transmission plant excluded from ISO rates	(Note P)				-
3	Less Transmission plant included in OATT Ancillary Service rates	(Note S)				-
4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)				-
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1) (If line 1 is zero, enter 1)			1	TP= 1.0000
6	WAGES & SALARY ALLOCATOR (W&S)					
	(,	Form 1 Reference	\$	TP	Allocation	
7	Production	354.20.b	-	-	-	
8	Transmission	354.21.b	-	1.0000	-	
9	Distribution	354.23.b	-	-	=	W&S Allocator
10	Other	354.24,25,26.b	-	-		(\$ / Allocation)
11	Total (W& S Allocator is 1 if lines 7-10 are zero)	(Sum of line 7 - line 10)	-	=	-	= 1.00000 WS
12	RETURN (R)					\$
13	KETUKIY (K)					φ
15						

Attachment 5, (Notes Q & R)

Attachment 5, (Notes Q & R)

Attachment 12, line 8 (Note U)

Attachment 12, line 21 (Note A)

(Sum of line 15 - line 17)

Attachment 5, (Notes Q, R, and T)

Formula Rate - Non-Levelized

Rate Formula Template - Attachment H-29A

For the 12 months ended 12/31/2019

Utilizing FERC Form 1 Data

Transource Pennsylvania, LLC

General Note: References to pages in this formula rate template are indicated as: (page#, line#, col.#) References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- A The revenues credited on page 1 lines 2-6 shall include revenues related to the Transmission Owner's integrated transmission facilities, including revenues for any load which is not included in the divisor used to derive the annual rate. They do not include revenues associated with FERC annual charges, gross receipts taxes, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template.
- B Company will not have any grandfathered agreements. Therefore, this line shall remain zero.
- C Plant In Service. Accumulated Depreciation, and Depreciation Expenses shall exclude Asset Retirement Obligation amounts.
- D Balances in Accounts 190, 281, 282 and 283 classified in the FERC Form 1 as Electric-related, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Excludes ARO-related items. Balance of Account 255 will be reduced by prior flow throughs and excluded if the utility chooses to utilize amortization of tax credits against taxable income. Account 281 is not allocated to Transmission. For rate projections, the ADIT calculation will include a proration of accelerated tax depreciation-related deferred taxes in accordance with Section 1.167(l)-1(h)(6)(ii) of the IRS regulations.
- E Recovery of Regulatory Asset permitted only for pre-commercial and formation expenses as authorized by the Commission. Recovery of any other regulatory assets requires authorization from the Commission. A carrying charge equal to the AFUDC rate will be applied to the Regulatory Asset prior to the rate year when costs are first recovered.
- F Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of Abandoned Plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- G Identified in FERC Form 1, or Company records if not so indicated on the FERC Form 1, as being transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 15, column 5 minus amortization of Regulatory Asset at page 3, line 12, column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported on page 111, line 57 in the Form 1.
- I The FERC's annual charges for the year assessed the Transmission Owner for service under this tariff. To the extent the charges are separately identified on the FERC Form 1 page 350, column I, the line number will be added to the source in Column 2 for reference. Line item references can change from year to year. Items not specifically identified on the FERC Form 1 page 350 will be obtained from Company books and records.
- J Page 3, Line 6 Subtract all EPRI Annual Membership Dues recorded in any O&M or A&G account listed in Form 1 at 353.f, all Regulatory Commission Expenses in account 928 itemized at 351.h, and non-safety related advertising included in Account 930.1
- K Page 3, Line 8-Add back Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- M Includes only FICA, unemployment, highway, property, and other assessments charged in the current year. Taxes related to income, franchise taxes, and sales and use taxes are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere. To the extent individual types of taxes are separately identified on the FERC Form 1 page 263, column I, the line number will be added to the source in Column 2 for reference. Line item references can change from year to year. Items not specifically identified on the FERC Form 1 page 263 will be obtained from Company books and records.
- N 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" and TEP = "the tax exempt ownership interest". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/1-T) (page 3, line 26). Excess Deferred Income Taxes reduce income tax expense by the amount of the expense multiplied by (1/1-T).

Inputs Required:

FIT=

SIT=

P=

SIT=

D.00% (Federal Income Tax Rate)

State Income Tax Rate or Composite SIT)

P=

D.00% (percent of federal income tax deductible for state purposes)

FEP =

D.00% (percent of the tax exempt ownership)

- O Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment H-29A that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions.
- P 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).
- Q The cost of debt will be determined based on the financing in place during each stage of project development. Before debt is obtained, a proxy interest rate which will be supported in the original Section 205 filing will be used. This rate is provided on Attachment 8 line 36. If construction debt (wherein principal is drawn down over time) is issued, the rate plus an amortization of fees projected to be incurred on the construction debt during the rate year will be the cost of debt. This construction debt rate (inclusive of fees) will be reset and trued-up every year using the method on Attachment 9 for multi-year construction projects. Once non-construction debt is obtained, the actual interest rate and fees on the debt in place at the end of the year such non-construction debt is obtained will become the cost of debt. In the first full year after non-construction debt is obtained, the actual cost of debt determined using the method on Attachment 5.

A hypothetical capital structure of 60% equity and 40% debt will be used until the first transmission asset is placed in service, or until otherwise authorized by the Commission, subject to any project-specific limitations refeleted on

- Attachment 1 Project Revenue Requirement Worksheet
 R Calculate rate base using 13 month average balance, except ADIT which is calculated based on the average of the beginning of the year and the end of the year balances.
- S Removes dollar amount of transmission plant to be included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be 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.
- T ROE will be supported in the original Section 205 filing and no change in ROE may be made absent a filing with FERC.
- U Includes only income related to transmission facilities, such as pole attachments, rentals and special use from general ledger.
- V Add back any lease expense of transmission assets used to provide service under this tariff included in account 565. Amount to be obtained from company books and records.
- W Recovery of CWIP in rate base must be approved by FERC. Attachment 4 provides a reconciliation of the Company's total CWIP to the CWIP allowed in rate base. The annual report filed pursuant to the Protocols will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance ineligible for inclusion in rate base; and (iii) a demonstration that AFUDC is only applied to the CWIP balance that is not included in rate base. The annual report will also describe the reconciliation prepared on Attachment 4.

Attachment 1 Project Revenue Requirement Worksheet Transource Pennsylvania, LLC

To be completed in conjunction with Attachment H-29A.

	(1)	(2) Attachment H-29A	(3)	(4)
Line No.		Page, Line, Col.	Transmission	Allocator
1 2	Gross Transmission Plant plus CWIP Net Transmission Plant plus CWIP and Abandoned Plant	Attach H-29A, p 2, line 2 col 5 plus line 25 col 5 (Note A) Attach H-29A, p 2, line 14 col 5 plus line 25 & 27 col 5 (Note E	20,018,828 20,018,828	
3 4	O&M EXPENSE Total O&M Allocated to Transmission Annual Allocation Factor for O&M	Attach H-29A, p 3, line 17 col. 5, less line 14 col. 5 (line 3 divided by line 1 col 3)	354,671 1.77%	1.77%
5 6	GENERAL AND INTANGIBLE (G & I) DEPRECIATION EXPENSE Total G & I Depreciation Expense Annual Allocation Factor for G & I Depreciation Expense	Attach H-29A, p 3, line 20, col 5 (Note C) (line 5 divided by line 1 col 3)	19,897 0.10%	0.10%
7 8	TAXES OTHER THAN INCOME TAXES Total Other Taxes Annual Allocation Factor for Other Taxes	Attach H-29A, p 3, line 32 col 5 (line 7 divided by line 1 col 3)	0.00%	0.00%
9 10	Less Revenue Credits Annual Allocation Factor for Revenue Credits	Attach H-29A, p 1, line 6 col 5 (line 9 divided by line 1 col 3)	0.00%	0.00%
11	Annual Allocation Factor for Expense	Sum of line 4, 6, 8, and 10		1.87%
12 13	INCOME TAXES Total Income Taxes Annual Allocation Factor for Income Taxes	Attach H-29A, p 3, line 46 col 5 (line 12 divided by line 2 col 3)	519,374 2.59%	2.59%
14 15	RETURN Return on Rate Base Annual Allocation Factor for Return on Rate Base	Attach H-29A, p 3, line 48 col 5 (line 14 divided by line 2 col 3)	1,588,157 7.93%	7.93%
16	Annual Allocation Factor for Return	Sum of line 13 and 15	10.53%	10.53%

Attachment 1 Project Revenue Requirement Worksheet Transource Pennsylvania, LLC

This worksheet is used to compute project specific revenue requirements for any projects for which such calculation is required by PJM. This will generally include projects with specific incentives or competitive concessions, or projects with regional cost allocation in PJM. Projects will be listed as either Schedule 12, Zonal, or other category defined by PJM. Other projects which comprise the remaining revenue requirement on Attachment H-29A will not be entered on this schedule.

