Rate Formula Template - Attachment H-29A Utilizing FERC Form 1 Data Transource Pennsylvania, LLC Formula Rate - Non-Levelized For the 12 months ended 12/31/2020

Line	(1)	(2)	(3)		(4)	1	(5) Allocated
No.	_	Source					Amount
1	GROSS REVENUE REQUIREMENT, without incentives	(page 3, line 49)				\$	6,147,836
	REVENUE CREDITS	(Note A)	Total	A	llocator		
2	Account No. 454	(page 4, line 20)	<del>-</del>	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		<del>-</del>	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	(938,237)	DA	1.0000		(938,237)
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)				\$	5,209,599

Rate Formula Template - Attachment H-29A Utilizing FERC Form 1 Data Transource Pennsylvania, LLC Formula Rate - Non-Levelized For the 12 months ended 12/31/2020

	(1)	(2)			(4)	(5) <b>Transmission</b>
Line	DATE DAGE (NA D)	Source	<b>Company Total</b>	Allocato	r	(Col 3 times Col 4)
No.	RATE BASE: (Note R)	N . C				
1	GROSS PLANT IN SERVICE	Note C		NIA		
1	Production Transmission	205.46.g for end of year, records for other months		NA TP	1.0000	-
2 3	Distribution	Attachment 4, Line 14, Col. (b) 207.75.g for end of year, records for other months		NA	1.0000	-
4	General & Intangible	Attachment 4, Line 14, Col. (c)	61,595	W/S	1.0000	61,595
5	TOTAL GROSS PLANT		61,595	GP=	1.0000	61,595
3	TOTAL GROSS PLANT	(Sum of Lines 1 through 4)	61,393	GP=	1.0000	01,393
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)	42,658	W/S	1.0000	42,658
11	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 10)	42,658			42,658
12	NET PLANT IN SERVICE	(l' 1 l' 7)				
13	Production	(line 1 - line 7)	-			-
14	Transmission	(line 2 - line 8)	-			-
15	Distribution	(line 3 - line 9)	19.026			19.026
16	General & Intangible	(line 4 - line 10)	18,936	NID	1 0000	18,936
17	TOTAL NET PLANT	(Sum of line 5 - line 11)	18,936	NP=	1.0000	18,936
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)	(45,696)	NP	1.0000	(45,696)
21	Account No. 283 (enter negative)	Attachment 4, Line 28, Col. (f) (Note D)	(187,192)	NP	1.0000	(187,192)
22	Account No. 190	Attachment 4, Line 28, Col. (g) (Note D)	21,605	NP	1.0000	21,605
23	Account No. 255 (enter negative)	Attachment 4, Line 28, Col. (h) (Note D)	-	NP	1.0000	-
24	Unfunded Reserves (enter negative)	Attachment 4, Line 43, Col. (h)	-	DA	1.0000	-
25	CWIP	Attachment 4, Line 14, Col. (d) (Note W)	52,513,868	DA	1.0000	52,513,868
26	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note E)	395,590	DA	1.0000	395,590
27	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Note F)	<u> </u>	DA	1.0000	
28	TOTAL ADJUSTMENTS	(Sum of line 19 - line 27)	52,698,175			52,698,175
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)	66,327			66,327
32	Materials & Supplies	Attachment 4, Line 14, Col. (f)	-	TP	1.0000	-
33	Prepayments (Account 165)	Attachment 4, Line 14, Col. (g)	-	GP	1.0000	-
34	TOTAL WORKING CAPITAL	(Sum of line 31 - line 33)	66,327			66,327
35	RATE BASE	(Sum of line 17, 28, 29, 34)	52,783,439			52,783,439

Formula Rate - Non-Levelized

Rate Formula Template - Attachment H-29A

For the 12 months ended 12/31/2020

Utilizing FERC Form 1 Data

Transource Pennsylvania, LLC	
Transource Fernisyrvania, LLC	

	(1)	(2)	(3)		(4)	(5)
Line No.		Source	Company Total	Alloc	oton	<b>Transmission</b> (Col 3 times Col 4)
NO.	O&M	Source	<b>Company Total</b>	Alloc	ator	(Coi 3 times Coi 4)
1	Transmission	321.112.b	401,392	TP	1.0000	401,392
2	Less Account 566 (Misc Trans Expense)	321.97.b	158,236	TP	1.0000	158,236
3	Less Account 565	321.96.b	-	TP	1.0000	136,230
4	A&G	323.197.b	294,284	W/S	1.0000	294,284
5	Less FERC Annual Fees	350.h (Note I)	-	W/S	1.0000	-
6	Less EPRI Dues	Note J		W/S	1.0000	
7	Less Reg. Commission Expense Account 928	Note J		W/S	1.0000	_
8	Less: Non-safety Advertising account 930.1	Note J		W/S	1.0000	
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		TP	1.0000	
11	Plus PBOP Expense Allowed Amount	Attachment 7, Line 8, Col. (c)	(6,820)	W/S	1.0000	(6,820)
12	Plus Transmission Lease Payments in Acct 565	Note V	(0,820)	DA	1.0000	(0,820)
13	Account 566	Note v		DA	1.0000	
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	130,230	TP	1.0000	150,250
16	Total Account 566	(Sum of line 14 - line 15)" Ties to 321.97b	158,236	11	1.0000	158,236
17	TOTAL O&M	(Sum of Lines 1, 4, 10, 11, 12, 16 less Lines 2, 3, 5-9)	688,856			688,856
17	TOTAL OWN	(Sum of Lines 1, 4, 10, 11, 12, 10 less Lines 2, 3, 3-7)	088,830			088,830
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	89,118	W/S	1.0000	89,118
21	Amortization of Abandoned Plant	Note F	-	DA	1.0000	-
22	TOTAL DEPRECIATION	(Sum of line 19 - line 21)	89,118			89,118
23	TAXES OTHER THAN INCOME TAXES (Note M)					
24	LABOR RELATED					
25	Payroll	263.i	_	W/S	1.0000	_
26	Highway and vehicle	263.i	_	W/S	1.0000	_
27	PLANT RELATED	20011		*****	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)	-			-
33	INCOME TAXES (Note N)	Note N				
34	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} * (1-TEP)$	Note IV	28.89%			
35	CIT = (T/1-T) * (1-(WCLTD/R)) =	WCLTD = Page 4, Line 15, R = Page 4, Line 18	33.19%			
36	FIT & SIT & P	Web1b = rage 4, blile 15, K = rage 4, blile 16	33.1770			
37	111 & 511 & 1					
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)	140.0370			
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)	1,338,269	NA		1,338,269
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)	<u>-</u>	NP	1.00000	_
46	Total Income Taxes	(Sum of line 42 - line 45)	1,338,269	4.14	1.00000	1,338,269
47	RETURN					
47	Rate Base times Return	(Page 2, line 35 times Page 4, Line 18)	4,031,593	NA		4,031,593
40						
49	GROSS REVENUE REQUIREMENT	(Sum of line 17,22, 32, 46, 48)	6,147,836			6,147,836

