

Formula Rate - Non-Levelized

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

For the 12 months ended 12/31/2018

Line No.	(1)	(2) Source	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT, without incentives	(page 3, line 49)			\$ 2,369,431
	REVENUE CREDITS	(Note A)	Total	Allocator	
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)			\$ 2,369,431

Formula Rate - Non-Levelized

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

For the 12 months ended 12/31/2018

(1)	(2)	(3)	(4)	(5)
Line No.	Source	Company Total	Allocator	Transmission (Col 3 times Col 4)
	RATE BASE: (Note R)			
	GROSS PLANT IN SERVICE	Note C		
1	Production	205.46.g for end of year, records for other months	NA	-
2	Transmission	Attachment 4, Line 14, Col. (b)	TP	1.0000
3	Distribution	207.75.g for end of year, records for other months	NA	-
4	General & Intangible	Attachment 4, Line 14, Col. (c)	W/S	1.0000
5	TOTAL GROSS PLANT	(Sum of Lines 1 through 4)	GP=	1.0000
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)	W/S	1.0000
11	TOTAL ACCUM. DEPRECIATION	(Sum of Lines 7 through 10)		
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)		800
17	TOTAL NET PLANT	(Sum of line 5 - line 11)	NP=	1.0000
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)	NP	1.0000
21	Account No. 283 (enter negative)	Attachment 4, Line 28, Col. (f) (Note D)	NP	1.0000
22	Account No. 190	Attachment 4, Line 28, Col. (g) (Note D)	NP	1.0000
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)	DA	1.0000
26	Unamortized Regulatory Asset	Attachment 4, Line 28, Col. (b) (Note E)	DA	1.0000
27	Unamortized Abandoned Plant	Attachment 4, Line 28, Col. (c) (Note F)	DA	1.0000
28	TOTAL ADJUSTMENTS	(Sum of line 19 - line 27)		
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)		
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)		
35	RATE BASE	(Sum of line 17, 28, 29, 34)		

Formula Rate - Non-Levelized

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

For the 12 months ended 12/31/2018

Line No.	(1)	(2) Source	(3) Company Total	(4) Allocator	(5) Transmission (Col 3 times Col 4)
	O&M				
1	Transmission	321.112.b	261,716	TP 1.0000	261,716
2	Less Account 566 (Misc Trans Expense)	321.97.b	-	TP 1.0000	-
3	Less Account 565	321.96.b	-	TP 1.0000	-
4	A&G	323.197.b	250,000	W/S 1.0000	250,000
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)	(2,745)	W/S 1.0000	(2,745)
12	Plus Transmission Lease Payments in Acct 565	Note V	-	DA 1.0000	-
13	Account 566				
14	Amortization of Regulatory Asset	Note E	-	DA 1.0000	-
15	Misc. Transmission Expense (less amort. of regulatory asset)	321.97b less line 14	-	TP 1.0000	-
16	Total Account 566	(Sum of line 14 - line 15)" Ties to 321.97b	-		-
17	TOTAL O&M	(Sum of Lines 1, 4, 10, 11, 12, 16 less Lines 2, 3, 5-9)	508,972		508,972
	DEPRECIATION EXPENSE				
18	Transmission	Note C	-	TP 1.0000	-
19	General & Intangible	336.7.b&d	-	W/S 1.0000	-
20	Amortization of Abandoned Plant	336.10.b&d, 336.1.b&d	-	DA 1.0000	-
21	TOTAL DEPRECIATION	(Sum of line 19 - line 21)	-		-
	TAXES OTHER THAN INCOME TAXES (Note M)				
22	LABOR RELATED				
23	Payroll	263.i	-	W/S 1.0000	-
24	Highway and vehicle	263.i	-	W/S 1.0000	-
25	PLANT RELATED				
26	Property	263.i	-	GP 1.0000	-
27	Gross Receipts	263.i	-	NA zero	-
28	Other	263.i	-	GP 1.0000	-
29	Payments in lieu of taxes	263.i	-	GP 1.0000	-
30	TOTAL OTHER TAXES	(Sum of line 25 - line 31)	-		-
	INCOME TAXES (Note N)				
31	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p) } * (1-TEP)	Note N	41.49%		
32	CIT=(T/1-T) * (1-(WCLTD/R)) =	WCLTD = Page 4, Line 15, R = Page 4, Line 18	59.99%		
33	FIT & SIT & P				
34	1 / (1 - T) = (from line 34)	1 / (1 - T), T from Line 34	170.92%		
35	Amortized Investment Tax Credit	266.8f (enter negative)	-		
36	Excess / (Deficit) Deferred Income Taxes	Company Books and Records - Note O	-		
37	Tax Effect of Permanent Differences	Company Books and Records - Note O	-		
38	Income Tax Calculation	(Line 35 times Line 48)	697,582	NA	697,582
39	ITC adjustment	(Line 38 times Line 39)	-	NP 1.00000	-
40	Excess / (Deficit) Deferred Income Tax Adjustment	(Line 38 times Line 40)	-	NP 1.00000	-
41	Permanent Differences Tax Adjustment	(Line 38 times Line 41)	-	NP 1.00000	-
42	Total Income Taxes	(Sum of line 42 - line 45)	697,582		697,582
43	RETURN				
44	Rate Base times Return	(Page 2, line 35 times Page 4, Line 18)	1,162,877	NA	1,162,877
45	GROSS REVENUE REQUIREMENT	(Sum of line 17,22, 32, 46, 48)	2,369,431		2,369,431