Any hypothetical amounts or project names in a filed template will be removed and replaced with actual amounts in the first year actual values are available without the need for a section 205 filing to modify the template.

	(1)		(2)	(3)	(4)	(5)		(6)	(7)	(8)
Line			RTEP Project Number Or Other		Annual Allocation Factor for	Annual Expense		Project Net	Annual Allocation Factor for	Annual Return
No.	Project Name	PJM Category	Identifier	Project Gross Plant	Expense	Charge	Г	Plant	Return	Charge
									(Page 1 line	(Col. 6 * Col.
				(Note D)	(Page 1 line 11)	(Col. 3 * Col. 4)		(Note E)	16)	7)
1a	PJM Market Effici	enc Schedule 12	b2743.5, b2743.1, b2752.5, b2752.1	20,018,828	0.019	374,567	\$	20,018,828	0.105	2,107,531
1b				-	0.019	-	\$	-	0.105	-
2	Total Schedule 12			20,018,828		374,567	\$	20,018,828		2,107,531
3a		Zonal		-	0.019	-	\$	-	0.105	-
3b				-	0.019	-	\$	-	0.105	-
4	Total Zonal			-		-	\$	-		-
5	Other									
6	Annual Totals			20,018,828		374,567		20,018,828		2,107,531

Notes

- Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-29A inclusive of any CWIP included in rate base when authorized by FERC order.
- B Net Plant is that identified on page 2 line 14 of Attachment H-29A inclusive of any CWIP or unamortized Abandoned Plant included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.
- C General and Intangible Depreciation and Amortization Expense includes all expense not directly associated with a project, which is entered on page 3, column 9.
- Project Gross Plant is the total capital investment including CWIP for the project calculated from Company books and records in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation plus CWIP in rate base, if applicable and Unamortized Abandoned Plant, if applicable.
- F Project Depreciation Expense is the actual value booked for the project (excluding General and Intangible depreciation) at Attachment H-29A, page 3, line 19, plus amortization of Abandoned Plant at Attachment H-29A, page 3, line 21, if applicable.
- G Requires approval by FERC of incentive return applicable to the specified project(s).
- The Competitive Concession is a reduction in the revenue requirement, if any, that the Company agreed to, for instance, in the process of being selected to build facilities as the result of a competitive process and equals the amount by which the annual revenue requirement is reduced from the ceiling rate. The Competitive Concession column will also be used to reflect any reduction in the revenue requirement resulting from the following provisions of the Settlement filed in Docket No. ER17-419, after such Settlement becomes effective by its terms: (i) the requirement that the Company cap the equity component of the capital structure for the competitive elements of a project in Pennsylvania and Maryland known as PJM Market Efficiency Project 9A' at 50% beginning on the earlier of (a) Project 9A's in-service date, (b) the date non-construction debt (i.e., permanent financing) is put in place, or (c) June 1, 2020; and (ii) the requirement that the Company forgo any ROE incentives (including the 50 basis point RTO participation adder) for any Project 9A costs that exceed \$210 million on the date the project is placed into service. A workpaper will be prepared supporting the amount of any applicable concession or other revenue requirement reduction reflected in this column.
- I True-Up Adjustment is calculated on the Project True-up Schedule for the relevant true-up year.

Attachment 1 Project Revenue Requirement Worksheet Transource Pennsylvania, LLC

	(9)	(10)	(11)	(12)	(12a)	(13)	(14)	(15)	(16)
Line No.	Project Depreciation/Amort ization Expense	Annual Revenue Requirement	Incentive Return in Basis Points	Incentive Return	Ceiling Rate	Competitive Concession	Total Annual Revenue Requirement	True-Up Adjustment	Net Revenue Requirement
	(Note F)	(Sum Col. 5, 8 & 9)	(Note G)	(Attachment 2, Line 28 Incentive Return * Col. 6)	(Sum Col. 10 & 12)	(Note H)	(Sum Col. 10 & 12 Less Col. 13)	(Note I)	Sum Col. 14 & 15
-	(Note 1)	/)	(Note G)	Return Col. 0)	12)	(11010 11)	12 Less Col. 13)	(Note 1)	
1a 1b	-	2,482,098	-	-	2,482,098	- -	2,482,098	-	2,482,098
2	-	2,482,098		-	2,482,098	-	2,482,098	-	2,482,098
3a	-	-	-	-	-	-	-	-	-
3b	-	-	-	-	-	-	-	-	-
4	-	-		-	-	-	-	-	-
5									-
6	-	2,482,098		-	2,482,098	-	2,482,098	-	2,482,098

Notes

- Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-29A inclusive of any CWIP included in rate base when authorized by FERC order.
- Net Plant is that identified on page 2 line 14 of Attachment H-29A inclusive of any CWIP or unamortized Abandoned Plant included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.
- C General and Intangible Depreciation and Amortization Expense includes all expense not directly associated with a project, which is entered on page 3, column 9.
- D Project Gross Plant is the total capital investment including CWIP for the project calculated from Company books and records in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation plus CWIP in rate base, if applicable and Unamortized Abandoned Plant, if applicable.
- F Project Depreciation Expense is the actual value booked for the project (excluding General and Intangible depreciation) at Attachment H-29A, page 3, line 19, plus amortization of Abandoned Plant at Attachment H-29A, page 3, line 21, if applicable,
- Requires approval by FERC of incentive return applicable to the specified project(s).
- The Competitive Concession is a reduction in the revenue requirement, if any, that the Company agreed to, for instance, in the process of being selected to build facilities as the result of a competitive process and equals the amount by which the annual revenue requirement is reduced from the ceiling rate. The Competitive Concession column will also be used to reflect any reduction in the revenue requirement resulting from the following provisions of the Settlement filed in Docket No. ER17-419, after such Settlement becomes effective by its terms: (i) the requirement that the Company cap the equity component of the capital structure for the competitive elements of a project in Pennsylvania and Maryland known as PJM Market Efficiency Project 9A ("Project 9A") at 50% beginning on the earlier of (a) Project 9A's in-service date, (b) the date nonconstruction debt (i.e., permanent financing) is put in place, or (c) June 1, 2020; and (ii) the requirement that the Company forgo any ROE incentives (including the 50 basis point RTO participation adder) for any Project 9A costs that exceed \$210 million on the date the project is placed into service. A workpaper will be prepared supporting the
- True-Up Adjustment is calculated on the Project True-up Schedule for the relevant true-up year.

Attachment 2 Incentive ROE Transource Pennsylvania, LLC

1	Rate Base	Attachment H-29A, page 2, line 35, Col.5						20,484,915
2	100 Basis Point Incentive Re	turn				-	\$	
			Source	\$	%	Cost	Weighted	
3	Long Term Debt	(Notes Q & R from Attachment H-29A)		11,200,529	40.0%	3.78%	1.51%	
4	Preferred Stock	(Notes Q & R from Attachment H-29A)		-	0.0%	0.00%	0.00%	
			Cost = Attachment H-29A, page 4, Line					
5	Common Stock	(Notes Q, R, & T from Attachment H-29A)	17, Cost plus 100 bp	7,607,633	60.0%	11.40%	6.84%	
6	Total (sum lines 3-5)			18,808,162		_	8.35%	
7	100 Basis Point Incentive Re	turn multiplied by Rate Base (line 1 * line 6)						1,711,066
8	INCOME TAXES							
9	T=1 - {[(1 - SIT) * (1 - FI	T)] $/ (1 - SIT * FIT * p)$ } = * (1-TEP)		0.2889				
10	CIT=(T/1-T)*(1-(WCLT)	(D/R) =		0.3327				
11	WCLTD = Line 3							
12	and FIT, SIT & p are as	given in Attachment H-29A footnote N.						
13	1/(1 - T) = (from line 9)	·		1.4063				
14	Amortized Investment Tax C	redit (266.8f) (enter negative)	Attachment H-29A, Page 3, Line 39	-				
15	Excess Deferred Income Tax	es (enter negative)	Attachment H-29A, Page 3, Line 40	-				
16	Tax Effect of Permanent Diff	ferences (Note B)	Attachment H-29A, Page 3, Line 41	-				
17	Income Tax Calculation = lin	ne 7 * line 10					569,314	
18	ITC adjustment (line 13 * lin	e 14)		-	NP	1.00	-	
19	Excess Deferred Income Tax	Adjustment (line 13 * line 15)		-	NP	1.00	-	
20			_	-	NP	1.00		
21	Total Income Taxes (sum line	es 17 - 20)					569,314	569,314
22	Return and Income Taxes with	th 100 basis point increase in ROE	(line 7 + line 21)					2,280,380
23	Return (Attach. H-29A, pag	ge 3 line 48 col 5)						1,588,157
24	Income Tax (Attach. H-29)	A, page 3 line 46 col 5)						519,374
25	Return and Income Taxes with	thout 100 basis point increase in ROE	(line 23 + line 24)				_	2,107,531
		me Taxes for 100 basis point increase in ROE	(line 22 - line 25)					172,849.27
	Rate Base (line 1)	•						#######################################
28	Incremental Return and Incor	me Taxes for 100 basis point increase in ROE div	rided by Rate Base					0.0084
		•	·					