(5)

(2)

(1)

(3)

(4)

	` '	, ,	· /	` '	` /
		SUPPORTING CALCULATIONS AND NOT	ES		
Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES				
1	Total Transmission plant	(Page 2, Line 2, Column 3)			-
2 3	Less Transmission plant excluded from ISO rates Less Transmission plant included in OATT Ancillary Service rates	(Note P) (Note S)			-
3 4	Transmission plant included in ISO rates	(Line 1 minus Lines 2 & 3)	-	-	-
	F	(			
5	Percentage of Transmission plant included in ISO Rates	(Line 4 divided by Line 1) (If line 1 is zero, enter 1)		TP=	1.0000
6	WAGES & SALARY ALLOCATOR (W&S)				
Ü	Wileds & Silding (1825)	Form 1 Reference	\$ TP	Allocation	
7	Production	354.20.b		-	
8	Transmission	354.21.b	- 1.0000	-	
9	Distribution	354.23.b	The second secon	-	W&S Allocator
10	Other	354.24,25,26.b	-	<del>-</del> -	(\$ / 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	RETORIT (R)			-	Ψ
14			\$ %	Cost	Weighted
15	Long Term Debt	Attachment 5, (Notes Q & R)	34,384,615 40.0%	3.49%	1.40%
16	Preferred Stock (112.3.c)	Attachment 5, (Notes Q & R)	- 0.0%	0.00%	0.00%
17	Common Stock	Attachment 5, (Notes Q, R, and T)	51,576,923 60.0%	10.40%	6.24%
18	Total	(Sum of line 15 - line 17)	85,961,538		7.64%
19	REVENUE CREDITS				
20	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	Attachment 12, line 8 (Note U)		-	-
21	ACCOUNTS 456.0 AND 456.1 (OTHER ELECTRIC REVENUES)	Attachment 12, line 21 (Note A)			-

Formula Rate - Non-Levelized

Rate Formula Template - Attachment H-29A

Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2020

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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 (T/1-T).

Inputs Required:

FIT=

SIT=

9.99% (State Income Tax Rate)

(State Income Tax Rate or Composite SIT)

p = 
0.0% (percent of federal income tax deductible for state purposes)

TEP = 
0.0% (percent of the tax exempt ownership)

- 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).
- 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 cost of debt will be 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.
- 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)	(3)	(4)
Line No.		Attachment H-29A 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	52,513,868 52,513,868	
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)	688,856 1.31%	1.31%
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)	89,118 0.17%	0.17%
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		1.48%
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)	1,338,269 2.55%	2.55%
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)	4,031,593 7.68%	7.68%
16	Annual Allocation Factor for Return	Sum of line 13 and 15	10.23%	10.23%

### 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 No.	Project Name	PJM Category	RTEP Project Number Or Other Identifier	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge
	1 Toject Tume	1 divi Caregory				3gr			
				(Note D)	(Page 1 line 11)	(Col. 3 * Col. 4)	(Note E)	(Page 1 line 16)	(Col. 6 * Col. 7)
1a 1b	PJM Market Efficier	nc Schedule 12	b2743.5, b2743.1, b2752.5, b2752.1	52,513,868	0.015 0.015	777,974 -	\$ 52,513,86 \$ -	0.102 0.102	1
2	Total Schedule 12			52,513,868		777,974	\$ 52,513,86		5,369,862
3a 3b		Zonal		- -	0.015 0.015	- -	\$ - \$ -	0.102	1
4	Total Zonal			-		-	\$ -		-
5	Other								
6	Annual Totals			52,513,868	_	777,974	52,513,86	58	5,369,862

- 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 ("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
la lb	-	6,147,836	- -	-	6,147,836	- -	6,147,836	(938,237)	5,209,599
2	-	6,147,836		-	6,147,836	-	6,147,836	(938,237)	5,209,599
3a 3b	- -	-	- -	- -	-	-	-	-	-
4	-	-		-	-	-	-	-	-
5									-
6	-	6,147,836		-	6,147,836	-	6,147,836	(938,237)	5,209,599

