

May 16, 2022

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

**Re: Trans-Allegheny Interstate Line Company
Informational Filing
2022 Formula Rate Annual Update
Docket No. ER07-562-000**

Dear Secretary Bose:

Pursuant to the Commission's order dated May 31, 2007 in Docket No. ER07-562-000¹ and the uncontested settlement approved by the Commission in an order dated July 21, 2008 in Docket No. ER07-562-004,² Trans-Allegheny Interstate Line Company ("TrAILCo") hereby submits for informational purposes its 2022 Annual Update to recalculate its annual transmission revenue requirements ("Annual Update").

The Annual Update includes (i) a reconciliation of the annual transmission revenue requirements for the 2021 Rate Year³ (Attachment 1), (ii) the annual transmission revenue requirements for the 2022 Rate Year to become effective on June 1, 2022 (Attachment 2), and (iii) a detailed accounting of transfers between construction work in progress ("CWIP") and Plant in Service as required by the May 31 Order (Attachment 3).

¹ *Trans-Allegheny Interstate Line Co.*, 119 FERC ¶ 61,219, at P 59 (2007) ("May 31 Order").

² *Trans-Allegheny Interstate Line Co.*, 124 FERC ¶ 61,075 (2008).

³ The "Rate Year" begins on June 1 of a given calendar year and continues through May 31 of the subsequent calendar year.

I. Background

TrAILCo's formula rate implementation protocols ("Protocols") on file with the Commission specify in relevant part that:

On or before May 15 of each year, TrAILCo shall recalculate its Annual Transmission Revenue Requirements, producing the "Annual Update" for the upcoming Rate Year, and post such Annual Update of PJM's Internet website via link to the Transmission Services page or a similar successor page. The Annual Update, which shall show separately the transmission revenue requirement for each TrAILCo facility listed in Schedule 12 – Appendix as subject to these procedures, shall also be provided to FERC in an informational filing.

If the date for making the Annual Update posting/filing should fall on a weekend or a holiday recognized by the FERC, then the posting/filing shall be due on the next business day.⁴

II. Description of Filing

As required under the Protocols, TrAILCo is submitting the Annual Update with the Commission as an informational filing. Concurrently, TrAILCo also will submit the Annual Update to PJM for posting on its Internet website via link to the Formula Rates page that includes a recalculation of TrAILCo's annual transmission revenue requirements.⁵

The Annual Update contains no expenses or costs that have been alleged or judged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs that are demonstrably the product of discriminatory employment practices, as defined in 18 C.F.R. § 35.13(b)(7). In addition, please note that TrAILCo has made no material changes in its accounting policies and practices from those in effect during the previous Rate Year and upon which TrAILCo's current revenue requirements are based.

As specified in Section 1 of the Protocols, this filing is informational only. Any challenges to the implementation of the TrAILCo formula rate must be made through the challenge procedures described in Sections 3 and 4 of the Protocols or in a separate complaint proceeding, and not in response to this Informational Filing.

⁴ PJM Interconnection, L.L.C., Open Access Transmission Tariff, Attachment H-18B, Sections 1(b) and 1(c).

⁵ See <https://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx>.

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III. Communications

Communications with respect to the Information Filing should be directed to the following individuals whose names should be entered on the official service list for this docket:⁶

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⁶ TrAILCo requests waiver of 18 C.F.R. § 385.203(b)(3) to the extent necessary to include more than two names on the official service list.

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IV. Conclusion

Please contact the undersigned with any questions regarding this matter.

Respectfully submitted,

P. Nikhil Rao	<u>/s/ Bradley R. Miliauskas</u>
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*Attorneys for
Trans-Allegheny Interstate Line Company*

Enclosures

Attachment 1

Reconciliation of 2021 Annual Transmission Revenue Requirements

May 16, 2022

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company				TrAILCo
Formula Rate -- Appendix A		Notes	FERC Form 1 Page # or Instruction	2021 Reconciliation
Shaded cells are input cells				
Allocators				
Wages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21.b	0
2	Total Wages Expense		p354.28.b	0
3	Less A&G Wages Expense		p354.27.b	0
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	0
5	Wages & Salary Allocator		(Line 1 / Line 4), if line 2 = 0, then 100%	100.0000%
Plant Allocation Factors				
6	Electric Plant in Service	(Note B)	Attachment 5	2,224,457,205
7	Total Plant In Service		(Line 6)	2,224,457,205
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	400,997,785
9	Total Accumulated Depreciation		(Line 8)	400,997,785
10	Net Plant		(Line 7 - Line 9)	1,823,459,420
11	Transmission Gross Plant		(Line 15 + Line 21)	2,224,457,205
12	Gross Plant Allocator		(Line 11 / Line 7, if Line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant		(Line 11 - Line 29)	1,823,459,420
14	Net Plant Allocator		(Line 13 / Line 10, if line 10=0, enter 100%)	100.0000%
Plant Calculations				
Transmission Plant				
15	Transmission Plant In Service	(Note B)	Attachment 5	2,098,263,398
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B)	Attachment 6	0
17	Total Transmission Plant		(Line 15 + Line 16)	2,098,263,398
18	General & Intangible		Attachment 5	126,193,807
19	Total General & Intangible		(Line 18)	126,193,807
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant		(Line 19 * Line 20)	126,193,807
22	Transmission Related Plant		(Line 17 + Line 21)	2,224,457,205
Accumulated Depreciation				
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	360,769,473
24	Accumulated General Depreciation		Attachment 5	16,264,990
25	Accumulated Intangible Amortization		Attachment 5	23,963,322
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	40,228,312
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation		(Line 26 * Line 27)	40,228,312
29	Total Transmission Related Accumulated Depreciation		(Line 23 + Line 28)	400,997,785
30	Total Transmission Related Net Property, Plant & Equipment		(Line 22 - Line 29)	1,823,459,420

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
31	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1	-442,911,835
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)	-442,911,835
33	Transmission Related CWIP (Current Year 13 Month weighted average balances)	(Note B)	p216.b.43 as shown on Attachment 6	0
34	Transmission Related Land Held for Future Use	(Note C)	Attachment 5	0
Transmission Related Pre-Commercial Costs Capitalized				
35	Unamortized Capitalized Pre-Commercial Costs		Attachment 5	0
Prepayments				
36	Transmission Related Prepayments	(Note A)	Attachment 5	374,267
Materials and Supplies				
37	Undistributed Stores Expense	(Note A)	Attachment 5	0
38	Wage & Salary Allocator		(Line 5)	100.0000%
39	Total Undistributed Stores Expense Allocated to Transmission		(Line 37 * Line 38)	0
40	Transmission Materials & Supplies		Attachment 5	0
41	Transmission Related Materials & Supplies		(Line 39 + Line 40)	0
Cash Working Capital				
42	Operation & Maintenance Expense		(Line 74)	6,625,102
43	1/8th Rule		1/8	12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)	828,138
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	-441,709,430
46	Rate Base		(Line 30 + Line 45)	1,381,749,990

O&M

Transmission O&M				
47	Transmission O&M		p321.112.b	9,572,853
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	1,354,935
49	Less Account 565		p321.96.b	0
50	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note M)	PJM Data	0
51	Plus Property Under Capital Leases		p200.4.c	0
52	Transmission O&M		(Lines 47 - 48 - 49 + 50 + 51)	8,217,918
A&G Expenses				
53	Total A&G		p323.197.b	-2,947,751
54	Less Property Insurance Account 924		p323.185.b	156,235
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	0
56	Less General Advertising Exp Account 930.1		p323.191.b	0
57	Less PBOP Adjustment		Attachment 5	0
58	Less EPRI Dues	(Note D)	p352 & 353	0
59	A&G Expenses		(Line 53) - Sum (Lines 54 to 58)	-3,103,986
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)	-3,103,986
Directly Assigned A&G				
62	Regulatory Commission Exp Account 928	(Note G)	Attachment 5	0
63	General Advertising Exp Account 930.1	(Note J)	Attachment 5	0
64	Subtotal - Accounts 928 and 930.1 - Transmission Related		(Line 62 + Line 63)	0
65	Property Insurance Account 924		p323.185.b	156,235
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	156,235
68	Net Plant Allocator		(Line 14)	100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)	156,235
Account 566 Miscellaneous Transmission Expense				
70	Amortization Expense on Pre-Commercial Cost	Account 566	Attachment 5	0
71	Pre-Commercial Expense	Account 566	Attachment 5	0
72	Miscellaneous Transmission Expense	Account 566	Attachment 5	1,354,935
73	Total Account 566		Sum (Lines 70 to 72)	1,354,935
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)	6,625,102

Depreciation & Amortization Expense				
Depreciation Expense				
75	Transmission Depreciation Expense		Attachment 5	44,556,469
76	General Depreciation		Attachment 5	2,908,389
77	Intangible Amortization	(Note A)	Attachment 5	4,570,464
78	Total		(Line 76 + Line 77)	7,478,853
79	Wage & Salary Allocator		(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization		(Line 78 * Line 79)	7,478,853
81	Total Transmission Depreciation & Amortization		(Lines 75 + 80)	52,035,323

Taxes Other than Income				
82	Transmission Related Taxes Other than Income		Attachment 2	14,618,004
83	Total Taxes Other than Income		(Line 82)	14,618,004

Return / Capitalization Calculations				
84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	941,613,905
86	Less Accumulated Other Comprehensive Income Account 219		p112.15.c	0
87	Less Preferred Stock		(Line 95)	0
88	Less Account 216.1		p112.12.c	0
89	Common Stock		(Line 85 - 86 - 87 - 88)	941,613,905
Capitalization				
90	Long Term Debt	(Note N)		624,863,549
91	Less Unamortized Loss on Reacquired Debt		p111.81.c	0
92	Plus Unamortized Gain on Reacquired Debt		p113.61.c	0
93	Less ADIT associated with Gain or Loss		Attachment 1	0
94	Total Long Term Debt		(Line 90 - 91 + 92 - 93)	624,863,549
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	941,613,905
97	Total Capitalization		(Sum Lines 94 to 96)	1,566,477,454
98	Debt %	Total Long Term Debt	(Note N) (Line 94 / Line 97)	39.8897%
99	Preferred %	Preferred Stock	(Note N) (Line 95 / Line 97)	0.0000%
100	Common %	Common Stock	(Note N) (Line 96 / Line 97)	60.1103%
101	Debt Cost	Total Long Term Debt		0.0394
102	Preferred Cost	Preferred Stock	(Line 84 / Line 95)	0.0000
103	Common Cost	Common Stock	(Note I) The most recent FERC approved ROE	0.1170
104	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 98 * Line 101)	0.0157
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0703
107	Rate of Return on Rate Base (ROR)		(Sum Lines 104 to 106)	0.0860
108	Investment Return = Rate Base * Rate of Return		(Line 46 * Line 107)	118,893,470

Composite Income Taxes			
Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	21.00%
110	SIT=State Income Tax Rate or Composite		7.71%
111	p	(percent of federal income tax deductible for state purp Per State Tax Code	0.00%
112	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	27.09%
113	T/(1-T)		37.16%
114	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$ [Line 113 * Line 108 * (1- (Line 104 / Line 107))]	36,106,899
115	Total Income Taxes	(Line 114)	36,106,899

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,823,459,420
117	Total Adjustment to Rate Base	(Line 45)	-441,709,430
118	Rate Base	(Line 46)	1,381,749,990
119	Total Transmission O&M	(Line 74)	6,625,102
120	Total Transmission Depreciation & Amortization	(Line 81)	52,035,323
121	Taxes Other than Income	(Line 83)	14,618,004
122	Investment Return	(Line 108)	118,893,470
123	Income Taxes	(Line 115)	36,106,899
124	Gross Revenue Requirement	(Sum Lines 119 to 123)	228,278,798

Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service	(Line 22)	2,224,457,205
126	Excluded Transmission Facilities	(Note L) Attachment 5	0
127	Included Transmission Facilities	(Line 125 - Line 126)	2,224,457,205
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	228,278,798
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	228,278,798
Revenue Credits			
131	Revenue Credits	Attachment 3	2,644,218
132	Net Revenue Requirement	(Line 130 - Line 131)	225,634,580

Net Plant Carrying Charge			
133	Net Revenue Requirement	(Line 132)	225,634,580
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,737,493,925
135	FCR	(Line 133 / Line 134)	12.9862%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	10.4218%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	10.4218%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	1.5009%

Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	70,634,210
140	Increased Return and Taxes	Attachment 4	166,392,167
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	237,026,377
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,737,493,925
143	FCR with Incentive ROE	(Line 141 / Line 142)	13.6419%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	11.0774%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	11.0774%
146	Net Revenue Requirement	(Line 132)	225,634,579.89
147	Reconciliation amount	Attachment 6	0.00
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones	Attachment 7	5,831,436.77
149	Facility Credits under Section 30.9 of the PJM OATT	Attachment 5	0.00
150	Net Zonal Revenue Requirement	(Line 146 + 147 + 148 + 149)	231,466,016.65

Network Zonal Service Rate			
151	1 CP Peak	(Note K) PJM Data	N/A
152	Rate (\$/MW-Year)	(Line 150 / 151)	N/A
153	Network Service Rate (\$/MW/Year)	(Line 152)	N/A

Notes

- A Electric portion only
- B For both the estimate and the reconciliation, Construction Work In Progress ("CWIP") and leases that are expensed as O&M (rather than amortized) are excluded.
- For the Estimate Process:**
Transmission plant in service will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
The transmission plant will agree to or be reconciled to the FERC Form 1 balance for the transmission plant.
New Transmission Plant expected to be placed in service in the current calendar year will be based on the average of 13 monthly investment costs and shown separately detailed by project on Attachment 6.
Accumulated depreciation will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- For the Reconciliation Process:**
Transmission plant in service will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes new transmission plant added to plant-in-service
Accumulated depreciation will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes accumulated depreciation associated with current year transmission plant.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Includes Transmission portion only and (i) only land that has an estimated in-service date within 10 years may be included and (ii) a plan for the land's use is required to be included in the filing whenever the cost of the land is proposed to be included in rates.
- D Excludes all EPRI Annual Membership Dues
- E Excludes all Regulatory Commission Expenses
- F Includes Safety related advertising included in Account 930.1
- G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- H The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed.
- I ROE will be established in the Commission order accepting the settlement in Docket No. ER07-562 and no change in ROE will be made absent a Section 205 or Section 206 filing at FERC.
- J Education and outreach expenses relating to transmission, for example siting or billing
- K As provided for in Section 34.1 of the PJM OATT; the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
- L Amount of transmission plant excluded from rates per Attachment 5.
- M Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M on Line 47. If they are booked to Acct 565, they are included on Line 50. Copies of PJM invoices will be provided upon request.
- N The capital structure will remain 50% equity and 50% debt until construction of all of the segments of the TrAIL Project is completed and the entire TrAIL Project is placed in service. The first year that these projects are in service the formula will be run based on the 50/50 capital structure and on the actual year end capital structure. The two results will be weighted based on: the number of days the last project was in service and 365 day minus the numbers of days the last project was in service divided by 365 days.
This can be illustrated using the following example:

Example:

Assume Last Project goes into service on day 260.
Hypothetical Capital Structure until the last project goes into service is 50/50.
Assume Year End actual capital structure is 60% equity and 40% debt.

Therefore: Weighted Equity = $[50\% \cdot 260 + 60\% \cdot (365 - 260)] / 365$

Trans-Allegheny Interstate Line Company
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Line	Trans-Allegheny Interstate Company							
	B1	B2	B3	C	D	E	F	G
	<i>Beg of Year Total</i>	<i>End of Year Total</i>	<i>End of Year for Est. Average for Final Total</i>	<i>Retail Related</i>	<i>Only Transmission Related</i>	<i>Plant Related</i>	<i>Labor Related</i>	<i>Total ADIT</i>
1 ADIT- 282 From Account Total Below	569,588,413	569,306,013	569,447,213		569,447,213	-	-	569,447,213
2 ADIT-283 From Account Total Below	85,869,051	82,311,791	84,090,421		83,000,329	-	-	83,000,329
3 ADIT-190 From Account Total Below	(239,223,146)	(182,081,741)	(210,652,444)		(209,535,708)	-	-	(209,535,708)
4 Subtotal					442,911,835	-	-	442,911,835
5 Wages & Salary Allocator							100.0000%	
6 Gross Plant Allocator						100.0000%		
7 ADIT					442,911,835	-	-	442,911,835

Enter Negative

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 93.
 Amount 0 < From Acct 283, below

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed, Dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B1 B2 B3 C D E F G							JUSTIFICATION	
	Trans-Allegheny Interstate Company								
ADIT-190	Beg of Year Balance p234.18.b	End of Year Balance p234.18.c	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	
Accelerated Tax Depr-FED-Norm	(7)	6	(1)			(1)			Additional tax depreciation over book
AFUDC Debt-VA-Norm-Incurred-CWIP	(1)	-	(1)			(1)			Portion of AFUDC Debt that relates to property and booked to account 189
Charitable Contribution - VA RTA	102	70	86		86				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution - WV RTA	1,582	1,648	1,615		1,615				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution Carryforward	2,131	4,559	3,345		3,345				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm	1,269,101	1,242,530	1,255,816			1,255,816			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	1,892,585	1,892,584	1,892,585			1,892,585			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	21,595	21,594	21,595			21,595			Taxable CIAC
CIAC-PA-Norm	98,596	96,435	97,516			97,516			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	71,176	71,175	71,176			71,176			Taxable CIAC
CIAC-VA-Norm	(35,004)	(34,093)	(34,549)			(34,549)			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIP	20,558	20,558	20,558			20,558			Taxable CIAC
CIAC-WV-Norm	96,259	94,259	95,259			95,259			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	157,677	157,677	157,677			157,677			Taxable CIAC
Deferral Amortization of Excess Deferred Income Taxes	3,923,465	3,554,796	3,739,131			3,739,131			Resulting from deferral of refund of excess ADIT due to customers
FASB 109 Gross-UP	(1,935,983)	980,373	(477,805)			(477,805)			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	143,291,694	87,317,982	115,304,838			115,304,838			Result of bonus depreciation
General Business Credit Carryforward	-	176,874	88,437			88,437			Research & Developmental/Experimental costs that for tax purposes generate a dollar for dollar tax credit
Merger Costs: D&O Insurance	566	459	513		513				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs: Licenses	26,137	21,202	23,670		23,670				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Asset - LT PA	805,160	(293,499)	255,831			255,831			Result of bonus depreciation
NOL Deferred Tax Asset - LT WV	18,308,323	18,499,318	18,403,821			18,403,821			Result of bonus depreciation
Pension EDCP-SERP Payments	3,121	-	1,561			1,561			Pension related temporary difference associated with Service Company allocations
Pension/OPEB : Other Deferred Credit or Debit	2,122,361	635,490	1,378,926			1,378,926			Pension related temporary difference associated with Service Company allocations
PJM Revenue Over/Under Recovery	-	25,598	12,799			12,799			Comparison of actual to forecast revenues – non-property related
Purchase Accounting-LTD FMV	1,104,904	1,070,112	1,087,508		1,087,508				Reflects the adjustments and subsequent amortization of the regulatory asset associated with the adjusted debt balances resulting from the FE/AYE merger (Offset is PAA - LT Regulatory Asset Amort below in 283)
State Income Tax Deductible	1,028,829	1,630,966	1,329,898			1,329,898			Deductions related to state income taxes
Tax Interest Capitalized-Fed-Norm	27,497,168	26,910,336	27,203,752			27,203,752			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	33,030,082	33,921,585	33,475,834			33,475,834			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	389,599	381,231	385,415			385,415			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	320,872	333,706	327,289			327,289			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	663,498	657,421	660,460			660,460			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	1,077,832	1,176,735	1,127,284			1,127,284			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	466,976	456,910	461,943			461,943			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	342,323	357,278	349,801			349,801			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	2,504,328	2,455,556	2,479,942			2,479,942			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	2,643,023	2,777,479	2,710,251			2,710,251			Actual amount of tax interest capitalized
Subtotal	241,210,628	186,616,910	213,913,769	-	1,116,736	212,797,033	-	-	
Less FASB 109 included above	1,987,482	4,535,169	3,261,326	-	-	3,261,326	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	239,223,146	182,081,741	210,652,444	-	1,116,736	209,535,708	-	-	

Instructions for Account 190:

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

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C	D	E	F	G	
	Trans-Allegheny Interstate Company								
			End of Year for Est. Average for Final						
ADIT- 282	Beg of Year Balance p274.9.b	End of Year Balance p275.9.k	Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
A&G Expenses Capitalized	12,170,860	13,588,845	12,879,852			12,879,852			Basis difference relating to A&G expense
Accelerated Tax Depreciation	518,350,723	516,039,594	517,195,158			517,195,158			Additional tax depreciation over book
Additional State Depreciation MD	3,607,978	3,905,917	3,756,947			3,756,947			Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	9,434,048	10,151,631	9,792,840			9,792,840			Temporary difference for additional state depreciation allowed for PA tax return
Additional State Depreciation VA	4,658,902	4,971,979	4,815,441			4,815,441			Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	47,524,948	47,590,579	47,557,764			47,557,764			Temporary difference for additional state depreciation allowed for WV tax return
AFUDC Debt	4,243,691	4,563,570	4,403,631			4,403,631			Portion of AFUDC Debt that relates to property and booked to account 282
Capitalized Vertical Tree Trimming	176,700	140,628	158,664			158,664			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cost of Removal	(2,359,564)	(2,304,123)	(2,331,843)			(2,331,843)			Temporary difference arising for removal of plant/property
FASB 109 Gross-Up	(174,611,782)	(167,035,439)	(170,823,610)			(170,823,610)			Reclass of the tax portion (gross-up) for property items included in account 282
Other Basis Differences	(30,922,724)	(32,726,582)	(31,824,653)			(31,824,653)			Other property related temporary differences
Sale of Property - Book Gain or (Loss)	(338,396)	-	(169,198)			(169,198)			Residual basis differences between book and tax on property
T&D Repairs	3,199,188	3,383,974	3,291,581			3,291,581			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Vegetation Management - Transmission	(157,942)	-	(78,971)			(78,971)			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	394,976,631	402,270,574	398,623,603	-	-	398,623,603	-	-	
Less FASB 109 included above	(174,611,782)	(167,035,439)	(170,823,610)			(170,823,610)			
Less FASB 106 included above	-	-	-			-			
Total	569,588,413	569,306,013	569,447,213			569,447,213			

Instructions for Account 282:

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

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C	D	E	F	G	
	Trans-Allegheny Interstate Company								
ADIT-283	Beg of Year Balance p276.19.b	End of Year Balance p277.19.k	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Charitable Contribution State & Local RTA	2,550	2,618	2,584		2,584				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm-Reversal-CWIP	1,892,595	1,892,595	1,892,595			1,892,595			Taxable CIAC
CIAC-MD-Norm	(74,075)	(72,234)	(73,155)			(73,155)			Taxable CIAC
CIAC-MD-Norm-Reversal-CWIP	21,816	21,815	21,816			21,816			Taxable CIAC
CIAC-PA-Norm-Reversal-CWIP	121,734	121,734	121,734			121,734			Taxable CIAC
CIAC-VA-Norm-Reversal-CWIP	14,552	14,553	14,553			14,553			Taxable CIAC
CIAC-WV-Norm-Reversal-CWIP	135,497	135,498	135,498			135,498			Taxable CIAC
Deferred Charge-EIB	38,386	62,188	50,287			50,287			Allocated portion of total liabilities relating to captive insurance
FASB 109 Gross-Up	24,523,772	24,468,684	24,496,228			24,496,228			Reclass of the tax portion (gross-up) for property items included in account 283 Research & Developmental/Experimental costs that for tax purposes generate a dollar for dollar tax credit
FIN 48 - R&D Credit	-	70,749	35,375			35,375			Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FE/AYE merger
PAA - LT Regulatory Asset Amort	1,104,904	1,070,112	1,087,508		1,087,508				Estimate based on December Reopen 1/14/2022. Will most likely reverse with 2021 Federal RTA process in Q3 2022. Pension related temporary timing difference
Pensions Expense	-	90,055	45,028			45,028			Comparison of actual to forecast revenues - non-property related
PJM Receivable	27,151,743	23,261,809	25,206,776			25,206,776			Estimate based on December Reopen 1/14/2022. Will most likely reverse with 2021 Federal RTA process in Q3 2022. PBOP/OPEB related temporary timing difference
Post Retirement Benefits SFAS 106 Accrual	-	8,117	4,059			4,059			Timing differences related to service company allocations
SC01 Timing Allocation	256,872	258,378	257,625			257,625			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Reversal-CWIP	32,437,733	32,576,354	32,507,044			32,507,044			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Reversal-CWIP	312,079	314,226	313,153			313,153			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal-CWIP	1,044,525	1,059,701	1,052,113			1,052,113			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal-CWIP	333,724	336,051	334,888			334,888			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal-CWIP	2,575,555	2,596,271	2,585,913			2,585,913			Actual amount of tax interest capitalized
Valuation Allowance NOL WV	18,308,323	18,499,318	18,403,821			18,403,821			Valuation allowances recorded against state NOL carryforwards not expected to be realized
Year-End Additional Temp Adjustments L/T	190,538	-	95,269			95,269			Other non-property related temporary differences
Subtotal	110,392,823	106,788,592	108,590,708		1,090,092	107,500,616			
Less FASB 109 included above	24,523,772	24,468,684	24,496,228			24,496,228			
Less FASB 106 included above		8,117	4,059			4,059			
Total	85,869,051	82,311,791	84,090,421		1,090,092	83,000,329			

Instructions for Account 283:

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

Trans-Allegheny Interstate Line Company
Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	FERC Form No.1 page, line & Col	Amount	Allocator	Allocated Amount	
Plant Related		Gross Plant Allocator			
1.1	2020 State Property WV	p263.31(l)	5,715,344	100.0000%	\$ 5,715,344
1.2	2021 State Property WV	p263.32(l)	5,652,524	100.0000%	5,652,524
1.3	2020 State Property PA (PURTA)	p263.17(l)	44,884	100.0000%	44,884
1.4	2019 Local Property MD	p263.6(l)	(24,770)	100.0000%	(24,770)
1.5	2020 Local Property MD	p263.8(l)	768,537	100.0000%	768,537
1.6	2021 Local Property MD	p263.9(l)	840,701	100.0000%	840,701
1.7	2019 Local Property WV	p263.14(l)	(582)	100.0000%	(582)
1.8	2020 Local Property WV	p263.15(l)	7,400	100.0000%	7,400
1.9	2021 Local Property WV	p263.7(l)	4,070	100.0000%	4,070
2.0	2021 Local Property VA	p263.11(l)	1,563,016	100.0000%	1,563,016
2.1	2021 Local Property PA	p263.10(l)	4,051	100.0000%	4,051
3	Total Plant Related		14,575,175	100.0000%	14,575,175
Labor Related		Wages & Salary Allocator			
4	Accrued Federal FICA	p263.39(l)	42,829		
5					
6					
7					
8	Total Labor Related		42,829	100.0000%	42,829
Other Included		Gross Plant Allocator			
9				100.0000%	0
10					0
11					0
12	Total Other Included		0	100.0000%	0
13	Total Included (Lines 4 + 9 + 13)		14,618,004		14,618,004 Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.22(l)	\$ (25,331,011.00)		
15	Corporate Net Income Tax MD	p263.23(l)	127,506		
16	Corporate Net Income Tax PA	p263.24(l)	2,265,578		
17	Corporate Net Income Tax VA	p263.25(l)	198,747		
18	Corporate Net Income Tax WV	p263.26(l)	5,190,837		
19	Subtotal, Excluded		-17,548,343		
20	Total, Included and Excluded (Line 14 + Line 20)		-2,930,339		
21	Total Other Taxes from p114.14.c		14,618,004		
22	Difference (Line 20 - Line 21)		-17,548,343		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they shall not be included.
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they shall not be included.
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

Trans-Allegheny Interstate Line Company

Attachment 3 - Revenue Credit Workpaper

		Amount	FERC Form No.1 page, line & Col
Account 454 - Rent from Electric Property			
1	Rent from Electric Property - Transmission Related (Note 3)	-	Page 300 Line: 19 Column: b
2	Total Rent Revenues (Line 1)	-	
Account 456 - Other Electric Revenues (Note 1)			
3	Schedule 1A	-	
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	-	p328-330 Footnote Data Schedule Page: 328 Line: 1 Column: m
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner	2,644,218	
6	PJM Transitional Revenue Neutrality (Note 1)	-	
7	PJM Transitional Market Expansion (Note 1)	-	
8	Professional Services (Note 3)	-	
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	-	
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	-	
11	Gross Revenue Credits (Sum Lines 2-10)	2,644,218	
12	Less line 14g	-	
13	Total Revenue Credits (Line 11 - Line 12)	<u>2,644,218</u>	Input to Appendix A, Line 131
Revenue Adjustment to determine Revenue Credit			
14a	Revenues associated with lines 14b-g are to be included in lines 2-10 and total of those revenues entered here	-	
14b	Costs associated with revenues in line 14a	-	
14c	Net Revenues (14a - 14b)	-	
14d	50% Share of Net Revenues (14c / 2)	-	
14e	Costs associated with revenues in line 14a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.	-	
14f	Net Revenue Credit (14d + 14e)	-	
14g	Line 14a less line 14f	-	
15	Amount offset in line 4 above	-	
16	Total Account 454 and 456	2,644,218	
17	Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 178 of Appendix A.		
18	Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.		
19	Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 14a - 14g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).		
20	Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support. For example revenues associated with distribution facilities. In addition Revenues from Schedule 12 of the PJM OATT are not included in the total above to the extent they are credited under Schedule 12 of the PJM OATT.		