- A Line 5 includes a 100 basis point increase in ROE that is used only to determine the increase in return and income taxes associated with a 100 basis point increase in ROE. Any ROE actual incentive must be approved by the Commission. For example, if the Commission were to grant a 150 basis point ROE incentive, the increase in return and taxes for a 100 basis point
 - increase in ROE would be multiplied by 1.5 on Attachment 1 column 12.
- B The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State calculations and the income taxes calculated in Attachment H-29A that are not the result of a timing difference.
- C Pursuant to the Commission-approved settlement in Docket No. ER17-419, the Company has agreed not to seek a risk-based incentive ROE for the competitive elements of a project in Pennsylvania and Maryland known as PJM Market Efficiency Project 9A. Therefore, Attachment 2 shall not be used for PJM Market Efficiency Project 9A.

Attachment 3 Formula Rate True-Up Transource Pennsylvania, LLC

This Attachment 3 is used to calculate the annual formula rate true-up. Any projects for which the RTO requires a true-up on an individual project basis, as shown on Attachment 1, will be computed separately. The remainder of the revenue requirement will also be trued up. The utility will individually enter the projected true-up year revenue requirements in Column C. A percentage of total will be calculated in Column D. Actual revenue received during the true-up year is entered into Column E, line 2 and allocated using the Column D percentage. The utility will prepare this formula rate template with the actual inputs for the true-up year, with the resulting revenue requirement for each line being separately entered in Column F. In Col. G, Col. F is subtracted from Col. E to calculate the true-up adjustment. Interest on the true-up is computed in Column H. Any adjustments to prior period true-ups are entered in Col. I. Col. J computes the total true-up as the sum of Cols. G, H and I.

Any hypothetical amounts or project names in a filed template will be removed and replaced with actual amounts in the first year actual values are available without the need for a section 205 filing to modify the template.

Line:				Projected True-U	p Year Revenue	True-Up Year Revenue	Actual True-Up Year				
1	True-Up Year			Requirement	Calculation	Received ¹	Revenue Req.		Annual True-	Up Calculation	
2	2019					\$ 4,004,649					
	A		В	C	D	E	F	G	H	I	J
					% of	Allocation of			True-Up		
			Project #		Total	Revenue	True-Up	Net	Interest	Prior Period	
			Or Other	Net Revenue	Revenue	Received	Net Revenue	Under/(Over)	Income	Adjustment with	Total True-Up
	Project Name	PJM Category	Identifier	Requirement ²	Requirement	(E, Line 2) x (D)	Requirement ³	Collection (F)-(E)	(Expense)4	Interest 5	(G) + (H) + (I)
3	Remaining Attachment H-29A			-	0.0%	-	-	-	-		-
4a	PJM Market Efficiency Project 9A	Schedule 12	b2743.5, b2743.1, b2752.5, b2752.1	4,004,649	100.0%	4,004,649	2,482,098	(1,522,551)	(165,322)	-	(1,687,873)
4b				-	0.0%	-	-	-	-	-	-
5	Total Schedule 12			4,004,649		4,004,649	2,482,098	(1,522,551)	(165,322)	-	(1,687,873)
6a		Zonal		-	0.0%	-	-	-	-	-	-
6b				-	0.0%	-	-	-	-	-	-
7	Total Zonal			-		-	-	-	-	-	-
0											
8	Other										
9	T + 1 A 1 D D : +			4.004.640	100.00/	4.004.640	2 402 000	(1.522.551)	(1.65.222)		(1, (07, 072)
9	Total Annual Revenue Requirements			4,004,649	100.0%	4,004,649	2,482,098	(1,522,551)	(165,322)	-	(1,687,873)
10							Total Interest on True	LIn - Attachment 6	(165,322)		
10							Total interest on True	-op - Attachment o	(103,322)		

Prior Period Adjustment

	Tou Trajustinent		
	A		В
	Prior Period Adjustment		Adjustment
	(Note 5)	Source	Amount
11	Description of Adjustment	Attachment 11	-

Notes:

- 1) The revenue received is the total amount of revenue distributed to company in the year as shown on pages 328-330 of the Form No 1. The Revenue Received is input on line 2, Col. E.
- 2) From the Attachment 1, Page 3 of 3, line 1 or 3, col. 16 from the template in which the true-up year revenue requirement was initially projected.
- 3) From True-Up revenue requirement template Attachment 1, page 3 of 3, line 1 or 3, col. 14.
- 4) Interest due on the true up is calculated for the 24 month period from the start of the true-up year until the end of the year following the true-up year when the true up will be included in rates. Total True up Interest calculated on Attachment 6 and allocated to projects based on the percentage in Column D.
- 5) Corrections to true-ups for previous rate years including interest will be computed on Attachment 11 and entered on the appropriate line 3-8 above.

Attachment 4 Rate Base Worksheet Transource Pennsylvania, LLC

		Gross Plant In Service		CWIP	LHFFU	Working	g Capital	Accumulated Depreciation		
Line No	Month (a)	Transmission (b)	General & Intangible (c)	CWIP in Rate Base (d)	Held for Future Use (e)	Materials & Supplies (f)	Prepayments (g)	Transmission (h)	General & Intangible (i)	
	(Note A)	207.58.g for end of year, records for other months	205.5.g & 207.99.g for end of year, records for other months	Note B - page 2, column C	214.c for end of year, records for other months	227.8.c & 227.16.c for end of year, records for other months	Note J - 111.57.c for end of year, records for other months	219.25.c for end of year, records for other months	219.28.c & 200.21.c for end of year, records for other months	
1	December Prior Year		97,032	14,746,943	-		- 5,533	-	8,644	
2	January		102,610	16,388,632	-		- 2,767	-	10,229	
3	February		104,631	16,564,981	-	-		-	11,939	
4	March		89,357	16,933,539	-	-		-	12,581	
5	April		92,970	17,627,635	-			-	14,069	
6	May		96,341	18,192,877	-		- 19,459	-	15,617	
7	June		100,781	18,772,571	-		- 22,499	-	17,222	
8	July		106,358	18,763,465	-		- 19,687	-	18,900	
9	August		110,382	19,681,377	-		- 16,875	-	20,672	
10	September		113,300	20,425,731	-		- 14,062	-	22,510	
11	October		118,895	34,018,497	-		- 11,250	-	24,398	
12	November		127,085	21,371,202	-		- 8,437	-	26,379	
13	December		171,110	26,757,314	-		- 5,625	-	28,496	
14	Average of the 13 Monthly Balances	-	110,066	20,018,828	-	-	9,707	-	17,820	

Adjustments to Rate Base

Line No	Month (a)	Unamortized Regulatory Asset (b)	Plant (c)	Account No. 281 Accumulated Deferred Income Taxes (Note E) (d)	Account No. 282 Accumulated Deferred Income Taxes (Note E) (e)	Account No. 283 Accumulated Deferred Income Taxes (Note E) (f)	Account No. 190 Accumulated Deferred Income Taxes (Note E) (g)	Account No. 255 Accumulated Deferred Investment Credit (h) Consistent with 266.8.b &
	(Note A)	Note C	Note D	Att. 4a & Att. 4b	Att. 4a & Att. 4b	Att. 4a & Att. 4b	Att. 4a & Att. 4b	267.8.h
15	December Prior Year	632,943	-		46,348	195,782	26,137	
16	January	619,757	-					-
17	February	606,571	-					-
18	March	593,384	-					-
19	April	580,198	-					-
20	May	567,012	-					-
21	June	553,825	-					-
22	July	540,639	-					-
23	August	527,453	-					-
24	September	514,266	-					-
25	October	501,080	-					-
26	November	487,894	-					-
27	December	474,707	-	-	64,892	162,483	14,876	-
28	Average of the 13 Monthly Balances	553,825	e e	-	55,620	179,132	20,506	-