Formula Rate - Non-Levelized

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

For the 12 months ended 12/31/2018

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

SUPPORTING CALCULATIONS AND NOTES

Line No.	(1)	(2)	(3)	(4)	(5)
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)		TP=	1.0000
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	-	-	-
10	Other	354.24,25,26.b	-	-	-
11	Total (W& S Allocator is 1 if lines 7-10 are zero)	(Sum of line 7 - line 10)	-	-	= <u>1.00000</u> WS
RETURN (R)					
12			\$	%	Cost
13					Weighted
14					
15	Long Term Debt	Attachment 5, (Notes Q & R)	-	40.0%	2.98%
16	Preferred Stock (112.3.c)	Attachment 5, (Notes Q & R)	-	0.0%	0.00%
17	Common Stock	Attachment 5, (Notes Q, R, and T)	4,641,877	60.0%	10.90%
18	Total	(Sum of line 15 - line 17)	4,641,877		7.73%
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
Transource Pennsylvania, LLC

For the 12 months ended 12/31/2018

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 (T/1-T).
- | | | | |
|------------------|-------|--------|---|
| Inputs Required: | FIT= | 35.00% | (Federal Income Tax Rate) |
| | SIT= | 9.99% | (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) |
- 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 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.
- 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.

Line No.	(1)	(2) Attachment H-29A Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant plus CWIP	Attach H-29A, p 2, line 2 col 5 plus line 25 col 5 (Note A)	14,877,654	
2	Net Transmission Plant plus CWIP and Abandoned Plant	Attach H-29A, p 2, line 14 col 5 plus line 25 & 27 col 5 (Note E)	14,877,654	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach H-29A, p 3, line 17 col. 5, less line 14 col. 5	508,972	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1 col 3)	3.42%	3.42%
GENERAL AND INTANGIBLE (G & I) DEPRECIATION EXPENSE				
5	Total G & I Depreciation Expense	Attach H-29A, p 3, line 20, col 5 (Note C)	-	
6	Annual Allocation Factor for G & I Depreciation Expense	(line 5 divided by line 1 col 3)	0.00%	0.00%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Attach H-29A, p 3, line 32 col 5	-	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.00%	0.00%
9	Less Revenue Credits	Attach H-29A, p 1, line 6 col 5	-	
10	Annual Allocation Factor for Revenue Credits	(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		3.42%
INCOME TAXES				
12	Total Income Taxes	Attach H-29A, p 3, line 46 col 5	697,582	
13	Annual Allocation Factor for Income Taxes	(line 12 divided by line 2 col 3)	4.69%	4.69%
RETURN				
14	Return on Rate Base	Attach H-29A, p 3, line 48 col 5	1,162,877	
15	Annual Allocation Factor for Return on Rate Base	(line 14 divided by line 2 col 3)	7.82%	7.82%
16	Annual Allocation Factor for Return	Sum of line 13 and 15	12.51%	12.51%