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)	166,392,167	Input to Appendix A, Line 140
B	Difference between Base ROE and Incentive ROE		100	

Return Calculation

		Source Reference	
1	Rate Base	Appendix A, Line 46	1,381,749,990
2	Preferred Dividends	enter positive Appendix A, Line 84	0
Common Stock			
3	Proprietary Capital	Appendix A, Line 85	941,613,905
4	Less Accumulated Other Comprehensive Income Account 219	Appendix A, Line 86	0
5	Less Preferred Stock	Appendix A, Line 87	0
6	Less Account 216.1	Appendix A, Line 88	0
7	Common Stock	Appendix A, Line 89	941,613,905
Capitalization			
8	Long Term Debt	Appendix A, Line 90	624,863,549
9	Less Unamortized Loss on Reacquired Debt	Appendix A, Line 91	0
10	Plus Unamortized Gain on Reacquired Debt	Appendix A, Line 92	0
11	Less ADIT associated with Gain or Loss	Appendix A, Line 93	0
12	Total Long Term Debt	Appendix A, Line 94	624,863,549
13	Preferred Stock	Appendix A, Line 95	0
14	Common Stock	Appendix A, Line 96	941,613,905
15	Total Capitalization	Appendix A, Line 97	1,566,477,454
16	Debt %	Total Long Term Debt Appendix A, Line 98	39.8897%
17	Preferred %	Preferred Stock Appendix A, Line 99	0.0000%
18	Common %	Common Stock Appendix A, Line 100	60.1103%
19	Debt Cost	Total Long Term Debt Appendix A, Line 101	0.0394
20	Preferred Cost	Preferred Stock Appendix A, Line 102	0.0000
21	Common Cost	Common Stock	12.70% 0.1270
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 16 * 19)	0.0157
23	Weighted Cost of Preferred	Preferred Stock (Line 17 * 20)	0.0000
24	Weighted Cost of Common	Common Stock (Line 18 * 21)	0.0763
25	Rate of Return on Rate Base (ROR)	(Sum Lines 22 to 24)	0.0921
26	Investment Return = Rate Base * Rate of Return	(Line 1 * Line 25)	127,199,207

Composite Income Taxes

Income Tax Rates			
27	FIT=Federal Income Tax Rate	Appendix A, Line 109	21.00%
28	SIT=State Income Tax Rate or Composite	Appendix A, Line 110	7.71%
29	p = percent of federal income tax deductible for state purposes	Appendix A, Line 111	0.00%
30	T	Appendix A, Line 112	27.09%
31	T/(1-T)	Appendix A, Line 113	37.16%
32	Income Tax Component =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	39,192,959
33	Total Income Taxes	(Line 32)	39,192,959

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Plant in Service Worksheet		Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions																
			13 Month Balance for Reconciliation	EOY Balance for Estimate														
			Total	Total	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	Osage/Whiteley	Meadowbrook Transformer	North Shenandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans	
Calculation of Transmission Plant in Service																		
December	p206.58.b	For 2020	2,077,276,433		48,694,342	17,780,494	1,072,846,307	2,022,554	24,537,262	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
January	company records	For 2021	2,081,880,083		48,694,809	17,780,494	1,072,938,786	2,022,554	24,537,262	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
February	company records	For 2021	2,080,914,293		48,695,344	17,780,494	1,071,847,003	2,022,554	24,537,316	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
March	company records	For 2021	2,088,852,404		48,705,385	17,780,494	1,071,898,207	2,022,554	24,538,041	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
April	company records	For 2021	2,088,732,529		48,703,897	17,755,640	1,071,898,207	2,022,554	24,565,621	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
May	company records	For 2021	2,089,142,329		48,703,897	17,755,640	1,071,898,207	2,022,554	24,566,800	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
June	company records	For 2021	2,089,362,816		48,704,007	17,755,640	1,071,872,240	2,123,044	24,567,091	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
July	company records	For 2021	2,089,611,260		48,704,468	17,755,640	1,071,872,240	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
August	company records	For 2021	2,089,681,386		48,705,492	17,755,640	1,071,873,515	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
September	company records	For 2021	2,089,610,945		48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
October	company records	For 2021	2,089,637,392		48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
November	company records	For 2021	2,089,675,070		48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
December	p207.58.g	For 2021	2,233,048,119	2,233,048,119	49,576,724	17,755,640	1,071,767,339	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588	
Transmission Plant in Service			2,098,263,398	2,233,048,119	48,769,351	17,757,134	1,072,018,642	2,079,463	24,563,883	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,463	

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Details																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,297,352	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,330	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,019,430	4,942,684	438,837
7,297,346	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,306	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,018,428	4,942,684	438,837
7,297,346	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,749	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,579,808	657,191	14,733,585	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,582,066	657,191	14,734,423	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,585,172	657,191	14,823,412	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,590,624	657,191	14,841,035	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,035	657,191	14,903,899	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,592,734	657,191	14,881,157	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,879,748	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,882,152	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,884,300	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	19,021,573	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,017,130	4,942,684	438,837
7,297,339	15,623,982	2,067,128	832,202	5,024,478	61,586,772	657,191	15,137,618	28,432,359	1,199,446	1,781,142	12,863,994	36,258,413	3,329,830	569,408	44,017,048	4,942,684	438,837

																						Johnstown SS										Farmers Valley										Total
																						Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Substation		Richwood Hill	Damascus SS	Warren Substation	Piercebroke SS	Flint Run Substation			
Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus													Total																				
7,527,658	56,990,614	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,821,215	2,268,540	38,181,684	32,986,519	1,135,027	936,641	112,332,359	47,713,045	46,570,662	39,115,082	74,394,777	2,081,326	24,003,975	10,438,307	-	2,077,276,433															
7,527,658	61,432,685	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,825,980	2,268,540	38,181,684	33,134,562	1,135,027	936,641	112,347,620	47,713,045	46,571,383	39,115,082	74,395,653	2,081,326	24,003,975	10,438,307	-	2,081,880,083															
7,527,658	61,432,788	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,834,844	2,268,540	38,181,684	33,133,994	1,135,027	936,641	112,364,871	47,713,045	46,571,383	39,115,082	74,396,529	2,081,326	24,003,975	10,438,307	-	2,080,914,293															
7,527,658	61,690,045	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,856,460	2,268,019	38,172,921	33,126,240	1,134,766	936,426	112,355,041	47,702,094	46,560,694	39,106,105	74,380,332	2,081,038	23,998,466	10,435,912	7,798,678	2,088,852,404															
7,527,658	61,356,349	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,875,882	2,268,019	38,172,921	33,113,805	1,134,766	936,426	112,381,737	47,702,094	46,561,253	39,106,105	74,381,208	2,081,038	23,998,466	10,436,093	7,952,868	2,088,732,529															
7,527,658	61,359,103	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,904,414	2,268,019	38,172,921	33,132,554	1,134,766	936,426	112,406,386	47,702,094	46,561,253	39,106,105	74,382,084	2,081,038	23,998,466	10,436,093	8,193,834	2,089,142,329															
7,527,658	61,215,236	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,053,558	2,268,019	38,172,921	33,140,507	1,134,766	936,426	112,428,334	47,702,094	46,561,264	39,107,198	74,382,960	2,081,038	23,998,466	10,436,093	8,279,165	2,089,362,816															
7,527,658	61,215,378	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,074,837	2,268,019	38,172,921	33,235,626	1,134,766	936,426	112,447,181	47,702,094	46,567,200	39,107,198	74,383,836	2,081,038	24,003,165	10,437,126	8,296,407	2,089,611,280															
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,080,483	2,268,019	38,172,921	33,233,751	1,134,766	936,426	112,467,409	47,711,168	46,567,200	39,107,198	74,384,712	2,081,038	24,003,165	10,437,126	8,350,743	2,089,681,386															
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,089,511	2,268,019	38,172,921	33,234,275	1,134,766	936,426	112,485,645	47,711,168	46,567,200	39,107,198	74,385,588	2,081,038	24,003,165	10,437,126	8,351,014	2,089,610,045															
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,096,804	2,268,019	38,172,921	33,234,468	1,134,766	936,426	112,500,564	47,711,168	46,567,200	39,107,198	74,386,464	2,081,038	24,003,165	10,437,126	8,352,677	2,089,637,392															
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,096,213	2,268,019	38,172,921	33,234,132	1,134,766	936,426	112,519,435	47,711,168	46,567,200	39,107,198	74,387,340	2,081,038	24,003,165	10,437,126	8,369,386	2,089,675,070															
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,730,326	1,408,503	885,549	19,121,650	2,268,019	38,172,921	33,234,132	1,134,766	936,426	112,525,641	47,711,168	46,567,200	39,107,198	74,388,216	2,081,038	24,003,165	10,437,126	146,707,901	2,233,046,119															
7,527,658	60,982,455	9,675,164	891,272	1,490,132	692,150	18,829,673	31,312,727	1,753,968	7,729,646	1,408,564	885,549	18,979,396	2,268,140	38,174,943	33,167,274	1,134,827	936,476	112,427,871	47,708,111	46,566,238	39,108,765	74,386,900	2,081,104	24,001,906	10,437,067	16,973,282	2,098,263,398															
																						1,850,236,274																				

Trans-Allegheny Interstate Line

			Attachment 5 - Cost Supp	
			Link to Appendix A, line 15	Link to Appendix A, line 15
Calculation of Distribution Plant In Service				
	Source			
December	p206.75.b	For 2020	-	-
January	company records	For 2021	-	-
February	company records	For 2021	-	-
March	company records	For 2021	-	-
April	company records	For 2021	-	-
May	company records	For 2021	-	-
June	company records	For 2021	-	-
July	company records	For 2021	-	-
August	company records	For 2021	-	-
September	company records	For 2021	-	-
October	company records	For 2021	-	-
November	company records	For 2021	-	-
December	p207.75.g	For 2021	-	-
Distribution Plant In Service			-	-
Calculation of Intangible Plant In Service				
	Source			
December	p204.5.b	For 2020	45,687,165	-
December	p205.5.g	For 2021	47,747,742	47,747,742
18	Intangible Plant In Service		46,717,454	47,747,742
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of General Plant In Service				
	Source			
December	p206.99.b	For 2020	78,687,132	-
December	p207.99.g	For 2021	80,265,575	80,265,575
18	General Plant In Service		79,476,354	80,265,575
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of Production Plant In Service				
	Source			
December	p204.46b	For 2020	-	-
January	company records	For 2021	-	-
February	company records	For 2021	-	-
March	company records	For 2021	-	-
April	company records	For 2021	-	-
May	company records	For 2021	-	-
June	company records	For 2021	-	-
July	company records	For 2021	-	-
August	company records	For 2021	-	-
September	company records	For 2021	-	-
October	company records	For 2021	-	-
November	company records	For 2021	-	-
December	p205.46.g	For 2021	-	-
Production Plant In Service			-	-
6	Total Plant In Service	Sum of averages above	2,224,457,205	2,361,061,436
			Link to Appendix A, line 6	Link to Appendix A, line 6

Details															
Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
136,990	118,691	705,589	8,288,337	100,306	1,000,612	4,050,598	159,534	244,025	1,841,265	4,941,101	455,296	76,467	6,036,453	701,588	58,923
138,631	120,148	714,258	8,394,598	101,457	1,010,990	4,105,941	161,646	247,131	1,864,314	5,004,954	461,124	77,463	6,113,486	710,263	59,691
140,271	121,604	722,928	8,500,860	102,608	1,021,368	4,161,295	163,756	250,236	1,887,362	5,068,006	466,951	78,460	6,190,517	718,928	60,459
141,912	123,061	731,597	8,607,121	103,759	1,031,745	4,216,627	165,870	253,342	1,910,411	5,131,458	472,778	79,456	6,267,546	727,613	61,226
143,553	124,517	740,266	8,713,382	104,910	1,042,123	4,271,966	167,982	256,447	1,933,460	5,194,910	478,605	80,453	6,344,575	736,289	61,994
145,194	125,973	748,936	8,819,643	106,061	1,052,301	4,327,305	170,095	259,553	1,956,508	5,258,362	484,432	81,449	6,421,604	744,964	62,762
146,835	127,430	757,605	8,925,904	107,212	1,062,876	4,382,644	172,207	262,658	1,979,557	5,321,814	490,290	82,446	6,498,633	753,639	63,530
148,476	128,886	766,275	9,032,165	108,364	1,073,256	4,437,983	174,319	265,764	2,002,605	5,385,266	496,087	83,442	6,575,663	762,314	64,298
150,117	130,342	774,945	9,138,427	109,515	1,083,634	4,493,322	176,431	268,869	2,025,654	5,448,719	501,914	84,439	6,652,692	770,989	65,066
151,758	131,798	783,614	9,244,688	110,666	1,094,011	4,548,661	178,543	271,975	2,048,702	5,512,171	507,741	85,435	6,729,721	779,664	65,834
153,399	133,255	792,284	9,350,949	111,817	1,104,389	4,604,000	180,655	275,080	2,071,751	5,575,623	513,568	86,432	6,806,750	788,339	66,602
155,039	134,711	800,954	9,457,210	112,968	1,114,767	4,659,339	182,767	278,185	2,094,800	5,639,076	519,396	87,428	6,883,779	797,015	67,370
156,680	136,168	809,624	9,563,471	114,119	1,125,144	4,714,678	184,879	281,291	2,117,848	5,702,528	525,223	88,425	6,960,809	805,690	68,138
146,835	127,430	757,606	8,925,904	107,212	1,062,876	4,382,642	172,207	262,658	1,979,557	5,321,814	490,260	82,446	6,498,633	753,639	63,530

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercebreek SS	Flint Run Substation	Total
901,544	8,611,044	1,159,020	114,192	167,197	70,999	2,568,654	4,863,728	237,854	904,935	155,720	62,994	2,406,521	255,840	4,187,938	2,334,389	122,372	99,295	8,265,442	4,628,649	6,330,140	3,766,764	7,593,984	238,217	1,785,978	338,411	-	338,667,126
914,718	8,743,469	1,174,913	115,752	169,820	72,211	2,609,417	4,940,571	241,531	916,534	158,160	63,936	2,449,467	259,757	4,254,756	2,384,178	124,359	100,934	8,443,256	4,733,053	6,444,860	3,835,772	7,748,558	241,859	1,827,992	356,678	-	342,362,577
927,591	8,875,969	1,190,806	117,312	172,443	73,422	2,650,180	5,017,415	245,209	932,134	160,600	64,876	2,492,426	263,676	4,321,574	2,434,096	126,345	102,573	8,621,100	4,837,458	6,559,581	3,904,760	7,903,133	245,502	1,870,066	374,945	-	346,057,963
941,064	9,008,508	1,206,699	118,872	175,066	74,634	2,690,938	5,094,250	248,686	945,732	163,039	65,821	2,535,409	267,592	4,388,385	2,484,008	128,331	104,212	8,798,955	4,941,851	6,674,288	3,973,760	8,057,692	249,144	1,912,015	393,210	7,049	349,748,718
954,238	9,141,027	1,222,592	120,431	177,688	75,845	2,731,692	5,171,075	252,563	959,328	161,479	66,763	2,578,425	271,509	4,455,187	2,508,897	130,317	105,851	8,978,830	5,046,231	6,788,983	4,042,772	8,212,234	252,786	1,954,019	411,473	20,991	353,435,316
967,411	9,273,546	1,239,485	121,991	180,311	77,056	2,772,447	5,247,901	256,239	972,925	167,918	67,705	2,621,481	275,426	4,521,990	2,558,797	132,303	107,489	9,154,754	5,150,612	6,903,679	4,111,764	8,366,777	256,427	1,996,024	429,736	34,989	357,131,555
980,585	9,406,066	1,254,378	123,551	182,833	78,267	2,813,209	5,324,727	259,916	986,521	170,358	68,947	2,684,690	279,342	4,588,762	2,609,071	134,298	109,128	9,332,722	5,254,962	7,018,374	4,180,756	8,521,321	260,069	2,038,036	447,999	49,148	360,830,302
993,758	9,538,585	1,270,271	125,110	185,556	79,478	2,853,954	5,401,553	263,590	1,000,117	172,797	69,590	2,708,017	283,259	4,655,595	2,658,017	136,275	110,767	9,510,731	5,359,373	7,133,076	4,249,750	8,675,870	263,711	2,080,037	466,263	63,273	364,532,795
1,006,931	9,671,105	1,286,266	126,670	188,179	80,690	2,894,708	5,478,379	267,270	1,013,714	175,236	70,532	2,751,379	287,176	4,722,398	2,708,265	138,260	112,406	9,688,777	5,463,761	7,247,785	4,318,744	8,830,418	267,353	2,122,049	484,528	77,461	368,161,601
1,020,105	9,803,626	1,302,364	128,230	190,801	81,901	2,935,461	5,555,205	270,946	1,027,310	177,676	71,474	2,794,754	291,093	4,789,200	2,758,317	140,246	114,044	9,868,660	5,568,158	7,382,493	4,387,738	8,984,967	270,995	2,164,062	502,793	91,698	371,912,075
1,033,278	9,936,146	1,318,462	129,790	193,424	83,112	2,976,215	5,632,031	274,623	1,040,907	180,115	72,416	2,838,142	295,009	4,856,003	2,808,386	142,232	115,683	10,044,975	5,672,554	7,477,201	4,456,731	9,139,519	274,637	2,206,074	521,058	105,936	375,930,597
1,046,452	10,068,666	1,334,560	131,349	196,047	84,323	3,016,968	5,708,857	278,300	1,054,503	182,555	73,359	2,881,536	298,926	4,922,805	2,858,518	144,218	117,322	10,223,123	5,776,950	7,591,909	4,525,725	9,294,071	278,278	2,248,087	539,323	120,190	379,061,584
1,059,625	10,201,297	1,350,658	132,909	198,689	85,534	3,057,722	5,785,683	281,977	1,068,100	184,994	74,301	2,926,525	302,843	4,989,608	2,908,612	146,204	118,960	10,401,295	5,881,347	7,708,617	4,594,719	9,448,625	281,920	2,290,099	557,587	163,541	382,811,845
980,585	9,406,083	1,254,375	123,551	182,933	78,267	2,813,197	5,324,721	259,916	986,520	170,357	68,947	2,685,289	279,342	4,588,767	2,616,351	134,289	109,128	9,332,986	5,254,969	7,018,384	4,180,754	8,521,321	260,069	2,038,036	448,000	55,483	360,769,473

Trans-Allegheny Interstate Line

			Attachment 5 - Cost Supp.	
Calculation of Distribution Accumulated Depreciation				
	Source	For 2020		
December	Prior year FERC Form 1 p219.26.b		-	-
January	company records	For 2021	-	-
February	company records	For 2021	-	-
March	company records	For 2021	-	-
April	company records	For 2021	-	-
May	company records	For 2021	-	-
June	company records	For 2021	-	-
July	company records	For 2021	-	-
August	company records	For 2021	-	-
September	company records	For 2021	-	-
October	company records	For 2021	-	-
November	company records	For 2021	-	-
December	p219.26.b	For 2021	-	-
Distribution Accumulated Depreciation			-	-
Calculation of Intangible Accumulated Depreciation				
	Source	For 2020		
December	Prior year FERC Form 1 p200.21.b		21,679,378	26,248,266
December	p200.21.b	For 2021	26,248,266	26,248,266
25	Accumulated Intangible Depreciation		23,963,322	26,248,266
			Link to Appendix A, line 25	Link to Appendix A, line 25
Calculation of General Accumulated Depreciation				
	Source	For 2020		
December	Prior year FERC Form 1 p219.28b		14,821,108	17,708,871
December	p219.28.b	For 2021	17,708,871	17,708,871
24	Accumulated General Depreciation		16,264,990	17,708,871
			Link to Appendix A, line 24	Link to Appendix A, line 24
Calculation of Production Accumulated Depreciation				
	Source	For 2020		
December	Prior year FERC Form 1 p219.20.b-24.b		-	-
January	company records	For 2021	-	-
February	company records	For 2021	-	-
March	company records	For 2021	-	-
April	company records	For 2021	-	-
May	company records	For 2021	-	-
June	company records	For 2021	-	-
July	company records	For 2021	-	-
August	company records	For 2021	-	-
September	company records	For 2021	-	-
October	company records	For 2021	-	-
November	company records	For 2021	-	-
December	p219.20.b thru 219.24.b	For 2021	-	-
Production Accumulated Depreciation			-	-
8	Total Accumulated Depreciation	Sum of averages above	400,997,785	426,768,982
			Link to Appendix A, line 8	Link to Appendix A, line 8

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Beg of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
Materials and Supplies						
40	Transmission Materials & Supplies	p227.8	-	-	-	
37	Undistributed Stores Expense	p227.16	-	-	-	
Allocated General Expenses						
51	Plus Property Under Capital Leases	0 p200.4.c	-	-	-	

Transmission / Non-transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	End of Year (for estimate)	Average of Beginning and Ending Balances	Details
34	Transmission Related Land Held for Future Use	Total Non-transmission Related Transmission Related	- - -	- - -	- - -	Enter Details Here

CWIP & Expensed Lease Worksheet

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	CWIP in Form 1 Amount	Expensed Lease in Form 1 Amount	Details
Plant Allocation Factors						
6	Electric Plant in Service	(Note B) Attachment 5	2,201,650,730	-	-	
15	Transmission Plant in Service	(Note B) Attachment 5	2,077,276,433	-	-	
Accumulated Depreciation						
23	Transmission Accumulated Depreciation	(Note B) Attachment 5	338,667,126	-	-	

Pre-Commercial Costs Capitalized

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			EDY for Estimate and BDY for Final	Amortization Amount (Over 4 Years)	Calculated End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliation)	Details
35	Unamortized Capitalized Pre-Commercial Costs		\$ -	\$ -	\$ -	\$ -	

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	EPRI Dues	Details
58	Allocated General & Common Expenses Less EPRI Dues	(Note D) p352 & 353	0	0	Enter Details Here

Regulatory Expense Related to Transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Transmission Related	Non-transmission Related	Details
Directly Assigned A&G						
62	Regulatory Commission Exp Account 928	(Note G) p323.189.b	-	-	-	Link to Appendix A, line 62 Enter Details Here

Safety Related Advertising Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Safety Related	Non-safety Related	Details
Directly Assigned A&G						
66	General Advertising Exp Account 930.1	(Note F) p323.191.b	-	-	-	Link to Appendix A, line 66 Enter Details Here

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

MultiState Workpaper

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		State 1	State 2	State 3	State 4	State 5	Details
Income Tax Rates		MD 8.25%	WV 6.5%	PA 9.99%	VA 6.0%		
110 SIT=State Income Tax Rate or Composite	(Note H)	Composite 7.7091%	Composite is calculated based on sales, payroll and property for each jurisdiction				

Education and Out Reach Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Education & Outreach	Other	Details
Directly Assigned A&G					
63 General Advertising Exp Account 930.1	(Note J) p323.191.b				Enter Details Here

Excluded Plant Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Excluded Transmission Facilities	Description of the Facilities
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
126 Excluded Transmission Facilities	(Note L)		General Description of the Facilities
Step-Up Facilities			
Instructions:		Enter \$	
1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process			
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:		Or	
	Example	Enter \$	
A Total investment in substation	1,000,000		
B Identifiable investment in Transmission (provide workpapers)	500,000		
C Identifiable investment in Distribution (provide workpapers)	400,000		
D Amount to be excluded (A x (C / (B + C)))	444,444		
			Add more lines if necessary

Prepayments

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Beg. of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Related	Details
36 Prepayments				Enter \$		Amount	
Prepayments	Prepaid Insurance	355,164	393,369	374,267	100%	374,267	
Prepaid Pensions if not included in Prepayments		-	0	0	100%	0	
Total Prepayments		355,164	393,369	374,267		374,267	

Detail of Account 566 Miscellaneous Transmission Expenses

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Summary of Pre-Commercial Expenses																		
70 Amortization Expense on Pre-Commercial Cost		\$ -																			
71 Pre-Commercial Expense		-																			
72 Miscellaneous Transmission Expense		1,354,935																			
Total Account 566 Miscellaneous Transmission Expenses	p.321.97.b	\$ 1,354,935																			
			<table border="1"> <thead> <tr> <th>Cost Element Name</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Labor & Overhead (1)</td><td>-</td></tr> <tr><td>Miscellaneous (2)</td><td>-</td></tr> <tr><td>Outside Services Legal (3)</td><td>-</td></tr> <tr><td>Outside Services Other (4)</td><td>-</td></tr> <tr><td>Outside Services Rates (5)</td><td>-</td></tr> <tr><td>Advertising (6)</td><td>-</td></tr> <tr><td>Travel, Lodging and Meals (7)</td><td>-</td></tr> <tr><td>Total</td><td>-</td></tr> </tbody> </table>	Cost Element Name	Total	Labor & Overhead (1)	-	Miscellaneous (2)	-	Outside Services Legal (3)	-	Outside Services Other (4)	-	Outside Services Rates (5)	-	Advertising (6)	-	Travel, Lodging and Meals (7)	-	Total	-
Cost Element Name	Total																				
Labor & Overhead (1)	-																				
Miscellaneous (2)	-																				
Outside Services Legal (3)	-																				
Outside Services Other (4)	-																				
Outside Services Rates (5)	-																				
Advertising (6)	-																				
Travel, Lodging and Meals (7)	-																				
Total	-																				
			<p>(1) Labor & overhead amount includes costs allocated to preparation of the preliminary survey and investigation.</p> <p>(2) Miscellaneous amount includes rental of volunteer fire department facilities for open houses, Fed EX fees for various mailings from Legal, Procurement, Transmission & Finance, fees for various conference calls and PJM application fee.</p> <p>(3) Outside legal services includes the cost for research and preparation of the filing to determine incentive rate availability.</p> <p>(4) Other services other includes fees for website development, media relations services, campaign management, open houses and research services.</p> <p>(5) Outside services rates includes the advice of a rate consultant regarding rate design.</p> <p>(6) Advertising includes newspaper and other media announcements of public scoping meetings related to the proposed project.</p> <p>(7) Travel, lodging and meals are the direct expenses for Allegheny staff to attend the scoping meetings.</p>																		
Net Revenue Requirement																					
149 Facility Credits under Section 30.9 of the PJM OATT																					

Annual Depreciation Expense														
Cabot SS	Grandview Capacitor	Potter	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City	Altoona
152.16	280.56		14,900.48	326.16 2,506.44	1,255.08				124,532.16	2,667.60	3,449.52			
153,098.90	13,533.12	35,356.00	110,621.03	329,705.52	18,435.60	17,476.20	104,036.75	1,275,059.42		287,976.42	21,895.68	37,265.52		761,426.66
			96,614.37							8,427.60			35,708.68 196,163.20	
			351,686.66							385,008.96			42,710.88	
153,251	13,814	35,356	573,823	332,538	19,691	17,476	104,037	1,275,059	124,532	664,081	25,345	37,266	276,583	761,427

Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor
						89,615.84	6,363.37		2,101.91		\$157,970.64				18,582.53
69,926.40	11,957.52	924,355.85	104,102.58	9,215.64	158,080.80	\$1,390,165.90	185,275.18	18,716.76	29,370.46	14,535.01	331,096.06	\$921,955.01	44,123.11	144,582.98	29,273.53
						80,158.20									
						30,313.10									
69,926	11,958	924,356	104,103	9,216	158,081	1,590,253	191,639	18,717	31,472	14,535	489,066.70	921,955	44,123	163,166	29,274

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Flint Run	Damascus SS	Warren Substation	Piercebreek SS	Total
	115,819.69															2,593,137.61
	57,954.43							118,495.62	12,129.11	248,303.39	615,699.38			37,887.06		2,774,009.50
																-
11,306.52	115,017.29	47,002.89	801,669.67	599,875.20	23,780.22	19,665.94	63,150.95	1,134,202.09	1,364,347.24	579,644.64	1,238,942.34	134,464.23	43,703.11	466,234.62	219,183.89	19,036,893.98
																-
	36,844.53															7,440,317.74
	75,414.72						879,579.91					\$26,708.64				4,194,509.31
																-
	118,952.58						\$1,193,122.04					\$2,388.45				8,509,601.17
																-
																-
																-
																-
11,307	520,003	47,003	801,670	599,875	23,780	19,666	2,135,853	1,252,698	1,376,476	827,948	1,854,642	163,541	43,703	504,122	219,184	44,556,469

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

GENERAL PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
390	Structures & Improvements	50	R1	0	2.00	993,799
391	Office Furniture & Equipment	20	SQ	0	5.00	112,862
	Information Systems	10	SQ	0	10.00	754,482
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other	15	SQ	20	5.33	
	Autos	7	S3	20	11.43	
	Light Trucks	11.5	L4	20	6.96	
	Medium Truck	11.5	L4	20	6.96	
	Trailers	18	L1	20	4.44	
	ATV	15	SQ	20	5.33	
393	Stores Equipment	20	SQ	0	5.00	
394	Tools, Shop & Garage Equipment	20	SQ	0	5.00	
396	Power Operated Equipment	18	L1	25	4.17	
397	Communication Equipment	15	SQ	0	6.67	1,047,247
398	Miscellaneous Equipment	15	SQ	0	6.67	
Total General Plant						2,908,389
Total General Plant Depreciation Expense (must tie to p336.10.b & c)						2,908,389
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	4,570,464
Total Intangible Plant						4,570,464
Total Intangible Plant Amortization (must tie to p336.1 d & e)						4,570,464

These depreciation rates will not change absent the appropriate filing at FERC.

PBOP Expenses

1 Total PBOP expenses	22,856,433
2 Amount relating to retired personnel	8,786,372
3 Amount allocated on FTEs	14,070,061
4 Number of FTEs for Allegheny	4,408
5 Cost per FTE	3,192
6 TRAILCo FTEs (labor not capitalized) current year	0.000
7 TRAILCo PBOP Expense for base year	-
8 TRAILCo PBOP Expense in Account 508 for current year	0
9 PBOP Adjustment for Appendix A, Line 57	-
Lines 1-5 cannot change absent approval or acceptance by FERC in a separate proceeding.	