Attachment 4 Rate Base Worksheet Transource Pennsylvania, LLC

I ---- CWID F---l--l--l I ---- A FUDC F---l--l--l--l f-----

Reconciliation of CWIP in Rate Base to FERC Form 1 - Note B

				Less: AFUDC Excluded from						
		Total CWIP	from Rate Base	Rate Base	CWIP Allowed in Rate Base					
		(a)	(b)	(c)	(d) = (a) - (b) - (c)					
		216.b for end of year,								
		records for other months	Company records	Company records						
29	December Prior Year	14,767,363	20,420	-	14,746,943					
30	January	16,395,669	7,037	-	16,388,632					
31	February	16,571,465	6,484	-	16,564,981					
32	March	16,960,946	27,407	-	16,933,539					
33	April	17,656,530	28,895	-	17,627,635					
34	May	18,224,272	31,395	-	18,192,877					
35	June	18,806,135	33,564	-	18,772,571					
36	July	18,803,054	39,589	-	18,763,465					
37	August	19,725,531	44,154	-	19,681,377					
38	September	20,476,014	50,283	-	20,425,731					
39	October	34,067,152	48,655	-	34,018,497					
40	November	21,422,365	51,163	-	21,371,202					
41	December	26,797,616	40,302	-	26,757,314					
		20,051,855	33,027	-	20,018,828					
	Unfunded Reserves (Notes A and F through H)	43	a 15	a 10		4.0		/0		4.5
	(a)	(b)	(b.i)	(b.ii)	(c)	(d)	(e)	(f)	(g)	(h)
							Enter 1 if the accrual account	Enter the percentage paid		
						Enter 1 if NOT in a trust or	is included in the formula	for by customers less the		Amount Allocated,
			FERC balance sheet			reserved account, enter zero (0) if		percent associated with an		col. c x col. d x
				FERC income statement account		included in a trust or reserved	account is NOT included in		Allocation (Plant or Labor	
	List of all reserves:		recorded	where reserves are recorded	Amount	account	the formula rate	balance sheet (Note H)	Allocator)	col. g
42a	List of all reserves.	Reserve 1	-	-		-	the formula rate	-	- mocutor)	
42b		Reserve 2					_			_
43		Total			-					-

Notes:

- A Calculate using 13 month average balance, except ADIT which is calculated as described in Note E.
- B Recovery of CWIP in rate base must be approved by FERC. Lines 29-41 of page 2 provide a reconciliation of the Company's total CWIP to the CWIP allowed in rate base. The annual report filed pursuant to the Protocols will include for each project under construction (i) the CWIP balance eligible for inclusion in rate base; (ii) the CWIP balance included in rate base. The annual report will also describe the reconciliation prepared on this Attachment
- C Recovery of a Regulatory Asset is permitted only for pre-commercial and formation expenses, and is subject to FERC approval before the amortization of the Regulatory Asset can be included in rates. Recovery of any other regulatory assets requires authorization from the Commission.
- D Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC.
- E ADIT is computed using the average of the beginning of the year and the end of the year balances. Attachments 4a and 4b are used to populate the beginning and ending ADIT balances on lines 15 and 27 above. ADIT calculations will be prorated to the extent required by Section 1.167(1)-1(h)(6)(ii) of the IRS regulations. Rate Projections will use Attachment 4c to calculate the proration adjustment.
- The Formula Rate shall include a credit to rate base for all unfunded reserves (funds collected from customers that (1) have not been set aside in a trust, escrow or restricted account; (2) whose balance are collected from customers through cost accruals to accounts that are recovered under the Formula Rate; and (3) exclude the portion of any balance offset by a balance sheet account (see Note H)). Each unfunded reserve will be included on lines 42 above. The allocator in Col. (g) will be the same allocator used in the formula for the cost accruals to the account that is recovered under the Formula Rate. Since reserves can be created by creating an offsetting balance sheet account, rather than through cost accruals, the amount to be deducted from rate base should exclude the portion offset by another balance sheet account.
- G Not all unfunded reserves are created only from contributions from customers. Many are created by creating an offsetting liability in whole or in part. Column (f) ensures only the portion of the unfunded reserve contributed by the customer (and not created by an offsetting liability) is a reduction to rate base.
- H The inputs in Column (f) are the percentage of the unfunded reserve that was created by an offsetting liability. The percentage shown in Column (f) is then equal to the percentage that customers have contributed to the unfunded reserve.
- I Balance of Account 255 will be reduced by prior flow throughs and excluded if the utility chooses to utilize amortization of tax credits against taxable income.
- J Overpayments of Income Taxes shall be excluded from Prepayments if the overpayments are not used to reduce future tax liability.

Transource Pennsylvania, LLC Attachment 4a - Accumulated Deferred Income Taxes (ADIT) Worksheet Beginning of Rate Year and Rate Year Average

A description of each item and justification for the exclusion from or allocation to the Transmission function will be listed below. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

Instructions for Account 190:

- 1. ADIT items related only to Non-Electric Utility Operations and excluded items are directly assigned to Column C
- 2. ADIT items related only to Transmission other than Plant-related items are directly assigned to Column D
- 3. ADIT items related to Plant and not in Columns C & D are included in Column E
- 4. ADIT items related to Labor and not in Columns C & D are included in Column F

	Α	В	С	D	F	G	Н
Line:	ADIT-190	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification
1	612Y Accrued Companywide Incentive Plan	7,896	-	-	-		Book Accrual Timing Differences
2	631U Def Sec 195 Start Up Costs	-	-	-	-	-	-
3	911Q-DSIT DSIT Entry-Normalized	13,296	-	13,296	-	-	Electric operations DSIT
4	960Z - NOL-Deferred Tax Asset Reclass	3,351	-	3,351	-	,	Federal taxable loss
5	014C-PA - NOL-State C/F-Deferred Tax Asset	1,594	-	1,594	-	-	Pennsylvania taxable loss
6							
7							
8							
9							
10							
11	Subtotal - Form 1 p234, line 8, column (b)	26,137	-	18,241	-	7,896	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	26,137		18,241	-	7,896	

Transource Pennsylvania, LLC

Attachment 4a - Accumulated Deferred Income Taxes (ADIT) Worksheet Beginning of Rate Year and Rate Year Average

Page 2 of 2

Instructions for Account 281/282/283:

- 1. ADIT items related only to Non-Electric Utility Operations and excluded items are directly assigned to Column C
- 2. ADIT items related only to Transmission other than Plant-related items are directly assigned to Column D
- 3. ADIT items related to Plant and not in Columns C & D are included in Column E
- 4. ADIT items related to Labor and not in Columns C & D are included in Column F

ADIT-	281	Total					Н
		i otai	Non-Electric	Transmission	Plant	Labor	
Line:		<u> </u>	or Excluded	Related	Related	Related	Justification
15		-					
16		-					
17 Subtot	tal - Form 1 p272, line 8, column (b)	-	-	-	-	-	
18 Wages	s & Salary Allocator					1.00	
19 Net Pla	lant Allocator				1.00		
20 Total -	- sum cols. D-G	-		-	-	-	
<u>-</u>							
	A	В	С	D	F	G	Н
ADIT-	282	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
21 <mark>712K</mark>	Capitalized Software Cost	19,625	-	-	19,625	-	Related to Capitalized Software Timing Differences
22 310A A	AOFUDC	24,341	-	-	24,341		Related to Capitalized Interest Timing Differences
23 <mark>960F-></mark>	XS Exess ADFIT 282.1 - Protected	2,382	-	=	2,382	-	Related to Excess ADIT on Plant Timing Differences
24 960F->	XS Exess ADFIT 282.1 - Unprotected	-	-	-	-	-	Related to Excess ADIT on Plant Timing Differences
25							
26 Subtot	tal - Form 1 p274, line 2, column (b)	46,348	-	-	46,348	-	
27 Wages	s & Salary Allocator					1.00	
28 Net Pla	lant Allocator				1.00		
29 Total -	- sum cols. D-G	46,348		-	46,348	-	
	A	В	С	D	F	G	Н
ADIT-	283	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
	PA - NOL-State C/F-Deferred Tax Asset	335	-	335	-	-	DFIT on Maryland State NOL carryforward in 190
31 <mark>911Q-</mark>	-DSIT DSIT Entry-Normalized	63,315	-	63,315	-		Electric operations DSIT
32 671S F	Reg Asset - Pre Construction	132,918	-	132,918	-		Book Deferral Timing Differences
33 <mark>960F-></mark>	XS Excess ADFIT 283.1 - Unprotected	(786)	-	(786)	-	-	Related to Excess ADIT on Non-Plant Timing Differences
34							
35 Subtot	tal - Form 1 p276, line 9, column (b)	195,782	-	195,782	-	-	
36 Wages	s & Salary Allocator					1.00	
37 Net Pla	lant Allocator				1.00		
38 Total -	- sum cols. D-G	195,782		195,782	-	-	

Transource Pennsylvania, LLC Attachment 4b - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

A description of each item and justification for the exclusion from or allocation to the Transmission function will be listed below. Dissimilar items with amounts exceeding \$100,000 will be listed separately.