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
				(Note D)	(Page 1 line 11)	(Col. 3 * Col. 4)	(Note E)	(Page 1 line 16)	(Col. 6 * Col. 7)
1a	PJM Market Efficiency Schedule 12		b2743.5, b2743.1, b2752.5, b2752.1	14,877,654	0.034	508,972	\$ 14,877,654	0.125	1,860,459
1b				-	0.034	-	\$ -	0.125	-
2	Total Schedule 12			14,877,654		508,972	\$ 14,877,654		1,860,459
3a		Zonal		-	0.034	-	\$ -	0.125	-
3b				-	0.034	-	\$ -	0.125	-
4	Total Zonal			-		-	\$ -		-
5	Other								
6	Annual Totals			14,877,654		508,972	14,877,654		1,860,459

Notes

- 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.
- 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.
- 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.
- G Requires approval by FERC of incentive return applicable to the specified project(s).
- H The Competitive Concession is the reduction in revenue, if any, that the company agreed to, for instance, to be 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. A workpaper will be prepared supporting the amount of any applicable concession.
- 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/Amortization Expense (Note F)	Annual Revenue Requirement (Sum Col. 5, 8 & 9)	Incentive Return in Basis Points (Note G)	Incentive Return (Attachment 2, Line 28 Incentive Return * Col. 6)	Ceiling Rate (Sum Col. 10 & 12)	Competitive Concession (Note H)	Total Annual Revenue Requirement (Sum Col. 10 & 12 Less Col. 13)	True-Up Adjustment (Note I)	Net Revenue Requirement (Sum Col. 14 & 15)
1a	-	2,369,431	-	-	2,369,431	-	2,369,431	-	2,369,431
1b	-	-	-	-	-	-	-	-	-
2	-	2,369,431	-	-	2,369,431	-	2,369,431	-	2,369,431
3a	-	-	-	-	-	-	-	-	-
3b	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	2,369,431	-	-	2,369,431	-	2,369,431	-	2,369,431

Notes

- 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.
- 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.
- 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.
- G Requires approval by FERC of incentive return applicable to the specified project(s).
- H The Competitive Concession is the reduction in revenue, if any, that the company agreed to, for instance, to be 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. A workpaper will be prepared supporting the amount of any
- 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			15,039,793	
2	100 Basis Point Incentive Return					
				<u>\$</u>		
		<u>Source</u>	<u>\$</u>	<u>%</u>	<u>Cost</u>	<u>Weighted</u>
3	Long Term Debt	(Notes Q & R from Attachment H-29A)	-	40.0%	2.98%	1.19%
4	Preferred Stock	(Notes Q & R from Attachment H-29A)	-	0.0%	0.00%	0.00%
		Cost = Attachment H-29A, page 4, Line 17, Cost plus 100 bp	4,641,877	60.0%	11.90%	7.14%
5	Common Stock	(Notes Q, R, & T from Attachment H-29A)	4,641,877		<u>8.33%</u>	
6	Total (sum lines 3-5)					
7	100 Basis Point Incentive Return multiplied by Rate Base (line 1 * line 6)					1,253,116
8	INCOME TAXES					
9	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} = * (1-TEP)$		0.4149			
10	CIT=(T/1-T) * (1-(WCLTD/R)) =		0.6077			
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)		1.7092			
14	Amortized Investment Tax Credit (266.8f) (enter negative)	Attachment H-29A, Page 3, Line 39	-			
15	Excess Deferred Income Taxes (enter negative)	Attachment H-29A, Page 3, Line 40	-			
16	Tax Effect of Permanent Differences (Note B)	Attachment H-29A, Page 3, Line 41	-			
17	Income Tax Calculation = line 7 * line 10				761,581	
18	ITC adjustment (line 13 * line 14)		-	NP	1.00	-
19	Excess Deferred Income Tax Adjustment (line 13 * line 15)		-	NP	1.00	-
20	Permanent Differences Tax Adjustment (line 13 * 16)		-	NP	1.00	-
21	Total Income Taxes (sum lines 17 - 20)				<u>761,581</u>	761,581
22	Return and Income Taxes with 100 basis point increase in ROE	(line 7 + line 21)				2,014,696
23	Return (Attach. H-29A, page 3 line 48 col 5)					1,162,877
24	Income Tax (Attach. H-29A, page 3 line 46 col 5)					<u>697,582</u>
25	Return and Income Taxes without 100 basis point increase in ROE	(line 23 + line 24)				1,860,459
26	Incremental Return and Income Taxes for 100 basis point increase in ROE	(line 22 - line 25)				154,237.15
27	Rate Base (line 1)					15,039,793
28	Incremental Return and Income Taxes for 100 basis point increase in ROE divided by Rate Base					0.0103