Trans-Allegheny Interstate Line Company

Attachment 5a - Pre-Commercial Costs and CWIP

Step 1 Totals reported below are by project with the amounts to be expensed reported separately from those to be deferred and amortized (note, deferred costs related to 2006 include AFUDC).
For Forecasting purposes, Pre-Commercial expenses will be estimated. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Step 2 For each project, where CWIP is to be recovered in rate base, CWIP will be estimated and the totals reported below by project. For the Reconciliation, for each project where CWIP is to be recovered in rate base the CWIP will be itemized by project below. Additionally, the amount of AFUDC that would have been capitalized for projects where CWIP is included in rate base will be reported in the FERC Form No. 1.

Step 3 For the Reconciliation, the total additions to plant in service for that year will be summarized by project to demonstrate no Pre-Commercial costs expensed were included in the additions to plant in service and AFUDC on projects where CWIP was recovered in rate base was included in the additions to plant in service. The Pre-commercial expenses are actual expenses incurred for the reconciliation year. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Column A	Column B	Column C	Column D	Column E	Column F	Column G
	Pre-Commercial Costs			CWIP		
Step 1 For Estimate:	Expensed (Estimated)	Deferred	Amount of Deferred Amortized in Year	Average of 13 Monthly Balances		
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-		
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-		
502 Junction - Territorial Line (CWIP)	-	-	-	-		
Total	-	-	-	-		
Step 3 For Reconciliation:	Pre-Commercial Costs					
	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year	CWIP	AFUDC In CWIP	AFUDC (If CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
Prexy - 502 Junction 500 kV (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
502 Junction - Territorial Line (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
Total Additions to Plant In Service (sum of the above for each project)			Refer to Attachment 5 - Cost Support Plant in Service Worksheet			-
Total Additions to Plant in Service reported on pages 204-207 of the Form No. 1			Refer to Attachment 5 - Cost Support Plant in Service Worksheet			-
Difference (must be zero)						-

Notes:
1 Small projects may be combined into larger projects where rate treatment is consistent. Pre-Commercial costs benefiting multiple projects will be allocated to projects based on the estimated plant in service of each project.

Allocation of Pre-Commercial Costs	Plant in Service (Estimated 2/12/2008)	Allocation
Prexy - 502 Junction 138 kV (CWIP)	94,140,000	0.10734
Prexy - 502 Junction 500 Kv (CWIP)	121,260,000	0.13827
502 Junction - Territorial Line (CWIP)	661,600,000	0.75439
Total	877,000,000	1.00000

2 Column D is the total CWIP balance including any AFUDC, Column E is the AFUDC if any in Column D, and Column F is the AFUDC that would have been in Column E if CWIP were not recovered in rate base.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Mainsburg (in service)	Piercebrook SS (in service)	Shingletown (in service)	Farmers Valley SS (in service)	New Martinsville Capacitor (in service)	Flint Run Substation (in service)	Bartonville (in service)	Squab Hollow SVC (in service)	
Uec (prior year CWIP) p216.b.43									
Jan 2021	Actual	(1)							
Feb	Actual	148,043							
Mar	Actual	(568)							
Apr	Actual	(7,754)	(2,395)	(403)	(8,977)			(159)	(7,188)
May	Budget					826,829			
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget						134,337,104		
Dec	Budget						1,200		
Total		139,720	(2,395)	(403)	(8,977)	826,829	134,338,304	(159)	(7,188)

New Transmission Plant Additions for Year 3 (13 month average balance)

	Month End Balances							
	Mainsburg (in service)	Piercebrook SS (in service)	Shingletown (in service)	Farmers Valley SS (in service)	New Martinsville Capacitor (in service)	Flint Run Substation (in service)	Bartonville (in service)	Squab Hollow SVC (in service)
Other Projects PIS (Monthly additions)	(1)	-	-	-	-	-	-	-
Jan 2021	148,042	-	-	-	-	-	-	-
Feb	147,474	-	-	-	-	-	-	-
Mar	139,720	(2,395)	(403)	(8,977)	-	-	(159)	(7,188)
Apr	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
May	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Jun	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Jul	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Aug	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Sep	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Oct	139,720	(2,395)	(403)	(8,977)	826,829	-	(159)	(7,188)
Nov	139,720	(2,395)	(403)	(8,977)	826,829	134,337,104	(159)	(7,188)
Dec	139,720	(2,395)	(403)	(8,977)	826,829	134,338,304	(159)	(7,188)
Total	1,692,711	(23,953)	(4,026)	(89,770)	7,441,457	268,675,408	(1,589)	(71,876)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Clayburg Ring Bus (in service)	Johnstown SS Capacitor (in service)	Shawville (in service)	Monocacy SS (in service)	Yeagertown (in service)	Nyswaner (in service)			
Uec (prior year CWIP) p216.b.43									
Jan 2021	Actual								
Feb	Actual								
Mar	Actual	(1,774)	(265)	(521)	(8,763)	(260)	(215)		
Apr	Budget								
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		(1,774)	(265)	(521)	(8,763)	(260)	(215)		

New Transmission Plant Additions for Year 3 (13 month average balance)

	Month End Balances						
	Clayburg Ring Bus (in service)	Johnstown SS Capacitor (in service)	Shawville (in service)	Monocacy SS (in service)	Yeagertown (in service)	Nyswaner (in service)	
Other Projects PIS (Monthly additions)	-	-	-	-	-	-	-
Jan 2021	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Apr	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
May	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Jun	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Jul	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Aug	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Sep	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Oct	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Nov	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Dec	(1,774)	(265)	(521)	(8,763)	(260)	(215)	-
Total	(17,743)	(2,654)	(5,206)	(87,628)	(2,605)	(2,149)	-
	(1,364.82)	(204.19)	(400.49)	(6,740.60)	(200.37)	(165.35)	-

3 April Year 2 TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)

4 May Year 2 Post results of Step 3 on PJM web site

Wyle Ridge (Monthly additions)	Black Oak (Monthly additions)	North Shenandoah (Monthly additions)	Meadowbrook Transformer (Monthly additions)	Bedington Transformer (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Kammer Transformers (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #4 (Monthly additions)	Cabot SS (Monthly Additions)	Hunterstown	Farmers Valley	Harvey Run	Doubs SS	Potter SS (Monthly Additions)	Osage Whiteley (Monthly Additions)	Meadowbrook SS	502 Junction - Territorial Line (Monthly additions)		
\$ 2,428,265	5,066,123.26	206,563.96	2,109,327.71	796,003.93	678,999.70	4,141,364	550,103	574,031	541,802	808,943	5,073,484	230,587	95,438	575,936	225,130	2,808,616	5,822,902	122,144,535		
502 Junction Substation	Waldo Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Oak Mound	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Grover SS Capacitor		
\$ 1,632,115.28	7,525,186.64	3,326,380.58	383,984.37	1,121,231.54	567,819.10	134,540	74,662	4,183,301	138,971	205,221	882,083	65,819	266,885	13,504,765	176,027	50,727	-	101,183		
Richwood Hill	Handsome Lake - Homer City	West Union	Rider Sub (West Millford)	Erie South	Monocacy SS	Bartonville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Clayburg Ring Bus	Joffre Sub	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Armstrong	Farmers Valley Substation	Damascus Substation	Warren Substation		
\$ 9,152,653.82	1,480,977.50	103,624.42	2,327,988.25	5,772,551.69	4,515,403.70	82,408	3,959,296	165,810	908,886	5,958,474	2,264,521	3,812,141	209,788	111,144	1,802,446	4,689,872	245,071	2,931,343		
Total Revenue Requirement																	Flint Run Substation	New Martinsville Capacitor	Piercebrook Substation	Joffre Substation S1041
\$ 243,356,791.05																	2,258,216	62,545	1,322,573	-

Result of Formula for Reconciliation

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ 231,466,016.65	221,402.35	770,708.07	579,449.62	483,476.30	524,131.35	3,946,441	646,728	758,276	794,737	196,784	4,806,323	2,313,324	116,438,360	2,657,203	1,717,223	219,820	90,926	548,722
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
6,763,269	48,329	1,410,937	71,131	132,402	195,519	3,985,577	365,861	3,170,493	1,591,373	62,708	4,834,449	540,676	840,404	6,965,438	1,069,215	98,727	78,513	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
128,054	2,220,227	4,301,951	167,706	3,783,831	158,317	96,442	865,920	2,158,272	3,630,373	199,830	105,890	254,271	12,880,194	5,677,075	5,498,074	4,468,075	8,719,019	
Damascus SS	Warren Substation	Joffre Substation S1041	Piercebrook Substation	Flint Run	New Martinsville Capacitor													
233,488	2,793,152	-	1,260,224	1,926,576	-													

8 April Year 3

Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Step 5 with interest to the result of Step 7 (this difference is also added to Step 7 in the subsequent year)

The Reconciliation in Step 8
231,466,017

The forecast in Prior Year
243,356,791

= (11,890,774) -Note: for the first rate year, divide this reconciliation amount by 12 and multiply by the number of months and fractional months the rate was in effect.

Interest on Amount of Refunds or Surcharges

Month	Yr	1/12 of Step 9	Interest 35 19a for March Current Yr	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	(990,898)	0.2800%	11.5	(31,907)	(1,022,805)
Jul	Year 1	(990,898)	0.2800%	10.5	(29,132)	(1,020,030)
Aug	Year 1	(990,898)	0.2800%	9.5	(26,358)	(1,017,256)
Sep	Year 1	(990,898)	0.2800%	8.5	(23,583)	(1,014,481)
Oct	Year 1	(990,898)	0.2800%	7.5	(20,809)	(1,011,707)
Nov	Year 1	(990,898)	0.2800%	6.5	(18,034)	(1,008,932)
Dec	Year 1	(990,898)	0.2800%	5.5	(15,260)	(1,006,158)
Jan	Year 2	(990,898)	0.2800%	4.5	(12,485)	(1,003,383)
Feb	Year 2	(990,898)	0.2800%	3.5	(9,711)	(1,000,609)
Mar	Year 2	(990,898)	0.2800%	2.5	(6,936)	(997,834)
Apr	Year 2	(990,898)	0.2800%	1.5	(4,162)	(995,060)
May	Year 2	(990,898)	0.2800%	0.5	(1,387)	(992,285)
Total		(11,890,774)				(12,090,539)
		Balance	Interest	Amort	Balance	
Jun	Year 2	(12,090,539)	0.2800%	(1,025,976)	(11,064,563)	
Jul	Year 2	(11,064,563)	0.2800%	(1,025,976)	(10,038,587)	
Aug	Year 2	(10,038,587)	0.2800%	(1,025,976)	(9,012,611)	
Sep	Year 2	(9,012,611)	0.2800%	(1,025,976)	(8,000,635)	
Oct	Year 2	(8,000,635)	0.2800%	(1,025,976)	(7,000,659)	
Nov	Year 2	(7,000,659)	0.2800%	(1,025,976)	(6,000,683)	
Dec	Year 2	(6,000,683)	0.2800%	(1,025,976)	(5,000,707)	
Jan	Year 3	(5,000,707)	0.2800%	(1,025,976)	(4,000,731)	
Feb	Year 3	(4,000,731)	0.2800%	(1,025,976)	(3,000,755)	
Mar	Year 3	(3,000,755)	0.2800%	(1,025,976)	(2,000,779)	
Apr	Year 3	(2,000,779)	0.2800%	(1,025,976)	(1,000,803)	
May	Year 3	(1,000,803)	0.2800%	(1,025,976)	(0)	
Total with interest					(12,311,715)	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest
Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)
Revenue Requirement for Year 3

\$ (12,311,715) **Input to Appendix A, Line 143**

Reconciliation Amount by Project

Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kammer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wyle Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ (12,311,715)	(3,860)	(39,588)	38,980	(93,761)	(26,891)	(201,824)	(33,414)	(39,063)	(1,361,128)	(10,127)	(268,998)	(119,010)	(5,908,178)	(156,773)	(88,240)	(11,149)	(4,671)	(28,177)
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
973,656	(2,483)	(72,520)	(3,655)	(6,802)	(10,045)	(204,724)	(18,765)	(161,406)	(42,184)	(3,221)	(247,497)	(28,104)	(43,155)	(579,564)	(53,858)	(5,071)	(4,033)	
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
(6,716)	(111,577)	(221,009)	(8,616)	(181,677)	(7,758)	(4,908)	(44,486)	(110,011)	(188,203)	(10,310)	(5,440)	(13,060)	(646,682)	(291,361)	(284,194)	(229,649)	(448,985)	
Damascus SS	Warren Substation	Joffre SS	Piercebrook SS	Flint Run	New Martinsville Capacitor													
(11,993)	(143,083)	-	(64,556)	(343,380)	(64,760)													

9 May Year 3

Post results of Step 8 on PJM web site
\$ (12,311,715)

10 June Year 3

Results of Step 8 go into effect
\$ (12,311,715)

Trans-Allegheny Interstate Line Company
Attachment 7 - Transmission Enhancement Charge Worksheet

Revenue Requirement By Project

Fixed Charge Rate (FCR) if not a CIAC		Formula Line	
A	137	FCR without Depreciation and Pre-Commercial Costs	10.4218%
B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial	11.0774%
C		Line B less Line A	0.6556%
FCR if a CIAC			
D	138	FCR without Depreciation, Return, nor Income Taxes	1.5009%

The FCR resulting from Formula in a given year is used for that year only.
Therefore actual revenues collected in a year do not change based on cost data for subsequent years

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		PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4					PJM Upgrade ID: b0218				PJM Upgrade ID: b0216			
Details		502 Junction - Territorial Line (CWIP + Plant In Service)					Wylie Ridge Transformer (Plant In Service)				Black Oak (SVC) Dynamic Reactive Device (Plant In Service)			
Schedule 12	(Yes or No)	Yes					Yes				Yes			
CIAC	(Yes or No)	No					No				No			
Allowed ROE		12.70%					11.70%				12.70%			
FCR without Incentive ROE		10.4218%					10.4218%				10.4218%			
FCR for This Project		11.0774%					10.4218%				11.0774%			
Investment		858,792,693					16,636,481				30,626,771			
Annual Depreciation Exp from Attachment 5		21,306,084					579,504				1,413,659			
	Invest Yr	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
See Calculations for each item below	2011	89,501,641.46	21,306,084.49	0.00	0.00	110,807,725.95	1,733,820.52	579,503.67	0.00	2,313,324.19	3,191,860.30	1,413,659.43	0.00	4,605,519.73
See Calculations for each item below	2011	95,132,275.25	21,306,084.49	0.00	0.00	116,438,359.74	1,733,820.52	579,503.67	0.00	2,313,324.19	3,392,663.28	1,413,659.43	0.00	4,806,322.71

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commercial expense on Attachment 5a for each project expensed in year and amortized in year.
Revenue is equal to the "Return" ("Investment" times FCR) plus "Depreciation" plus "Pre-Commercial Exp" plus prior year "Reconciliation amount"
"Reconciliation Amount" is created in the reconciliation in Attachment 6 and included in the forecasted revenue requirement.

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10 "Yes" if a project under PJM OATT Schedule 12, otherwise
11 "No"
12 "Yes" if the customer has paid a lump sum payment in the
amount of the investment on line 29, Otherwise "No"
13 Input the allowed ROE
14 From line 3 above if "No" on line 12 and From line 7 above if
"Yes" on line 12
15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
then line 3, and if line 12 is "Yes" then line 7
16 Forecast - End of prior year net plant plus current year
forecast of CWIP or Cap Adds.
reconciliation - Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
17 Annual Depreciation Exp from Attachment 5

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19 See Calculations for each item below
20 See Calculations for each item below

PJM Upgrade ID: b0323				PJM Upgrade ID: b0230				PJM Upgrade ID: b0229				PJM Upgrade ID: b0559			
North Shenandoah Transformer (Plant In Service)				Meadowbrook Transformer (Plant In Service)				Bedington Transformer (Plant In Service)				Meadowbrook Capacitor (Plant In Service)			
Yes				Yes				Yes				Yes			
No				No				No				No			
11.70%				11.70%				11.70%				11.70%			
10.4218%				10.4218%				10.4218%				10.4218%			
10.4218%				10.4218%				10.4218%				10.4218%			
1,500,525				6,065,312				5,719,571				4,813,513			
40,402				162,622				162,194				145,074			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
156,381.65	40,401.96	0.00	196,783.61	632,114.57	162,622.44	0.00	794,737.01	596,082.10	162,194.28	0.00	758,276.38	501,654.61	145,073.55	0.00	646,728.16
156,381.65	40,401.96	0.00	196,783.61	632,114.57	162,622.44	0.00	794,737.01	596,082.10	162,194.28	0.00	758,276.38	501,654.61	145,073.55	0.00	646,728.16

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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11 "Yes" if a project under PJM OATT Schedule 12, otherwise
"No"
12 "Yes" if the customer has paid a lump sum payment in the
amount of the investment on line 29, Otherwise "No"
13 Input the allowed ROE
14 From line 3 above if "No" on line 12 and From line 7 above if
"Yes" on line 12
15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
then line 3, and if line 12 is "Yes" then line 7
16 Forecast - End of prior year net plant plus current year
forecast of CWIP or Cap Adds.
reconciliation - Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
17 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b0495					PJM Upgrade ID: b0343					PJM Upgrade ID: b0344					PJM Upgrade ID: b0345				
Kammer Transformers (Plant In Service)					Doubs Replace Transformer #2					Doubs Replace Transformer #3					Doubs Replace Transformer #4				
Yes					Yes					Yes					Yes				
No	11.70%				No	11.70%				No	11.70%				No	11.70%			
	10.4218%					10.4218%					10.4218%					10.4218%			
	10.4218%					10.4218%					10.4218%					10.4218%			
	29,884,479					4,118,689					3,843,224					4,124,820			
	831,941					94,890					82,943					149,569			
Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue
3,114,500.10	831,940.92	0.00	3,946,441.02	429,241.43	429,241.43	94,889.93	0.00	524,131.35	400,533.03	400,533.03	82,943.28	0.00	483,476.30	429,880.45	429,880.45	149,569.17	0.00	579,449.62	579,449.62
3,114,500.10	831,940.92	0.00	3,946,441.02	429,241.43	429,241.43	94,889.93	0.00	524,131.35	400,533.03	400,533.03	82,943.28	0.00	483,476.30	429,880.45	429,880.45	149,569.17	0.00	579,449.62	579,449.62

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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11 "Yes" if a project under PJM OATT Schedule 12, otherwise "No"
12 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"
13 Input the allowed ROE
14 From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7
16 Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds
reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.
17 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b0704					PJM Upgrade ID: b1941					PJM Upgrade ID: b0563					PJM Upgrade ID: b0564				
Cabot SS - Install Autotransformer					Armstrong					Farmers Valley Capacitor					Harvey Run Capacitor				
Yes					Yes					Yes					Yes				
No					No					No					No				
11.70%					11.70%					11.70%					11.70%				
10.4218%					10.4218%					10.4218%					10.4218%				
10.4218%					10.4218%					10.4218%					10.4218%				
5,924,669					13,286,428					1,920,294					704,772				
153,251					332,538					19,691					17,476				
Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue	
617,457.01	153,251.06	0.00	770,708.07		1,384,684.68	332,538.12	0.00	1,717,222.80		200,129.12	19,690.68	0.00	219,819.80		73,449.91	17,476.20	0.00	90,926.11	
617,457.01	153,251.06	0.00	770,708.07		1,384,684.68	332,538.12	0.00	1,717,222.80		200,129.12	19,690.68	0.00	219,819.80		73,449.91	17,476.20	0.00	90,926.11	

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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PJM Upgrade ID: b1803					PJM Upgrade ID: b1243					PJM Upgrade ID: b0674, b1023, b1023.3					PJM Upgrade ID: b1804																				
Doubs SS					Potter SS					Osage Whiteley					Meadowbrook SS																				
"Yes" if a project under PJM OATT Schedule 12, otherwise "No"					"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"					"Yes" if a project under PJM OATT Schedule 12, otherwise "No"					"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"																				
Input the allowed ROE					Input the allowed ROE					Input the allowed ROE					Input the allowed ROE																				
From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12					From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12					From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12					From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12																				
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7					If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7					If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7					If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7																				
Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.					Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.					Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.					Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.																				
reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.					reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.					reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.					reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.																				
Annual Depreciation Exp from Attachment 5					Annual Depreciation Exp from Attachment 5					Annual Depreciation Exp from Attachment 5					Annual Depreciation Exp from Attachment 5																				
11.70%					11.70%					11.70%					11.70%																				
10.4218%					10.4218%					10.4218%					10.4218%																				
10.4218%					10.4218%					10.4218%					10.4218%																				
4,266,873					1,785,166					19,990,600					52,660,867																				
104,037					35,356					573,823					1,275,059																				
Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Pre-Commercial Exp.		Reconciliation amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue											
444,684.84		104,036.75		0.00		548,721.60		186,046		35,356		0		0		221,402.35		2,083,380		573,823		0		0		2,657,202.54		5,488,209.34		1,275,059.42		0.00		6,763,268.76	
444,684.84		104,036.75		0.00		548,721.60		186,046		35,356		0		0		221,402.35		2,083,380		573,823		0		0		2,657,202.54		5,488,209.34		1,275,059.42		0.00		6,763,268.76	

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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11 "Yes" if a project under PJM OATT Schedule 12, otherwise
12 "No"
13 "Yes" if the customer has paid a lump sum payment in the
14 amount of the investment on line 29, Otherwise "No"
15 Input the allowed ROE
16 From line 3 above if "No" on line 12 and From line 7 above if
17 "Yes" on line 12
18 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
19 then line 3, and if line 12 is "Yes" then line 7
20 Forecast - End of prior year net plant plus current year
reconciliation - Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b1990					PJM Upgrade ID: b0674 & b1023.1					PJM Upgrade ID: b1153					PJM Upgrade ID: b1965				
Grandview Capacitor					502 Jct Substation					Conemaugh-Seward					Luxor				
Yes					Yes					Yes					Yes				
No					No					No					No				
11.70%					11.70%					11.70%					11.70%				
10.4218%					10.4218%					10.4218%					10.4218%				
10.4218%					10.4218%					10.4218%					10.4218%				
549,978					14,074,740					24,049,716					1,027,239				
13,814					124,532					664,081					25,345				
Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue	Return	Depreciation	Reconciliation	Amount	Revenue
57,317.61	13,813.68	0.00	71,131.29		1,466,840.96	124,532.16	0.00	1,591,373.12		2,506,412.91	664,080.58	0.00	3,170,493.49		107,056.81	25,345.20	0.00	132,402.01	
57,317.61	13,813.68	0.00	71,131.29		1,466,840.96	124,532.16	0.00	1,591,373.12		2,506,412.91	664,080.58	0.00	3,170,493.49		107,056.81	25,345.20	0.00	132,402.01	

For Plant in Service
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"Reconciliation Amount" is created in the reconciliation in Atta

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"Yes" if a project under PJM OATT Schedule 12, otherwise "No"
"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"
Input the allowed ROE
From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7
Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Adds.
reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.
Annual Depreciation Exp from Attachment 5
See Calculations for each item below
See Calculations for each item below

PJM Upgrade ID: b1839				PJM Upgrade ID: b1941				PJM Upgrade ID: b1801				PJM Upgrade ID: b1967			
Grandpoint & Guilford				Handsome Lake-Homer City				Altoona				Blairsville			
Yes				Yes				Yes				Yes			
No				No				No				No			
11.70%				11.70%				11.70%				11.70%			
10.4218%				10.4218%				10.4218%				10.4218%			
10.4218%				10.4218%				10.4218%				10.4218%			
1,518,484				10,884,437				30,936,599				2,839,570			
37,266				276,583				761,427				69,926			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
158,253.34	37,265.52	0.00	195,518.86	1,134,354.06	276,582.96	0.00	1,410,937.02	3,224,149.93	761,426.66	0.00	3,985,576.59	295,934.27	69,926.40	0.00	365,860.67
158,253.34	37,265.52	0.00	195,518.86	1,134,354.06	276,582.96	0.00	1,410,937.02	3,224,149.93	761,426.66	0.00	3,985,576.59	295,934.27	69,926.40	0.00	365,860.67

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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	PJM Upgrade ID: b1672				PJM Upgrade ID: b1800				PJM Upgrade ID: b1945				PJM Upgrade ID: b1770				PJM Upgrade ID: b1964							
	Carbon Center				Hunterstown				Johnstown				Buffalo Road				Moshannon							
11	Yes				Yes				Yes				Yes				Yes							
12	No				No				No				No				No							
13	11.70%				11.70%				11.70%				11.70%				11.70%							
14	10.4218%				10.4218%				10.4218%				10.4218%				10.4218%							
15	10.4218%				10.4218%				10.4218%				10.4218%				10.4218%							
16	486,963				37,518,414				4,189,046				375,306				6,547,073							
17	11,958				924,356				104,103				9,216				158,081							
	Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue	
18	50,750.26	11,957.52	0.00	62,707.78	3,910,093.45	924,355.85	0.00	4,834,449.30	436,573.87	104,102.58	0.00	540,676.45	39,113.66	9,215.64	0.00	48,329.30	682,322.76	158,080.80	0.00	840,403.56				
19	50,750.26	11,957.52	0.00	62,707.78	3,910,093.45	924,355.85	0.00	4,834,449.30	436,573.87	104,102.58	0.00	540,676.45	39,113.66	9,215.64	0.00	48,329.30	682,322.76	158,080.80	0.00	840,403.56				

For Plant in Service
Pre-Commercial Exp is equal to the amount of pre-commerc
Revenue is equal to the *Return* (*Investment* times FCR) p
Reconciliation Amount is created in the reconciliation in Atta

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10 "Yes" if a project under PJM OATT Schedule 12, otherwise
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13 amount of the investment on line 29, Otherwise "No"
14 Input the allowed ROE
15 From line 3 above if "No" on line 12 and From line 7 above if
16 "Yes" on line 12
17 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
18 then line 3, and if line 12 is "Yes" then line 7
19 Forecast – End of prior year net plant plus current year
20 forecast of CWIP or Cap Adds.
reconciliation – Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b2433.1, b2433.2, b2433.3				PJM Upgrade ID: b1609, b1769				PJM Upgrade ID: b2343				PJM Upgrade ID: b2342				PJM Upgrade ID: b1610				PJM Upgrade ID: b1840			
Waldo Run				Four Mile Junction				West Union SS				Shuman Hill/Mobley				Yeagertown				Rider Sub			
Yes				Yes				Yes				Yes				Yes				Yes			
No		11.70%		No		11.70%		No		11.70%		No		11.70%		No		11.70%		No		11.70%	
10.4218%				10.4218%				10.4218%				10.4218%				10.4218%				10.4218%			
10.4218%				10.4218%				10.4218%				10.4218%				10.4218%				10.4218%			
51,576,372				8,420,589				767,721				1,307,198				1,000,538				16,314,107			
1,590,253				191,639				18,717				31,472				23,780				520,003			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
5,375,185.40	1,590,253.04	0.00	6,965,438.44	877,576.80	191,638.55	0.00	1,069,215.35	80,010.38	18,716.76	0.00	98,727.14	136,233.56	31,472.37	0.00	167,705.93	104,274.05	23,780.22	0.00	128,054.28	1,700,223.30	520,003.24	0.00	2,220,226.54
5,375,185.40	1,590,253.04	0.00	6,965,438.44	877,576.80	191,638.55	0.00	1,069,215.35	80,010.38	18,716.76	0.00	98,727.14	136,233.56	31,472.37	0.00	167,705.93	104,274.05	23,780.22	0.00	128,054.28	1,700,223.30	520,003.24	0.00	2,220,226.54

For Plant in Service

"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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PJM Upgrade ID: b2235				PJM Upgrade ID: b2260				PJM Upgrade ID: b1802				PJM Upgrade ID: b0555				PJM Upgrade ID: b0556				PJM Upgrade ID: b1943																											
Monocacy SS				Bartonville SS Capacitor				Mainsburg SS				Johnstown Sub Capacitor				Grover SS				Claysburg Ring Bus																											
Yes if a project under PJM OATT Schedule 12, otherwise *No*				*Yes*				*Yes*				*Yes*				*Yes*				*Yes*																											
Yes if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise *No*				*Yes*				*Yes*				*Yes*				*Yes*				*Yes*																											
Input the allowed ROE				11.70%				11.70%				11.70%				11.70%				11.70%																											
From line 3 above if *No* on line 12 and From line 7 above if *Yes* on line 12				10.4218%				10.4218%				10.4218%				10.4218%				10.4218%																											
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is *Yes* then line 7				10.4218%				10.4218%				10.4218%				10.4218%				10.4218%																											
Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.				33,586,156				613,883				30,550,923				1,238,207				816,901				6,743,126																							
reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				801,670				14,535				599,875				29,274				11,307				163,166																							
Annual Depreciation Exp from Attachment 5				801,670				14,535				599,875				29,274				11,307				163,166																							
Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue		Return		Depreciation		Reconciliation Amount		Revenue																	
3,500,281.43		801,669.67		0.00		4,301,951.10		63,977.62		14,535.01		0.00		78,512.63		3,183,955.58		599,875.20		0.00		3,783,830.78		129,043.40		29,273.53		0.00		158,316.93		85,135.78		11,306.52		0.00		96,442.30		702,754.95		163,165.51		0.00		865,920.46	
3,500,281.43		801,669.67		0.00		4,301,951.10		63,977.62		14,535.01		0.00		78,512.63		3,183,955.58		599,875.20		0.00		3,783,830.78		129,043.40		29,273.53		0.00		158,316.93		85,135.78		11,306.52		0.00		96,442.30		702,754.95		163,165.51		0.00		865,920.46	