Instructions for Account 190:

- 1. ADIT items related only to Non-Electric Utility Operations and excluded items are directly assigned to Column C
- 2. ADIT items related only to Transmission other than Plant-related items are directly assigned to Column D
- 3. ADIT items related to Plant and not in Columns C & D are included in Column E
- 4. ADIT items related to Labor and not in Columns C & D are included in Column F

	Α	В	С	D	F	G	Н
Line:	ADIT-190	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification
1	612Y Accrued Companywide Incentive Plan	-	-	-	-		Book Accrual Timing Differences
2	631U Def Sec 195 Start Up Costs	-	-	-	-	-	
3	911Q-DSIT DSIT Entry-Normalized	13,282	-	13,282	_	-	Electric operations DSIT
4	960Z - NOL-Deferred Tax Asset Reclass	(0)	-	(0)	-	-	Federal taxable loss
5	014C-PA - NOL-State C/F-Deferred Tax Asset	1,594	-	1,594	-	-	Pennsylvania taxable loss
6							
7							
8							
9							
10		-					
11	Subtotal - Form 1 p234, line 8, column (c)	14,876	-	14,876	-	-	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	14,876		14,876	-	-	

Transource Pennsylvania, LLC Attachment 4b - Accumulated Deferred Income Taxes (ADIT) Worksheet (End of Year)

Page 2 of 2

Instructions for Account 281/282/283:

- 1. ADIT items related only to Non-Electric Utility Operations and excluded items are directly assigned to Column C
- 2. ADIT items related only to Transmission other than Plant-related items are directly assigned to Column D
- 3. ADIT items related to Plant and not in Columns C & D are included in Column E
- 4. ADIT items related to Labor and not in Columns C & D are included in Column F

	A ADIT- 281	B Total	C Non-Electric	D Transmission	F Plant	G Labor	Н
Line:			or Excluded	Related	Related	Related	Justification
15		-					
16		-					
17	Subtotal - Form 1 p273, line 8, column (k)	-	-	-	-	-	
18	Wages & Salary Allocator					1.00	
19	Net Plant Allocator				1.00		
20	Total - sum cols. D-G	-			-	-	
21	Wages & Salary Allocator					1.00	
22	Net Plant Allocator				1.00		
23	Total - sum cols. D-G	-		-	-	-	
	•						
	A	В	С	D	F	G	Н
	ADIT- 282	Total	Non-Electric	Transmission	Plant	Labor	
Line:	_		or Excluded	Related	Related	Related	Justification
24	712K Capitalized Software Cost	38,205	-	-	38,205	-	Related to Capitalized Software Timing Differences
25	310A AOFUDC	24,305	-	-	24,305		Related to Capitalized Interest Timing Differences
26	960F-XS Exess ADFIT 282.1 - Protected	2,382	-	-	2,382	-	Related to Excess ADIT on Plant Timing Differences
27	960F-XS Exess ADFIT 282.1 - Unprotected	-	-	-	-	-	Related to Excess ADIT on Plant Timing Differences
28							
29							
30	Subtotal - Form 1 p275, line 2, column (k)	64,892	-	-	64,892	-	
31	Wages & Salary Allocator					1.00	
32	Net Plant Allocator				1.00		
33	Subtotal - sum cols. D-G	64,892		-	64,892	-	
34	Less: IRS Proration Adjustment - Att. 4C, line 19	-			-		
35	Total - sum cols. D-G	64,892	-	-	64,892	-	
	Α	В	С	D	F	G	Н
	ADIT- 283	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
36	014C-PA - NOL-State C/F-Deferred Tax Asset	335	-	335	-		DFIT on Maryland State NOL carryforward in 190
37	911Q-DSIT DSIT Entry-Normalized	63,246	-	63,246	-		Electric operations DSIT
38	671S Reg Asset - Pre Construction	99,689	-	99,689	-		Book Deferral Timing Differences
39	960F-XS Excess ADFIT 283.1 - Unprotected	(786)	-	(786)	-	-	Related to Excess ADIT on Non-Plant Timing Differences
40							
41							
42	Subtotal - Form 1 p277, line 9, column (k)	162,483	-	162,483	-	-	
43	Wages & Salary Allocator					1.00	
44	Net Plant Allocator				1.00		
45	Total - sum cols. D-G	162,483		162,483	-	-	

Transource Pennsylvania, LLC Attachment 4c - Proration of Property-Related Accumulated Deferred Income Taxes

Note: This workpaper documents the calculation of the rate base adjustment to prorate forecasted activity in ADIT resulting from the use of accelerated tax depreciation on additions to plant in service required by IRS regulation Section1.167(I)-I(h)(6)(ii) when preparing forecasted rates. This worksheet is not used during Annual True-Ups. The adjustment on line 21 is included on Attachment 4b as a reduction to the ending forecasted ADIT balance of ADIT Account 282.

Calculation of Account 282 monthly forecasted activity for Proratable balances

		Source	
1	Rate Year ending balance	Attachment 4b, line 30 Column B	-
2	Rate Year beginning balance	Attachment 4a, line 26 Column B	-
3	Annual forecasted change	Line 1 less Line 2	0
4	Monthly forecasted change	Line 3 / 12	0

	(A)	Р	(B) roratable		(C)	(D)	(E)	(F)	(G)			(H)
		De	ferred Tax	D	eferred Tax		Number of Days					
Line	Future Test Period		Activity		Balance	Days in Month	Left in Period	Proration Amount	Prorated	Item	Prorate	ed Balance
5	Beginning Balance	\$	-	\$	-		365	100.00%	\$	-	\$	-
6	January (line 4)	\$	-	\$	-	31	335	91.78%	\$	-	\$	-
7	February	\$	-	\$	-	28	307	84.11%	\$	-	\$	-
8	March	\$	-	\$	-	31	276	75.62%	\$	-	\$	-
9	April	\$	-	\$	-	30	246	67.40%	\$	-	\$	-
10	May	\$	-	\$	-	31	215	58.90%	\$	-	\$	-
11	June	\$	-	\$	-	30	185	50.68%	\$	-	\$	-
12	July	\$	-	\$	-	31	154	42.19%	\$	-	\$	-
13	August	\$	-	\$	-	31	123	33.70%	\$	-	\$	-
14	September	\$	-	\$	-	30	93	25.48%	\$	-	\$	-
15	October	\$	-	\$	-	31	62	16.99%	\$	-	\$	-
16	November	\$	-	\$	-	30	32	8.77%	\$	-	\$	-
17	December	\$	-	\$	-	31	1	0.27%	\$	-	\$	-
18	Ending Balance			\$	-						\$	-
19	Proration Adjustment	- Line	18 Col. (H) le	ess C	ol. (C)						\$	

Attachment 5 Return on Rate Base Worksheet Transource Pennsylvania, LLC

\$

RETURN ON RATE BASE (R)