- A 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.
- 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 ("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
- I 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						52,783,439
2	100 Basis Point Incentive Re	turn				_	\$	
			Source	\$	%	Cost	Weighted	
2	Long Term Debt	(Notes O. & D. from Attachment II 20A)	Bource	34,384,615	40.0%	3.49%	1.40%	
3	Preferred Stock	(Notes Q & R from Attachment H-29A) (Notes Q & R from Attachment H-29A)		34,364,013	0.0%	0.00%	0.00%	
4	Tiefelied Stock	(Notes Q & R from Attachment H-29A)	Cost = Attachment H-29A, page 4, Line	-	0.070	0.0070	0.0070	
5	Common Stock	(Notes Q, R, & T from Attachment H-29A)	17, Cost plus 100 bp	51,576,923	60.0%	11.40%	6.84%	
	Total (sum lines 3-5)	(Notes Q, K, & 1 Holli Attachinchi H-29A)	11, Cost plus 100 cp	85,961,538	00.070	11.70/0	8.24%	
	, ,	turn multiplied by Rate Base (line 1 * line 6)		05,901,550			0.2470	4,348,294
,	100 Basis I omt meentive Re	turn multiplied by Rate Base (line 1 - line 0)						4,540,294
Q	INCOME TAXES							
9		$T$ )] / (1 - SIT * FIT * p)} = * (1-TEP)		0.2889				
10	, , ,	***		0.3374				
11	WCLTD = Line 3			0.5574				
12		given in Attachment H-29A footnote N.						
13	•			1.4063				
	Amortized Investment Tax C	<i>'</i>	Attachment H-29A, Page 3, Line 39	-				
	Excess Deferred Income Taxo		Attachment H-29A, Page 3, Line 40	_				
	Tax Effect of Permanent Diff	,	Attachment H-29A, Page 3, Line 41	_				
	Income Tax Calculation = lin	` '					1,466,949	
18	ITC adjustment (line 13 * line	e 14)		_	NP	1.00	_	
	•	Adjustment (line 13 * line 15)		_	NP	1.00	-	
	Permanent Differences Tax A			-	NP	1.00	-	
21	Total Income Taxes (sum line	es 17 - 20)	_	_		=	1,466,949	1,466,949
22	Return and Income Taxes with	th 100 basis point increase in ROE	(line 7 + line 21)					5,815,243
		-						
23	Return (Attach. H-29A, pag	ge 3 line 48 col 5)						4,031,593
24	Income Tax (Attach. H-29A	A, page 3 line 46 col 5)						1,338,269
25	Return and Income Taxes with	thout 100 basis point increase in ROE	(line 23 + line 24)					5,369,862
26	Incremental Return and Incor	me Taxes for 100 basis point increase in ROE	(line 22 - line 25)					445,380.37
27	Rate Base (line 1)							52,783,439
28	Incremental Return and Incor	me Taxes for 100 basis point increase in ROE div	ided 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.
  - 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-Up Year Revenue Tr		True-Up Year Revenue	Actual True-Up Year					
1	True-Up Year			Requirement	Calculation	Received <sup>1</sup>	Revenue Req.		Annual True-	Up Calculation	
2	0					\$ 2,369,431					
	A		В	С	D	E	F	G	Н	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 <sup>2</sup>	Requirement	(E, Line 2) x (D)	Requirement <sup>3</sup>	Collection (F)-(E)	(Expense) <sup>4</sup>	Interest <sup>5</sup>	(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.	2,369,431	100.0%	2,369,431	1,520,837	(848,594)	(89,643)	-	(938,237)
4b				-	0.0%	=	-	=	-	-	-
5	Total Schedule 12			2,369,431		2,369,431	1,520,837	(848,594)	(89,643)	=	(938,237)
6a		Zonal		-	0.0%	-	-	-	-	-	-
6b				-	0.0%	-	-	-	-	-	-
7	Total Zonal			-		-	-	-	-	=	-
8	Other										
9	Total Annual Revenue Requirements			2,369,431	100.0%	2,369,431	1,520,837	(848,594)	(89,643)	-	(938,237)

Total Interest on True-Up - Attachment 6

**Prior Period Adjustment** 

01 1 01	rou rujustment		
	A		В
	Prior Period Adjustment		Adjustment
	(Note 5)	Source	Amount
11	Description of Adjustment	Attachment 11	-

### Notes:

10

- 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

Line		<b>Gross Plant In Service</b>		CWIP	LHFFU	Working Capital		Accumulated Depreciation	
No	Month	Transmission	General & Intangible	<b>CWIP</b> in Rate Base	Held for Future Use	Materials & Supplies	Prepayments	Transmission	General & Intangible
	(a)	<b>(b)</b>	(c)	<b>(d)</b>	(e)	<b>(f)</b>	<b>(g</b> )	<b>(h)</b>	<b>(i)</b>
	(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 or year, records for other months	f 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	-	97,947	23,001,337	-		-		28,228
2	January		81,764	23,836,337	-		-		30,230
3	February	-	56,457	32,416,540			-		32,327
4	March	-	56,457	33,476,540			-		34,431
5	April	-	56,457	35,997,601	-		-		36,683
6	May	-	56,457	36,862,601	-		-		38,925
7	June	-	56,457	37,832,601			-		30,723
8	July	-	56,457	42,482,601	-		-		43,384
9	August	-	56,457	60,292,783	-		-		45,602
10	September	-	56,457	72,502,110	-		-		56,457
11	October	-	56,457	83,552,110	-		-		56,457
12	November	-	56,457	96,107,137	-		-		56,457
13	December	-	56,457	104,319,987	<u> </u>		<u>-</u> .		56,457
14	Average of the 13 Monthly Balances		61,595	52,513,868	-	-	-	-	42,658

### **Adjustments to Rate Base**

				Account No. 281	Account No. 282	Account No. 283	Account No. 190	Account No. 255
Line		Unamortized Regulatory	Unamortized Abandoned	<b>Accumulated Deferred</b>	<b>Accumulated Deferred</b>	<b>Accumulated Deferred Income</b>	<b>Accumulated Deferred</b>	<b>Accumulated Deferred</b>
No	Month	Asset	Plant	<b>Income Taxes (Note E)</b>	<b>Income Taxes (Note E)</b>	Taxes (Note E)	<b>Income Taxes (Note E)</b>	<b>Investment Credit</b>
	(a)	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>	(e)	<b>(f)</b>	<b>(g)</b>	<b>(h)</b>
								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	474,708	-	-	(6,274)	142,053	8,792	-
16	January	461,521	-					-
17	February	448,335	-					-
18	March	435,149	-					-
19	April	421,962	-					-
20	May	408,776	-					-
21	June	395,590	-					-
22	July	382,403	-					-
23	August	369,217	-					-
24	September	356,031	-					-
25	October	342,844	-					-
26	November	329,658	-					-
27	December	316,472	-	-	97,666	232,331	34,418	-
28	Average of the 13 Monthly Balances	395,590	-	-	45,696	187,192	21,605	-