For Plant in Service
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PJM Upgrade ID: b2364 & b2364.1				PJM Upgrade ID: b2362				PJM Upgrade ID: b2156				PJM Upgrade ID: b2546				PJM Upgrade ID: b1998			
Squab Hollow SS				Squab Hollow SVC				Shingletown Capacitor				Nyswaner				Shawville			
"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				"Yes" if a project under PJM OATT Schedule 12, otherwise "No"			
"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"			
Input the allowed ROE				Input the allowed ROE				Input the allowed ROE				Input the allowed ROE				Input the allowed ROE			
From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12			
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7			
Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.				Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.				Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.				Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.				Forecast – End of prior year net plant plus current year forecast of CWIP or Cap Adds.			
reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				reconciliation – Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.			
Annual Depreciation Exp from Attachment 5				Annual Depreciation Exp from Attachment 5				Annual Depreciation Exp from Attachment 5				Annual Depreciation Exp from Attachment 5				Annual Depreciation Exp from Attachment 5			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
1,669,204.87	489,066.70	0.00	2,158,271.57	2,708,417.54	921,955.01	0.00	3,630,372.55	155,707.06	44,123.11	0.00	199,830.17	86,224.53	19,665.84	0.00	105,890.37	207,268.46	47,002.89	0.00	254,271.35
1,669,204.87	489,066.70	0.00	2,158,271.57	2,708,417.54	921,955.01	0.00	3,630,372.55	155,707.06	44,123.11	0.00	199,830.17	86,224.53	19,665.84	0.00	105,890.37	207,268.46	47,002.89	0.00	254,271.35

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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13 amount of the investment on line 29, Otherwise "No"
14 Input the allowed ROE
15 From line 3 above if "No" on line 12 and From line 7 above if
16 "Yes" on line 12
17 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
18 then line 3, and if line 12 is "Yes" then line 7
19 Forecast – End of prior year net plant plus current year
20 forecast of CWIP or Cap Adds.
reconciliation – Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b2475	PJM Upgrade ID: b2547.1	PJM Upgrade ID: b2441	PJM Upgrade ID: b1991	PJM Upgrade ID: b2545	PJM Upgrade ID: b2261
Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS
Yes	Yes	Yes	Yes	Yes	Yes
No	No	No	No	No	No
11.70%	11.70%	11.70%	11.70%	11.70%	11.70%
10.4218%	10.4218%	10.4218%	10.4218%	10.4218%	10.4218%
10.4218%	10.4218%	10.4218%	10.4218%	10.4218%	10.4218%
103,094,885	42,453,112	39,547,854	34,928,011	65,865,579	1,821,035
2,135,853	1,252,698	1,376,476	827,948	1,854,642	43,703
Return	Return	Return	Return	Return	Return
10,744,340.86	4,424,377.65	4,121,597.58	3,640,126.85	6,864,377.70	189,784.61
Depreciation	Depreciation	Depreciation	Depreciation	Depreciation	Depreciation
2,135,852.90	1,252,697.71	1,376,476.35	827,948.03	1,854,641.72	43,703.11
Reconciliation Amount					
0.00	0.00	0.00	0.00	0.00	0.00
Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
12,880,193.76	5,677,075.36	5,498,073.93	4,468,074.88	8,719,019.42	233,487.72
10,744,340.86	4,424,377.65	4,121,597.58	3,640,126.85	6,864,377.70	189,784.61
2,135,852.90	1,252,697.71	1,376,476.35	827,948.03	1,854,641.72	43,703.11
0.00	0.00	0.00	0.00	0.00	0.00
12,880,193.76	5,677,075.36	5,498,073.93	4,468,074.88	8,719,019.42	233,487.72

18 See Calculations for each item below
19 See Calculations for each item below
20 See Calculations for each item below

For Plant in Service
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Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

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19 then line 3, and if line 12 is "Yes" then line 7
20 Forecast - End of prior year net plant plus current year
forecast of CWIP or Cap Adds
reconciliation - Average of 13 month prior year net plant
balances plus prior year 13-mo CWIP balances.
Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b2494					PJM Upgrade ID: s1041					PJM Upgrade ID: b2587					PJM Upgrade ID: b2996, b2996.1, b2996.2							
Warren Substation					Joffre Substation S1041					Piercebrook Substation					Flint Run							
Yes					Yes					Yes					Yes							
No					No					No					No							
11.70%					11.70%					11.70%					11.70%							
10.4218%					10.4218%					10.4218%					10.4218%							
10.4218%					10.4218%					10.4218%					10.4218%							
21,963,870					0					9,989,066					16,916,799							
504,122					0					219,184					163,541							
Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue		Return	Depreciation	Reconciliation Amount	Revenue	Total	Incentive Charged	Revenue Credit	
2,289,030.22	504,121.68	0.00	2,793,151.90		0.00	0.00	0.00	0.00		1,041,040.35	219,183.89	0.00	1,260,224.24		1,763,034.70	163,541.32	0.00	1,926,576.02	225,634,579.89		225,634,579.89	
2,289,030.22	504,121.68	0.00	2,793,151.90		0.00	0.00	0.00	0.00		1,041,040.35	219,183.89	0.00	1,260,224.24		1,763,034.70	163,541.32	0.00	1,926,576.02	231,466,016.65	231,466,016.65		

\$5,831,436.77
Ax A Line 148

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commerc
Revenue is equal to the "Return" ("Investment" times FCR) p
"Reconciliation Amount" is created in the reconciliation in Atta

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment 8, page 1, Table 1 and 2
Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up

TABLE 1: Summary Cost of Long Term Debt

CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE	Net Proceeds At Issuance	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z*	Weighted Outstanding Ratios	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (h) * (i)
Long Term Debt C 12/31/2021										
First Mortgage Bonds:										
(1)	3.85%, Senior Unsecured Notes	12/11/2014	\$ 550,000,000	\$ 545,247,429	\$ 548,444,816	12	\$ 548,444,816	88.00%	3.95%	3.48%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	\$ 75,000,000	\$ 74,437,647	\$ 74,800,600	12	\$ 74,800,600	12.002%	3.85%	0.46%
Total			\$ 625,000,000		\$ 623,245,416		\$ 623,245,416	100.000%		3.94%

t = time
The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.
* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).
Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).
** This Total Weighted Average Debt Cost will be shown on Line 101 of formula rate Appendix A.

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

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)
Long Term Debt Issj Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Reacquired Debt	Less Related ADIT (Attachment 1)	Net Proceeds	Net Proceeds Ratio	Coupon Rate	Annual Interest	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1)	3.85%, Senior Unsecured I NO	12/11/2014	\$ 550,000,000	\$ (418,000)	4,334,571	-	xxx	\$ 545,247,429	99.1359	0.03850	\$ 21,175,000	3.95%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	75,000,000		562,353			\$ 74,437,647	99.2502	0.0376	\$ 2,820,000	3.85%
TOTALS			\$ 625,000,000	(418,000)	\$ 4,896,924	-	xxx	\$ 619,685,076			\$ 23,995,000	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation
Effective Cost Rate of Individual Debenture (YTM at issuance): the t=0 Cashflow C₀ equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C_{1/2}, C_{3/2}, etc.).

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TrAILCo anticipates its financing will be a 7 year loan, where by TrAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TrAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TrAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
Based on following Financial Formula ² :	
$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$	

Origination Fees	
Origination Fees	7,780,954
Addition Origination Fees	15,125
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	After borrowing is at the midpoint (\$275,000)
		0.0037	

	2008	2008	2008	2008	2009	2010	2011	2012	2013	2014	2015
LIBOR Rate	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Spread											
Interest Rate	6.13%	3.86%	4.05%	4.34%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%
Bond \$450M Interest Rate						4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	\$ 450,000,000	Draw 1	DONE			3.249%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 2, 3, 4	DONE			3.247%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 5	DONE			3.251%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 6	DONE - Roll over Draw 1 and 4			3.316%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 7	DONE			3.361%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 8	DONE - Roll over Draw 2, 3 and 5			3.422%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 9	DONE			3.417%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 10	DONE			3.348%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 11	DONE - Roll over Draw 6 and 9			3.498%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 12	DONE - Roll over Draw 10			3.418%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 13	DONE - Roll over Draw 7 and 8			3.398%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 14	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 15	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 16	DONE - Roll over Draw 11			3.289%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 17	DONE			3.248%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 17A	DONE - Roll over Draw 12, 14 and 15			3.286%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 18	DONE - Roll over Draw 13 and 17			3.286%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 19	DONE				3.283%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 20	DONE - Roll over Draw 16				3.304%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 21	DONE - Roll over Draw 17A and 19				3.312%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 22	DONE - Roll over Draw 18				3.312%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 23	DONE				3.222%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 24	DONE Roll over Draw 20				3.213%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 25	DONE Roll over Draw 21, 22 and 23				3.174%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 26	DONE Roll over Draw 25				3.169%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 27	DONE - Pay off Draw 26				3.196%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 28	DONE				1.936%	6.21%			

Year	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	Interest at effective rate	Amortization of origination fees and commitment fees
		Capital Expenditures	Principle Drawn In Quarter (\$000's)	Principle Drawn To Date	Outstanding Debt Balance	Interest Expense	Origination Fees	Commitment	Net Cash Flows (D-F-G-H)		
2008											
12/24/2007	Q4	68,183,000	10,000,000	10,000,000	10,000,000		734,955.02		9,265,045	-	-
01/31/2008	Q1			10,000,000	10,000,000		31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	10,000,000		69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	10,000,000		137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	10,000,000		2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	10,000,000		9,242,502		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	10,000,000	155,047.57	125,384.16		(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	10,000,000		8,990,797		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	10,000,000		8,982,016		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	10,000,000		8,820,035		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	10,000,000	97,477.43	109,824.88		(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	10,000,000		8,674,702		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	10,000,000		8,635,005		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	10,000,000		8,626,253		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	10,000,000		8,668,760		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	8,611,650	59,689.48	7,780,953.85		47,159,357	2,251	(57,438)
8/20/2008	Q3			65,000,000	55,773,258		530.00		(530)	36,461	36,461
8/25/2008	Q3			65,000,000	55,809,189		15,125.00		(15,125)	36,485	36,485
9/3/2008	Q3			65,000,000	55,830,549		82,654.66		(82,655)	65,714	65,714
9/8/2008	Q3			65,000,000	55,813,609		1,957.50		(1,958)	36,487	36,487
9/11/2008	Q3			65,000,000	55,848,138		41,845.84		(41,846)	21,903	21,903
9/15/2008	Q3		(20,000,000)	45,000,000	55,828,196	243,199.31			(20,243,199)	29,196	(214,004)
9/25/2008	Q3			45,000,000	35,614,192		7,525.25		(7,525)	46,580	46,580
9/29/2008	Q3			45,000,000	35,653,247		98,058.08		(98,058)	18,645	18,645
9/30/2008	Q3	24,995,000		45,000,000	35,573,834		18,136.90	235,520.83	(253,658)	4,650	4,650
10/2/2008	Q4		20,000,000	65,000,000	35,324,826			78,506.96	19,921,493	9,235	9,235
10/17/2008	Q4			65,000,000	55,255,554		2,030.03		(2,030)	108,439	108,439
10/29/2008	Q4			65,000,000	55,361,963		266.90		(267)	86,901	86,901
11/19/2008	Q4			65,000,000	55,448,597		96,048.71		(96,049)	152,404	152,404

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TRAILCo anticipates its financing will be a 7 year loan, where by TRAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TRAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TRAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	7,780,954
Origination Fees	15,125
Addition Origination Fees	
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	After borrowing is at the midpoint (\$275,000)
		0.0037	

(1)	11/21/2008	Q4			65,000,000	55,504,952		730.00		(730)	14,511	14,511
	12/15/2008	Q4		25,000,000	90,000,000	55,518,734	718,999.31			24,281,001	174,431	(544,569)
	1/6/2009	Q1	42,068,000	-	90,000,000	79,974,165	-		618,333.53	(618,334)	230,297	230,297
	2/17/2009	Q1		30,000,000	120,000,000	79,586,128				30,000,000	438,097	438,097
	3/16/2009	Q1	75,475,000	40,000,000	160,000,000	110,024,225	933,987.50			39,066,013	388,964	(545,023)
	3/25/2009	Q1		-	160,000,000	149,479,202			1,100,000.00	(1,100,000)	175,942	175,942
	4/8/2009	Q2		-	160,000,000	148,555,144			549,166.67	(549,167)	272,085	272,085
	5/15/2009	Q2		50,000,000	210,000,000	148,278,062				50,000,000	718,820	718,820
	6/16/2009	Q2		40,000,000	250,000,000	198,996,882	1,405,039.11			38,594,961	834,057	(570,982)
	6/30/2009	Q2		-	250,000,000	238,425,899				-	436,686	436,686
	7/31/2009	Q3		-	250,000,000	238,862,586			453,194.44	(453,194)	969,797	969,797
	8/3/2009	Q3		30,000,000	280,000,000	239,379,188				30,000,000	93,882	93,882
	9/4/2009	Q3		50,000,000	330,000,000	269,473,071				50,000,000	1,129,444	1,129,444
	9/16/2009	Q3		-	330,000,000	320,602,515	1,596,826.11			(1,596,826)	503,245	(1,093,581)
	10/5/2009	Q4		45,000,000	375,000,000	319,508,934	207,916.06			44,792,084	794,450	586,534
	10/16/2009	Q4		-	375,000,000	365,095,468			321,250.00	(321,250)	525,294	525,294
	11/5/2009	Q4		30,000,000	405,000,000	365,299,512				30,000,000	956,176	956,176
	12/4/2009	Q4		50,000,000	455,000,000	396,255,688				50,000,000	1,504,831	1,504,831
	12/16/2009	Q4	73,715,000	-	455,000,000	447,760,519	1,374,479.16			(1,374,479)	702,843	(671,636)
	1/4/2010	Q1		-	455,000,000	447,088,883			138,489.58	(138,489)	1,111,675	1,111,675
	1/5/2010	Q1		30,000,000	485,000,000	448,062,068	892,331.11			29,107,669	58,568	(833,764)
	1/15/2010	Q1		-	485,000,000	477,228,304	440,625.00			(440,625)	624,167	183,542
	1/25/2010	Q1		(485,000,000)	-	477,411,847	423,000.00		18,489.58	(485,441,490)	624,407	201,407
	1/25/2010	Q1		450,000,000	450,000,000	(7,405,236)	4,533,000.00			445,467,000	-	-
	1/25/2010	Q1		45,000,000	495,000,000	438,061,764	5,852,578.67			39,147,421	-	-
	1/27/2010	Q1		-	495,000,000	477,209,186	6,979.59			(6,980)	124,763	124,763
	2/3/2010	Q1		-	495,000,000	477,326,969	58,000.00			(58,000)	436,922	436,922
	2/3/2010	Q1		-	495,000,000	477,705,891	5,500.00			(5,500)	-	-
	2/5/2010	Q1		-	495,000,000	477,700,391	82,116.73		2,934.74	(85,051)	124,892	124,892
	2/12/2010	Q1		20,000,000	515,000,000	477,740,231				20,000,000	437,300	437,300
	2/24/2010	Q1		-	515,000,000	498,177,531	23,770.00			(23,770)	781,982	781,982
	3/10/2010	Q1		30,000,000	545,000,000	498,935,743	90,000.00			29,910,000	913,821	913,821
	3/17/2010	Q1		-	545,000,000	529,759,564	195,720.20			(195,720)	484,916	484,916
	3/26/2010	Q1		20,000,000	565,000,000	530,048,759	17,821.04			19,982,179	623,885	623,885
	4/1/2010	Q2		-	565,000,000	550,654,823			255,416.67	(255,417)	432,008	432,008
	4/5/2010	Q2		-	565,000,000	550,831,415	123,660.90			(123,661)	288,060	288,060
	4/7/2010	Q2		-	565,000,000	550,995,814	201,250.00			(201,250)	144,054	144,054
	4/8/2010	Q2		-	565,000,000	550,938,618	224,587.75			(224,588)	72,015	72,015
	4/12/2010	Q1		30,000,000	595,000,000	550,786,045				30,000,000	288,036	288,036
	4/14/2010	Q2		-	595,000,000	581,074,082	194,134.74			(194,135)	151,918	151,918
	4/21/2010	Q2		-	595,000,000	581,031,865	18,977.41			(18,977)	531,848	531,848
	4/26/2010	Q2		(65,000,000)	530,000,000	581,544,735	369,573.75			(65,369,574)	380,177	10,603
	4/26/2010	Q2		65,000,000	595,000,000	516,555,339	55,920.56			64,944,079	-	(55,921)
	4/28/2010	Q2		-	595,000,000	581,499,418	-	2,300.79		(2,301)	152,029	152,029
	4/30/2010	Q2		-	595,000,000	581,649,147		2,156.70		(2,157)	152,068	152,068
	5/7/2010	Q2		30,000,000	625,000,000	581,799,058				30,000,000	532,550	532,550
	5/12/2010	Q2		(80,000,000)	545,000,000	612,331,608				(80,000,000)	400,304	400,304
	5/12/2010	Q2		80,000,000	625,000,000	532,731,912	160,694.44			79,839,306	-	(160,694)
	5/12/2010	Q2		-	625,000,000	612,571,218	81,275.00			(81,275)	-	(81,275)
	5/12/2010	Q2		-	625,000,000	612,489,943	170,100.00			(170,100)	-	(170,100)
	5/20/2010	Q2		-	625,000,000	612,319,843		182,500.00		(182,500)	640,599	640,599
	5/26/2010	Q2		20,000,000	645,000,000	612,777,942				20,000,000	480,746	480,746
	6/14/2010	Q2		-	645,000,000	633,258,687		150,071.58		(150,072)	1,574,581	1,574,581
	7/1/2010	Q3		-	645,000,000	634,683,197			230,764	(230,764)	1,411,820	1,411,820
	7/2/2010	Q3		-	645,000,000	635,864,253		1,168.50		(1,169)	83,116	83,116
	7/7/2010	Q3		35,000,000	680,000,000	635,946,200				35,000,000	415,741	415,741
	7/15/2010	Q3		-	680,000,000	671,361,942	8,500,000.00			(8,500,000)	702,368	(7,797,632)
	7/26/2010	Q3		(65,000,000)	615,000,000	663,564,309				(65,000,000)	954,726	954,726
	7/26/2010	Q3		(20,000,000)	595,000,000	599,519,036				(20,000,000)	-	-
	7/26/2010	Q3		115,000,000	710,000,000	579,519,036				115,000,000	-	-
	7/26/2010	Q3		-	710,000,000	694,519,036	115,798.33			(115,798)	-	(115,798)
	7/26/2010	Q2		-	710,000,000	694,403,237	544,837.22			(544,837)	-	(544,837)
	8/9/2010	Q3		(35,000,000)	675,000,000	693,858,400	107,415.00			(35,107,415)	1,270,829	1,163,414
	8/9/2010	Q3		35,000,000	710,000,000	660,021,814				35,000,000	-	-
	8/12/2010	Q3		(30,000,000)	680,000,000	695,021,814	271,680.83			(30,271,681)	272,581	900
	8/12/2010	Q3		(80,000,000)	600,000,000	665,022,714	699,608.89			(80,699,609)	-	(699,609)
	8/12/2010	Q3		110,000,000	710,000,000	584,323,106				110,000,000	-	-
	8/30/2010	Q3		-	710,000,000	694,323,106		407,816.09		(407,816)	1,635,445	1,635,445
	9/7/2010	Q3		30,000,000	740,000,000	695,550,735				30,000,000	727,674	727,674
	9/26/2010	Q3		-	740,000,000	726,278,408				-	1,805,872	1,805,872
	10/1/2010	Q4		-	740,000,000	728,084,280			162,778	(162,778)	475,975	475,975
	10/8/2010	Q4		30,000,000	770,000,000	728,397,478				30,000,000	666,739	666,739
	10/26/2010	Q4		(115,000,000)	655,000,000	759,064,217	1,028,023.33			(116,028,023)	1,787,940	759,916
	10/26/2010	Q4		115,000,000	770,000,000	644,824,133				115,000,000	-	-
	11/5/2010	Q4		30,000,000	800,000,000	759,824,133				30,000,000	993,774	993,774
	11/9/2010	Q4		(35,000,000)	765,000,000	790,817,908	305,721.11			(35,305,721)	413,562	107,841
	11/9/2010	Q4		(30,000,000)	735,000,000	755,925,749	171,937.50			(30,171,938)	-	(171,938)
	11/9/2010	Q4		(30,000,000)	705,000,000	725,753,811	86					

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TrAILCo anticipates its financing will be a 7 year loan, where by TrAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TrAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TrAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	
Origination Fees	7,780,954
Addition Origination Fees	15,125
Total Issuance Expense	<u>7,796,079</u>

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint (\$275,000)

2/9/2011	Q1	115,000,000	820,000,000	693,357,156			115,000,000	-	-
2/14/2011	Q1	(140,000,000)	680,000,000	808,357,156	1,201,215.56		(141,201,216)	528,453	(672,763)
2/14/2011	Q1	140,000,000	820,000,000	667,684,393			140,000,000	-	-
2/16/2011	Q1		820,000,000	807,684,393		3,098.63	(3,099)	211,164	211,164
4/1/2011	Q2	-	820,000,000	807,892,458			(97,778)	4,659,577	4,659,577
4/14/2011	Q2	10,000,000	830,000,000	812,454,257			10,000,000	1,381,663	1,381,663
4/26/2011	Q2	(115,000,000)	715,000,000	823,835,920	949,900.00		(115,949,900)	1,293,164	343,264
4/26/2011	Q2	115,000,000	830,000,000	709,179,184			115,000,000	-	-
5/9/2011	Q2	(115,000,000)	715,000,000	824,179,184	941,620.00		(115,941,620)	1,401,603	459,983
5/9/2011	Q2	(140,000,000)	575,000,000	709,639,166	1,081,920.00		(141,081,920)	-	(1,081,920)
5/9/2011	Q2	(10,000,000)	565,000,000	568,557,246	22,375.00		(10,022,375)	-	(22,375)
5/9/2011	Q2	235,000,000	800,000,000	558,534,871			235,000,000	-	-
5/16/2011	Q2	(235,000,000)	565,000,000	793,534,871	145,034.17		(235,145,034)	726,363	581,329
5/16/2011	Q2	235,000,000	800,000,000	559,116,200			235,000,000	-	-
5/23/2011	Q2	(235,000,000)	565,000,000	794,116,200	144,805.69		(235,144,806)	726,895	582,089
5/23/2011	Q2	50,000,000	615,000,000	559,698,289			50,000,000	-	-
5/26/2011	Q2	(115,000,000)	500,000,000	609,698,289	307,912.50	233,657	(115,541,569)	239,118	(68,795)
6/23/2011	Q2	(50,000,000)	450,000,000	494,395,838	88,994.45		(50,088,994)	1,812,670	1,723,675
6/23/2011	Q2	20,000,000	470,000,000	446,119,513			20,000,000	-	-
7/6/2011	Q3		470,000,000	466,119,513			(171,736)	792,685	792,685
7/15/2011	Q3		470,000,000	466,740,462	9,000,000		(9,000,000)	549,369	(8,450,631)
7/25/2011	Q3	(20,000,000)	450,000,000	458,289,831	34,417.78		(20,034,418)	599,398	564,980
10/18/2011	Q4		450,000,000	438,854,811			(290,417)	4,902,813	4,902,813
1/17/2012	Q1		450,000,000	443,467,207	9,000,000		(9,000,000)	5,306,145	(3,693,855)
3/2/2012	Q1		450,000,000	439,773,352		3,070.00	(3,070)	2,594,240	2,594,240
7/15/2012	Q3		450,000,000	442,364,522	9,000,000		(9,000,000)	7,874,847	(1,125,153)
1/15/2013	Q1		450,000,000	441,239,369	9,000,000		(9,000,000)	10,740,283	1,740,283
7/15/2013	Q3		450,000,000	442,979,652	9,000,000		(9,000,000)	10,604,752	1,604,752
1/15/2014	Q1		450,000,000	444,584,404	9,000,000		(9,000,000)	10,821,705	1,821,705
7/15/2014	Q3		450,000,000	446,406,108	9,000,000		(9,000,000)	10,686,780	1,686,780
1/15/2015	Q1	(450,000,000)	-	448,092,888	9,000,000		(459,000,000)	10,907,105	1,907,105
								-	-

Commitment fees for 4th quarter 2008

Attachment 2

Annual Transmission Revenue Requirements for 2022 Rate Year

May 16, 2022

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company				TrAILCo
Formula Rate -- Appendix A		Notes	FERC Form 1 Page # or Instruction	2022 Forecast
Shaded cells are input cells				
Allocators				
Wages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21.b	0
2	Total Wages Expense		p354.28.b	0
3	Less A&G Wages Expense		p354.27.b	0
4	Total Wages Less A&G Wages Expense		(Line 2 - Line 3)	0
5	Wages & Salary Allocator		(Line 1 / Line 4), if line 2 = 0, then 100%	100.0000%
Plant Allocation Factors				
6	Electric Plant in Service	(Note B)	Attachment 5	2,361,061,436
7	Total Plant In Service		(Line 6)	2,361,061,436
8	Accumulated Depreciation (Total Electric Plant)		Attachment 5	426,768,982
9	Total Accumulated Depreciation		(Line 8)	426,768,982
10	Net Plant		(Line 7 - Line 9)	1,934,292,454
11	Transmission Gross Plant		(Line 15 + Line 21)	2,361,061,436
12	Gross Plant Allocator		(Line 11 / Line 7, if line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant		(Line 11 - Line 29)	1,934,292,454
14	Net Plant Allocator		(Line 13 / Line 10, if line 10=0, enter 100%)	100.0000%
Plant Calculations				
Transmission Plant				
15	Transmission Plant In Service	(Note B)	Attachment 5	2,233,048,119
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B)	Attachment 6	6,293,437
17	Total Transmission Plant		(Line 15 + Line 16)	2,239,341,557
18	General & Intangible		Attachment 5	128,013,317
19	Total General & Intangible		(Line 18)	128,013,317
20	Wage & Salary Allocator		(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant		(Line 19 * Line 20)	128,013,317
22	Transmission Related Plant		(Line 17 + Line 21)	2,367,354,874
Accumulated Depreciation				
23	Transmission Accumulated Depreciation	(Note B)	Attachment 5	382,811,845
24	Accumulated General Depreciation		Attachment 5	17,708,871
25	Accumulated Intangible Amortization		Attachment 5	26,248,266
26	Total Accumulated General and Intangible Depreciation		(Sum Lines 24 to 25)	43,957,137
27	Wage & Salary Allocator		(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation		(Line 26 * Line 27)	43,957,137
29	Total Transmission Related Accumulated Depreciation		(Line 23 + Line 28)	426,768,982
30	Total Transmission Related Net Property, Plant & Equipment		(Line 22 - Line 29)	1,940,585,892

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
31	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1	-469,561,383
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)	-469,561,383
33	Transmission Related CWIP (Current Year 13 Month weighted average balances)	(Note B)	p216.b.43 as shown on Attachment 6	0
34	Transmission Related Land Held for Future Use	(Note C)	Attachment 5	0
Transmission Related Pre-Commercial Costs Capitalized				
35	Unamortized Capitalized Pre-Commercial Costs		Attachment 5	0
Prepayments				
36	Transmission Related Prepayments	(Note A)	Attachment 5	374,267
Materials and Supplies				
37	Undistributed Stores Expense	(Note A)	Attachment 5	0
38	Wage & Salary Allocator		(Line 5)	100.0000%
39	Total Undistributed Stores Expense Allocated to Transmission		(Line 37 * Line 38)	0
40	Transmission Materials & Supplies		Attachment 5	0
41	Transmission Related Materials & Supplies		(Line 39 + Line 40)	0
Cash Working Capital				
42	Operation & Maintenance Expense		(Line 74)	6,625,102
43	1/8th Rule		1/8	12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)	828,138
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	-468,358,979
46	Rate Base		(Line 30 + Line 45)	1,472,226,913

O&M

Transmission O&M				
47	Transmission O&M		p321.112.b	9,572,853
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	1,354,935
49	Less Account 565		p321.96.b	0
50	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note M)	PJM Data	0
51	Plus Property Under Capital Leases		p200.4.c	0
52	Transmission O&M		(Lines 47 - 48 - 49 + 50 + 51)	8,217,918
A&G Expenses				
53	Total A&G		p323.197.b	-2,947,751
54	Less Property Insurance Account 924		p323.185.b	156,235
55	Less Regulatory Commission Exp Account 928	(Note E)	p323.189.b	0
56	Less General Advertising Exp Account 930.1		p323.191.b	0
57	Less PBOP Adjustment		Attachment 5	0
58	Less EPRI Dues	(Note D)	p352 & 353	0
59	A&G Expenses		(Line 53) - Sum (Lines 54 to 58)	-3,103,986
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)	-3,103,986
Directly Assigned A&G				
62	Regulatory Commission Exp Account 928	(Note G)	Attachment 5	0
63	General Advertising Exp Account 930.1	(Note J)	Attachment 5	0
64	Subtotal - Accounts 928 and 930.1 - Transmission Related		(Line 62 + Line 63)	0
65	Property Insurance Account 924		p323.185.b	156,235
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	156,235
68	Net Plant Allocator		(Line 14)	100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)	156,235
Account 566 Miscellaneous Transmission Expense				
70	Amortization Expense on Pre-Commercial Cost	Account 566	Attachment 5	0
71	Pre-Commercial Expense	Account 566	Attachment 5	0
72	Miscellaneous Transmission Expense	Account 566	Attachment 5	1,354,935
73	Total Account 566		Sum (Lines 70 to 72)	1,354,935
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)	6,625,102

Depreciation & Amortization Expense

Depreciation Expense			
75	Transmission Depreciation Expense	Attachment 5	44,556,469
76	General Depreciation	Attachment 5	2,908,389
77	Intangible Amortization	(Note A) Attachment 5	4,570,464
78	Total	(Line 76 + Line 77)	7,478,853
79	Wage & Salary Allocator	(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization	(Line 78 * Line 79)	7,478,853
81	Total Transmission Depreciation & Amortization	(Lines 75 + 80)	52,035,323