1	Long Term Debt Interest (117, sur	n of 62.c - 67.c) Note D			423,607		
2	Preferred Dividends (118.29c) (po	sitive number)			-		
3	Proprietary Capital (Line 25 (c))				7,607,633		
4	Less Preferred Stock (line 25 (b))				_		
5	Less Account 216.1 Undistributed	Subsidiary Farnings (Lin	e 25(d))		_		
6	Less Account 219 Accum. Other C	• •					
		•	. , ,			•	
7	Common Stock	(Sum of Lines 3 through	6)		7,607,633		
					\$	%	Cost Weighted
8	Long Term Debt	Line 25 (a), Note A and A	Attachment H-29A N	Tote O	11,200,529	40.00%	3.78% 1.51% =WCLTD
9		Line 25 (b), Note B and A			-	0.00%	0.00% 0.00%
10		Line 7, Note C and Attac			7,607,633	60.00%	10.40% 6.24%
11	Total	(Sum of Lines 8 through	um of Lines 8 through 10)				7.75% =R
			4.				
		(a)	(b)	(c)	(d)	(e)	
					Undistributed Sub	Accum Other	
		Long Term Debt	Preferred Stock	Proprietary Capital	Undistributed Sub Earnings 216.1	Accum Other Comp. Income 219	
	Monthly Balances for Capital Structure	(112.18-21.c)	Preferred Stock (112.3.c)	(112.16.c)			
12	December (prior year)	(112.18-21.c) 8,406,874		(112.16.c) 6,068,214	Earnings 216.1	Comp. Income 219	
12 13	December (prior year) January	(112.18-21.c) 8,406,874 9,500,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613	Earnings 216.1	Comp. Income 219	
12 13 14	December (prior year) January February	(112.18-21.c) 8,406,874 9,500,000 10,200,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274	Earnings 216.1	Comp. Income 219	
12 13 14 15	December (prior year) January February March	8,406,874 9,500,000 10,200,000 10,200,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605	Earnings 216.1	Comp. Income 219	
12 13 14 15 16	December (prior year) January February March April	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17	December (prior year) January February March April May	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000 11,500,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17 18	December (prior year) January February March April May June	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000 11,500,000 11,500,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901 8,002,559	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17	December (prior year) January February March April May June July	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000 11,500,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17 18	December (prior year) January February March April May June	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000 11,500,000 11,500,000 11,500,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901 8,002,559 8,083,099	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17 18 19 20	December (prior year) January February March April May June July August	(112.18-21.c) 8,406,874 9,500,000 10,200,000 10,700,000 11,500,000 11,500,000 11,500,000 12,000,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901 8,002,559 8,083,099 8,162,921	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17 18 19 20 21	December (prior year) January February March April May June July August September	(112.18-21.c) 8,406,874 9,500,000 10,200,000 10,700,000 11,500,000 11,500,000 12,000,000 12,000,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901 8,002,559 8,083,099 8,162,921 8,223,039	Earnings 216.1	Comp. Income 219	
12 13 14 15 16 17 18 19 20 21 22	December (prior year) January February March April May June July August September October	8,406,874 9,500,000 10,200,000 10,200,000 10,700,000 11,500,000 11,500,000 12,000,000 12,000,000 12,300,000	(112.3.c)	(112.16.c) 6,068,214 6,360,613 6,694,274 6,951,605 7,363,741 7,522,901 8,002,559 8,083,099 8,162,921 8,223,039 8,331,276	Earnings 216.1	Comp. Income 219	

Notes

- A Long Term debt balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 18.c to 21.c in the Form No. 1, the cost is calculated by dividing line 1 by the Long Term Debt balance on line 8.
- B Preferred Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 line 3.c in the Form No. 1
- Common Stock balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on Form 1 page 112 line 16.c less lines 3.c, 12.c, and 15.c
- D Long Term debt interest is the sum of Form 1 page 117 lines 62-67.c, with 65-66.c entered as negative numbers. If the Company has any short term debt with associated companies, the interest on that short term debt recorded in Account 430 will be excluded. The portion of interest in Account 430 related to any long term debt to associated companies will be included.

Attachment 6 Interest on True-Up Transource Pennsylvania, LLC

2019
Projected Revenue Requirement (Note A)
\$4,004,649

Less

Actual Net Revenue Requirement (Note B) \$2,482,098

Equals

Over (Under) Recovery \$1,522,551

Note A - Projected ATRR for the true-up year from Page 1, Line 1 of Projection Attachment H-29A minus Line 6 of Projection Attachment H-29A. Note B - Actual Net ATRR for the true-up year from Page 1, Line 10 of True-Up Attachment H-29A.

Interest Rate on Amount of F	Refunds or Surcharges	Over (Under) Recovery Plus Interest	Monthly Interest Rate on Attachment 6a 0.419%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection w	vill be recovered prorata over year c	ollected, held for one year and returned prora	ta over next year				
Calculation of Interest					Monthly		
January	Year 2019	126,879.26	0.419%	12	(6,384.56)		(133,263.82)
February	Year 2019	126,879.26	0.419%	11	(5,852.52)		(132,731.77)
March	Year 2019	126,879.26	0.419%	10	(5,320.47)		(132,199.73)
April	Year 2019	126,879.26	0.419%	9	(4,788.42)		(131,667.68)
May	Year 2019	126,879.26	0.419%	8	(4,256.38)		(131,135.63)
June	Year 2019	126,879.26	0.419%	7	(3,724.33)		(130,603.58)
July	Year 2019	126,879.26	0.419%	6	(3,192.28)		(130,071.54)
August	Year 2019	126,879.26	0.419%	5	(2,660.24)		(129,539.49)
September	Year 2019	126,879.26	0.419%	4	(2,128.19)		(129,007.44)
October	Year 2019	126,879.26	0.419%	3	(1,596.14)		(128,475.40)
November	Year 2019	126,879.26	0.419%	2	(1,064.09)		(127,943.35)
December	Year 2019	126,879.26	0.419%	1	(532.05)		(127,411.30)
					(41,499.67)		(1,564,050.73)
					Annual		
January through December	Year 2020	(1,564,050.73)	0.419%	12	(78,703)		(1,642,754)
Over (Under) Recovery Plus	Interest Amortized and Recovered (Over 12 Months			Monthly		
January	Year 2021	1,642,753.77	0.419%		(6,888.61)	140,656,10	(1,508,986.28)
February	Year 2021	1,508,986.28	0.419%		(6,327.68)	140,656.10	(1,374,657.85)
March	Year 2021	1,374,657.85	0.419%		(5,764.40)	140,656.10	(1,239,766.15)
April	Year 2021	1,239,766,15	0.419%		(5,198.75)	140,656.10	(1,104,308.80)
May	Year 2021	1,104,308.80	0.419%		(4,630.73)	140,656.10	(968,283.43)
June	Year 2021	968,283.43	0.419%		(4,060.34)	140,656.10	(831,687.66)
July	Year 2021	831,687.66	0.419%		(3,487.54)	140,656.10	(694,519.10)
August	Year 2021	694,519.10	0.419%		(2,912.35)	140,656.10	(556,775.34)
September	Year 2021	556,775,34	0.419%		(2,334.74)	140,656,10	(418,453.98)
October	Year 2021	418,453.98	0.419%		(1,754.72)	140,656.10	(279,552.60)
November	Year 2021	279,552.60	0.419%		(1,172.26)	140,656.10	(140,068.75)
December	Year 2021	140,068.75	0.419%		(587.35)	140,656.10	(0.00)
•		3,000.12			(45,119.49)	-,	(3133)
m - 1 4					Φ.	(1, 607, 072)	
Total Amount of True-Up Adju	istment				\$	(1,687,873)	
Less Over (Under) Recovery Total Interest					\$ \$	1,522,551 (165,322)	

Attachment 6a True-Up Interest Rate Calculation Transource Pennsylvania, LLC

This Attachment is used to compute the interest rate to be applied to each year's revenue requirement true-up.

	Applicable FERC Interest Rate (Note A):	
1	Rate Year January	5.18%
2	Rate Year February	5.18%
3	Rate Year March	5.18%
4	Rate Year April	5.45%
5	Rate Year May	5.45%
6	Rate Year June	5.45%
7	Rate Year July	5.50%
8	Rate Year August	5.50%
9	Rate Year September	5.50%
10	Rate Year October	5.42%
11	Rate Year November	5.42%
12	Rate Year December	5.42%
13	Rate Year Plus 1 January	4.96%
14	Rate Year Plus 1 February	4.96%
15	Rate Year Plus 1 March	4.96%
16	Rate Year Plus 1 April	4.75%
17	Rate Year Plus 1 May	4.75%
18	Rate Year Plus 1 June	4.75%
19	Rate Year Plus 1 July	3.43%
20	Rate Year Plus 1 August	3.43%
21	Average rate	5.03%
22	Monthly Average rate	0.42%

Note A - Lines 1-20 are the FERC interest rates under section 35.19a of the regulations for the period shown. Line 21 is the average of lines 1-20.