## Attachment 4 Rate Base Worksheet Transource Pennsylvania, LLC

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

			Less: CWIP Excluded I	ess: AFUDC Excluded from						
		Total CWIP	from Rate Base	Rate Base	<b>CWIP Allowed in Rate Base</b>	2				
		(a)	<b>(b)</b>	(c)	(d) = (a) - (b) - (c)					
		216.b for end of year,								
		records for other months	Company records	Company records						
29	December Prior Year	23,020,615	19,278	-	23,001,337					
30	January	23,850,384	14,047	-	23,836,337					
31	February	32,423,560	7,020	-	32,416,540					
32	March	33,476,540	-	-	33,476,540					
33	April	35,997,601	-	-	35,997,601					
34	May	36,862,601	-	-	36,862,601					
35	June	37,832,601	-	-	37,832,601					
36	July	42,482,601	-	-	42,482,601					
37	August	60,292,783	-	-	60,292,783					
38	September	72,502,110	-	-	72,502,110					
39	October	83,552,110	-	-	83,552,110					
40	November	96,107,137	-	-	96,107,137	,				
41	December	104,319,987	-	-	104,319,987					
		52,516,971	3,103	-	52,513,868					
						_				
	<u>Unfunded Reserves</u> (Notes A and F through H)									
	(a)	(b)	(b.i)	(b.ii)	(c)	(d)	(e)	(f)	(g)	(h)
							Enter 1 if the accrual	Enter the percentage paid		
						Enter 1 if NOT in a trust or	account is included in the	for by customers less the		Amount
			FERC balance sheet	FERC income statement		reserved account, enter zero (0) it	f formula rate, enter (0) if the	percent associated with an		Allocated, col. c x
			account where reserves are	account where reserves are		included in a trust or reserved	accrual account is NOT	offsetting liability on the	Allocation (Plant or Labor	r col. d x col. e x
	List of all reserves:		recorded	recorded	Amount	account	included in the formula rate	balance sheet (Note H)	Allocator)	col. f x col. g
42a		Reserve 1	-	-	-	-	-	-	-	-
42b		Reserve 2	-	-	-	-	-	-	-	-
43		Total			-					-

- A Calculate using 13 month average balance, except ADIT which is calculated as described in Note E.
- Recovery of CWIP in rate base must be approved by FERC. Lines 29-41 of page 2 provide a reconciliation of 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 this Attachment.
- 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.
- 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(l)-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 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.
- 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
	ADIT-190	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
1	911Q-DSIT DSIT Entry-Normalized	8,792	-	8,792	-	-	Electric operations DSIT
2	960F-XS Excess ADFIT 282.4 - Protected	968	968	-	-	-	Gross-up on Excess ADIT related to Plant
3	960F-XS Excess ADFIT 283.4 - Unprotected	(319)	(319)	-	-	-	Gross-up on Excess ADIT related to Non-Plant
4		-					
5		-					
6		-					
7		-					
8		-					
9		-					
10		-					
11	Subtotal - Form 1 p234, line 8, column (b)	9,441	649	8,792	-	-	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	8,792		8,792	-	-	