Taxes Other than Income

82	Transmission Related Taxes Other than Income	Attachment 2	14,618,004
83	Total Taxes Other than Income	(Line 82)	14,618,004

Return / Capitalization Calculations

84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	941,613,905
86	Less Accumulated Other Comprehensive Income Account 219		p112.15.c	0
87	Less Preferred Stock		(Line 95)	0
88	Less Account 216.1		p112.12.c	0
89	Common Stock		(Line 85 - 86 - 87 - 88)	941,613,905
Capitalization				
90	Long Term Debt	(Note N)		624,863,549
91	Less Unamortized Loss on Reacquired Debt		p111.81.c	0
92	Plus Unamortized Gain on Reacquired Debt		p113.61.c	0
93	Less ADIT associated with Gain or Loss		Attachment 1	0
94	Total Long Term Debt		(Line 90 - 91 + 92 - 93)	624,863,549
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	941,613,905
97	Total Capitalization		(Sum Lines 94 to 96)	1,566,477,454
98	Debt %	Total Long Term Debt	(Note N) (Line 94 / Line 97)	39.8897%
99	Preferred %	Preferred Stock	(Note N) (Line 95 / Line 97)	0.0000%
100	Common %	Common Stock	(Note N) (Line 96 / Line 97)	60.1103%
101	Debt Cost	Total Long Term Debt		0.0394
102	Preferred Cost	Preferred Stock	(Line 84 / Line 95)	0.0000
103	Common Cost	Common Stock	(Note I) The most recent FERC approved ROE	0.1170
104	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 98 * Line 101)	0.0157
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0703
107	Rate of Return on Rate Base (ROR)		(Sum Lines 104 to 106)	0.0860
108	Investment Return = Rate Base * Rate of Return		(Line 46 * Line 107)	126,678,609

Composite Income Taxes

Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	21.00%
110	SIT=State Income Tax Rate or Composite		7.71%
111	p	(percent of federal income tax deductible for state purp Per State Tax Code	0.00%
112	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	27.09%
113	T/(1-T)		37.16%
114	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$ [Line 113 * Line 108 * (1- (Line 104 / Line 107))]	38,471,177
115	Total Income Taxes	(Line 114)	38,471,177

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,940,585,892
117	Total Adjustment to Rate Base	(Line 45)	-468,358,979
118	Rate Base	(Line 46)	1,472,226,913
119	Total Transmission O&M	(Line 74)	6,625,102
120	Total Transmission Depreciation & Amortization	(Line 81)	52,035,323
121	Taxes Other than Income	(Line 83)	14,618,004
122	Investment Return	(Line 108)	126,678,609
123	Income Taxes	(Line 115)	38,471,177

124	Gross Revenue Requirement	(Sum Lines 119 to 123)	238,428,215
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Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities

125	Transmission Plant In Service	(Line 22)	2,367,354,874
126	Excluded Transmission Facilities	(Note L) Attachment 5	0
127	Included Transmission Facilities	(Line 125 - Line 126)	2,367,354,874
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	238,428,215
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	238,428,215

Revenue Credits

131	Revenue Credits	Attachment 3	2,644,218
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132	Net Revenue Requirement	(Line 130 - Line 131)	235,783,997
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Net Plant Carrying Charge

133	Net Revenue Requirement	(Line 132)	235,783,997
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,856,529,712
135	FCR	(Line 133 / Line 134)	12.7003%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	10.3003%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	10.3003%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	1.4046%

Net Plant Carrying Charge Calculation with Incentive ROE

139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	70,634,210
140	Increased Return and Taxes	Attachment 4	177,287,518
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	247,921,728
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,856,529,712
143	FCR with Incentive ROE	(Line 141 / Line 142)	13.3540%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	10.9541%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	10.9541%

146	Net Revenue Requirement	(Line 132)	235,783,996.59
147	Reconciliation amount	Attachment 6	-12,311,715.20
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones	Attachment 7	5,753,885.53
149	Facility Credits under Section 30.9 of the PJM OATT	Attachment 5	0.00

150	Net Zonal Revenue Requirement	(Line 146 + 147 + 148 + 149)	229,226,166.93
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Network Zonal Service Rate

151	1 CP Peak	(Note K) PJM Data	N/A
152	Rate (\$/MW-Year)	(Line 150 / 151)	N/A

153	Network Service Rate (\$/MW/Year)	(Line 152)	N/A
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Notes

- A Electric portion only
- B For both the estimate and the reconciliation, Construction Work In Progress ("CWIP") and leases that are expensed as O&M (rather than amortized) are excluded.
- For the Estimate Process:**
Transmission plant in service will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
The transmission plant will agree to or be reconciled to the FERC Form 1 balance for the transmission plant.
New Transmission Plant expected to be placed in service in the current calendar year will be based on the average of 13 monthly investment costs and shown separately detailed by project on Attachment 6.
Accumulated depreciation will show the end of year balance and is linked to Attachment 5 which shows detail support by project.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- For the Reconciliation Process:**
Transmission plant in service will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes new transmission plant added to plant-in-service
Accumulated depreciation will be calculated using a 13 month average balance and will be detailed on Attachment 5. This includes accumulated depreciation associated with current year transmission plant.
CWIP will be linked to Attachment 6 which shows detail support by project (incentive and non-incentive).
- C Includes Transmission portion only and (i) only land that has an estimated in-service date within 10 years may be included and (ii) a plan for the land's use is required to be included in the filing whenever the cost of the land is proposed to be included in rates.
- D Excludes all EPRI Annual Membership Dues
- E Excludes all Regulatory Commission Expenses
- F Includes Safety related advertising included in Account 930.1
- G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- H The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. If the utility includes taxes in more than one state, it must explain in Attachment 5 the name of each state and how the blended or composite SIT was developed.
- I ROE will be established in the Commission order accepting the settlement in Docket No. ER07-562 and no change in ROE will be made absent a Section 205 or Section 206 filing at FERC.
- J Education and outreach expenses relating to transmission, for example siting or billing
- K As provided for in Section 34.1 of the PJM OATT; the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
- L Amount of transmission plant excluded from rates per Attachment 5.
- M Payments made under Schedule 12 of the PJM OATT that are not directly assessed to load in the Zone under Schedule 12 are included in Transmission O&M on Line 47. If they are booked to Acct 565, they are included on Line 50. Copies of PJM invoices will be provided upon request.
- N The capital structure will remain 50% equity and 50% debt until construction of all of the segments of the TrAIL Project is completed and the entire TrAIL Project is placed in service. The first year that these projects are in service the formula will be run based on the 50/50 capital structure and on the actual year end capital structure. The two results will be weighted based on: the number of days the last project was in service and 365 day minus the numbers of days the last project was in service divided by 365 days.
This can be illustrated using the following example:

Example:

Assume Last Project goes into service on day 260.
Hypothetical Capital Structure until the last project goes into service is 50/50.
Assume Year End actual capital structure is 60% equity and 40% debt.

Therefore: Weighted Equity = $[50\% \cdot 260 + 60\% \cdot (365 - 260)] / 365$

Trans-Allegheny Interstate Line Company
 Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

Line	Trans-Allegheny Interstate Company							
	B1 <i>Beg of Year Total</i>	B2 <i>End of Year Total</i>	B3 <i>End of Year Est. for Final Total</i>	C <i>Retail Related</i>	D <i>Only Transmission Related</i>	E <i>Plant Related</i>	F <i>Labor Related</i>	G <i>Total ADIT</i>
1 ADIT- 282 From Account Total Below	569,588,413	569,306,013	569,306,013		569,306,013	-	-	569,306,013
2 ADIT-283 From Account Total Below	85,869,051	82,311,791	82,311,791		81,239,061	-	-	81,239,061
3 ADIT-190 From Account Total Below	(239,223,146)	(182,081,741)	(182,081,741)		(180,983,691)	-	-	(180,983,691)
4 Subtotal					469,561,383	-	-	469,561,383
5 Wages & Salary Allocator							100.0000%	
6 Gross Plant Allocator						100.0000%		
7 ADIT					469,561,383	-	-	469,561,383

Enter Negative

Note: ADIT associated with Gain or Loss on Reacquired Debt is included in Column A here and included in Cost of Debt on Appendix A, Line 93.
 Amount 0 < From Acct 283, below

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns C-F and each separate ADIT item will be listed, Dissimilar items with amounts exceeding \$100,000 will be listed separately.

A	B1	B2	B3	C	D	E	F	G	
Trans-Allegheny Interstate Company									
ADIT-190	Beg of Year Balance p234.18.b	End of Year Balance p234.18.c	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Accelerated Tax Depr-FED-Norm	(7)	6	6			6			Additional tax depreciation over book
AFUDC Debt-VA-Norm-Incurred-CWIP	(1)	-	-			-			Portion of AFUDC Debt that relates to property and booked to account 189
Charitable Contribution - VA RTA	102	70	70		70				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution - WV RTA	1,582	1,648	1,648		1,648				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution Carryforward	2,131	4,559	4,559		4,559				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm	1,269,101	1,242,530	1,242,530			1,242,530			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	1,892,585	1,892,584	1,892,584			1,892,584			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	21,595	21,594	21,594			21,594			Taxable CIAC
CIAC-PA-Norm	98,596	96,435	96,435			96,435			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	71,176	71,175	71,175			71,175			Taxable CIAC
CIAC-VA-Norm	(35,004)	(34,093)	(34,093)			(34,093)			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIP	20,558	20,558	20,558			20,558			Taxable CIAC
CIAC-WV-Norm	96,259	94,259	94,259			94,259			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	157,677	157,677	157,677			157,677			Taxable CIAC
Deferral Amortization of Excess Def Income Taxes	3,923,465	3,554,796	3,554,796			3,554,796			Resulting from deferral of refund of excess ADIT due to customers
FASB 109 Gross-UP	(1,935,983)	980,373	980,373			980,373			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	143,291,694	87,317,982	87,317,982			87,317,982			Result of bonus depreciation
General Business Credit Carryforward	-	176,874	176,874			176,874			Research & Developmental/Experimental costs that for tax purposes generate a dollar for dollar tax credit
Merger Costs: D&O Insurance	566	459	459		459				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs: Licenses	26,137	21,202	21,202		21,202				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
NOL Deferred Tax Asset - LT PA	805,160	(293,499)	(293,499)			(293,499)			Result of bonus depreciation
NOL Deferred Tax Asset - LT WV	18,308,323	18,499,318	18,499,318			18,499,318			Result of bonus depreciation
Pension EDCP-SERP Payments	3,121	-	-			-			Pension related temporary difference associated with Service Company allocations
Pension/OPEB - Other Def Cr. or Dr.	2,122,361	635,490	635,490			635,490			Pension related temporary difference associated with Service Company allocations
PJM Revenue Over/Under Recovery	-	25,598	25,598			25,598			Comparison of actual to forecast revenues – non-property related
Purch Acct-LTD FMV	1,104,904	1,070,112	1,070,112		1,070,112				Reflects the adjustments and subsequent amortization of the regulatory asset associated with the adjusted debt balances resulting from the FE/AYE merger (Offset is PAA - LT Regulatory Asset Amort below in 283)
State Income Tax Deductible	1,028,829	1,630,966	1,630,966			1,630,966			Deductions related to state income taxes
Tax Interest Capitalized-Fed-Norm	27,497,168	26,910,336	26,910,336			26,910,336			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	33,030,082	33,921,585	33,921,585			33,921,585			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	389,599	381,231	381,231			381,231			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	320,872	333,706	333,706			333,706			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	663,498	657,421	657,421			657,421			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	1,077,832	1,176,735	1,176,735			1,176,735			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	466,976	456,910	456,910			456,910			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	342,323	357,278	357,278			357,278			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	2,504,328	2,455,556	2,455,556			2,455,556			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	2,643,023	2,777,479	2,777,479			2,777,479			Actual amount of tax interest capitalized
Subtotal	241,210,628	186,616,910	186,616,910	-	1,098,050	185,518,860	-	-	
Less FASB 109 included above	1,987,482	4,535,169	4,535,169	-	-	4,535,169	-	-	
Less FASB 106 included above									
Total	239,223,146	182,081,741	182,081,741	-	1,098,050	180,983,691	-	-	

Instructions for Account 190:

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

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C	D	E	F	G	
	Trans-Allegheny Interstate Company								
			End of Year Est. for						
ADIT- 282	Beg of Year Balance p274.9.b	End of Year Balance p275.9.k	Final Total	Retail Related	Gas, Prod Or Other Related Related	Only Transmission Related Related	Plant Related Related	Labor Related Related	JUSTIFICATION
A&G Expenses Capitalized	12,170,860	13,588,845	13,588,845			13,588,845			Basis difference relating to A&G expense
Accelerated Tax Depreciation	518,350,723	516,039,594	516,039,594			516,039,594			Additional tax depreciation over book
Additional State Depreciation MD	3,607,978	3,905,917	3,905,917			3,905,917			Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	9,434,048	10,151,631	10,151,631			10,151,631			Temporary difference for additional state depreciation allowed for PA tax return
Additional State Depreciation VA	4,658,902	4,971,979	4,971,979			4,971,979			Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	47,524,948	47,590,579	47,590,579			47,590,579			Temporary difference for additional state depreciation allowed for WV tax return
AFUDC Debt	4,243,691	4,563,570	4,563,570			4,563,570			Portion of AFUDC Debt that relates to property and booked to account 282
Capitalized Vertical Tree Trimming	176,700	140,628	140,628			140,628			Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cost of Removal	(2,359,564)	(2,304,123)	(2,304,123)			(2,304,123)			Temporary difference arising for removal of plant/property
FASB 109 Gross-Up	(174,611,782)	(167,035,439)	(167,035,439)			(167,035,439)			Reclass of the tax portion (gross-up) for property items included in account 282
Other Basis Differences	(30,922,724)	(32,726,582)	(32,726,582)			(32,726,582)			Other property related temporary differences
Sale of Property - Book Gain or (Loss)	(338,396)	-	-			-			
T&D Repairs	3,199,188	3,383,974	3,383,974			3,383,974			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Vegetation Management - Transmission	(157,942)	-	-			-			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	394,976,631	402,270,574	402,270,574	-	-	402,270,574	-	-	
Less FASB 109 included above	(174,611,782)	(167,035,439)	(167,035,439)	-	-	(167,035,439)	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	569,588,413	569,306,013	569,306,013	-	-	569,306,013	-	-	

Instructions for Account 282:

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

PJM TRANSMISSION OWNER

Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

A	B1	B2	B3	C	D	E	F	G	
	Trans-Allegheny Interstate Company								
ADIT-283	Beg of Year Balance p276.19.b	End of Year Balance p277.19.k	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
AFUDC Debt-FED-Norm-Reversal-CWIP	-	-	-						Portion of AFUDC debt that relates to property and booked to account 282
Charitable Contribution State & Local RTA	2,550	2,618	2,618		2,618				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm-Reversal-CWIP	1,892,595	1,892,595	1,892,595			1,892,595			Taxable CIAC
CIAC-MD-Norm	(74,075)	(72,234)	(72,234)			(72,234)			Taxable CIAC
CIAC-MD-Norm-Reversal-CWIP	21,816	21,815	21,815			21,815			Taxable CIAC
CIAC-PA-Norm-Reversal-CWIP	121,734	121,734	121,734			121,734			Taxable CIAC
CIAC-VA-Norm-Reversal-CWIP	14,552	14,553	14,553			14,553			Taxable CIAC
CIAC-WV-Norm-Reversal-CWIP	135,497	135,498	135,498			135,498			Taxable CIAC
Deferred Charge-EIB	38,386	62,188	62,188			62,188			Allocated portion of total liabilities relating to captive insurance
FASB 109 Gross-Up	24,523,772	24,468,684	24,468,684			24,468,684			Reclass of the tax portion (gross-up) for property items included in account 283
FIN 48 - R&D Credit	-	70,749	70,749			70,749			Research & Developmental/Experimental costs that for tax purposes generate a dollar for dollar tax credit
PAA - LT Regulatory Asset Amort	1,104,904	1,070,112	1,070,112		1,070,112				Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FE/AYE merger
Pensions Expense	-	90,055	90,055			90,055			Estimate based on December Reopen 1/14/2022. Will most likely reverse with 2021 Federal RTA process in Q3 2022. Pension related temporary timing difference
PJM Receivable	27,151,743	23,261,809	23,261,809			23,261,809			Comparison of actual to forecast revenues - non-property related
Post Retirement Benefits SFAS 106 Accrual	-	8,117	8,117			8,117			Estimate based on December Reopen 1/14/2022. Will most likely reverse with 2021 Federal RTA process in Q3 2022. PBOP/OPEB related temporary timing difference
SC01 Timing Allocation	256,872	258,378	258,378			258,378			Timing differences related to service company allocations
Tax Interest Capitalized-Fed-Norm-Reversal-CWIP	32,437,733	32,576,354	32,576,354			32,576,354			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Reversal-CWIP	312,079	314,226	314,226			314,226			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal-CWIP	1,044,525	1,059,701	1,059,701			1,059,701			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal-CWIP	333,724	336,051	336,051			336,051			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal-CWIP	2,575,555	2,596,271	2,596,271			2,596,271			Actual amount of tax interest capitalized
Valuation Allowance NOL WV	18,308,323	18,499,318	18,499,318			18,499,318			Valuation allowances recorded against state NOL carryforwards not expected to be realized
Year-End Additional Temp Adjustments LT	190,538	-	-			-			
Subtotal	110,392,823	106,788,592	106,788,592		1,072,730	105,715,862	-	-	
Less FASB 109 included above	24,523,772	24,468,684	24,468,684		-	24,468,684	-	-	
Less FASB 106 included above	-	8,117	8,117			8,117			
Total	85,869,051	82,311,791	82,311,791		1,072,730	81,239,061	-	-	

Instructions for Account 283:

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

Trans-Allegheny Interstate Line Company
Attachment 2 - Taxes Other Than Income Worksheet

Other Taxes	FERC Form No.1 page, line & Col	Amount	Allocator	Allocated Amount
Plant Related		Gross Plant Allocator		
1.1	2020 State Property WV	p263.31(l) 5,715,344	100.0000%	\$ 5,715,344
1.2	2021 State Property WV	p263.32(l) 5,652,524	100.0000%	5,652,524
1.3	2020 State Property PA (PURTA)	p263.17(l) 44,884	100.0000%	44,884
1.4	2019 Local Property MD	p263.6(l) (24,770)	100.0000%	(24,770)
1.5	2020 Local Property MD	p263.8(l) 768,537	100.0000%	768,537
1.6	2021 Local Property MD	p263.9(l) 840,701	100.0000%	840,701
1.7	2019 Local Property WV	p263.14(l) (582)	100.0000%	-582
1.8	2020 Local Property WV	p263.15(l) 7,400	100.0000%	7,400
1.9	2021 Local Property WV	p263.7(l) 4,070	100.0000%	4,070
2.0	2021 Local Property VA	p263.11(l) 1,563,016	100.0000%	\$ 1,563,016
2.1	2021 Local Property PA	p263.10(l) 4,051	100.0000%	4,051
3	Total Plant Related	14,575,175	100.0000%	14,575,175
Labor Related		Wages & Salary Allocator		
4	Accrued Federal FICA	p263.39(l) 42,829		
5				
6				
7				
8	Total Labor Related	42,829	100.0000%	42,829
Other Included		Gross Plant Allocator		
9			100.0000%	0
10				0
11				0
12	Total Other Included	0	100.0000%	0
13	Total Included (Lines 4 + 8 + 12)	14,618,004		14,618,004 Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded				
14	Federal Income Tax	p263.22(l) \$ (25,331,011.00)		
15	Corporate Net Income Tax MD	p263.23(l) 127,506		
16	Corporate Net Income Tax PA	p263.24(l) 2,265,578		
17	Corporate Net Income Tax VA	p263.25(l) 198,747		
18	Corporate Net Income Tax WV	p263.26(l) 5,190,837		
19	Subtotal, Excluded	-17,548,343		
20	Total, Included and Excluded (Line 13 + Line 19)	-2,930,339		
21	Total Other Taxes from p114.14.c	14,618,004		
22	Difference (Line 20 - Line 21)	-17,548,343		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they shall not be included.
- B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are 100% recovered at retail they shall not be included.
- C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
- D Other taxes except as provided for in A, B and C above, that are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service will be allocated based on the Gross Plant Allocator; provided, however, that overheads shall be treated as in footnote B above.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

Trans-Allegheny Interstate Line Company

Attachment 3 - Revenue Credit Workpaper

		Amount	FERC Form No.1 page, line & Col
Account 454 - Rent from Electric Property			
1	Rent from Electric Property - Transmission Related (Note 3)	-	Page 300 Line: 19 Column: b
2	Total Rent Revenues (Line 1)	-	
Account 456 - Other Electric Revenues (Note 1)			
3	Schedule 1A	-	
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	-	p328-330 Footnote Data Schedule Page: 328 Line: 1 Column: m
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner	2,644,218	
6	PJM Transitional Revenue Neutrality (Note 1)	-	
7	PJM Transitional Market Expansion (Note 1)	-	
8	Professional Services (Note 3)	-	
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	-	
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	-	
11	Gross Revenue Credits (Sum Lines 2-10)	2,644,218	
12	Less line 14g	-	
13	Total Revenue Credits (Line 11 - Line 12)	<u>2,644,218</u>	Input to Appendix A, Line 131
Revenue Adjustment to determine Revenue Credit			
14a	Revenues associated with lines 14b-g are to be included in lines 2-10 and total of those revenues entered here	-	
14b	Costs associated with revenues in line 14a	-	
14c	Net Revenues (14a - 14b)	-	
14d	50% Share of Net Revenues (14c / 2)	-	
14e	Costs associated with revenues in line 14a that are included in FERC accounts recovered through the formula times the allocator used to functionalize the amounts in the FERC account to the transmission service at issue.	-	
14f	Net Revenue Credit (14d + 14e)	-	
14g	Line 14a less line 14f	-	
15	Amount offset in line 4 above	-	
16	Total Account 454 and 456	2,644,218	
17	Note 1: All revenues related to transmission that are received as a transmission owner (i.e., not received as a LSE), for which the cost of the service is recovered under this formula, except as specifically provided for elsewhere in this Attachment or elsewhere in the formula will be included as a revenue credit or included in the peak on line 178 of Appendix A.		
18	Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.		
19	Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 14a - 14g, the utility must track in separate subaccounts the revenues and costs associated with each secondary use (except for the cost of the associated income taxes).		
20	Note 4: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support. For example revenues associated with distribution facilities. In addition Revenues from Schedule 12 of the PJM OATT are not included in the total above to the extent they are credited under Schedule 12 of the PJM OATT.		

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)	177,287,518	Input to Appendix A, Line 140
B	Difference between Base ROE and Incentive ROE		100	

Return Calculation

		Source Reference	
1	Rate Base	Appendix A, Line 46	1,472,226,913
2	Preferred Dividends	enter positive Appendix A, Line 84	0
Common Stock			
3	Proprietary Capital	Appendix A, Line 85	941,613,905
4	Less Accumulated Other Comprehensive Income Account 219	Appendix A, Line 86	0
5	Less Preferred Stock	Appendix A, Line 87	0
6	Less Account 216.1	Appendix A, Line 88	0
7	Common Stock	Appendix A, Line 89	941,613,905
Capitalization			
8	Long Term Debt	Appendix A, Line 90	624,863,549
9	Less Unamortized Loss on Reacquired Debt	Appendix A, Line 91	0
10	Plus Unamortized Gain on Reacquired Debt	Appendix A, Line 92	0
11	Less ADIT associated with Gain or Loss	Appendix A, Line 93	0
12	Total Long Term Debt	Appendix A, Line 94	624,863,549
13	Preferred Stock	Appendix A, Line 95	0
14	Common Stock	Appendix A, Line 96	941,613,905
15	Total Capitalization	Appendix A, Line 97	1,566,477,454
16	Debt %	Total Long Term Debt Appendix A, Line 98	39.8897%
17	Preferred %	Preferred Stock Appendix A, Line 99	0.0000%
18	Common %	Common Stock Appendix A, Line 100	60.1103%
19	Debt Cost	Total Long Term Debt Appendix A, Line 101	0.0394
20	Preferred Cost	Preferred Stock Appendix A, Line 102	0.0000
21	Common Cost	Common Stock	12.70% 0.1270
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD) (Line 16 * 19)	0.0157
23	Weighted Cost of Preferred	Preferred Stock (Line 17 * 20)	0.0000
24	Weighted Cost of Common	Common Stock (Line 18 * 21)	0.0763
25	Rate of Return on Rate Base (ROR)	(Sum Lines 22 to 24)	0.0921
26	Investment Return = Rate Base * Rate of Return	(Line 1 * Line 25)	135,528,205

Composite Income Taxes

Income Tax Rates			
27	FIT=Federal Income Tax Rate	Appendix A, Line 109	21.00%
28	SIT=State Income Tax Rate or Composite	Appendix A, Line 110	7.71%
29	p = percent of federal income tax deductible for state purposes	Appendix A, Line 111	0.00%
30	T	Appendix A, Line 112	27.09%
31	T/(1-T)	Appendix A, Line 113	37.16%
32	Income Tax Component =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	41,759,312
33	Total Income Taxes	(Line 32)	41,759,312

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Plant In Service Worksheet		Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions																
		13 Month Balance for Reconciliation		EOY Balance for Estimate														
Calculation of Transmission Plant In Service		Source		Total	Total	Black Oak	Wyle Ridge	902 Junction - Territorial Line	Potter SS	Osage/Whitely	Meadowbrook Transformer	North Shenandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans
December	p206.58.b	For 2020	2,077,276,433			48,694,342	17,760,494	1,072,946,307	2,022,554	24,537,262	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
January	company records	For 2021	2,081,880,083			48,694,809	17,760,494	1,072,938,786	2,022,554	24,537,262	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
February	company records	For 2021	2,080,914,293			48,695,344	17,760,494	1,071,947,003	2,022,554	24,537,316	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
March	company records	For 2021	2,088,852,404			48,705,385	17,760,494	1,071,898,207	2,022,554	24,538,041	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
April	company records	For 2021	2,088,732,529			48,703,897	17,755,640	1,071,898,207	2,022,554	24,565,621	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
May	company records	For 2021	2,089,142,329			48,703,897	17,755,640	1,071,898,207	2,022,554	24,566,800	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
June	company records	For 2021	2,089,362,816			48,704,007	17,755,640	1,071,872,240	2,123,044	24,567,091	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357
July	company records	For 2021	2,089,611,280			48,704,468	17,755,640	1,071,872,240	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
August	company records	For 2021	2,089,681,386			48,705,492	17,755,640	1,071,873,515	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
September	company records	For 2021	2,089,610,045			48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
October	company records	For 2021	2,089,637,382			48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
November	company records	For 2021	2,089,675,070			48,704,401	17,755,640	1,071,776,766	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
December	p207.58.g	For 2021	2,233,048,119		2,233,048,119	49,576,724	17,755,640	1,071,767,339	2,129,108	24,580,181	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,588
15	Transmission Plant In Service		2,098,263,398		2,233,048,119	48,769,351	17,757,134	1,072,018,642	2,079,463	24,563,883	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,463

Details																	
13 Month Plant Balance For reconciliation																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,297,352	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,330	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,019,430	4,942,684	438,837
7,297,346	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,306	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,018,428	4,942,684	438,837
7,297,346	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,583	28,434,749	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,579,808	657,191	14,733,595	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,582,066	657,191	14,734,423	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,585,172	657,191	14,823,412	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,590,624	657,191	14,841,035	28,431,728	1,199,446	1,781,142	12,863,994	36,258,335	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,035	657,191	14,903,899	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,592,734	657,191	14,881,157	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,879,748	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,882,152	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	14,884,300	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,016,663	4,942,684	438,837
7,297,337	15,623,981	2,067,071	832,202	5,024,474	61,591,706	657,191	19,021,573	28,431,728	1,199,446	1,781,142	12,863,994	36,258,505	3,329,830	569,408	44,017,130	4,942,684	438,837
7,297,339	15,623,982	2,067,128	832,202	5,024,478	61,586,772	657,191	15,137,618	28,432,359	1,199,446	1,781,142	12,863,994	36,258,413	3,329,830	569,408	44,017,048	4,942,684	438,837