Notes:

- 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.

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 Requirement Calculation		True-Up Year Revenue Received ¹	Actual True-Up Year Revenue Req.	Annual True-Up Calculation			
1	True-Up Year					\$ -					
2	0										
	A		B	C	D	E	F	G	H	I	J
	Project Name	PJM Category	Project # Or Other Identifier	Net Revenue Requirement ²	% of Total Revenue Requirement	Allocation of Revenue Received (E, Line 2) x (D)	True-Up Net Revenue Requirement ³	Net Under/(Over) Collection (F)-(E)	True-Up Interest Income (Expense) ⁴	Prior Period Adjustment with Interest ⁵	Total True-Up (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.	-	0.0%	-	-	-	-	-	-
4b				-	0.0%	-	-	-	-	-	-
5	Total Schedule 12			-		-	-	-	-	-	-
6a		Zonal		-	0.0%	-	-	-	-	-	-
6b				-	0.0%	-	-	-	-	-	-
7	Total Zonal			-		-	-	-	-	-	-
8	Other										
9	Total Annual Revenue Requirements			-	0.0%	-	-	-	-	-	-
10							Total Interest on True-Up - Attachment 6 -				

Prior Period Adjustment

	A	B
	Prior Period Adjustment (Note 5)	Adjustment Amount
	Source	
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.

Line No	Month (a)	Gross Plant In Service		CWIP	LHFFU	Working Capital		Accumulated Depreciation	
		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		1,000	4,570,850					200
2	January		1,000	5,003,930					200
3	February		1,000	7,390,753					200
4	March		1,000	9,829,184					200
5	April		1,000	12,267,820					200
6	May		1,000	14,706,452					200
7	June		1,000	17,145,095					200
8	July		1,000	19,331,793					200
9	August		1,000	19,765,428					200
10	September		1,000	20,199,070					200
11	October		1,000	20,632,720					200
12	November		1,000	21,066,374					200
13	December		1,000	21,500,029					200
14	Average of the 13 Monthly Balances	-	1,000	14,877,654	-	-	-	-	200

Adjustments to Rate Base

Line No	Month (a)	Unamortized Regulatory Asset (b)	Unamortized Abandoned 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)
		Note C	Note D	Att. 4a & Att. 4b	Att. 4a & Att. 4b	Att. 4a & Att. 4b	Att. 4a & Att. 4b	Consistent with 266.8.b & 267.8.h
15	December Prior Year			-	(10,836)	440,201	438,379	
16	January							
17	February							
18	March							
19	April							
20	May							
21	June							
22	July							
23	August							
24	September							
25	October							
26	November							
27	December			-	(188,244)	440,201	438,379	
28	Average of the 13 Monthly Balances	-	-	-	(99,540)	440,201	438,379	-

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

	Total CWIP (a)	Less: CWIP Excluded from Rate Base (b)	Less: AFUDC Excluded from Rate Base (c)	CWIP Allowed in Rate Base (d) = (a) - (b) - (c)
	216.b for end of year, records for other months	Company records	Company records	
29	December Prior Year	4,570,850		4,570,850
30	January	5,003,930		5,003,930
31	February	7,390,753		7,390,753
32	March	9,829,184		9,829,184
33	April	12,267,820		12,267,820
34	May	14,706,452		14,706,452
35	June	17,145,095		17,145,095
36	July	19,331,793		19,331,793
37	August	19,765,428		19,765,428
38	September	20,199,070		20,199,070
39	October	20,632,720		20,632,720
40	November	21,066,374		21,066,374
41	December	21,500,029		21,500,029
		14,877,654	-	14,877,654