### Transource Pennsylvania, LLC

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

### 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

Company   Comp		A	В	C	D	F	G	Н
16	Lina	ADIT- 281	Total	Non-Electric	Transmission	Plant	Labor	li redificadi an
16				or Excluded	Related	Related	Related	Justification
Subtotal - Form 1 p272, line 8, column (b)			-					
18		Subtatal Form 1 n272 line 9 calumn (h)	-					
Net Plant Allocator				-	-	-	1.00	
Total - sum cols, D-G		·				1.00	1.00	
A DIT - 282 Total Non-Electric Transmission Related Related Related Related Related Capitalized Differences (33,382) (33,382) - Related to Capitalized Plant Timing Differences (33,382) (33,382) Related to Capitalized Plant Timing Differences (33,382) (33,382) Related to Capitalized Plant Timing Differences (33,382)						1.00		
ADIT - 282	20	Total - Sulli cols. D-G	-		- 1	-	-	
ADIT - 282		Λ	D	C	D	_	G	Ц
Line:					_	·		П
230A-Book vs Tax Plant Timing Differences   (33,382)   - (33,382)   - Related to Capitalized Plant Timing Differences   (712K Capitalized Software Cost-Book   24,618   - 24,618   - Related to Capitalized Software Timing Differences   (712K Capitalized Software Cost-Book   24,618   - 24,618   - Related to Removal Cost Expenditures   (712K Capitalized Software Timing Differences   (712K Capitalized Removal Cost Expenditures   (712K Capitalized Related   (712K Capita	Lino	ADIT- 202	Total					luctification
712K Capitalized Software Cost-Book   24,618		230A-Book vs Tax Plant Timing Differences	(33 382)	or Excluded	- Ivelated			
910K-Removal Costs   108		·	` '	-	_	` '		
Substal - Form 1 p274, line 2, column (b)   21,912   28,186   -     (6,274)   -		·		_	_			
25   280A-Flow-Thru Book Depreciation   (197)   (197)   -   -   -   Related to Flow-Back of AFUDC-Equity   30,765   30,765   -   Related to Capitalized Interest Timing Differences   Related to Capitalized Interest Timing Differences   27   960F-XS Excess ADFIT 282.4 - Protected   (2,382)   (2,382)   -     Related to Excess ADIT on Plant Timing Differences   Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000     Related to Excess ADIT on Plant Timing Differences   1,000   Related   Re				_	_			·
310A AFUDC-Equity   30,765   30,765   30,765   -   -   Related to Capitalized Interest Timing Differences				(107)		2,302		Ţ
27   960F-XS Excess ADFIT 282.4 - Protected   (2,382)   (2,382)   -   -   Related to Excess ADIT on Plant Timing Differences		·	` '	· · · · ·	_	_		
Subtotal - Form 1 p274, line 2, column (b)   21,912   28,186   -					_	_		·
Wages & Salary Allocator			` ` '	`	_	(6 274)		Treated to Excess ABTI Off Flank Tilling Billorefices
Net Plant Allocator		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	21,312	20,100		(0,214)	1.00	
A B C D F G H ADIT- 283 Total Non-Electric or Excluded Related Related Related Related Related Sustification  132 671S Reg Asset - Pre Construction Costs 100,972 - 100,972 - Book Deferral Timing Differences 110,0971 - Electric operations DSIT 110,0972 - Electric operations DSIT 110,0972 - Related to Excess ADIT on Non-Plant Timing Difference 136 960F-XS Excess ADFIT 283.1 - Unprotected 786 786 - Related to Excess ADIT on Non-Plant Timing Difference 137 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053 - Related to Excess ADIT on Non-Plant Timing Difference 11,000						1.00	1.00	
A B C D F G H  ADIT- 283 Total Non-Electric or Excluded Related Related Related Related Related Sustification  32 671S Reg Asset - Pre Construction Costs 100,972 - 100,972 - Book Deferral Timing Differences  33 911Q-DSIT DSIT Entry-Normalized 41,867 - 41,867 - Electric operations DSIT  34 960F-XS Excess ADFIT 283.1 - Unprotected (786) - (786) - Related to Excess ADIT on Non-Plant Timing Difference  35 960F-XS Excess ADFIT 283.4 - Unprotected 786 786 - Related to Excess ADIT on Non-Plant Timing Difference  36 37 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053  38 Wages & Salary Allocator 1.00		<b>1</b>	(6 274)		_		_	
ADIT- 283  Total Non-Electric or Excluded Related Related Related Related Related Related Substitution  32 671S Reg Asset - Pre Construction Costs 100,972 - 100,972 - Book Deferral Timing Differences  33 911Q-DSIT Entry-Normalized 41,867 - 41,867 - Electric operations DSIT  34 960F-XS Excess ADFIT 283.1 - Unprotected (786) - Related to Excess ADIT on Non-Plant Timing Difference  35 960F-XS Excess ADFIT 283.4 - Unprotected 786 786 Related to Excess ADIT on Non-Plant Timing Difference  36 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053  38 Wages & Salary Allocator 1.00	01	Total Sulf Gold. B G	(0,214)		1	(0,214)		
ADIT- 283 Total Non-Electric or Excluded Related Related Related Related Related Related Substitution  32 671S Reg Asset - Pre Construction Costs 100,972 - 100,972 - Book Deferral Timing Differences  33 911Q-DSIT DSIT Entry-Normalized 41,867 - 41,867 - Electric operations DSIT  34 960F-XS Excess ADFIT 283.1 - Unprotected (786) - (786) - Related to Excess ADIT on Non-Plant Timing Difference  35 960F-XS Excess ADFIT 283.4 - Unprotected 786 786 Related to Excess ADIT on Non-Plant Timing Difference  36 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053  38 Wages & Salary Allocator 1.00		Δ	В	С	D	F	G	Н
Line: or Excluded Related Related Related Related Related Substitution  32 671S Reg Asset - Pre Construction Costs 100,972 - 100,972 - Book Deferral Timing Differences  33 911Q-DSIT DSIT Entry-Normalized 41,867 - 41,867 - Electric operations DSIT  34 960F-XS Excess ADFIT 283.1 - Unprotected (786) - (786) - Related to Excess ADIT on Non-Plant Timing Difference  35 960F-XS Excess ADFIT 283.4 - Unprotected 786 786 Related to Excess ADIT on Non-Plant Timing Difference  36 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053  38 Wages & Salary Allocator 1.00			_			·		
32       671S Reg Asset - Pre Construction Costs       100,972       -       -       Book Deferral Timing Differences         33       911Q-DSIT DSIT Entry-Normalized       41,867       -       41,867       -       Electric operations DSIT         34       960F-XS Excess ADFIT 283.1 - Unprotected       (786)       -       (786)       -       -       Related to Excess ADIT on Non-Plant Timing Difference         35       960F-XS Excess ADFIT 283.4 - Unprotected       786       786       -       -       -       Related to Excess ADIT on Non-Plant Timing Difference         36       - <td>I ine:</td> <td>7.511 200</td> <td>rotar</td> <td></td> <td></td> <td></td> <td></td> <td>Justification</td>	I ine:	7.511 200	rotar					Justification
911Q-DSIT DSIT Entry-Normalized   41,867   - 41,867   - Electric operations DSIT		671S Reg Asset - Pre Construction Costs	100.972	-		-		
34       960F-XS Excess ADFIT 283.1 - Unprotected       (786)       -       -       Related to Excess ADIT on Non-Plant Timing Difference         35       960F-XS Excess ADFIT 283.4 - Unprotected       786       786       -       -       Related to Excess ADIT on Non-Plant Timing Difference         36       -       -       -       -       -       -       -         37       Subtotal - Form 1 p276, line 9, column (b)       142,839       786       142,053       -       -       -         38       Wages & Salary Allocator       1.00				-		-		· ·
960F-XS Excess ADFIT 283.4 - Unprotected   786		·	·	-	,	-		·
36 37 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053			` '	786	-	-		
37 Subtotal - Form 1 p276, line 9, column (b) 142,839 786 142,053			-	100				3
38 Wages & Salary Allocator 1.00		Subtotal - Form 1 p276, line 9, column (b)	142.839	786	142.053	-	-	
		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	,556	30			1.00	
33 INCLEIGHT AHOUATO	39	Net Plant Allocator				1.00		
40 Total - sum cols. D-G 142,053			142,053		142,053	-	-	