Attachment 7

Post-Employment Benefits Other than Pensions (PBOP)

Transource Pennsylvania, LLC

Calculation of PBOP Expenses

			AEP	KCP&L	Total
Line No.			(a) Year Ended	(b) Year Ended	$(\mathbf{c}) = (\mathbf{a} + \mathbf{b})$
1			December 31, 2015	December 31, 2015	
2	Total PBOP expenses, corporate parent companies	Note A	-\$92,333,868	\$8,386,137	
3	Amount relating to retired personnel	Note A	-\$46,186,984	\$3,469,667	
4	Amount allocated on Labor	Line 2 less line 3	-\$46,146,884	\$4,916,470	
5	Labor dollars	Note B	\$1,573,181,281	\$191,733,310	
6	Cost per labor dollar	Line 4 divided by line 5	-\$0.029	\$0.026	
7	Labor (labor not capitalized) current year	Note C	286,666	-	
8	PBOP Expense Allowed for current year	Line 6 times line 7	(8,409)	-	(8,409)
9					
10	Actual PBOP in Company's O&M and A&G expense accoun	ats in Form No. 1			-

Notes A

- Amounts on lines 2-3 reflect data from the 2015 actuarial reports for AEP and KCP&L. These values cannot change absent approval or acceptance by FERC in a separate proceeding.
- Amounts on line 5 reflect the actual AEP and KCP&L straight-time labor, including both capitalized and expensed labor, loaded for non-productive load. KCP&L's labor is \$243,676,962, as provided on the 2015 FERC Form 1 on page 354.96.d, less \$51,943,652 of labor dollars associated with the Wolf Creek Nuclear Facility.
- C The labor in line 7 is the total labor excluding capitalized labor charged by an AEP affiliate or KCP&L affiliate to the Company in the year.

Attachment 8 Cost of Debt Prior to Issuing Non-Construction Financing

Transource Pennsylvania, LLC

This Attachment 8 is to be utilized to determine the cost of debt prior to issuing non-construction financing. Once non-construction financing is issued the cost of debt shall be determined using the methodology described in Note Q on Attachment H-29A.

If construction debt has not or will not be issued when construction starts, a proxy interest rate will be used for the cost of debt, which will be supported in the initial section 205 filing. The proxy interest rate will be entered on line 36 of this attachment.

If construction financing has been obtained, the cost of debt prior to the issuance of non-construction financing shall be based on the terms of the construction financing and determined below. Up-front fees including origination fees will be amortized and included in the cost of debt.

If construction financing is obtained, all rates, fees and monthly debt balances will be subject to true up pursuant to Attachment 9.

Any hypothetical amounts in a filed template will be removed and replaced with actual amounts in the first year actual construction loans are borrowed or projected to be borrowed without the need for a section 205 filing to modify the template.

No		
1	Interest rate on Construction Debt for Rate Year - Line 19 (g)	#DIV/0!
2	Rate Year Debt Fee expense - Line 35 (e)	#DIV/0!
3	Total Cost of Debt	#DIV/0!
	Interest Rate Information	
4	Commitment Fee Rate (%)	0.00%
5	Projected Average Drawn Rate for Rate Year (%) - Note A	0.00%

	Month During Rate Year	Total Loan Amount (\$000)	Principal Drawn (\$000)	Unutilized Loan Balance (\$000)	Commitment Fee (\$000)	Interest Expense (\$000)	Effective Annual Interest Rate (%)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
6	December Prior Year	-	-	-	-	-	
7	January	-	-	-	-	-	
8	February	-	-	-	-	-	
9	March	-	-	-	-	-	
10	April	-	-	-	-	-	
11	May	-	-	-	-	-	
12	June	-	-	-	-	-	
13	July	-	-	-	-	-	
14	August	-	-	-	-	-	
15	September	-	-	-	-	-	
16	October	-	-	-	-	-	
17	November	-	-	-	-	-	
18	December	-	-	-	-	-	
19	Average of the 13 Monthly Balances		-		-	-	#DIV/0!

	Example Fee Calculation - All amounts represent actual rate year expense	e						
	Example Fee Calculation - All amounts represent actual rate year expense.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
						Rate Year		
						Amortized Fee	Prior Years	Unamortized
			Gross Fee Amount		Fee Amortization	Amount, col. b / col.	Accumulated Fee	Balance - End of
	Origination Fees	Rates/Fees	(\$000)	Year Fee Incurred	period (years)	d	Amortization	Rate Year
20	Underwriting Discount					#DIV/0!		#DIV/0!
21	Arrangement Fee					#DIV/0!		#DIV/0!
22	Upfront Fee					#DIV/0!		#DIV/0!
23	Rating Agency Fee					#DIV/0!		#DIV/0!
24	Legal Fees					#DIV/0!		#DIV/0!
25	Other					#DIV/0!		#DIV/0!
26	Total Issuance Expense / Origination Fees		-			#DIV/0!	-	#DIV/0!
27								
28	Annual Fees							
29	Annual Rating Agency Fee				N/A	-	N/A	N/A
30	Annual Bank Agency Fee				N/A	-	N/A	N/A
31	Utilization Fee				N/A	-	N/A	N/A
32	Other Fees				N/A	-	N/A	N/A
33	Total Fees		-			#DIV/0!	-	#DIV/0!
34	13 Month Average Debt balance - Line 19 (c)					-		
35	Rate Year cost of fees					#DIV/0!		
36	Proxy interest rate. Used prior to issuance of construction financing and su	pported in initial secti	on 205 filing.	2.98%				

Note

A Projected rate will be Average LIBOR for rate year + spread. LIBOR will be updated based on information in the Wall Street Journal as of the 15th day of the month prior to population of this template.

LIBOR	0.00%
Spread	0.00%
Total	0.00%

Attachment 9 True-up - Construction Financing Cost of Debt Transource Pennsylvania, LLC

This Attachment 9 is to be utilized only in the event construction financing has been obtained to compute the actual cost of debt to be included in the return on rate base calculation for the true-up each year prior to the issuance of non-construction financing. Once non-construction financing has been obtained the cost of debt shall be determined using the methodology described in Note Q on Attachment H-29A.

One time up-front debt fees, including origination fees will be amortized and included in the cost of debt.

Any hypothetical amounts in a filed template will be removed and replaced with actual amounts in the first year actual construction loans are borrowed or projected to be borrowed without the need for a section 205 filing to modify the template.

Line No.

		Ψ
1	Long Term Interest and Fees (117, sum of 62.c through 67.c) - Note A	423,607
2	Line of Credit Fees (68.c)	-
3	Total Interest and Fees	423,607

13 Month Average Long-Term Debt - Note B

True-Up Cost of Debt (Line 3 / Line 17)

	Month During Rate Year	Long Term Debt
	(a)	(d)
4	December Prior Year	8,406,874
5	January	9,500,000
6	February	10,200,000
7	March	10,200,000
8	April	10,700,000
9	May	11,500,000
10	June	11,500,000
11	July	11,500,000
12	August	12,000,000
13	September	12,000,000
14	October	12,300,000
15	November	12,900,000
16	December	12,900,000
17	Average of the 13 Monthly Balances	11,200,529

Notes

A Long Term debt interest is the sum of Form 1 page 117 lines 62-67.c, with 65-66.c entered as negative numbers. If the Company has any short term debt with associated companies, the interest on that short term debt recorded in Account 430 will be excluded. The portion of interest in Account 430 related to any long term debt to associated companies will be included.

3.78%

B Long Term debt balance will reflect the 13 month average of the balances, of which the 1st and 13th are found on page 112 lines 18.c to 21.c in the Form No. 1, the cost is calculated by dividing line 3 by the Long Term Debt balance on line 17.

Attachment 10 Depreciation Rates Transource Pennsylvania, LLC

INITIAL PROPOSED TRANSMISSION AND GENERAL PLANT DEPRECIATION RATES CALCULATED FROM APPALACHIAN POWER COMPANY (WEST VIRGINIA) MORTALITY CHARACTERISTICS FROM CASE NO. 14-1151-E-D (NOTE A)

		Average Service Life (Years)	Iowa Curve	Salvage Factor	Cost of Removal Factor	Net Salvage Factor	Calculated Initial Annual Depreciation Rates (Note B)
TRANSI	MISSION PLANT						
351.0	Energy Storage Equipment	15	SQ	5%	5%	0%	6.67%
352.0	Structures & Improvements	62	R4.0	5%	15%	-10%	1.77%
353.0	Station Equipment	45	R1.5	28%	13%	15%	1.89%
354.0	Towers & Fixtures	68	R3.0	25%	35%	-10%	1.62%
355.0	Poles & Fixtures	42	R0.5	5%	20%	-15%	2.74%
356.0	OH Cond. & Devices	64	R3.0	30%	18%	12%	1.38%
357.0	Underground Conduit	50	R2.0	0%	0%	0%	2.00%
358.0	Underground Conductor and Devices	20	L4.0	0%	0%	0%	5.00%
	AL PLANT						4.500
390.0	Structures & Improvements	42	SQ	36%	11%	25%	1.79%
391.0	Office Furniture & Equipment	30	SQ	0%	0%	0%	3.33%
392.0	Transportation Equipment	27	SQ	0%	0%	0%	3.70%
393.0	Stores Equipment	55	SQ	0%	0%	0%	1.82%
394.0	Tools Shop & Garage Equipment	43	SQ	0%	10%	-10%	2.56%
395.0	Laboratory Equipment	37	SQ	0%	0%	0%	2.70%
396.0	Power Operated Equipment	25	SQ	0%	0%	0%	4.00%
397.0	Communication Equipment	24	SQ	0%	1%	-1%	4.21%
398.0	Miscellaneous Equipment	35	SQ	0%	0%	0%	2.86%
INTANO	GIBLE PLANT						
303	Miscellaneous Intangible Plant	5					20.00%

Notes

The proposed transmission and general plant depreciation rates were determined using the same depreciation study utilized by Appalachian Power Company to develop transmission and general plant depreciation rates that were approved by the Public Service Commission of West Virginia in their order in Case Nos. 14-1152-E-42T and 14-1151-E-D on May 26, 2015.