Unfunded Reserves (Notes A and F through H)

	(a)	(b)	(b.i)	(b.ii)	(c)	(d)	(e)	(f)	(g)	(h)
			FERC balance sheet account where reserves are recorded	FERC income statement account where reserves are recorded	Amount	Enter 1 if NOT in a trust or reserved account, enter zero (0) if included in a trust or reserved account	Enter 1 if the accrual account is included in the formula rate, enter (0) if the accrual account is NOT included in the formula rate	Enter the percentage paid for by customers less the percent associated with an offsetting liability on the balance sheet (Note H)	Allocation (Plant or Labor Allocator)	Amount Allocated, col. c x col. d x col. e x col. f x col. g
42a	List of all reserves:									
42b	Reserve 1		-	-	-	-	-	-	-	-
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 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.
- 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(l)-1(h)(6)(ii) of the IRS regulations. Rate Projections will use Attachment 4c to calculate the proration adjustment.
- F 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

For the 12 months ended 12/31/2018
Page 1 of 2

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

Line:	A	B	C	D	F	G	H
ADIT-190	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
1	612Y Accrued Companywide Incentive Plan	3,641				3,641	Book Accrual Timing Differences
2	911Q-DSIT DSIT Entry-Normalized	31,778		31,778			Electric operations DSIT
3	960Z - NOL-Deferred Tax Asset Reclass	313,483		313,483			Federal taxable loss
4	014C-PA - NOL-State C/F-Deferred Tax Asset	89,477		89,477			Pennsylvania taxable loss
5		-					
6		-					
7		-					
8		-					
9		-					
10		-					
11	Subtotal - Form 1 p234, line 8, column (b)	438,379	-	434,738	-	3,641	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	438,379		434,738	-	3,641	

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

Line:	A	B	C	D	F	G	H
ADIT- 281	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
15	-						
16	-						
17	Subtotal - Form 1 p272, line 8, column (b)	-	-	-	-	-	
18	Wages & Salary Allocator					1.00	
19	Net Plant Allocator				1.00		
20	Total - sum cols. D-G	-		-	-	-	

Line:	A	B	C	D	F	G	H
ADIT- 282	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
21	230A ACRS Benefit Normalized	(10,836)			(10,836)		Related to Capitalized Interest Timing Differences
22		-					
23		-					
24		-					
25		-					
26	Subtotal - Form 1 p274, line 2, column (b)	(10,836)	-	-	(10,836)	-	
27	Wages & Salary Allocator					1.00	
28	Net Plant Allocator				1.00		
29	Total - sum cols. D-G	(10,836)		-	(10,836)	-	

Line:	A	B	C	D	F	G	H
ADIT- 283	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
30	014C-PA - NOL-State C/F-Deferred Tax Asset	31,317		31,317			DFIT on Pennsylvania State NOL carryforward in 190
31	671S Reg Asset - Pre Construction Costs	318,091		318,091			Book Deferral Timing Differences
32	911Q-DSIT DSIT Entry-Normalized	90,793		90,793			Electric operations DSIT
33		-					
34		-					
35	Subtotal - Form 1 p276, line 9, column (b)	440,201	-	440,201	-	-	
36	Wages & Salary Allocator					1.00	
37	Net Plant Allocator				1.00		
38	Total - sum cols. D-G	440,201		440,201	-	-	

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

For the 12 months ended 12/31/2018
Page 1 of 2

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

Line:	A	B	C	D	F	G	H
ADIT-190	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
1	612Y Accrued Companywide Incentive Plan	3,641				3,641	Book Accrual Timing Differences
2	911Q-DSIT DSIT Entry-Normalized	31,778		31,778			Electric operations DSIT
3	960Z - NOL-Deferred Tax Asset Reclass	313,483		313,483			Federal taxable loss
4	014C-PA - NOL-State C/F-Deferred Tax Asset	89,477		89,477			Pennsylvania taxable loss
5		-					
6		-					
7		-					
8		-					
9		-					
10		-					
11	Subtotal - Form 1 p234, line 8, column (c)	438,379	-	434,738	-	3,641	
12	Wages & Salary Allocator					1.00	
13	Net Plant Allocator				1.00		
14	Total - sum cols. D-G	438,379		434,738	-	3,641	