Page 2 of 2

### 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

	A	В	С	D	F	G	Н
	ADIT-190	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
1	911Q-DSIT DSIT Entry-Normalized	34,418	-	34,418	1	1	Electric operations DSIT
2	960F-XS Excess ADFIT 282.4 - Protected	968	968	-	-	-	Gross-up on Excess ADIT related to Plant
3	960F-XS Excess ADFIT 283.4 - Unprotected	(319)	(319)	-	-	-	Gross-up on Excess ADIT related to Non-Plant
4		-					
5		-					
6		-					
7		-					
8		-					
9		-					
10		-					
11	Subtotal - Form 1 p234, line 8, column ( c )	35,067	649	34,418	-	-	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	34,418		34,418	-	-	

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

Page 2 of 2

### Instructions for Account 281/282/283:

Total - sum cols. D-G

1. ADIT items related only to Non-Electric Utility Operations and excluded items are directly assigned to Column C

232,331

- 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 DIT 1004	B	C Non-Electric	D	F	G	Н
Line:	ADIT- 281	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification
15		_	OI EXCIDENCE	related	related	related	Gustinoation
16		_					
17	Subtotal - Form 1 p273, line 8, column (k)	_	_	_	-	-	
18	Wages & Salary Allocator					1.00	
19	Net Plant Allocator				1.00	1.00	
20	Total - sum cols. D-G			-	-	-	
21	Wages & Salary Allocator					1.00	
22	Net Plant Allocator				1.00	1100	
23	Total - sum cols. D-G			-	-	-	
	Α	В	С	D	F	G	Н
	ADIT- 282	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
24	230A-Book vs Tax Plant Timing Differences	214,876	-	-	214,876		Related to Capitalized Plant Timing Differences
25	380J-Capitalized Interest for Tax	(11,064)	-	-	(11,064)	1	Related to Capitalized Software Timing Differences
26	712K Capitalized Software Cost-Book	24,618	-	-	24,618		Related to Capitalized Software Timing Differences
27	910K-Removal Costs	108	-	-	108		Related to Removal Cost Expenditures
28	960F-XS Excess ADFIT 282.1 - Protected	2,382	-	-	2,382	1	Related to Excess ADIT on Plant Timing Differences
29	280A-Flow-Thru Book Depreciation	24,265	24,265	-	-	-	Related to Flow-Back of AFUDC-Equity
30	310A AFUDC-Equity	30,765	30,765	-	-	-	Related to Capitalized Interest Timing Differences
31	960F-XS Excess ADFIT 282.4 - Protected	(2,382)	(2,382)	-	-	-	Related to Excess ADIT on Plant Timing Differences
32	Subtotal - Form 1 p275, line 2, column (k)	283,568	52,648	-	230,920	-	
33	Wages & Salary Allocator					1.00	
34	Net Plant Allocator				1.00		
35	Subtotal - sum cols. D-G	230,920		-	230,920	-	
36	Less: IRS Proration Adjustment - Att. 4C, line 19	133,254			133,254		
37	Total - sum cols. D-G	97,666	-	-	97,666		
							•
	A	В	С	D	F	G	Н
	ADIT- 283	Total	Non-Electric	Transmission	Plant	Labor	
Line:			or Excluded	Related	Related	Related	Justification
38	671S Reg Asset - Pre Construction Costs	69,220	-	69,220	-	•	Book Deferral Timing Differences
39	911Q-DSIT DSIT Entry-Normalized	163,897	-	163,897	-	•	Electric operations DSIT
40	960F-XS Excess ADFIT 283.1 - Unprotected	(786)	-	(786)	-	•	Related to Excess ADIT on Non-Plant Timing Differences
41	960F-XS Excess ADFIT 283.4 - Unprotected	786	786	-	-	-	Related to Excess ADIT on Non-Plant Timing Differences
42		-					
43		-					
44	Subtotal - Form 1 p277, line 9, column (k)	233,117	786	232,331	-	-	
45	Wages & Salary Allocator					1.00	
46	Net Plant Allocator				1.00		

232,331

### 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 32 Column B	214,876
2	Rate Year beginning balance	Attachment 4a, line 28 Column B	(33,382)
3	Annual forecasted change	Line 1 less Line 2	248,258
4	Monthly forecasted change	Line 3 / 12	20,688

	<b>(A)</b>		( <b>B</b> ) Proratable		(C)	<b>(D)</b>	<b>(E)</b>	<b>(F)</b>		<b>(G)</b>		<b>(H)</b>
			eferred Tax	D	eferred Tax		Number of Days					
<u>Line</u>	Future Test Period		Activity		Balance	Days in Month	Left in Period	Proration Amount	Р	rorated Item	Pro	ated Balance
5	Beginning Balance	\$	(33,382)	\$	(33,382)		365	100.00%	\$	(33,382)	\$	(33,382)
6	January (line 4)	\$	20,688	\$	(12,694)	31	335	91.78%	\$	18,988	\$	(14,394)
7	February	\$	20,688	\$	7,994	28	307	84.11%	\$	17,401	\$	3,007
8	March	\$	20,688	\$	28,683	31	276	75.62%	\$	15,644	\$	18,650
9	April	\$	20,688	\$	49,371	30	246	67.40%	\$	13,943	\$	32,593
10	May	\$	20,688	\$	70,059	31	215	58.90%	\$	12,186	\$	44,780
11	June	\$	20,688	\$	90,747	30	185	50.68%	\$	10,486	\$	55,265
12	July	\$	20,688	\$	111,435	31	154	42.19%	\$	8,729	\$	63,994
13	August	\$	20,688	\$	132,123	31	123	33.70%	\$	6,972	\$	70,966
14	September	\$	20,688	\$	152,812	30	93	25.48%	\$	5,271	\$	76,237
15	October	\$	20,688	\$	173,500	31	62	16.99%	\$	3,514	\$	79,751
16	November	\$	20,688	\$	194,188	30	32	8.77%	\$	1,814	\$	81,565
17	December	\$	20,688	\$	214,876	31	1	0.27%	\$	57	\$	81,622
18	Ending Balance			\$	214,876						\$	81,622
19	Proration Adjustment	- Lir	ne 18 Col. (H) le	ess (	Col. (C)						\$	(133,254)