B These depreciation rates will not be changed absent a FERC order.

Attachment 11 Prior Period Adjustments or Corrections Transource Pennsylvania, LLC

			(a)	(b) Calendar Year
			Revenue	
Line			Impact of	Revenue
<u>No.</u>	<u>Description</u>	Source	Correction	<u>Requirement</u>
	THE 12 ST			
1	Filing Name and Date			-
2	Original Revenue Requirement			-
3				
4	Description of Correction 1			
5	Description of Correction 2			-
6				
7	Total Corrections	Line 4 + 5		-
8				
9	Corrected Revenue Requirement	line 2 + 7		-
10				
11				
12	Total Corrections	Line 7		-
13				
14	Average Monthly FERC Refund Rate	Note A		0.25%
15	Number of Months of Interest	Note B		30
16	Interest on Correction	Line 12 x 14 x 15		-
17				
18	Total Annual Refunds Due to Customers	Line 12+16		-

Notes:

- A The interest rate on corrections will be the average monthly FERC interest rate for the period from the beginning of the year being corrected through the most recent month available as of the time the correction is computed and included in an annual filing.
- B The number of months interest due on the correction will be the number of months from the beginning of the year being corrected through June of the year in which the correction will be reflected in rates. In this manner the interest computed will reflect all years prior to when the correction is reflected in rates plus interest on the average unrefunded balance of the correction during the year the correction is reflected in rates.

Attachment 12 Revenue Credit Detail Transource Pennsylvania, LLC

Line No.	_(Note 1)		(a)	(b) Less: Non	(c) = (a)- (b) Transmission-
1	Account 454 - Rent from Electric Property	Source	Company Total	Transmission	related
2	Joint pole attachments - telephone	Company books	-	-	-
3	Joint pole attachments - cable	Company books	-	-	-
4	Underground rentals	Company books	-	-	-
5	Transmission tower wireless rentals	Company books	-	-	-
6	Other rentals	Company books	-	-	-
7	Other rentals	Company books	-	-	-
8	Account 454 Revenue Credit	Form 1 300.19.b	-	-	_
9 10 11	Account 456.0 Other Operating Revenues Other Other Account 456.0 Revenue Credit	Company books Company books Form 1 300.21.b	<u> </u>	- - -	
11	Account 456.1 Revenues from Transmission of Electricity for Others	Tomi 1 300.21.0			
12	PJM NITS	Company books	-	-	-
13	PJM Point to Point	Company books	-	-	-
14	Over/Under recovery deferral	Company books	-	-	-
15	Other PJM revenues	Company books	4,004,649	-	4,004,649
16	Other	Company books	-	-	-
17	Total Per Books	Form 1 330.n	4,004,649	-	4,004,649
18	Less: revenues received pursuant to this Formula Rate	Company books	4,004,649		4,004,649
19	Less: Over/Under recovery deferral	Company books			-
20	Account 456.1 Revenue Credit	(Line 17 - line 18 - line 19)	-	-	-
21	Total 456.0 and 456.1 Revenue Credits	(Line 11 + line 20)	-	-	-

Note 1 All 454, 456.0 and 456.1 revenues will be detailed from Company books and records or FERC Form 1, and additional rows added if necessary. Non-transmission related amounts will be deducted to determine transmission-related amounts. Revenues that are not derived from PJM rates which are based on this transmission formula rate will be included as a revenue credit.

Attachment 13 Facility Credits under Section 30.9 of the PJM OATT Transource Pennsylvania, LLC

Line No. Source Amount

1 Facility Credits under Section 30.9 of the PJM OATT

Note:

Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to an approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the Parties.

Appendix B CWIP Report

Transource Pennsylvania, LLC CWIP Report CWIP and AFUDC Balances For the 2019 Rate Year

	(A)	(B)	(C)	(D)
_	CWIP as of 12/31/19	AFUDC 1/1/19 - 12/31/19	AFUDC Regulatory Liability 1/1/19 - 12/31/19	Revenue Requirement 1/1/19 - 12/31/19
Independence Energy Connection Project	\$26,757,314	\$0	\$0	\$2,059,579
TOTAL	\$26,757,314	\$0	\$0	\$2,059,579

NOTE:

Column (A) reflects 100% of CWIP Balances as of December 31, 2019

Column (B) represents total AFUDC accumulated from 1/1/19 - 12/31/19. No AFUDC was recorded.

Column (C) represents the total AFUDC regulatory liability booked from 1/1/19 - 12/31/19. No Regulatory Liability was recorded.

Column (D) represents the pre-tax return on rate base related to the 13 month average CWIP balance included in rate year cost of service.

Transource Pennsylvania, LLC CWIP Report Actual CWIP and AFUDC Monthly Balances For the 2019 Rate Year

Independence Energy Connection Project

CWIP	Dec-18 14,746,943	Jan-19 16,388,632	Feb-19 16,564,981	Mar-19 16,933,539	Apr-19 17,627,635	May-19 18,192,877	Jun-19 18,772,571	Jul-19 18,763,465	Aug-19 19,681,377	Sep-19 20,425,731	Oct-19 34,018,497	Nov-19 21,371,202	Dec-19 26,757,314
AFUDC (Activity)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: This worksheet reflects actual data.

Transource Pennsylvania, LLC CWIP Report Project Description and Current Status For the 2019 Rate Year

Independence Energy Connection Project

The project consists of:

- a) the Conemaugh Hunterstown 500 kV line & new Rice 500 kV & 230 kV stations. Install two 500/230 kV transformers, operated together.
- b) Build new 230 kV double circuit line between Rice and Ringgold 230 kV, operated as a single circuit.
- c) Tap the Peach Bottom TMI 500 kV line, create new Furnace Run 500 kV & 230 kV stations, and interconnect to the 230 kV transmission system.

The project is estimated to cost \$261.5 million¹ and is scheduled to go into service in October 2022. Transource Pennsylvania's portion of the project is approximately \$245.8 million.

The PJM Project identifying numbers for this project are b2743.1, b2743.5, b2752.1 and b2752.5. The project was identified in PJM's regional transmission planning process and awarded to Transource Pennsylvania on the basis of a competitive bid, as evidenced in the Designated Entity Agreement between PJM, Interconnection LLC and Transource Pennsylvania, LLC in FERC Docket No. ER17-349.

Current Status

Certificate of Public Convenience and Necessity filings have been made in both Pennsylvania and Maryland. Construction is prepared to begin upon receipt of regulatory approval.

¹ Project estimate in 2020 dollars.

Appendix C Customer Meeting Notice



MEETING NOTICE

Transource Pennsylvania, LLC

Annual Transmission Formula Rate True-Up Meeting

To All Interested Parties:

In accordance with the formula rate implementation protocols of the PJM Open Access Transmission Tariff, Transource Pennsylvania will host an open meeting among Interested Parties regarding its 2019 Annual True-Up. The purpose of the meeting is to explain the Annual True-Up and provide Interested Parties with an opportunity to ask questions and seek information from Transource Pennsylvania about the Annual True-Up.

Date: July 30, 2020

Time: 3:00 p.m. – 4:00 p.m. (Eastern Time)

Webex Meeting Info:

https://aep.webex.com/aep/j.php?MTID=me055f7e3d4379beabdb893bedb0a0791

Meeting number (access code): 161 536 9611

Meeting password: 3KNeJQPMq74

Join by phone

Tap to call in from a mobile device (attendees only)

+1-415-655-0001 US Toll

+1-415-655-0001 US Toll

Global call-in numbers

Participants may attend either in person or by tele/web conference. If you wish to participate in the Customer Meeting, please RSVP to Doug Larson (drlarson@aep.com) by noon on Wednesday, July 24, 2020, with the following information:

- Name
- Title
- Company
- Address
- Phone Number
- Client(s), if applicable