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

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

Line:	A	B	C	D	F	G	H
ADIT- 281	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
15	-						
16	-						
17	-	-	-	-	-		
18					1.00		
19				1.00			
20	-	-	-	-	-		
21					1.00		
22				1.00			
23	-	-	-	-	-		

Line:	A	B	C	D	F	G	H
ADIT- 282	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
24	(393,806)			(393,806)			Related to Capitalized Interest Timing Differences
25	-						
26	-						
27	-						
28	-						
29	-						
30	(393,806)	-	-	(393,806)	-		
31					1.00		
32				1.00			
33	(393,806)	-	-	(393,806)	-		
34	(205,562)			(205,562)			
35	(188,244)	-	-	(188,244)	-		

Line:	A	B	C	D	F	G	H
ADIT- 283	Total	Non-Electric or Excluded	Transmission Related	Plant Related	Labor Related	Justification	
36	31,317			31,317			DFIT on Pennsylvania State NOL carryforward in 190
37	318,091			318,091			Book Deferral Timing Differences
38	90,793			90,793			Electric operations DSIT
39	-						
40	-						
41	-						
42	440,201	-	-	440,201	-	-	
43					1.00		
44				1.00			
45	440,201	-	-	440,201	-	-	

Transource Pennsylvania, LLC

For the 12 months ended 12/31/2018

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 Section 1.167(l)-1(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 Prorable balances

		Source	
1	Rate Year ending balance	Attachment 4b, line 30 Column B	(393,806)
2	Rate Year beginning balance	Attachment 4a, line 26 Column B	(10,836)
3	Annual forecasted change	Line 1 less Line 2	-382,970
4	Monthly forecasted change	Line 3 / 12	-31,914

Line	(A) Future Test Period	(B) Prorable Deferred Tax Activity	(C) Deferred Tax Balance	(D) Days in Month	(E) Number of Days Left in Period	(F) Proration Amount	(G) Prorated Item	(H) Prorated Balance	
5	Beginning Balance	\$ (10,836)	\$ (10,836)		365	100.00%	\$ (10,836)	\$ (10,836)	
6	January (line 4)	\$ (31,914)	\$ (42,750)	31	335	91.78%	\$ (29,291)	\$ (40,127)	
7	February	\$ (31,914)	\$ (74,664)	28	307	84.11%	\$ (26,843)	\$ (66,970)	
8	March	\$ (31,914)	\$ (106,579)	31	276	75.62%	\$ (24,132)	\$ (91,102)	
9	April	\$ (31,914)	\$ (138,493)	30	246	67.40%	\$ (21,509)	\$ (112,612)	
10	May	\$ (31,914)	\$ (170,407)	31	215	58.90%	\$ (18,799)	\$ (131,410)	
11	June	\$ (31,914)	\$ (202,321)	30	185	50.68%	\$ (16,176)	\$ (147,586)	
12	July	\$ (31,914)	\$ (234,235)	31	154	42.19%	\$ (13,465)	\$ (161,051)	
13	August	\$ (31,914)	\$ (266,149)	31	123	33.70%	\$ (10,755)	\$ (171,806)	
14	September	\$ (31,914)	\$ (298,064)	30	93	25.48%	\$ (8,132)	\$ (179,937)	
15	October	\$ (31,914)	\$ (329,978)	31	62	16.99%	\$ (5,421)	\$ (185,358)	
16	November	\$ (31,914)	\$ (361,892)	30	32	8.77%	\$ (2,798)	\$ (188,156)	
17	December	\$ (31,914)	\$ (393,806)	31	1	0.27%	\$ (87)	\$ (188,244)	
18	Ending Balance		\$ (393,806)					\$ (188,244)	
19	Proration Adjustment - Line 18 Col. (H) less Col. (C)							\$	205,562

Attachment 5
Return on Rate Base Worksheet
Transource Pennsylvania, LLC

RETURN ON RATE BASE (R)