## Attachment 5 Return on Rate Base Worksheet Transource Pennsylvania, LLC

### RETURN ON RATE BASE (R)

Long Term Debt Interest (117, sum of 62.c - 67.c) Note D  1 Long Term Debt Interest (117, sum of 62.c - 67.c) Note D  1 1,201,733  2 Preferred Dividends (118.29c) (positive number)  3 Proprietary Capital (Line 25 ( c))  4 Less Preferred Stock (line 25 (b))  5 Less Account 216.1 Undistributed Subsidiary Earnings (Line 25(d))  6 Less Account 219 Accum. Other Comprehensive Income (Line 25(e))
Proprietary Capital (Line 25 ( c))  Less Preferred Stock (line 25 (b))  Less Account 216.1 Undistributed Subsidiary Earnings (Line 25(d))  51,576,923  -
4 Less Preferred Stock (line 25 (b)) 5 Less Account 216.1 Undistributed Subsidiary Earnings (Line 25(d)) -
5 Less Account 216.1 Undistributed Subsidiary Earnings (Line 25(d))
6 Loss Account 210 Accum, Other Comprehensive Income (Line 25(a))
U LESS ACCOUNT 217 ACCOUNT. OTHER COMPTENENTS INCOME (LINE 25(E))
7 Common Stock (Sum of Lines 3 through 6) 51,576,923
Common stock (Sum of Emes 5 unough o) 51,570,725
\$ % Cost V
8 Long Term Debt Line 25 (a), Note A and Attachment H-29A Note Q 34,384,615 40.00% 3.49%
9 Preferred Stock Line 25 (b), Note B and Attachment H-29A Note Q - 0.00%
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40%
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40%
10       Common Stock       Line 7, Note C and Attachment H-29A Notes Q and T       51,576,923       60.00%       10.40%         11       Total       (Sum of Lines 8 through 10)       85,961,538
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40% 11 Total (Sum of Lines 8 through 10) 85,961,538 (a) (b) (c) (d) (e)
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40% 11 Total (Sum of Lines 8 through 10) 85,961,538  (a) (b) (c) (d) (e) Undistributed Sub Accum Other
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40% 11 Total (Sum of Lines 8 through 10) 85,961,538 (a) (b) (c) (d) (e)
10 Common Stock Line 7, Note C and Attachment H-29A Notes Q and T 51,576,923 60.00% 10.40% 11 Total (Sum of Lines 8 through 10) 85,961,538 60.00% 10.40%
10   Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%   10.40%     11   Total   (Sum of Lines 8 through 10)   (c)   (d)   (e)
10   Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%   10.40%     11   Total   (Sum of Lines 8 through 10)   (c)   (d)   (e)
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   51,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%   10.40%
Common Stock   Line 7, Note C and Attachment H-29A Notes Q and T   S1,576,923   60.00%

- 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
- C 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

2018
Projected Revenue Requirement (Note A)
\$2,369,431

Less

2018
Actual Net Revenue
Requirement (Note B)

\$1,520,837

Equals

Over (Under) Recovery \$848,594

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 Ro	efunds or Surcharges	Over (Under) Recovery Plus Interest	Monthly Interest Rate on Attachment 6a 0.408%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed					
An over or under collection wi	An over or under collection will be recovered prorata over year collected, held for one year and returned prorata over next year											
<b>Calculation of Interest</b>					Monthly							
January	Year 2018	70,716.15	0.408%	12	(3,465.09)		(74,181.24)					
February	Year 2018	70,716.15	0.408%	11	(3,176.33)		(73,892.48)					
March	Year 2018	70,716.15	0.408%	10	(2,887.58)		(73,603.73)					
April	Year 2018	70,716.15	0.408%	9	(2,598.82)		(73,314.97)					
May	Year 2018	70,716.15	0.408%	8	(2,310.06)		(73,026.21)					
June	Year 2018	70,716.15	0.408%	7	(2,021.30)		(72,737.45)					
July	Year 2018	70,716.15	0.408%	6	(1,732.55)		(72,448.70)					
August	Year 2018	70,716.15	0.408%	5	(1,443.79)		(72,159.94)					
September	Year 2018	70,716.15	0.408%	4	(1,155.03)		(71,871.18)					
October	Year 2018	70,716.15	0.408%	3	(866.27)		(71,582.42)					
November	Year 2018	70,716.15	0.408%	2	(577.52)		(71,293.67)					
December	Year 2018	70,716.15	0.408%	1.	(288.76)		(71,004.91)					
					(22,523.09)		(871,116.91)					
					Annual							
January through December	Year 2019	(871,116.91)	0.408%	12	(42,685)		(913,802)					
Over (Under) Paceyery Plus I	nterest Amortized and Recovered (	Over 12 Months			Monthly							
January	Year 2020	913,801.63	0.408%		(3,731.36)	78,186.39	(839,346.60)					
February	Year 2020	839,346.60	0.408%		(3,427.33)	78,186.39	(764,587.55)					
March	Year 2020	764,587.55	0.408%		(3,122.07)	78,186.39	(689,523.23)					
April	Year 2020	689,523.23	0.408%		(2,815.55)	78,186.39	(614,152.39)					
May	Year 2020	614,152.39	0.408%		(2,507.79)	78,186.39	(538,473.80)					
June	Year 2020	538,473.80	0.408%		(2,198.77)	78,186.39	(462,486.18)					
July	Year 2020	462,486.18	0.408%		(1,888.49)	78,186.39	(386,188.28)					
August	Year 2020	386,188.28	0.408%		(1,576.94)	78,186.39	(309,578.82)					
September	Year 2020	309,578.82	0.408%		(1,264.11)	78,186.39	(232,656.55)					
October	Year 2020	232,656.55	0.408%		(950.01)	78,186.39	(155,420.18)					
November	Year 2020	155,420.18	0.408%		(634.63)	78,186.39	(77,868.42)					
December	Year 2020	77,868.42	0.408%		(317.96)	78,186.39	0.00					
200000	2011 2020	, 7,000.12	3.10070	•	(24,435.01)	70,100.09	0.00					
					, ,,							
Total Amount of True-Up Adju	stment				\$	(938,237)						
Less Over (Under) Recovery					\$	848,594						
Total Interest					\$							