																								Total			
Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagerstown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercebrook SS	Flint Run Substation	Total
7,527,658	56,990,614	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,821,215	2,268,540	38,181,684	32,986,519	1,135,027	936,641	112,332,359	47,713,045	46,570,662	39,115,082	74,394,777	2,081,326	24,003,975	10,438,307	-	2,077,276,432.88
7,527,658	61,432,885	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,825,980	2,268,540	38,181,684	33,134,562	1,135,027	936,641	112,347,620	47,713,045	46,571,383	39,115,082	74,395,653	2,081,326	24,003,975	10,438,307	-	2,081,880,083.14
7,527,658	61,432,788	9,675,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,834,944	2,268,540	38,181,684	33,133,994	1,135,027	936,641	112,364,971	47,713,045	46,571,383	39,115,082	74,396,529	2,081,326	24,003,975	10,438,307	-	2,080,914,292.81
7,527,658	61,890,945	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,856,460	2,268,019	38,172,921	33,126,240	1,134,766	936,426	112,355,641	47,702,094	46,566,694	39,106,105	74,390,332	2,081,038	23,998,466	10,435,912	7,798,678	2,088,852,403.56
7,527,658	61,356,349	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,875,882	2,268,019	38,172,921	33,113,805	1,134,766	936,426	112,381,737	47,702,094	46,561,253	39,106,105	74,381,208	2,081,038	23,998,466	10,436,093	7,952,868	2,088,732,529.37
7,527,658	61,359,103	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	18,904,414	2,268,019	38,172,921	33,132,554	1,134,766	936,426	112,406,386	47,702,094	46,561,253	39,106,105	74,382,084	2,081,038	23,998,466	10,436,093	8,193,834	2,089,142,329.25
7,527,658	61,215,236	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,053,558	2,268,019	38,172,921	33,140,507	1,134,766	936,426	112,428,334	47,702,094	46,561,254	39,107,198	74,382,960	2,081,038	23,998,466	10,436,093	8,279,165	2,089,362,616.27
7,527,658	61,215,378	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,074,837	2,268,019	38,172,921	33,235,626	1,134,766	936,426	112,447,181	47,702,094	46,567,200	39,107,198	74,383,836	2,081,038	24,003,165	10,437,126	8,296,407	2,089,611,279.75
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,080,483	2,268,019	38,172,921	33,233,751	1,134,766	936,426	112,467,409	47,711,168	46,567,200	39,107,198	74,384,712	2,081,038	24,003,165	10,437,126	8,350,743	2,089,681,385.82
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,089,511	2,268,019	38,172,921	33,234,275	1,134,766	936,426	112,485,645	47,711,168	46,567,200	39,107,198	74,385,588	2,081,038	24,003,165	10,437,126	8,351,014	2,089,610,044.59
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,096,904	2,268,019	38,172,921	33,234,468	1,134,766	936,426	112,500,564	47,711,168	46,567,200	39,107,198	74,386,464	2,081,038	24,003,165	10,437,126	8,352,677	2,089,637,362.03
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,729,145	1,408,503	885,549	19,096,213	2,268,019	38,172,921	33,234,132	1,134,766	936,426	112,519,435	47,711,168	46,567,200	39,107,198	74,387,340	2,081,038	24,003,165	10,437,126	8,369,386	2,089,675,069.75
7,527,658	61,215,942	9,675,164	891,272	1,490,055	692,113	18,828,676	31,311,069	1,753,875	7,730,326	1,408,503	885,549	19,121,850	2,268,019	38,172,921	33,234,132	1,134,766	936,426	112,525,641	47,711,168	46,567,200	39,107,198	74,388,216	2,081,038	24,003,165	10,437,126	146,707,901	2,233,048,119.36
7,527,658	60,982,455	9,675,164	891,272	1,490,132	692,150	18,829,673	31,312,727	1,753,968	7,729,646	1,408,564	885,549	18,979,396	2,268,140	38,174,943	33,167,274	1,134,827	936,476	112,427,871	47,708,111	46,566,238	39,108,765	74,386,900	2,081,104	24,001,906	10,437,067	16,973,282	2,098,263,398.35

1,850,236,274

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

		Link to Appendix A, line 15		Link to Appendix A, line 15	
Calculation of Distribution Plant In Service					
	Source				
December	p206.75.b	For 2020	-		
January	company records	For 2021	-		
February	company records	For 2021	-		
March	company records	For 2021	-		
April	company records	For 2021	-		
May	company records	For 2021	-		
June	company records	For 2021	-		
July	company records	For 2021	-		
August	company records	For 2021	-		
September	company records	For 2021	-		
October	company records	For 2021	-		
November	company records	For 2021	-		
December	p207.75.g	For 2021	-		
Distribution Plant In Service					
Calculation of Intangible Plant In Service					
	Source				
December	p204.5.b	For 2020	45,687,165		
December	p205.5.g	For 2021	47,747,742	47,747,742	
18	Intangible Plant In Service		46,717,454		47,747,742
		Link to Appendix A, line 18		Link to Appendix A, line 18	
Calculation of General Plant In Service					
	Source				
December	p206.99.b	For 2020	78,687,132		
December	p207.99.g	For 2021	80,265,575	80,265,575	
18	General Plant In Service		79,476,354		80,265,575
		Link to Appendix A, line 18		Link to Appendix A, line 18	
Calculation of Production Plant In Service					
	Source				
December	p204.46b	For 2020	-		
January	company records	For 2021	-		
February	company records	For 2021	-		
March	company records	For 2021	-		
April	company records	For 2021	-		
May	company records	For 2021	-		
June	company records	For 2021	-		
July	company records	For 2021	-		
August	company records	For 2021	-		
September	company records	For 2021	-		
October	company records	For 2021	-		
November	company records	For 2021	-		
December	p205.46.g	For 2021	-		
Production Plant In Service					
Total Plant In Service					
6	Sum of averages above		2,224,457,205		2,361,061,436
		Link to Appendix A, line 6		Link to Appendix A, line 6	

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Accumulated Depreciation Worksheet																						
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions																						
				13 Month Balance for Reconciliation			EOY Balance for Estimate															
Calculation of Transmission Accumulated Depreciation																						
Month	Source	For	Balance	Black Oak	Wylie Ridge	502 Junction - Territorial Line	Potter SS	Osage Whiteley	Meadowbrook Transformer	North Shenandoah	Bedington Transformers	Meadowbrook Capacitor	Kammer	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans						
December	Prior year FERC Form 1 p219.25.b	For 2020	338,667,126	17,437,457	839,983	202,685,845	276,825	4,286,473	2,080,095	403,176	1,922,870	1,600,566	9,322,555	983,137	801,357	1,491,858						
January	company records	For 2021	342,362,577	17,555,185	886,260	204,458,443	279,691	4,334,228	2,073,647	406,543	1,936,386	1,612,656	9,391,883	991,044	808,269	1,504,322						
February	company records	For 2021	346,057,063	17,672,913	936,537	206,229,805	282,556	4,381,986	2,087,198	409,910	1,949,902	1,624,746	9,461,212	998,952	815,181	1,516,786						
March	company records	For 2021	349,748,718	17,790,651	984,813	207,991,329	285,421	4,429,750	2,100,750	413,277	1,963,418	1,636,836	9,530,540	1,006,859	822,093	1,529,250						
April	company records	For 2021	353,435,316	17,908,396	1,020,044	209,788,740	288,287	4,477,547	2,114,302	416,643	1,976,935	1,648,926	9,590,090	1,014,767	829,005	1,541,715						
May	company records	For 2021	357,131,555	18,026,140	1,066,313	211,547,788	291,152	4,525,375	2,127,854	420,010	1,990,451	1,661,017	9,659,418	1,022,674	836,917	1,554,179						
June	company records	For 2021	360,830,302	18,143,884	1,116,581	213,309,545	294,088	4,573,295	2,141,406	423,377	2,003,967	1,673,107	9,728,747	1,030,582	842,829	1,566,843						
July	company records	For 2021	364,532,795	18,261,628	1,164,872	215,074,099	297,100	4,621,054	2,154,958	426,744	2,017,483	1,685,197	9,798,075	1,038,489	849,741	1,579,107						
August	company records	For 2021	368,161,601	18,375,814	1,213,187	216,767,838	300,116	4,668,911	2,168,510	430,111	2,030,999	1,697,287	9,867,403	1,046,397	856,653	1,591,571						
September	company records	For 2021	371,812,075	18,493,560	1,261,501	218,479,877	303,132	4,716,764	2,182,062	433,478	2,044,516	1,709,377	9,936,732	1,054,304	863,565	1,604,036						
October	company records	For 2021	375,330,597	18,611,305	1,309,816	220,119,785	306,149	4,764,619	2,195,613	436,844	2,058,032	1,721,468	10,006,060	1,062,212	870,477	1,616,500						
November	company records	For 2021	378,061,584	18,729,049	1,358,130	221,852,060	309,165	4,812,473	2,209,165	440,211	2,071,548	1,733,558	10,075,389	1,070,120	877,389	1,628,964						
December	p219.25.b	For 2021	382,811,845	18,847,557	1,406,444	223,632,079	312,181	4,860,295	2,222,717	443,078	2,085,064	1,745,648	10,144,717	1,078,027	884,301	1,641,428						
23	Transmission Accumulated Depreciation		360,769,473	18,142,580	1,120,652	213,225,949	294,297	4,573,283	2,141,406	423,377	2,003,967	1,673,107	9,731,755	1,030,582	842,829	1,566,843						

Details																	
13 Month Balance For Reconciliation																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
1,296,046	2,171,285	136,990	118,691	705,589	8,288,337	100,306	1,000,612	4,050,598	159,534	244,025	1,841,265	4,941,101	455,296	76,467	6,036,453	701,588	58,923
1,308,816	2,198,997	138,631	120,148	714,258	8,394,598	101,457	1,010,990	4,105,941	161,646	247,131	1,864,314	5,004,554	461,124	77,463	6,113,496	710,263	59,691
1,321,567	2,226,708	140,271	121,604	722,928	8,500,860	102,608	1,021,368	4,161,285	163,758	250,236	1,887,362	5,068,006	466,951	78,460	6,190,517	718,938	60,459
1,334,358	2,254,420	141,912	123,061	731,597	8,607,121	103,759	1,031,745	4,216,627	165,870	253,342	1,910,411	5,131,458	472,778	79,456	6,267,546	727,613	61,226
1,347,129	2,282,131	143,553	124,517	740,266	8,713,382	104,910	1,042,123	4,271,966	167,982	256,447	1,933,460	5,194,910	478,605	80,453	6,344,575	736,289	61,994
1,359,900	2,309,843	145,194	125,973	748,936	8,819,643	106,061	1,052,501	4,327,305	170,095	259,553	1,956,508	5,258,362	484,432	81,449	6,421,604	744,964	62,762
1,372,671	2,337,554	146,835	127,430	757,605	8,925,904	107,212	1,062,878	4,382,642	172,207	262,658	1,979,557	5,321,814	490,260	82,446	6,498,633	753,639	63,530
1,385,442	2,365,266	148,476	128,886	766,275	9,032,165	108,364	1,073,256	4,437,983	174,319	265,764	2,002,605	5,385,266	496,087	83,442	6,575,663	762,314	64,298
1,398,213	2,392,977	150,117	130,342	774,945	9,138,427	109,515	1,083,634	4,493,322	176,431	268,869	2,025,654	5,448,719	501,914	84,439	6,652,692	770,889	65,066
1,410,983	2,420,689	151,758	131,799	783,014	9,244,688	110,666	1,094,011	4,548,661	178,543	271,975	2,048,702	5,512,171	507,741	85,435	6,729,721	779,664	65,834
1,423,754	2,448,400	153,399	133,255	792,284	9,350,949	111,817	1,104,389	4,604,000	180,655	275,080	2,071,751	5,575,623	513,568	86,432	6,806,750	788,339	66,602
1,436,525	2,476,112	155,039	134,711	800,954	9,457,210	112,968	1,114,767	4,659,339	182,767	278,185	2,094,800	5,639,076	519,396	87,428	6,883,779	797,015	67,370
1,449,296	2,503,823	156,680	136,168	809,624	9,563,471	114,119	1,125,144	4,714,678	184,879	281,291	2,117,848	5,702,528	525,223	88,425	6,960,809	805,690	68,138
1,372,671	2,337,554	146,835	127,430	757,606	8,925,904	107,212	1,062,878	4,382,642	172,207	262,658	1,979,557	5,321,814	490,260	82,446	6,498,633	753,639	63,530

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercebrook SS	Flint Run Substation	Total
901,544	8,611,044	1,159,020	114,192	167,197	70,999	2,568,654	4,863,728	237,854	904,935	155,720	62,994	2,406,521	255,840	4,187,938	2,334,389	122,372	99,295	8,265,442	4,628,649	6,330,140	3,766,764	7,593,984	238,217	1,785,978	338,411	-	338,667,126
914,718	8,743,469	1,174,913	115,752	169,820	72,211	2,609,417	4,940,571	241,531	918,534	158,160	63,936	2,449,467	259,757	4,254,756	2,384,178	124,359	100,934	8,443,256	4,733,053	6,444,860	3,835,772	7,745,558	241,859	1,827,992	356,678	-	342,362,577
927,891	8,875,989	1,190,806	117,312	172,443	73,422	2,650,180	5,017,415	245,209	932,134	160,800	64,879	2,492,426	263,675	4,321,574	2,434,096	126,345	102,573	8,621,100	4,837,458	6,559,581	3,904,780	7,903,133	245,502	1,870,006	374,945	-	346,057,063
941,064	9,008,508	1,206,699	118,872	175,066	74,634	2,690,938	5,084,250	248,886	945,732	163,039	65,821	2,535,409	267,592	4,388,385	2,484,008	128,331	104,212	8,798,955	4,941,851	6,674,268	3,973,780	8,057,692	249,144	1,912,015	393,210	7,049	349,746,718
954,238	9,141,027	1,222,592	120,431	177,688	75,845	2,731,692	5,171,075	252,563	959,328	165,479	66,763	2,578,425	271,509	4,465,187	2,508,897	130,317	105,851	8,976,830	5,046,231	6,788,983	4,042,772	8,212,234	252,786	1,954,019	411,473	20,991	353,435,316
967,411	9,273,546	1,238,485	121,991	180,311	77,056	2,772,447	5,247,901	256,239	972,925	167,918	67,705	2,621,481	275,426	4,521,990	2,558,797	132,303	107,489	9,154,794	5,150,612	6,903,979	4,111,764	8,366,777	256,427	1,996,024	429,736	34,989	357,131,555
980,585	9,496,056	1,254,378	123,551	183,953	78,297	2,813,200	5,324,727	259,916	986,521	170,358	68,947	2,664,680	279,342	4,589,792	2,608,071	134,289	109,128	9,332,722	5,254,992	7,018,374	4,180,758	8,521,321	260,069	2,038,036	447,998	49,149	360,830,322
993,758	9,538,585	1,270,271	125,110	185,556	79,478	2,853,954	5,401,553	263,593	1,000,117	172,797	69,590	2,708,017	283,259	4,658,595	2,658,017	136,275	110,767	9,510,731	5,359,373	7,133,076	4,249,750	8,675,870	263,711	2,080,037	466,263	63,273	364,532,795
1,006,931	9,671,105	1,286,266	126,670	188,179	80,690	2,894,709	5,478,379	267,270	1,013,714	175,236	70,532	2,722,398	287,176	4,722,398	2,708,265	138,260	112,406	9,688,777	5,463,761	7,247,785	4,318,744	8,830,418	267,353	2,122,049	484,528	77,461	368,161,601
1,020,105	9,803,626	1,302,354	128,230	190,891	81,901	2,935,461	5,555,205	270,946	1,027,310	177,676	71,474	2,794,754	291,083	4,789,200	2,758,317	140,246	114,044	9,868,860	5,568,158	7,362,493	4,387,738	8,984,987	270,995	2,164,062	502,793	91,698	371,812,075
1,033,278	9,936,146	1,316,462	129,790	193,424	83,112	2,976,215	5,632,031	274,623	1,040,907	180,115	72,416	2,838,142	295,009	4,856,003	2,808,396	142,232	115,683	10,044,975	5,672,554	7,477,201	4,456,731	9,139,519	274,637	2,206,074	521,058	105,936	375,390,597
1,046,452	10,068,666	1,334,560	131,349	196,047	84,323	3,016,968	5,708,857	278,300	1,054,503	182,555	73,359	2,881,536	298,926	4,922,805	2,858,518	144,218	117,322	10,223,123	5,776,950	7,591,909	4,525,725	9,294,071	278,278	2,248,087	539,323	120,190	379,061,584
1,059,625	10,201,297	1,350,658	132,909	198,669	85,534	3,057,722	5,785,683	281,977	1,068,100	184,994	74,301	2,926,525	302,843	4,989,808	2,908,612	146,204	118,960	10,401,295	5,881,347	7,706,617	4,594,719	9,448,625	281,920	2,290,099	557,567	163,541	382,811,845
980,585	9,496,083	1,254,575	123,551	182,933	78,267	2,813,197	5,324,721	259,916	986,520	170,357	68,647	2,665,289	279,342	4,588,767	2,616,351	134,289	109,128	9,332,966	5,254,999	7,018,384	4,180,754	8,521,321	260,069	2,038,036	448,000	56,483	360,769,473

Trans-Allegheny Interstate Line

Attachment 5 - Cost Supp

				Link to Appendix A, line 23	Link to Appendix A, line 23
Calculation of Distribution Accumulated Depreciation					
Source					
December	Prior year FERC Form 1 p219.26.b	For 2020	-		
January	company records	For 2021	-		
February	company records	For 2021	-		
March	company records	For 2021	-		
April	company records	For 2021	-		
May	company records	For 2021	-		
June	company records	For 2021	-		
July	company records	For 2021	-		
August	company records	For 2021	-		
September	company records	For 2021	-		
October	company records	For 2021	-		
November	company records	For 2021	-		
December	p219.26.b	For 2021	-		
Distribution Accumulated Depreciation					
Calculation of Intangible Accumulated Depreciation					
Source					
December	Prior year FERC Form 1 p200.21.b	For 2020	21,678,378		
December	p200.21.b	For 2021	26,248,266	26,248,266	
Accumulated Intangible Depreciation				23,963,322	36,248,366
25					Link to Appendix A, line 25
Calculation of General Accumulated Depreciation					
Source					
December	Prior year FERC Form 1 p219.28b	For 2020	14,821,108		
December	p219.28.b	For 2021	17,708,871	17,708,871	
Accumulated General Depreciation				16,264,990	17,708,871
24					Link to Appendix A, line 24
Calculation of Production Accumulated Depreciation					
Source					
December	Prior year FERC Form 1 p219.20.b-24.b	For 2020	-		
January	company records	For 2021	-		
February	company records	For 2021	-		
March	company records	For 2021	-		
April	company records	For 2021	-		
May	company records	For 2021	-		
June	company records	For 2021	-		
July	company records	For 2021	-		
August	company records	For 2021	-		
September	company records	For 2021	-		
October	company records	For 2021	-		
November	company records	For 2021	-		
December	p219.20.b thru 219.24.b	For 2021	-		
Production Accumulated Depreciation				-	-
Total Accumulated Depreciation				400,997,785	426,768,982
8	Sum of averages above		Link to Appendix A, line 8		
				Link to Appendix A, line 8	8

Trans-Allegheny Interstate Line Company
Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Beg of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
Materials and Supplies						
40	Transmission Materials & Supplies	p227.8	-	-	-	
37	Undistributed Stores Expense	p227.16	-	-	-	
Allocated General Expenses						
51	Plus Property Under Capital Leases	0 p200.4.c	-	-	-	

Transmission / Non-transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	End of Year (for estimate)	Average of Beginning and Ending Balances	Details
34	Transmission Related Land Held for Future Use	Total	-	-	-	Enter Details Here
		Non-transmission Related	-	-	-	
		Transmission Related	-	-	-	

CWIP & Expensed Lease Worksheet

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	CWIP in Form 1 Amount	Expensed Lease in Form 1 Amount	Details
Plant Allocation Factors						
6	Electric Plant in Service	(Note B) Attachment 5	2,201,650,730	-	-	
Plant In Service						
15	Transmission Plant in Service	(Note B) Attachment 5	2,077,276,433	-	-	
Accumulated Depreciation						
23	Transmission Accumulated Depreciation	(Note B) Attachment 5	338,667,126	-	-	

Pre-Commercial Costs Capitalized

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			EDY for Estimate and BDY for Final	Amortization Amount (Over 4 Years)	Calculated End of Year Balance	Average of Beginning and Ending Balances (for estimate and reconciliation)	Details
35	Unamortized Capitalized Pre-Commercial Costs		\$ -	\$ -	\$ -	\$ -	

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Beg of year	EPRI Dues	Details
58	Allocated General & Common Expenses	(Note D) p352 & 353	0	0	Enter Details Here
	Less EPRI Dues				

Regulatory Expense Related to Transmission Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Transmission Related	Non-transmission Related	Details
Directly Assigned A&G						
62	Regulatory Commission Exp Account 928	(Note G) p323.189.b	-	-	-	Link to Appendix A, line 62 Enter Details Here

Safety Related Advertising Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Safety Related	Non-safety Related	Details
Directly Assigned A&G						
66	General Advertising Exp Account 930.1	(Note F) p323.191.b	-	-	-	Link to Appendix A, line 66 Enter Details Here

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

MultiState Workpaper

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		State 1	State 2	State 3	State 4	State 5	Details
110	Income Tax Rates SIT=State Income Tax Rate or Composite (Note H)	MD 8.25%	WV 6.5%	PA 9.99%	VA 6.0%		
		Composite 7.7091%	Composite is calculated based on sales, payroll and property for each jurisdiction				

Education and Out Reach Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Education & Outreach	Other	Details
63	Directly Assigned A&G General Advertising Exp Account 930.1 (Note J) p323.191.b				Enter Details Here

Excluded Plant Cost Support

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Excluded Transmission Facilities	Description of the Facilities
126	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities Step-Up Facilities (Note L)		General Description of the Facilities
	Instructions: 1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process 2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used: Example A Total investment in substation 1,000,000 B Identifiable investment in Transmission (provide workpapers) 500,000 C Identifiable investment in Distribution (provide workpapers) 400,000 D Amount to be excluded (A x (C / (B + C))) 444,444	Enter \$ Or Enter \$	
			Add more lines if necessary

Prepayments

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Req of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Related Amount	Details
36	Prepayments Prepaid Insurance	355,164	393,369	Enter \$ 374,267	100%	374,267	
	Prepaid Pensions if not included in Prepayments	-	0	0	100%	0	
	Total Prepayments	355,164	393,369	374,267		374,267	

Detail of Account 566 Miscellaneous Transmission Expenses

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Summary of Pre-Commercial Expenses																		
70	Amortization Expense on Pre-Commercial Cost	\$ -																			
71	Pre-Commercial Expense	-																			
72	Miscellaneous Transmission Expense	1,354,935																			
	Total Account 566 Miscellaneous Transmission Expenses p.321.97.b	\$ 1,354,935																			
			<table border="1"> <thead> <tr> <th>Cost Element Name</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Labor & Overhead (1)</td><td>-</td></tr> <tr><td>Miscellaneous (2)</td><td>-</td></tr> <tr><td>Outside Services Legal (3)</td><td>-</td></tr> <tr><td>Outside Services Other (4)</td><td>-</td></tr> <tr><td>Outside Services Rates (5)</td><td>-</td></tr> <tr><td>Advertising (6)</td><td>-</td></tr> <tr><td>Travel, Lodging and Meals (7)</td><td>-</td></tr> <tr><td>Total</td><td>-</td></tr> </tbody> </table> <p>(1) Labor & overhead amount includes costs allocated to preparation of the preliminary survey and investigation. (2) Miscellaneous amount includes rental of volunteer fire department facilities for open houses, Fed EX fees for various mailings from Legal, Procurement, Transmission & Finance, fees for various conference calls and PJM application fee. (3) Outside legal services includes the cost for research and preparation of the filing to determine incentive rate availability. (4) Other services other includes fees for website development, media relations services, campaign management, open houses and research services. (5) Outside services rates includes the advice of a rate consultant regarding rate design. (6) Advertising includes newspaper and other media announcements of public scoping meetings related to the proposed project. (7) Travel, lodging and meals are the direct expenses for Allegheny staff to attend the scoping meetings.</p>	Cost Element Name	Total	Labor & Overhead (1)	-	Miscellaneous (2)	-	Outside Services Legal (3)	-	Outside Services Other (4)	-	Outside Services Rates (5)	-	Advertising (6)	-	Travel, Lodging and Meals (7)	-	Total	-
Cost Element Name	Total																				
Labor & Overhead (1)	-																				
Miscellaneous (2)	-																				
Outside Services Legal (3)	-																				
Outside Services Other (4)	-																				
Outside Services Rates (5)	-																				
Advertising (6)	-																				
Travel, Lodging and Meals (7)	-																				
Total	-																				
149	Net Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT																				

Annual Depreciation Expense													
Cabot SS	Grandview Capacitor	Potter	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City
				326.16						2,667.60			
152.16	280.56		14,900.48	2,506.44	1,255.08				124,532.16		3,449.52		
153,098.90	13,533.12	35,356.00	110,621.03	329,705.52	18,435.60	17,476.20	104,036.75	1,275,059.42		267,976.42	21,895.68	37,265.52	
			96,614.37							8,427.60			35,708.88
			351,686.66							385,008.96			196,163.20
													42,710.88
153,251	13,814	35,356	573,823	332,538	19,691	17,476	104,037	1,275,059	124,532	664,081	25,345	37,266	276,583

Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor
							89,615.84	6,363.37		2,101.91		\$157,970.64				18,582.53
761,426.66	69,926.40	11,957.52	924,355.85	104,102.58	9,215.64	158,080.80	\$1,390,165.90	185,275.18	18,716.76	29,370.46	14,535.01	331,096.06	\$921,955.01	44,123.11	144,582.98	29,273.53
							80,158.20									
							30,313.10									
761,427	69,926	11,958	924,356	104,103	9,216	158,081	1,590,253	191,639	18,717	31,472	14,535	489,067	921,955	44,123	163,166	29,274

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswaner	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Flint Run	Damascus SS	Warren Substation	Piercebrook SS	Total
	115,819.69															2,593,138
	57,954.43							118,495.62	12,129.11	248,303.39	615,699.38			37,887.06		2,774,010
																-
11,306.52	115,017.29	47,002.89	801,669.67	599,875.20	23,780.22	19,665.84	63,150.95	1,134,202.09	1,364,347.24	579,644.64	1,238,942.34	134,464.23	43,703.11	466,234.62	219,183.89	19,036,894
																-
																-
																-
	36,844.53															7,448,318
	75,414.72							878,579.91					\$26,708.64			4,194,509
	118,952.58							\$1,193,122.04					\$2,368.45			8,509,601
																-
																-
																-
11,307	520,003	47,003	801,670	599,875	23,780	19,666	2,135,853	1,252,698	1,376,476	827,948	1,854,642	163,541	43,703	504,122	219,184	44,556,469

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

GENERAL PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
390	Structures & Improvements	50	R1	0	2.00	993,799
391	Office Furniture & Equipment	20	SQ	0	5.00	112,862
	Information Systems	10	SQ	0	10.00	754,482
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other	15	SQ	20	5.33	
	Autos	7	S3	20	11.43	
	Light Trucks	11.5	L4	20	6.96	
	Medium Truck	11.5	L4	20	6.96	
	Trailers	18	L1	20	4.44	
	ATV	15	SQ	20	5.33	
393	Stores Equipment	20	SQ	0	5.00	
394	Tools, Shop & Garage Equipment	20	SQ	0	5.00	
396	Power Operated Equipment	18	L1	25	4.17	
397	Communication Equipment	15	SQ	0	6.67	1,047,247
398	Miscellaneous Equipment	15	SQ	0	6.67	
Total General Plant						2,908,389
Total General Plant Depreciation Expense (must tie to p336.10.b & c)						2,908,389
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	4,570,464
Total Intangible Plant						4,570,464
Total Intangible Plant Amortization (must tie to p336.1 d & e)						4,570,464

These depreciation rates will not change absent the appropriate filing at FERC.

PBOP Expenses

1	Total PBOP expenses	22,856,433
2	Amount relating to retired personnel	8,786,372
3	Amount allocated on FTEs	14,070,061
4	Number of FTEs for Allegheny	4,408
5	Cost per FTE	3,192
6	TRAILCo FTEs (labor not capitalized) current year	0,000
7	TRAILCo PBOP Expense for base year	-
8	TRAILCo PBOP Expense in Account 926 for current year	0
57	9 PBOP Adjustment for Appendix A, Line 57	-
Lines 1-5 cannot change absent approval or acceptance by FERC in a separate proceeding.		

Trans-Allegheny Interstate Line Company

Attachment 5a - Pre-Commercial Costs and CWIP

Step 1 Totals reported below are by project with the amounts to be expensed reported separately from those to be deferred and amortized (note, deferred costs related to 2006 include AFUDC).
For Forecasting purposes, Pre-Commercial expenses will be estimated. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Step 2 For each project, where CWIP is to be recovered in rate base, CWIP will be estimated and the totals reported below by project. For the Reconciliation, for each project where CWIP is to be recovered in rate base the CWIP will be itemized by project below. Additionally, the amount of AFUDC that would have been capitalized for projects where CWIP is included in rate base will be reported in the FERC Form No. 1.

Step 3 For the Reconciliation, the total additions to plant in service for that year will be summarized by project to demonstrate no Pre-Commercial costs expensed were included in the additions to plant in service and AFUDC on projects where CWIP was recovered in rate base was included in the additions to plant in service. The Pre-commercial expenses are actual expenses incurred for the reconciliation year. Total deferred and amortized Pre-commercial costs will be the actual amount agreeing to FERC Form 1 and Attachment 5.

Column A	Column B	Column C	Column D	Column E	Column F	Column G
	Pre-Commercial Costs			CWIP		
Step 1 For Estimate:	Expensed (Estimated)	Deferred	Amount of Deferred Amortized in Year	Average of 13 Monthly Balances		
Prexy - 502 Junction 138 kV (CWIP)	-	-	-	-		
Prexy - 502 Junction 500 kV (CWIP)	-	-	-	-		
502 Junction - Territorial Line (CWIP)	-	-	-	-		
Total	-	-	-	-		
Step 3 For Reconciliation:	Pre-Commercial Costs					
	Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year	CWIP	AFUDC In CWIP	AFUDC (If CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
Prexy - 502 Junction 500 kV (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
502 Junction - Territorial Line (CWIP)						
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
...						
Total	-	-	-	-	-	-
Total Additions to Plant In Service (sum of the above for each project)			Refer to Attachment 5 - Cost Support Plant in Service Worksheet			-
Total Additions to Plant in Service reported on pages 204-207 of the Form No. 1			Refer to Attachment 5 - Cost Support Plant in Service Worksheet			-
Difference (must be zero)						-

Notes:
1 Small projects may be combined into larger projects where rate treatment is consistent. Pre-Commercial costs benefiting multiple projects will be allocated to projects based on the estimated plant in service of each project.