			\$		
1	Long Term Debt Interest (117, sum of 62.c - 67.c) Note D		-		
2	Preferred Dividends (118.29c) (positive number)		-		
3	Proprietary Capital (Line 25 (c))		4,641,877		
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))		-		
7	Common Stock (Sum of Lines 3 through 6)		4,641,877		
			\$	%	Cost
8	Long Term Debt	Line 25 (a), Note A and Attachment H-29A Note Q	-	40.00%	2.98%
9	Preferred Stock	Line 25 (b), Note B and Attachment H-29A Note Q	-	0.00%	0.00%
10	Common Stock	Line 7, Note C and Attachment H-29A Notes Q and T	4,641,877	60.00%	10.90%
11	Total	(Sum of Lines 8 through 10)	4,641,877		7.73% =R

		(a)	(b)	(c)	(d)	(e)
Monthly Balances for Capital Structure		Long Term Debt (112.18-21.c)	Preferred Stock (112.3.c)	Proprietary Capital (112.16.c)	Undistributed Sub Earnings 216.1 (112.12.c)	Accum Other Comp. Income 219 (112.15.c)
12	December (prior year)			2,000,000		
13	January			2,300,000		
14	February			2,769,030		
15	March			2,856,366		
16	April			2,941,808		
17	May			5,653,114		
18	June			5,735,809		
19	July			5,816,140		
20	August			5,895,725		
21	September			5,975,335		
22	October			6,054,430		
23	November			6,133,683		
24	December			6,212,959		
25	13 Month Average	-	-	4,641,877	-	-

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
- 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)		2018 Actual Net Revenue Requirement (Note B)		Over (Under) Recovery
\$0	Less	\$0	Equals	\$0

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 Refunds or Surcharges	Over (Under) Recovery Plus Interest	Monthly Interest Rate on Attachment 6a	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
--	--	---	--------	---------------------	--------------	-------------------------

0.271%

An over or under collection will be recovered prorata over year collected, held for one year and returned prorata over next year

<u>Calculation of Interest</u>					Monthly	
January	Year 2018	-	0.271%	12	-	-
February	Year 2018	-	0.271%	11	-	-
March	Year 2018	-	0.271%	10	-	-
April	Year 2018	-	0.271%	9	-	-
May	Year 2018	-	0.271%	8	-	-
June	Year 2018	-	0.271%	7	-	-
July	Year 2018	-	0.271%	6	-	-
August	Year 2018	-	0.271%	5	-	-
September	Year 2018	-	0.271%	4	-	-
October	Year 2018	-	0.271%	3	-	-
November	Year 2018	-	0.271%	2	-	-
December	Year 2018	-	0.271%	1	-	-
					-	-
					Annual	
January through December	Year 2019	-	0.271%	12	-	-
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly	
January	Year 2020	-	0.271%		-	-
February	Year 2020	-	0.271%		-	-
March	Year 2020	-	0.271%		-	-
April	Year 2020	-	0.271%		-	-
May	Year 2020	-	0.271%		-	-
June	Year 2020	-	0.271%		-	-
July	Year 2020	-	0.271%		-	-
August	Year 2020	-	0.271%		-	-
September	Year 2020	-	0.271%		-	-
October	Year 2020	-	0.271%		-	-
November	Year 2020	-	0.271%		-	-
December	Year 2020	-	0.271%		-	-
					-	-

Total Amount of True-Up Adjustment			\$	-
Less Over (Under) Recovery			\$	-
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	3.25%
2	Rate Year February	3.25%
3	Rate Year March	3.25%
4	Rate Year April	3.25%
5	Rate Year May	3.25%
6	Rate Year June	3.25%
7	Rate Year July	3.25%
8	Rate Year August	3.25%
9	Rate Year September	3.25%
10	Rate Year October	3.25%
11	Rate Year November	3.25%
12	Rate Year December	3.25%
13	Rate Year Plus 1 January	3.25%
14	Rate Year Plus 1 February	3.25%
15	Rate Year Plus 1 March	3.25%
16	Rate Year Plus 1 April	3.25%
17	Rate Year Plus 1 May	3.25%
18	Rate Year Plus 1 June	3.25%
19	Rate Year Plus 1 July	3.25%
20	Rate Year Plus 1 August	3.25%
21	Average rate	3.25%
22	Monthly Average rate	0.27%