### 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	4.25%
2	Rate Year February	4.25%
3	Rate Year March	4.25%
4	Rate Year April	4.47%
5	Rate Year May	4.47%
6	Rate Year June	4.47%
7	Rate Year July	4.69%
8	Rate Year August	4.69%
9	Rate Year September	4.69%
10	Rate Year October	4.96%
11	Rate Year November	4.96%
12	Rate Year December	4.96%
13	Rate Year Plus 1 January	5.18%
14	Rate Year Plus 1 February	5.18%
15	Rate Year Plus 1 March	5.18%
16	Rate Year Plus 1 April	5.45%
17	Rate Year Plus 1 May	5.45%
18	Rate Year Plus 1 June	5.45%
19	Rate Year Plus 1 July	5.50%
20	Rate Year Plus 1 August	5.50%
21	Average rate	4.90%
22	Monthly Average rate	0.41%

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 December 31, 2015	(b) Year Ended December 31, 2015	$(\mathbf{c}) = (\mathbf{a} + \mathbf{b})$
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	232,504	-	
8	PBOP Expense Allowed for current year	Line 6 times line 7	(6,820)	-	(6,820)
9					
10	Actual PBOP in Company's O&M and A&G expense account	nts in Form No. 1			-

- A mounts 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.

Line No		
1	Interest rate on Construction Debt for Rate Year - Line 19 (g)	3.41%
2	Rate Year Debt Fee expense - Line 35 ( e )	0.09%
3	Total Cost of Debt	3.49%
	Interest Rate Information	
4	Commitment Fee Rate (%)	0.08%
5	Projected Average Drawn Rate for Rate Year (%) - Note A	3.06%

	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>(b)</b>	(c)	( <b>d</b> )	(e)	<b>(f)</b>	<b>(g)</b>
6	December Prior Year	75,000	18,500	56,500	3.53	47	
7	January	75,000	19,500	55,500	3.47	50	
8	February	75,000	24,000	51,000	3.19	61	
9	March	75,000	24,700	50,300	3.14	63	
10	April	75,000	25,700	49,300	3.08	65	
11	May	75,000	26,300	48,700	3.04	67	
12	June	75,000	27,100	47,900	2.99	69	
13	July	75,000	29,200	45,800	2.86	74	
14	August	75,000	38,700	36,300	2.27	99	
15	September	75,000	45,200	29,800	1.86	115	
16	October	75,000	50,700	24,300	1.52	129	
17	November	75,000	56,700	18,300	1.14	144	
18	December	75,000	60,700	14,300	0.89	155	
19	Average of the 13 Monthly Balances		34,385		33.00	1,139	3.41%

		(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				1	-	0	=
21	Arrangement Fee		25	2017	3	8	0	17
22	Upfront Fee		50	2017	3	17	0	33
23	Rating Agency Fee				1	-	0	-
24	Legal Fees				1	-	0	-
25	Other				1	-	0	-
26	Total Issuance Expense / Origination Fees		75			25	-	50
27								
28	Annual Fees							
29	Annual Rating Agency Fee			2017	N/A	-	N/A	N/A
30	Annual Bank Agency Fee		5	2017	N/A	5	N/A	N/A
31	Utilization Fee			2017	N/A	-	N/A	N/A
32	Other Fees				N/A	-	N/A	N/A
33	Total Fees		80			30	-	50
34	13 Month Average Debt balance - Line 19 (c)					34,385		
35	Rate Year cost of fees					0.09%		
36	Proxy interest rate. Used prior to issuance of construction financing ar	nd supported in initial section	on 205 filing.	2.98%				

### Notes

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	2.18%
Spread	0.88%
Total	3.06%

## 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	

		<b>D</b>
1	Long Term Interest and Fees (117, sum of 62.c through 67.c) - Note A	-
2	Line of Credit Fees (68.c)	-
3	Total Interest and Fees	-

#### 13 Month Average Long-Term Debt - Note B

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

	Month During Rate Year	Long Term Debt
	(a)	(d)
4	December Prior Year	-
5	January	-
6	February	-
7	March	-
8	April	-
9	May	-
10	June	-
11	July	-
12	August	-
13	September	-
14	October	-
15	November	-
16	December	-
17	Average of the 13 Monthly Balances	-

#### 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.

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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)

TRANSM	IISSION PLANT	Average Service Life (Years)	Iowa Curve	Salvage Factor	Cost of Removal Factor	Net Salvage Factor	Calculated Initial Annual Depreciation Rates (Note B)
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%
<u>GENERA</u>	AL PLANT						
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%
INTANG	IBLE PLANT						
303	Miscellaneous Intangible Plant	5					20.00%

A 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>b</b> ) Calendar Year
			Revenue	
Line			Impact of	Revenue
<u>No.</u>	Description	Source	Correction	Requirement
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				0.251
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		-

- 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)  Account 454 - Rent from Electric Property	Source	(a) Company Total	(b) Less: Non Transmission	(c ) = (a)- (b) Transmission- related
2	Joint pole attachments - telephone	Company books	Company Total	-	Telated
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		<u>-</u>	
	Account 456.0 Other Operating Revenues				
9	Other	Company books	-	-	-
10	Other	Company books	-	-	-
11	Account 456.0 Revenue Credit	Form 1 300.21.b	-	-	-
	Account 456.1 Revenues from Transmission of Electricity for Others				
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	6,147,836	-	6,147,836
16	Other	Company books	-	-	_
17	Total Per Books	Form 1 330.n	6,147,836	-	6,147,836
18	Less: revenues received pursuant to this Formula Rate	Company books	6,147,836		6,147,836
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

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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.