Allocation of Pre-Commercial Costs	Plant in Service (Estimated 2/12/2008)	Allocation
Prexy - 502 Junction 138 kV (CWIP)	94,140,000	0.10734
Prexy - 502 Junction 500 Kv (CWIP)	121,260,000	0.13827
502 Junction - Territorial Line (CWIP)	661,600,000	0.75439
Total	877,000,000	1.00000

2 Column D is the total CWIP balance including any AFUDC, Column E is the AFUDC if any in Column D, and Column F is the AFUDC that would have been in Column E if CWIP were not recovered in rate base.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Mainsburg (n service)	Piercebroke SS (n service)	Moshannon (n service)	Farmers Valley SS (n service)					
Dec (prior year CWIP) p216.b.43		(1)							
Jan 2021	Actual	148,043							
Feb	Actual	(568)							
Mar	Actual	(7,754)	(2,395)	(403)	(8,977)			(159)	(7,188)
Apr	Budget					826,829			
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget						134,337,104		
Dec	Budget						1,200		
Total		139,720	(2,395)	(403)	(8,977)	826,829	134,338,304	(159)	(7,188)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Clayburg Ring Bus (n service)	Johnstown SS Capacitor (n service)	Shawville (n service)	Monocacy SS (n service)	Yeagertown (n service)	Nyswaner (n service)			
Dec (prior year CWIP) p216.b.43									
Jan 2021	Actual								
Feb	Actual								
Mar	Actual	(1,774)	(265)	(521)	(8,763)	(260)	(215)		
Apr	Budget								
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		(1,774)	(265)	(521)	(8,763)	(260)	(215)		

New Transmission Plant Additions for Year 3 (13 month average balance)

Month End Balances									
Other Projects PIS (Monthly additions)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
	Mainsburg (n service)	Piercebroke SS (n service)	Shingletown (n service)	Farmers Valley SS (n service)	New Martinsville (n service)	Capacitor (n service)	Flint Run Substation (n service)	Barlontville (n service)	Squab Hollow SVC (n service)
Dec (prior year CWIP) p216.b.43	(1)	-	-	-	-	-	-	-	-
Jan 2021	148,042	-	-	-	-	-	-	-	-
Feb	147,474	-	-	-	-	-	-	-	-
Mar	139,720	(2,395)	(403)	(8,977)				(159)	(7,188)
Apr	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
May	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Jun	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Jul	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Aug	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Sep	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Oct	139,720	(2,395)	(403)	(8,977)	826,829			(159)	(7,188)
Nov	139,720	(2,395)	(403)	(8,977)	826,829		134,337,104	(159)	(7,188)
Dec	139,720	(2,395)	(403)	(8,977)	826,829		134,338,304	(159)	(7,188)
Total	1,692,711	(23,953)	(4,026)	(89,770)	7,441,457		268,675,408	(1,589)	(71,876)

Month End Balances									
Other Projects PIS (Monthly additions)	Clayburg Ring Bus (n service)	Johnstown SS Capacitor (n service)	Shawville (n service)	Monocacy SS (n service)	Yeagertown (n service)	Nyswaner (n service)			
Dec (prior year CWIP) p216.b.43	-	-	-	-	-	-	-	-	-
Jan 2021	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-
Mar	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Apr	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
May	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Jun	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Jul	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Aug	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Sep	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Oct	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Nov	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Dec	(1,774)	(265)	(521)	(8,763)	(260)	(215)			
Total	(17,743)	(2,654)	(5,206)	(87,628)	(2,605)	(2,149)			
	(1,364.82)	(204.19)	(400.49)	(6,740.60)	(200.37)	(165.35)			

3 April Year 2 TO adds Cap Adds and CWIP to plant in service in Formula (Appendix A, Lines 16 and 33)

4 May Year 2 Post results of Step 3 on PJM web site

Wylie Ridge (Monthly additions)	Black Oak (Monthly additions)	North Shenandoah (Monthly additions)	Meadowbrook Transformer (Monthly additions)	Bedington Transformer (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Kammer Transformers (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #4 (Monthly additions)	Cabot SS (Monthly Additions)	Hunterstown	Farmers Valley	Harvey Run	Doubs SS	Potter SS (Monthly Additions)	Osage Whiteley (Monthly Additions)	Meadowbrook SS	502 Junction - Territorial Line (Monthly additions)	
\$ 2,428,265	5,066,123.26	206,563.96	2,109,327.71	796,003.93	678,999.70	4,141,364	550,103	574,031	541,802	808,943	5,073,484	230,587	95,438	575,936	225,130	2,808,616	5,822,902	122,144,535	
502 Junction Substation	Waldo Run	Conemaugh	Bearsville	Four Mile Junction	Johnstown	Yeagertown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Oak Mound	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Grover SS Capacitor	
\$ 1,632,115.28	7,525,186.64	3,326,380.58	383,984.37	1,121,231.54	567,819.10	134,540	74,662	4,183,301	138,971	205,221	882,083	65,819	266,885	13,504,765	176,027	50,727	-	101,183	
Richwood Hill	Handsome Lake - Homer City	West Union	Rider Sub (West Milford)	Erie South	Monocacy SS	Barlontville SS Capacitor	Mainsburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Joffre Sub	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Armstrong	Farmers Valley Substation	Damascus Substation	Warren Substation	
\$ 9,152,653.82	1,480,977.50	103,624.42	2,327,988.25	5,772,551.69	4,515,403.70	82,408	3,959,296	165,810	908,886	5,958,474	2,264,521	3,812,141	209,788	111,144	1,802,446	4,689,872	245,071	2,931,343	
Total Revenue Requirement																Flint Run Substation	New Martinsville Capacitor	Piercebroke Substation	Joffre Substation S1041
\$ 243,356,791.05																2258215.713	62545.41977	1,322,573	-

8 April Year 3

Reconciliation - TO adds the difference between the Reconciliation in Step 7 and the forecast in Step 5 with interest to the result of Step 7 (this difference is also added to Step 7 in the subsequent year)

The Reconciliation in Step 8
231,466,017

The forecast in Prior Year
243,356,791

= (11,890,774) <Note: for the first rate year, divide this reconciliation amount by 12 and multiply by the number of months and fractional months the rate was in effect.

Interest on Amount of Refunds or Surcharges		0.2800%		Interest 35.19a for		Interest		Surcharge (Refund) Owed	
Interest 35.19a for March Current Yr		1/12 of Step 9		March Current Yr		Months			
Month	Yr								
Jun	Year 1	(990,898)		0.2800%	11.5	(31,907)		(1,022,805)	
Jul	Year 1	(990,898)		0.2800%	10.5	(29,132)		(1,020,030)	
Aug	Year 1	(990,898)		0.2800%	9.5	(26,358)		(1,017,256)	
Sep	Year 1	(990,898)		0.2800%	8.5	(23,583)		(1,014,481)	
Oct	Year 1	(990,898)		0.2800%	7.5	(20,809)		(1,011,707)	
Nov	Year 1	(990,898)		0.2800%	6.5	(18,034)		(1,008,932)	
Dec	Year 1	(990,898)		0.2800%	5.5	(15,260)		(1,006,158)	
Jan	Year 2	(990,898)		0.2800%	4.5	(12,485)		(1,003,383)	
Feb	Year 2	(990,898)		0.2800%	3.5	(9,711)		(1,000,609)	
Mar	Year 2	(990,898)		0.2800%	2.5	(6,936)		(997,834)	
Apr	Year 2	(990,898)		0.2800%	1.5	(4,162)		(995,060)	
May	Year 2	(990,898)		0.2800%	0.5	(1,387)		(992,285)	
Total		(11,890,774)						(12,090,539)	
Balance									
Jun	Year 2	(12,090,539)		0.2800%		(1,025,976)		(11,098,417)	
Jul	Year 2	(11,098,417)		0.2800%		(1,025,976)		(10,103,516)	
Aug	Year 2	(10,103,516)		0.2800%		(1,025,976)		(9,105,830)	
Sep	Year 2	(9,105,830)		0.2800%		(1,025,976)		(8,105,350)	
Oct	Year 2	(8,105,350)		0.2800%		(1,025,976)		(7,102,068)	
Nov	Year 2	(7,102,068)		0.2800%		(1,025,976)		(6,095,978)	
Dec	Year 2	(6,095,978)		0.2800%		(1,025,976)		(5,087,070)	
Jan	Year 3	(5,087,070)		0.2800%		(1,025,976)		(4,075,338)	
Feb	Year 3	(4,075,338)		0.2800%		(1,025,976)		(3,060,772)	
Mar	Year 3	(3,060,772)		0.2800%		(1,025,976)		(2,043,366)	
Apr	Year 3	(2,043,366)		0.2800%		(1,025,976)		(1,023,112)	
May	Year 3	(1,023,112)		0.2800%		(1,025,976)		(0)	
Total with interest						(12,311,715)			

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest
Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)
Revenue Requirement for Year 3

(12,311,715) Input to Appendix A, Line 147
\$ 241,537,882
229,226,167

Reconciliation Amount by Project																			
Total Revenue Requirement	Potter SS	Cabot SS Transformer	Doubs Transformer #4 (Monthly additions)	Doubs Transformer #3 (Monthly additions)	Doubs Transformer #2 (Monthly additions)	Kanimer Transformers (Monthly additions)	Meadow Brook SS Capacitor (Monthly additions)	Bedington Transformer (Monthly additions)	Meadowbrook Transformer (Monthly additions)	North Shenandoah (Monthly additions)	Black Oak (Monthly additions)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS	
\$ (12,311,715)	(3,860)	(39,588)	38,980	(93,761)	(26,891)	(201,824)	(33,414)	(39,063)	(1,361,128)	(10,127)	(268,998)	(119,010)	(5,908,178)	(156,773)	(88,240)	(11,149)	(4,671)	(28,177)	
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Altoona	Blairsville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor		
973,656	(2,483)	(72,520)	(3,655)	(6,802)	(10,045)	(204,724)	(18,765)	(161,406)	(42,184)	(3,221)	(247,497)	(28,104)	(43,155)	(579,564)	(53,858)	(5,071)	(4,033)		
Yeagertown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnstown Sub Capacitor	Grover SS	Claysburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill		
(6,716)	(111,577)	(221,009)	(8,616)	(181,677)	(7,758)	(4,908)	(44,486)	(110,011)	(188,203)	(10,310)	(5,440)	(13,060)	(646,682)	(291,361)	(284,194)	(229,649)	(448,985)		
Damascus SS	Warren Substation	Joffre SS	Piercebreek SS	Flint Run	New Martinsville Capacitor														
(11,993)	(143,083)	-	(64,556)	(343,380)	(64,760)														

9 May Year 3

Post results of Step 8 on PJM web site
\$ 229,226,167

10 June Year 3

Results of Step 8 go into effect
\$ 229,226,167

Trans-Allegheny Interstate Line Company
Attachment 7 - Transmission Enhancement Charge Worksheet

Revenue Requirement By Project

Fixed Charge Rate (FCR) if not a CIAC			
Formula Line			
A	137	FCR without Depreciation and Pre-Commercial Costs	10.3003%
B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial Line B less Line A	10.9541%
C			0.6538%
FCR if a CIAC			
D	138	FCR without Depreciation, Return, nor Income Taxes	1.4046%

The FCR resulting from Formula in a given year is used for that year only.
 Therefore actual revenues collected in a year do not change based on cost data for subsequent years

		PJM Upgrade ID: b0328.1 b0328.2; b0347.1; b0347.2; b0347.3; b0347.4				PJM Upgrade ID: b0216; b0226; b1166				PJM Upgrade ID: b0216					
		502 Junction - Territorial Line (CWP + Plant In Service)				Wylie Ridge Transformer (Plant In Service)				Black Oak (SVC) Dynamic Reactive Device (Plant In Service)					
10	Details	502 Junction - Territorial Line (CWP + Plant In Service)				Wylie Ridge Transformer (Plant In Service)				Black Oak (SVC) Dynamic Reactive Device (Plant In Service)					
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Yes				Yes				Yes					
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"	No				No				No					
13	Input the allowed ROE	12.70%				11.70%				12.70%					
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12	10.3003%				10.3003%				10.3003%					
15	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7	10.9541%				10.3003%				10.9541%					
16	Forecast - End of prior year net plant plus current year forecast of CWP or Cap Adds.	Investment				Investment				Investment					
17	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.	848,231,035				16,349,196				31,855,961					
	Annual Depreciation Exp from Attachment 5	21,306,084				579,504				1,413,659					
18		Invest Yr	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
19	See Calculations for each item below	2011	87,370,965.94	21,306,084.49	0.00	(5,808,177.81)	102,767,972.62	1,694,010.90	579,503.67	(119,009.83)	2,144,504.74	3,291,249.19	1,413,659.43	(268,997.65)	4,425,910.97
20	See Calculations for each item below	2011	92,915,981.66	21,306,084.49	0.00	(6,906,177.81)	109,313,988.34	1,694,010.90	579,503.67	(119,009.83)	2,144,504.74	3,485,519.00	1,413,659.43	(268,997.65)	4,634,180.79

For Plant In Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial expense on Attachment 5a for each project expensed in year and amortized in year.
 Revenue is equal to the "Return" ("Investment" times FCR) plus "Depreciation" plus "Pre-Commercial Exp" plus prior year "Reconciliation amount".
 "Reconciliation Amount" is created in the reconciliation in Attachment 6 and included in the forecasted revenue requirement.

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PJM Upgrade ID: b0323				PJM Upgrade ID: b0230				PJM Upgrade ID: b0229			
North Shenandoah Transformer (Plant In Service)				Meadowbrook Transformer (Plant In Service)				Bedington Transformer (Plant In Service)			
Yes if a project under PJM OATT Schedule 12, otherwise *No*				*Yes*				*Yes*			
Yes if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise *No*				*No*				*No*			
Input the allowed ROE				11.70%				11.70%			
From line 3 above if *No* on line 12 and From line 7 above if *Yes* on line 12				10.3003%				10.3003%			
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is *Yes* then line 7				10.3003%				10.3003%			
Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Add				1,480,324				5,884,001			
reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				40,402				162,822			
Annual Depreciation Exp from Attachment 5								5,638,473			
								162,194			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
152,477.30	40,401.96	(10,126.59)	182,752.67	616,968.00	162,822.44	(1,361,128.03)	(582,137.51)	550,777.84	162,194.28	(30,063.13)	703,909.00
152,477.30	40,401.96	(10,126.59)	182,752.67	616,968.00	162,822.44	(1,361,128.03)	(582,137.51)	550,777.84	162,194.28	(30,063.13)	703,909.00

18 See Calculations for each item below
19 See Calculations for each item below
20 See Calculations for each item below

For Plant in Service
Pre-Commercial Exp is equal to the amount of pre-commercial Revenue less equal to the *Return* (*Investment* times FCR)
Reconciliation Amount is created in the reconciliation in At

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	PJM Upgrade ID: b0559				PJM Upgrade ID: b0495				PJM Upgrade ID: b0343				PJM Upgrade ID: b0344			
	Meadowbrook Capacitor (Plant In Service)				Kammer Transformers (Plant In Service)				Doubs Replace Transformer #2				Doubs Replace Transformer #3			
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"															
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"															
13	Input the allowed ROE															
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12															
15	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 2, and if line 12 is "Yes" then line 7															
16	Forecast - End of prior year net plant plus current year forecast of CWIP or Cap Add, reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.															
17	Annual Depreciation Exp from Attachment 5															
	Yes	No	11.70%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%
	5,260,464	145,074			29,471,517	831,941			4,071,243	94,890			3,801,752	82,943		
	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
18	542,788.90	145,073.55	(33,413.97)	654,429.48	3,036,645.15	831,940.92	(201,823.74)	3,666,762.33	419,348.97	94,889.93	(26,890.94)	497,347.95	391,590.62	82,943.28	(93,769.51)	380,773.38
19	542,788.90	145,073.55	(33,413.97)	654,429.48	3,036,645.15	831,940.92	(201,823.74)	3,666,762.33	419,348.97	94,889.93	(26,890.94)	497,347.95	391,590.62	82,943.28	(93,769.51)	380,773.38
20	See Calculations for each item below															
	See Calculations for each item below															

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in At

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 11 "Yes" if a project under PJM OATT Schedule 12, otherwise
 "No"
 12 "Yes" if the customer has paid a lump sum payment in the
 amount of the investment on line 29, otherwise "No"
 13 Input the allowed ROE
 14 From line 3 above if "No" on line 12 and From line 7 above
 if "Yes" on line 12
 15 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
 then line 5, and if line 12 is "Yes" then line 7
 16 Forecast - Line 31 prior year net plant plus current year
 forecast of CWP or Cap Add.
 reconciliation - Average of 13 month prior year net plant
 balances plus prior year 13-mo CWP balances.
 17 Annual Depreciation Exp from Abchment 5

PJM Upgrade ID: b0345				PJM Upgrade ID: b0704				PJM Upgrade ID: b1941				PJM Upgrade ID: b0563			
Double Replace Transformer #4				Cabot SS - Install Autotransformer				Armetong				Farmers Valley Capacitor			
Yes				Yes				Yes				Yes			
No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	10.3003%				10.3003%				10.3003%				10.3003%		
	10.3003%				10.3003%				10.3003%				10.3003%		
	4,050,160				5,848,040				13,120,157				1,910,390		
	149,569				153,251				332,538				19,691		
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
417,177.27	149,569.17	38,980.10	605,726.54	602,363.82	153,251.06	(39,588.16)	716,026.70	1,351,411.32	332,538.12	(89,240.49)	1,595,708.96	195,775.33	19,690.68	(11,148.58)	205,317.43
417,177.27	149,569.17	38,980.10	605,726.54	602,363.82	153,251.06	(39,588.16)	716,026.70	1,351,411.32	332,538.12	(89,240.49)	1,595,708.96	195,775.33	19,690.68	(11,148.58)	205,317.43

18 See Calculations for each item below
 19 See Calculations for each item below
 20 See Calculations for each item below

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-comm
 Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in At

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	PJM Upgrade ID: b0564				PJM Upgrade ID: b1803				PJM Upgrade ID: b1243				PJM Upgrade ID: b0674, b1023, b1023.3					
	Harvey Run Capacitor				Doubs SS				Potter SS				Osage Whiskey					
10	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"																	
11	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"																	
12	Input the allowed ROE																	
13	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12																	
14	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7																	
15	Forecast - Line of prior year net plant plus current year forecast of CWIP or Cap Adds.																	
16	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.																	
17	Annual Depreciation Exp from Attachment 5																	
	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Reconciliation amount	Revenue
18	71,893.35	17,475.20	(4,671.45)	84,498.10	434,140.00	104,036.75	(28,177.45)	510,000.20	187,148	35,356	0	(3,860)	218,644.39	2,031,201	573,823	0	(156,773)	2,448,250.31
19	71,893.35	17,475.20	(4,671.45)	84,498.10	434,140.00	104,036.75	(28,177.45)	510,000.20	187,148	35,356	0	(3,860)	218,644.39	2,031,201	573,823	0	(156,773)	2,448,250.31
20	See Calculations for each item below																	

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial
 Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in A1

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	PJM Upgrade ID: b1800, b1804				PJM Upgrade ID: b1800				PJM Upgrade ID: b2433.1, b2433.2, b2433.3				PJM Upgrade ID: b1153			
	Meadowbrook SS				Huntertown				Waldo Run SS				Conemaugh			
10	*Yes* if a project under PJM OATT Schedule 12, otherwise "No"															
11	*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"															
12	Input the allowed ROE															
13	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12															
14	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7															
15	Forecast - End of prior year net plant plus current year forecast of CWP or Cap Add.															
16	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.															
17	Annual Depreciation Exp from Abtment 5															
	Yes	No	11.70%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%
	52,028,234	1,275,059			37,566,083	924,366			51,073,572	1,590,253			23,717,050	664,081		
	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
18	See Calculations for each item below															
19	5,359,047	1,275,059	973,656	7,607,762.70	3,816,878	924,366	(247,497)	4,493,734.50	5,260,715	1,590,253	(379,564)	6,271,403.92	2,442,920	664,081	(161,406)	2,945,594.54
20	5,359,047	1,275,059	973,656	7,607,762.70	3,816,878	924,366	(247,497)	4,493,734.50	5,260,715	1,590,253	(379,564)	6,271,403.92	2,442,920	664,081	(161,406)	2,945,594.54

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-commer
 Revenue is equal to the "Return" ("Investment" times FCR)
 Reconciliation Amount is created in the reconciliation in At

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	PJM Upgrade ID: b1967				PJM Upgrade ID: b1608, b1769				PJM Upgrade ID: b1945				PJM Upgrade ID: b1610			
	Blairville SS				Four Mile Jct				Johnstown SS (2nd ofr)				Yeagertown			
11	*Yes* if a project under PJM OATT Schedule 12, otherwise "No"															
12	*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"															
13	Input the allowed ROE															
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12															
15	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7															
16	Forecast - End of prior year net plant plus current year forecast of CWP or Cap Add.															
17	reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.															
17	Annual Depreciation Exp from Abtment 5															
	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
18	288,882	69,826	(18,769)	340,043.14	857,446	191,639	(53,858)	995,227.28	426,122	104,103	(28,104)	502,120.57	101,825	23,780	(6,716)	118,889.17
19	288,882	69,826	(18,769)	340,043.14	857,446	191,639	(53,858)	995,227.28	426,122	104,103	(28,104)	502,120.57	101,825	23,780	(6,716)	118,889.17
20	See Calculations for each item below															

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-commer Revenue is equal to the "Return" ("Investment" times FCR)
 Reconciliation Amount is created in the reconciliation in At

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	PJM Upgrade ID: b1990				PJM Upgrade ID: b1801				PJM Upgrade ID: b1965				PJM Upgrade ID: b1839			
	Grandview Capacitor				Altoona SVC				Luzer				Grand Point & Guilford			
11	*Yes* if a project under PJM OATT Schedule 12, otherwise "No"															
12	*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29, Otherwise "No"															
13	Input the allowed ROE															
14	From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12															
15	If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7															
16	forecast = Line of prior year net plant plus current year forecast of CWIP or Cap Add.															
17	reconciliation = Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.															
18	Annual Depreciation Exp from Attachment 5															
19	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
20	55,938	13,814	(3,655)	66,096.10	3,147,347	761,427	(204,729)	3,704,060.22	104,503	25,345	(6,802)	123,046.63	154,489	37,266	(10,045)	181,708.83
	55,938	13,814	(3,655)	66,096.10	3,147,347	761,427	(204,729)	3,704,060.22	104,503	25,345	(6,802)	123,046.63	154,489	37,266	(10,045)	181,708.83

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-commercial Revenue is equal to the "Return" ("Investment" times FCR)
 Reconciliation Amount is created in the reconciliation in At

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"Yes" if a project under PJM OATT Schedule 12, otherwise "No"
 "Yes" if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"
 Input the allowed ROE
 From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12
 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7% then line 3, and if line 12 is "Yes" then line 7
 Forecast - Unit of prior year net plant plus current year forecast of CWP or Cap Add.
 Reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWP balances.
 Annual Depreciation Exp from Abdmnt 5

See Calculations for each item below
 See Calculations for each item below

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commer
 Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in At

PJM Upgrade ID: b1964				PJM Upgrade ID: b1672				PJM Upgrade ID: b1998				PJM Upgrade ID: b1999, b2002				PJM Upgrade ID: b2342			
Moshannon				Carbon Center				Shawville				Northwood				Shuman Hill Sub			
Yes				Yes				Yes				Yes				Yes			
No	11.70%			No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	10.3003%				10.3003%				10.3003%				10.3003%				10.3003%		
	10.3003%				10.3003%				10.3003%				10.3003%				10.3003%		
	6,468,033				480,984				1,965,177				0				1,291,386		
	158,081				11,958				47,003				0				31,472		
Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
666,225	158,081	(43,155)	781,150.82	49,543	11,958	(3,221)	58,279.06	202,418	47,003	(13,060)	236,361.90	0	0	0	0.00	133,016	31,472	(8,616)	155,872.82
666,225	158,081	(43,155)	781,150.82	49,543	11,958	(3,221)	58,279.06	202,418	47,003	(13,060)	236,361.90	0	0	0	0.00	133,016	31,472	(8,616)	155,872.82

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For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commer
 Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in At

PJM Upgrade ID: b1770	PJM Upgrade ID: b2148	PJM Upgrade ID: b6556	PJM Upgrade ID: b1623.1	PJM Upgrade ID: b1941							
Buffalo Road	Pleasureville Capacitor	Grover SS Capacitor	922 Junction Substation	Handsome Lake - Homer City							
Yes	Yes	Yes	Yes	Yes							
No	No	No	No	No							
11.70%	11.70%	11.70%	11.70%	11.70%							
10.3003%	10.3003%	10.3003%	10.3003%	10.3003%							
10.3003%	10.3003%	10.3003%	10.3003%	10.3003%							
370,698	0	811,248	19,000,341	10,746,145							
9,216	0	11,307	124,532	276,583							
Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
38,183	9,216	(2,483)	44,916.96	0	0	0	0.00	83,561	11,307	(4,908)	89,959.82
38,183	9,216	(2,483)	44,916.96	0	0	0	0.00	83,561	11,307	(4,908)	89,959.82
1,967,086	124,532	(42,184)	2,039,433.63	1,106,882	276,583	(72,507)	1,310,944.74	1,967,086	124,532	(42,184)	2,039,433.63
1,967,086	124,532	(42,184)	2,039,433.63	1,106,882	276,583	(72,507)	1,310,944.74	1,967,086	124,532	(42,184)	2,039,433.63

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PJM Upgrade ID: b2343				PJM Upgrade ID: b1840				PJM Upgrade ID: b2235				PJM Upgrade ID: b2260			
West Union				Rider Sub (West Milford)				Monocacy SS				Bartonville SS Capacitor			
Yes if a project under PJM OATT Schedule 12, otherwise "No"				*Yes* if a project under PJM OATT Schedule 12, otherwise "No"				*Yes* if a project under PJM OATT Schedule 12, otherwise "No"				*Yes* if a project under PJM OATT Schedule 12, otherwise "No"			
Yes if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"				*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"				*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"				*Yes* if the customer has paid a lump sum payment in the amount of the investment on line 29. Otherwise "No"			
Input the allowed ROE				Input the allowed ROE				Input the allowed ROE				Input the allowed ROE			
From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12				From line 3 above if "No" on line 12 and From line 7 above if "Yes" on line 12			
If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7				If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%, then line 3, and if line 12 is "Yes" then line 7			
forecast of CWIP or Cap Add's reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				forecast of CWIP or Cap Add's reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				forecast of CWIP or Cap Add's reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.				forecast of CWIP or Cap Add's reconciliation - Average of 13 month prior year net plant balances plus prior year 13-mo CWIP balances.			
Annual Depreciation Exp from Abchment5				Annual Depreciation Exp from Abchment5				Annual Depreciation Exp from Abchment5				Annual Depreciation Exp from Abchment5			
Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
78,113	18,717	(5,071)	91,799.54	1,668,159	520,000	(111,577)	2,076,586.62	3,417,570	801,670	(221,009)	3,998,630.74	62,479	14,535	(4,033)	72,981.26
78,113	18,717	(5,071)	91,799.54	1,668,159	520,000	(111,577)	2,076,586.62	3,417,570	801,670	(221,009)	3,998,630.74	62,479	14,535	(4,033)	72,981.26

For Plant in Service
 Pre-Commercial Exp is equal to the amount of pre-commercial Revenue is equal to the "Return" ("Investment" times FCR)
 Reconciliation Amount is created in the reconciliation in At

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PJM Upgrade ID: b2382 & b2632.1	PJM Upgrade ID: b2156	PJM Upgrade ID: b2546	PJM Upgrade ID: b2545	PJM Upgrade ID: b2441	PJM Upgrade ID: b2547, b2547.1, b2547.2										
Squab Hollow SVC		Shingletown Capacitor		Nyswane		Richwood Hill		Erie South		Joffre Sub					
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				
No	No	No	No	No	No	No	No	No	No	No	No				
11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%	11.70%				
10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%				
10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%	10.3003%				
25,574,385	1,471,898	817,466	64,941,814	38,860,584	41,829,821	25,574,385	1,471,898	817,466	64,941,814	38,860,584	41,829,821				
921,955	44,123	19,666	1,854,642	1,376,476	1,252,698	921,955	44,123	19,666	1,854,642	1,376,476	1,252,698				
Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
2,634,230	921,955	(188,203)	3,367,882.38	151,609	44,123	(10,310)	185,422.33	84,201	19,666	(5,440)	98,427.39	6,689,181	1,854,642	(448,885)	8,094,837.00
2,634,230	921,955	(188,203)	3,367,882.38	151,609	44,123	(10,310)	185,422.33	84,201	19,666	(5,440)	98,427.39	6,689,181	1,854,642	(448,885)	8,094,837.00
4,002,744	1,376,476	(284,196)	5,095,025.98	4,308,593	1,252,698	(291,361)	5,269,920.71	4,002,744	1,376,476	(284,196)	5,095,025.98	4,308,593	1,252,698	(291,361)	5,269,920.71

For Plant in Service
Pre-Commercial Exp is equal to the amount of pre-commer
Revenue is equal to the *Return* (*Investment* times FCR)
Reconciliation Amount is created in the reconciliation in At

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10 "Yes" if a project under PJM OATT Schedule 12, otherwise
 11 "No"
 12 "Yes" if the customer has paid a lump sum payment in the
 13 amount of the investment on line 29. Otherwise "No"
 14 Input the allowed ROE
 15 From line 3 above if "No" on line 12 and From line 7 above
 16 if "Yes" on line 12
 17 If line 13 equals 12.7%, then line 4, if line 13 equals 11.7%
 then line 3, and if line 12 is "Yes" then line 7
 Forecast = Cost of prior year net plant plus current year
 forecast of CWP or Cap Ex's.
 Reconciliation = Average of 13 month prior year net plant
 balances plus prior year 13-mo CWP balances.
 Annual Depreciation Exp from Attachment 5

PJM Upgrade ID: b2475				PJM Upgrade ID: b1991				PJM Upgrade ID: b2291				PJM Upgrade ID: b2494				PJM Upgrade ID: s1041				PJM Upgrade ID: b2587				PJM Upgrade ID: b2118				PJM Upgrade ID: b2996.1, b2996.2				Total	Incentive Charged	Revenue Credit	\$5,753,685.53
Oak Mound				Farmers Valley Substation				Damascus Substation				Warren Substation				Joffra Substation S1041				Piercebrook Substation				New Martinsville Capacitor				Flint Run Substation							
Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation amount	Revenue
10,886,867	2,135,853	(646,682)	12,075,037.60	3,554,878	827,948	(229,649)	4,153,176.86	185,314	43,703	(11,959)	217,023.75	2,236,504	504,122	(143,083)	2,597,542.08	0	0	0	0.00	1,017,619	219,184	(64,556)	1,172,246.41	0	0	(64,760)	(64,759.57)	15,367,680	163,541	(343,380)	15,187,841.15	223,472,281.39		223,472,281.39	
10,886,867	2,135,853	(646,682)	12,075,037.60	3,554,878	827,948	(229,649)	4,153,176.86	185,314	43,703	(11,959)	217,023.75	2,236,504	504,122	(143,083)	2,597,542.08	0	0	0	0.00	1,017,619	219,184	(64,556)	1,172,246.41	0	0	(64,760)	(64,759.57)	15,367,680	163,541	(343,380)	15,187,841.15	223,226,166.93	229,226,166.93		

18 See Calculations for each item below
 19 See Calculations for each item below
 20 See Calculations for each item below

For Plant in Service
 "Pre-Commercial Exp" is equal to the amount of pre-commercial
 Revenue is equal to the "Return" ("Investment" times FCR)
 "Reconciliation Amount" is created in the reconciliation in At

Ax A Line 148

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment 8, page 1, Table 1 and 2
Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up

TABLE 1: Summary Cost of Long Term Debt

CALCULATION OF COST OF DEBT

YEAR ENDED 12/31/2021

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
t=N	Issue Date	Maturity Date	ORIGINAL ISSUANCE	Net Proceeds At Issuance	Net Amount Outstanding at t=N	Months Outstanding at t=N	Average Net Outstanding in Year* z*	Weighted Outstanding Ratios	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (h) * (j)
Long Term Debt € 12/31/2021										
First Mortgage Bonds:										
(1)	3.85%, Senior Unsecured Notes	12/11/2014	\$ 550,000,000	\$ 545,247,429	\$ 548,444,816	12	\$ 548,444,816	88.00%	3.95%	3.48%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	\$ 75,000,000	\$ 74,437,647	\$ 74,800,600	12	\$ 74,800,600	12.002%	3.85%	0.46%
Total			\$ 625,000,000		\$ 623,245,416		\$ 623,245,416	100.000%		3.94%

t = time
The current portion of long term debt is included in the Net Amount Outstanding at t = N in these calculations.
The outstanding amount (column (e)) for debt retired during the year is the outstanding amount at the last month it was outstanding.
* z = Average of monthly balances for months outstanding during the year (average of the balances for the 12 months of the year, with zero in months that the issuance is not outstanding in a month).
Interim (individual debenture) debt cost calculations shall be taken to four decimals in percentages (7.2300%, 5.2582%); Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (7.03%).
** This Total Weighted Average Debt Cost will be shown on Line 101 of formula rate Appendix A.