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

Line No.			AEP (a) Year Ended December 31, 2015	KCP&L (b) Year Ended December 31, 2015	Total (c) = (a+b)
1					
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	93,567	-	
8	PBOP Expense Allowed for current year	Line 6 times line 7	(2,745)	-	(2,745)
9					
10	Actual PBOP in Company's O&M and A&G expense accounts 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.
- B 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)	3.11%
2	<u>Rate Year Debt Fee expense - Line 35 (e)</u>	<u>0.38%</u>
3	Total Cost of Debt	3.49%
Interest Rate Information		
4	Commitment Fee Rate (%)	0.35%
5	Projected Average Drawn Rate for Rate Year (%) - Note A	2.05%

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 (%)
6	December Prior Year	100,000	-	100,000	29.17	-	
7	January	100,000	5,000	95,000	27.71	9	
8	February	100,000	10,000	90,000	26.25	17	
9	March	100,000	15,000	85,000	24.79	26	
10	April	100,000	20,000	80,000	23.33	34	
11	May	100,000	25,000	75,000	21.88	43	
12	June	100,000	30,000	70,000	20.42	51	
13	July	100,000	35,000	65,000	18.96	60	
14	August	100,000	40,000	60,000	17.50	68	
15	September	100,000	45,000	55,000	16.04	77	
16	October	100,000	50,000	50,000	14.58	85	
17	November	100,000	55,000	45,000	13.13	94	
18	December	100,000	60,000	40,000	11.67	103	
19	Average of the 13 Monthly Balances		30,000		265.42	666	3.11%

Example Fee Calculation - All amounts represent actual rate year expenses.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Origination Fees							
20	Underwriting Discount	20	2017	2	10	-	10
21	Arrangement Fee	0.15%	20	2017	2	10	10
22	Upfront Fee	0.35%	50	2017	2	25	25
23	Rating Agency Fee		20	2017	2	10	10
24	Legal Fees		20	2017	2	10	10
25	Other		0		2	0	0
26	Total Issuance Expense / Origination Fees	130			65	-	65
27							
28	Annual Fees						
29	Annual Rating Agency Fee	0.10%	20	2017	N/A	20	N/A
30	Annual Bank Agency Fee		20	2017	N/A	20	N/A
31	Utilization Fee	0.10%	10	2017	N/A	10	N/A
32	Other Fees				N/A	0	N/A
33	Total Fees	180			115	-	65
34	13 Month Average Debt balance - Line 19 (c)				30,000		
35	Rate Year cost of fees				0.38%		
36	Proxy interest rate. Used prior to issuance of construction financing and supported in initial section 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	0.30%
Spread	1.75%
Total	2.05%

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.

		\$
1	Long Term Interest and Fees (117, sum of 62.c through 67.c) - Note A	800,000
2	Line of Credit Fees (68.c)	500,000
3	Total Interest and Fees	1,300,000

13 Month Average Long-Term Debt - Note B

	Month During Rate Year (a)		Long Term Debt (d)
4	December Prior Year	-	-
5	January	-	-
6	February	-	-
7	March	5,000,000	5,000,000
8	April	11,000,000	11,000,000
9	May	17,000,000	17,000,000
10	June	23,000,000	23,000,000
11	July	29,000,000	29,000,000
12	August	35,000,000	35,000,000
13	September	41,000,000	41,000,000
14	October	47,000,000	47,000,000
15	November	53,000,000	53,000,000
16	December	59,000,000	59,000,000
17	Average of the 13 Monthly Balances	24,615,385	24,615,385

18	True-Up Cost of Debt (Line 3 / Line 17)		5.28%
----	---	--	-------

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.

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)
<u>TRANSMISSION PLANT</u>							
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>GENERAL PLANT</u>							
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%
<u>INTANGIBLE PLANT</u>							
303	Miscellaneous Intangible Plant	5					20.00%

Notes

- 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

Line No.	<u>Description</u>	<u>Source</u>	(a) <u>Revenue Impact of Correction</u>	(b) Calendar Year <u>Revenue Requirement</u>
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

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

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.