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

YEAR ENDED 12/31/2021

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)
Long Term Debt Issj Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Reacquired Debt	Less Related ADIT (Attachment 1)	Net Proceeds	Net Proceeds Ratio	Coupon Rate	Annual Interest	Effective Cost Rate* (Yield to Maturity at Issuance, t = 0)
(1)	3.85%, Senior Unsecured I NO	12/11/2014	\$ 550,000,000	\$ (418,000)	4,334,571	-	xxx	\$ 545,247,429	99.1359	0.03850	\$ 21,175,000	3.95%
(2)	3.76%, Senior Unsecured Notes	10/16/2015	75,000,000		562,353			\$ 74,437,647	99.2502	0.0376	\$ 2,820,000	3.85%
TOTALS			\$ 625,000,000	(418,000)	\$ 4,896,924	-	xxx	\$ 619,685,076			\$ 23,995,000	

* YTM at issuance calculated from an acceptable bond table or from YTM = Internal Rate of Return (IRR) calculation
Effective Cost Rate of Individual Debenture (YTM at issuance): the t=0 Cashflow C₀ equals Net Proceeds column (gg); Semi-annual (or other) interest cashflows (C_{1/2}, C_{3/2}, etc.).

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TrAILCo anticipates its financing will be a 7 year loan, where by TrAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TrAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TrAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
Based on following Financial Formula ² :	
$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$	

Origination Fees	
Origination Fees	7,780,954
Addition Origination Fees	15,125
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	After borrowing is at the midpoint (\$275,000)
		0.0037	

	2008	2008	2008	2008	2009	2010	2011	2012	2013	2014	2015
LIBOR Rate	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Spread											
Interest Rate	6.13%	3.86%	4.05%	4.34%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%	2.12%
Bond \$450M Interest Rate						4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	\$ 450,000,000	Draw 1	DONE			3.249%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 2, 3, 4	DONE			3.247%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 5	DONE			3.251%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 6	DONE - Roll over Draw 1 and 4			3.316%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 7	DONE			3.361%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 8	DONE - Roll over Draw 2, 3 and 5			3.422%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 9	DONE			3.417%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 10	DONE			3.348%	4.50%	6.21%			
Revolver Interest Rate	\$ 350,000,000	Draw 11	DONE - Roll over Draw 6 and 9			3.498%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 12	DONE - Roll over Draw 10			3.418%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 13	DONE - Roll over Draw 7 and 8			3.398%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 14	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 15	DONE			3.275%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 16	DONE - Roll over Draw 11			3.289%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 17	DONE			3.248%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 17A	DONE - Roll over Draw 12, 14 and 15			3.286%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 18	DONE - Roll over Draw 13 and 17			3.286%	4.50%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 19	DONE				3.283%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 20	DONE - Roll over Draw 16				3.304%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 21	DONE - Roll over Draw 17A and 19				3.312%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 22	DONE - Roll over Draw 18				3.312%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 23	DONE				3.222%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 24	DONE Roll over Draw 20				3.213%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 25	DONE Roll over Draw 21, 22 and 23				3.174%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 26	DONE Roll over Draw 25				3.169%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 27	DONE - Pay off Draw 26				3.196%	6.21%			
Revolver Interest Rate	\$ 450,000,000	Draw 28	DONE				1.936%	6.21%			

Year	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	Interest at effective rate	Amortization of origination fees and commitment fees
		Capital Expenditures	Principle Drawn In Quarter (\$000's)	Principle Drawn To Date	Outstanding Debt Balance	Interest Expense	Origination Fees	Commitment	Net Cash Flows (D-F-G-H)		
2008											
12/24/2007	Q4	68,183,000	10,000,000	10,000,000	10,000,000		734,955.02		9,265,045	-	-
01/31/2008	Q1			10,000,000	10,000,000		31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	10,000,000		69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	10,000,000		137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	10,000,000		2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	10,000,000		9,242,502		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	10,000,000	155,047.57	8,990,797		(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	10,000,000		17,011.00		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	10,000,000		8,982,016		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	10,000,000		8,820,035		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	10,000,000	97,477.43	8,732,141		(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	10,000,000		8,674,702		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	10,000,000		8,635,005		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	10,000,000		8,626,253		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	10,000,000		8,668,760		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	65,000,000	59,689.48	8,611,650	7,780,953.85	47,159,357	2,251	(57,438)
8/20/2008	Q3			65,000,000	65,000,000		55,773,258	530.00	(530)	36,461	36,461
8/25/2008	Q3			65,000,000	65,000,000		55,809,189	15,125.00	(15,125)	36,485	36,485
9/3/2008	Q3			65,000,000	65,000,000		55,830,549	82,654.66	(82,655)	65,714	65,714
9/8/2008	Q3			65,000,000	65,000,000		55,813,609	1,957.50	(1,958)	36,487	36,487
9/11/2008	Q3			65,000,000	65,000,000		55,848,138	41,845.84	(41,846)	21,903	21,903
9/15/2008	Q3		(20,000,000)	45,000,000	55,828,196	243,199.31	35,614,192		(20,243,199)	29,196	(214,004)
9/25/2008	Q3			45,000,000	45,000,000		35,614,192	7,525.25	(7,525)	46,580	46,580
9/29/2008	Q3			45,000,000	35,653,247		35,653,247	98,058.08	(98,058)	18,645	18,645
9/30/2008	Q3	24,995,000		45,000,000	35,573,834		35,573,834	18,136.90	(253,658)	4,650	4,650
10/2/2008	Q4		20,000,000	65,000,000	35,324,826		35,324,826		19,921,493	9,235	9,235
10/17/2008	Q4			65,000,000	55,255,554		55,255,554	2,030.03	(2,030)	108,439	108,439
10/29/2008	Q4			65,000,000	55,361,963		55,361,963	266.90	(267)	86,901	86,901
11/19/2008	Q4			65,000,000	55,448,597		55,448,597	96,048.71	(96,049)	152,404	152,404

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TRAILCo anticipates its financing will be a 7 year loan, where by TRAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TRAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TRAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	7,780,954
Origination Fees	15,125
Addition Origination Fees	
Total Issuance Expense	7,796,079

Revolving Credit Commitment Fee	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	After borrowing is at the midpoint (\$275,000)
		0.0037	

(1)	11/21/2008	Q4			65,000,000	55,504,952		730.00		(730)	14,511	14,511
	12/15/2008	Q4		25,000,000	90,000,000	55,518,734		718,999.31		24,281,001	174,431	(544,569)
	1/6/2009	Q1	42,068,000	-	90,000,000	79,974,165			618,333.53	(618,334)	230,297	230,297
	2/17/2009	Q1		30,000,000	120,000,000	79,586,128				30,000,000	438,097	438,097
	3/16/2009	Q1	75,475,000	40,000,000	160,000,000	110,024,225		933,987.50		39,066,013	388,964	(545,023)
	3/25/2009	Q1		-	160,000,000	149,479,202			1,100,000.00	(1,100,000)	175,942	175,942
	4/8/2009	Q2		-	160,000,000	148,555,144			549,166.67	(549,167)	272,085	272,085
	5/15/2009	Q2		50,000,000	210,000,000	148,278,062				50,000,000	718,820	718,820
	6/16/2009	Q2		40,000,000	250,000,000	198,996,882		1,405,039.11		38,594,961	834,057	(570,982)
	6/30/2009	Q2		-	250,000,000	238,425,899				-	436,686	436,686
	7/31/2009	Q3		-	250,000,000	238,862,586			453,194.44	(453,194)	969,797	969,797
	8/3/2009	Q3		30,000,000	280,000,000	239,379,188				30,000,000	93,882	93,882
	9/4/2009	Q3		50,000,000	330,000,000	269,473,071				50,000,000	1,129,444	1,129,444
	9/16/2009	Q3		-	330,000,000	320,602,515		1,596,826.11		(1,596,826)	503,245	(1,093,581)
	10/5/2009	Q4		45,000,000	375,000,000	319,508,934		207,916.06		44,792,084	794,450	586,534
	10/16/2009	Q4		-	375,000,000	365,095,468			321,250.00	(321,250)	525,294	525,294
	11/5/2009	Q4		30,000,000	405,000,000	365,299,512				30,000,000	956,176	956,176
	12/4/2009	Q4		50,000,000	455,000,000	396,255,688				50,000,000	1,504,831	1,504,831
	12/16/2009	Q4	73,715,000	-	455,000,000	447,760,519		1,374,479.16		(1,374,479)	702,843	(671,636)
	1/4/2010	Q1		-	455,000,000	447,088,883			138,489.58	(138,489)	1,111,675	1,111,675
	1/5/2010	Q1		30,000,000	485,000,000	448,062,068		892,331.11		29,107,669	58,568	(833,764)
	1/15/2010	Q1		-	485,000,000	477,228,304				(440,625)	624,167	183,542
	1/25/2010	Q1		(485,000,000)	-	477,411,847		423,000.00	18,489.58	(485,441,490)	624,407	201,407
	1/25/2010	Q1		450,000,000	450,000,000	(7,405,236)		4,533,000.00		445,467,000	-	-
	1/25/2010	Q1		45,000,000	495,000,000	438,061,764		5,852,578.67		39,147,421	-	-
	1/27/2010	Q1		-	495,000,000	477,209,186		6,979.59		(6,980)	124,763	124,763
	2/3/2010	Q1		-	495,000,000	477,326,969		58,000.00		(58,000)	436,922	436,922
	2/3/2010	Q1		-	495,000,000	477,705,891		5,500.00		(5,500)	-	-
	2/5/2010	Q1		-	495,000,000	477,700,391		82,116.73	2,934.74	(85,051)	124,892	124,892
	2/12/2010	Q1		20,000,000	515,000,000	477,740,231				20,000,000	437,300	437,300
	2/24/2010	Q1		-	515,000,000	498,177,531			23,770.00	(23,770)	781,982	781,982
	3/10/2010	Q1		30,000,000	545,000,000	498,935,743			90,000.00	29,910,000	913,821	913,821
	3/17/2010	Q1		-	545,000,000	529,759,564			195,720.20	(195,720)	484,916	484,916
	3/26/2010	Q1		20,000,000	565,000,000	530,048,759			17,821.04	19,982,179	623,885	623,885
	4/1/2010	Q2		-	565,000,000	550,654,823			255,416.67	(255,417)	432,008	432,008
	4/5/2010	Q2		-	565,000,000	550,831,415			123,660.90	(123,661)	288,060	288,060
	4/7/2010	Q2		-	565,000,000	550,995,814			201,250.00	(201,250)	144,054	144,054
	4/8/2010	Q2		-	565,000,000	550,938,618			224,587.75	(224,588)	72,015	72,015
	4/12/2010	Q1		30,000,000	595,000,000	550,786,045				30,000,000	288,036	288,036
	4/14/2010	Q2		-	595,000,000	581,074,082			194,134.74	(194,135)	151,918	151,918
	4/21/2010	Q2		-	595,000,000	581,031,865			18,977.41	(18,977)	531,848	531,848
	4/26/2010	Q2		(65,000,000)	530,000,000	581,544,735		369,573.75		(65,369,574)	380,177	10,603
	4/26/2010	Q2		65,000,000	595,000,000	516,555,339		55,920.56		64,944,079	-	(55,921)
	4/28/2010	Q2		-	595,000,000	581,499,418			2,300.79	(2,301)	152,029	152,029
	4/30/2010	Q2		-	595,000,000	581,649,147			2,156.70	(2,157)	152,068	152,068
	5/7/2010	Q2		30,000,000	625,000,000	581,799,058				30,000,000	532,550	532,550
	5/12/2010	Q2		(80,000,000)	545,000,000	612,331,608				(80,000,000)	400,304	400,304
	5/12/2010	Q2		80,000,000	625,000,000	532,731,912		160,694.44		79,839,306	-	(160,694)
	5/12/2010	Q2		-	625,000,000	612,571,218		81,275.00		(81,275)	-	(81,275)
	5/12/2010	Q2		-	625,000,000	612,489,943		170,100.00		(170,100)	-	(170,100)
	5/20/2010	Q2		-	625,000,000	612,319,843			182,500.00	(182,500)	640,599	640,599
	5/26/2010	Q2		20,000,000	645,000,000	612,777,942				20,000,000	480,746	480,746
	6/14/2010	Q2		-	645,000,000	633,258,687			150,071.58	(150,072)	1,574,581	1,574,581
	7/1/2010	Q3		-	645,000,000	634,683,197			230,764	(230,764)	1,411,820	1,411,820
	7/2/2010	Q3		-	645,000,000	635,864,253			1,168.50	(1,169)	83,116	83,116
	7/7/2010	Q3		35,000,000	680,000,000	635,946,200				35,000,000	415,741	415,741
	7/15/2010	Q3		-	680,000,000	671,361,942		8,500,000.00		(8,500,000)	702,368	(7,797,632)
	7/26/2010	Q3		(65,000,000)	615,000,000	663,564,309				(65,000,000)	954,726	954,726
	7/26/2010	Q3		(20,000,000)	595,000,000	599,519,036				(20,000,000)	-	-
	7/26/2010	Q3		115,000,000	710,000,000	579,519,036				115,000,000	-	-
	7/26/2010	Q3		-	710,000,000	694,519,036		115,798.33		(115,798)	-	(115,798)
	7/26/2010	Q2		-	710,000,000	694,403,237		544,837.22		(544,837)	-	(544,837)
	8/9/2010	Q3		(35,000,000)	675,000,000	693,858,400		107,415.00		(35,107,415)	1,270,829	1,163,414
	8/9/2010	Q3		35,000,000	710,000,000	660,021,814				35,000,000	-	-
	8/12/2010	Q3		(30,000,000)	680,000,000	695,021,814		271,680.83		(30,271,681)	272,581	900
	8/12/2010	Q3		(80,000,000)	600,000,000	665,022,714		699,608.89		(80,699,609)	-	(699,609)
	8/12/2010	Q3		110,000,000	710,000,000	584,323,106				110,000,000	-	-
	8/30/2010	Q3		-	710,000,000	694,323,106			407,816.09	(407,816)	1,635,445	1,635,445
	9/7/2010	Q3		30,000,000	740,000,000	695,550,735				30,000,000	727,674	727,674
	9/26/2010	Q3		-	740,000,000	726,278,408				-	1,805,872	1,805,872
	10/1/2010	Q4		-	740,000,000	728,084,280			162,778	(162,778)	475,975	475,975
	10/8/2010	Q4		30,000,000	770,000,000	728,397,478				30,000,000	666,739	666,739
	10/26/2010	Q4		(115,000,000)	655,000,000	759,064,217		1,028,023.33		(116,028,023)	1,787,940	759,916
	10/26/2010	Q4		115,000,000	770,000,000	644,824,133				115,000,000	-	-
	11/5/2010	Q4		30,000,000	800,000,000	759,824,133				30,000,000	993,774	993,774
	11/9/2010	Q4		(35,000,000)	765,000,000	790,817,908		305,721.11		(35,305,721)	413,562	107,841
	11/9/2010	Q4		(30,000,000)	735,000,000	755,925,749		171,937.50		(30,171,938)	-	(171,938)
	11/9/2010	Q4		(30,000,000)	705,000,000	725,753,811		86,853.33</				

Trans-Allegheny Interstate Line Company

Attachment 9 - Financing Costs for Long Term Debt using the Internal Rate of Return Methodology

TrAILCo anticipates its financing will be a 7 year loan, where by TrAILCo pays Origination Fees of \$5.2 million and a Commitments Fee of 0.3% on the undrawn principle. Consistent with GAAP, TrAILCo will amortize the Origination Fees and Commitments Fees using the standard Internal Rate of Return formula below. Each year, TrAILCo will true up the amounts withdrawn, the interest paid in the year, Origination Fees, Commitments Fees, and total loan amount on this attachment.

Total Loan Amount	\$ 900,000,000
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Internal Rate of Return ¹	4.886348%
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Based on following Financial Formula²:

$$NPV = 0 = \sum_{t=1}^N C_t / (1 + IRR)^{pwr(t)}$$

Origination Fees	
Origination Fees	7,780,954
Addition Origination Fees	15,125
Total Issuance Expense	<u>7,796,079</u>

	New Borrowing	Old Borrowing	
Revolving Credit Commitment Fee	0.005	0.0050	
Revolving Credit Commitment Fee		0.0037	After borrowing is at the midpoint (\$275,000)

Date	Period	Principal	Interest	Commitment Fee	Origination Fee	Net Cash Flow	Outstanding Balance	Interest	Commitment Fee	Origination Fee	Net Cash Flow
2/9/2011	Q1	115,000,000	820,000,000	693,357,156		115,000,000					-
2/14/2011	Q1	(140,000,000)	680,000,000	808,357,156	1,201,215.56	(141,201,216)					528,453
2/14/2011	Q1	140,000,000	820,000,000	667,684,393		140,000,000					(672,763)
2/16/2011	Q1		820,000,000	807,684,393							-
4/1/2011	Q2	-	820,000,000	807,892,458	3,098.63	(97,777.78)					211,164
4/14/2011	Q2	10,000,000	830,000,000	812,454,257		10,000,000					4,659,577
4/26/2011	Q2	(115,000,000)	715,000,000	823,835,920	949,900.00	(115,949,900)					1,381,663
4/26/2011	Q2	115,000,000	830,000,000	709,179,184		115,000,000					1,293,164
5/9/2011	Q2	(115,000,000)	715,000,000	824,179,184	941,620.00	(115,941,620)					459,983
5/9/2011	Q2	(140,000,000)	575,000,000	709,639,166	1,081,920.00	(141,081,920)					(1,081,920)
5/9/2011	Q2	(10,000,000)	565,000,000	568,557,246	22,375.00	(10,022,375)					(22,375)
5/9/2011	Q2	235,000,000	800,000,000	558,534,871		235,000,000					-
5/16/2011	Q2	(235,000,000)	565,000,000	793,534,871	145,034.17	(235,145,034)					726,363
5/16/2011	Q2	235,000,000	800,000,000	559,116,200		235,000,000					-
5/23/2011	Q2	(235,000,000)	565,000,000	794,116,200	144,805.69	(235,144,806)					726,895
5/23/2011	Q2	50,000,000	615,000,000	559,698,289		50,000,000					-
5/26/2011	Q2	(115,000,000)	500,000,000	609,698,289	307,912.50	(115,541,569)					239,118
6/23/2011	Q2	(50,000,000)	450,000,000	494,395,838	88,994.45	(50,088,994)					(68,795)
6/23/2011	Q2	20,000,000	470,000,000	446,119,513		20,000,000					1,812,670
7/6/2011	Q3		470,000,000	466,119,513		(171,736.11)					-
7/15/2011	Q3		470,000,000	466,740,462	9,000,000	(9,000,000)					792,685
7/25/2011	Q3	(20,000,000)	450,000,000	458,289,831	34,417.78	(20,034,418)					549,369
10/18/2011	Q4		450,000,000	438,854,811		(290,417)					(8,450,631)
1/17/2012	Q1		450,000,000	443,467,207	9,000,000	(9,000,000)					599,398
3/2/2012	Q1		450,000,000	439,773,352		(3,070)					4,902,813
7/15/2012	Q3		450,000,000	442,364,522	9,000,000	(9,000,000)					4,902,813
1/15/2013	Q1		450,000,000	441,239,369	9,000,000	(9,000,000)					5,306,145
7/15/2013	Q3		450,000,000	442,979,652	9,000,000	(9,000,000)					(3,693,855)
1/15/2014	Q1		450,000,000	444,584,404	9,000,000	(9,000,000)					2,594,240
7/15/2014	Q3		450,000,000	446,406,108	9,000,000	(9,000,000)					2,594,240
1/15/2015	Q1	(450,000,000)	-	448,092,888	9,000,000	(459,000,000)					(1,125,153)
											7,874,847
											(9,000,000)
											10,740,283
											(9,000,000)
											10,604,752
											(9,000,000)
											10,821,705
											(9,000,000)
											10,686,780
											(9,000,000)
											10,907,105
											-
											-

Commitment fees for 4th quarter 2008

Attachment 3

Accounting of Transfers Between CWIP and Plant In Service

May 16, 2022

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2021 Reconciliation of Transmission Revenue Requirement Formula Rate

Work Order ID	Work Order Number	FERC Account 101/106 Sub-Account	Project / Description	Amount	Date of Transfer from CWIP to Plant in Service
TrAIL Projects					
502 Junction to Territorial Line					
13412255	478229242	35022, 35400, 35610, 35500, 35620	Line Construction 2	18,616.60	February 1, 2021
13418596	478437863	35022, 35400, 35500, 35610, 35620	Line Construction 1	3,000.00	January 1, 2021
15920252	3432441748	35300	502 Junction SS-Repl 2 SEL-1102	(23,118.07)	September 1, 2020
	3511014894	35610	Loudoun-Meadow Brook 500 kV-FAA Ligh	(4,746.84)	January 1, 2021
	3511014894	35610	Loudoun-Meadow Brook 500 kV-FAA Ligh	(613,738.54)	February 1, 2021
16568908			Total	(618,485.38)	
	3511014853	35610	Meadow Brook Mount Storm 500 kV-FAA	(4,547.45)	January 1, 2021
	3511014853	35610	Meadow Brook Mount Storm 500 kV-FAA	(172,072.67)	February 1, 2021
16568910			Total	(176,620.12)	
	3511014868	35610	Meadow Brook Mount Storm 500 kV-FAA	(1,734.39)	January 1, 2021
	3511014868	35610	Meadow Brook Mount Storm 500 kV-FAA	(224,587.87)	February 1, 2021
16568926			Total	(226,322.26)	
16620587	3517790565	35610	Loudoun-Meadow Brook 500 kV (535)-up	513.95	January 1, 2021
16620594	3517790675	35610	Meadow Brook Mount Storm 500 kV (529)	(6.73)	January 1, 2021
16754142	3532293565	35300	502 JCT-Repl Control DeviseMaster D	(9,619.07)	September 1, 2020
16909154	3550420585	35610, 35620	TrAIL Work Order Unitization	(640.59)	March 1, 2020
	666167888	36520	Accounting Work Order	(411,878.65)	August 1, 2021
	666167888	36520	Accounting Work Order	(1,274.83)	September 1, 2021
TRAL0001			Total	(413,153.48)	
			Total 502 Junction to Territorial Line	(1,445,835.15)	
Other Projects					
	511281437	35210, 35300	Mansfield-Everts Dr-Build new 345/1	(1,101.41)	February 1, 2021
	511281437	35300	Mansfield-Everts Dr-Build new 345/2	18,749.00	May 1, 2021
	511281437	35300	Mansfield-Everts Dr-Build new 345/3	94,289.65	July 1, 2021
13302963			Total	111,937.24	
13356601	506387055	35300	Altoona Sub - Instal 250 MVAR SVC	169.93	July 1, 2021
	477989701	35500, 3610, 35620	Osage-Whiteley(WP) - 8.5mi new 138k	27,312.21	April 1, 2021
	477989701	35500, 3610, 35621	Osage-Whiteley(WP) - 8.5mi new 138k	1,015.64	May 1, 2021
	477989701	35500, 3610, 35622	Osage-Whiteley(WP) - 8.5mi new 138k	290.18	June 1, 2021
13395935			Total	28,618.03	
	47798703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	54.00	February 1, 2021
	47798703	35500, 35611	Osage-Whiteley(MP) - 5.8 mi new 139	725.46	March 1, 2021
	47798703	35500, 35612	Osage-Whiteley(MP) - 5.8 mi new 140	267.74	April 1, 2021
	47798703	35500, 35613	Osage-Whiteley(MP) - 5.8 mi new 141	163.62	May 1, 2021
	47798703	35500, 35614	Osage-Whiteley(MP) - 5.8 mi new 142	148.74	July 1, 2021
13395937			Total	1,359.56	
13432501	485228654	35300	Potter 115 kV (WP)-Install two 12.5	100,489.51	June 1, 2021
13547208	523690351	35220, 35300	Pierce Brook Sub: Install 345/230 kV	1,093.00	June 1, 2021
13575877	500926008	35300	Doubs SS - Install #4 Cap	230.75	July 1, 2021
14097794	536139128	35210, 35300	SS - Claysburg 115 kV Ring Bus - RT	1,180.09	December 1, 2021
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	720.74	January 1, 2021
	540699748	35210, 35220, 35301	Erie South: Install +250/-100 MVAR	558.78	April 1, 2021
	540699748	35210, 35220, 35302	Erie South: Install +250/-100 MVAR	10.35	June 1, 2021
14197715		35210, 35220, 35303	Erie South: Install +250/-100 MVAR	5,936.80	July 1, 2021
			Total	7,226.67	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	January 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	February 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	March 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	April 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	May 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	June 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	July 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	August 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	September 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	October 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	November 1, 2021
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	December 1, 2021
14276743			Total	10,512.00	
14435971		35300		638.20	July 1, 2021

	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	15,260.98	January 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	17,350.45	February 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	15,832.09	March 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	26,695.37	April 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	24,648.77	May 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	21,948.70	June 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	18,208.04	July 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	20,228.33	August 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	18,235.67	September 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	14,919.69	October 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	18,870.51	November 1, 2021
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	6,206.70	December 1, 2021
14464108			Total	218,405.30	
14490072	696302028	35210, 35220, 35300	Warren: Install 4 breaker 230Kv	4,698.80	July 1, 2021
14528199	711507286	35220, 35300	Joffre Substation - Construct 138kv	9,074.00	August 1, 2021
14744354	774109402	35300	502 Junction-Repl Arresters on Bank	(21,586.52)	August 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	212.65	March 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	2,257.70	April 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	3,106.25	May 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	5,451.69	June 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	410.97	July 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	1,698.41	August 1, 2021
	819168369	35300	Meadow Brook-Inst MPLS Router	(1,027.98)	September 1, 2021
15045134			Total	12,109.69	
	819169432	35300	502 Junction-Inst MPLS Router	837.37	April 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	(86,289.17)	June 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	(1,577.26)	July 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	1,027.44	August 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	1,325.50	September 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	2,107.19	October 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	2,086.13	November 1, 2021
	819169432	35300	502 Junction-Inst MPLS Router	1,141.74	December 1, 2021
15045170			Total	(79,341.06)	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	467.19	January 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	534.83	February 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	10,471.24	March 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	(1,488.41)	April 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	110.00	June 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	460.66	July 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	1,024.27	August 1, 2021
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	(1,090.78)	September 1, 2021
15435857			Total	10,489.00	
	3375029227	35300	Mainesburg-Remote end for Z1-069	473.21	February 1, 2021
	3375029227	35300	Mainesburg-Remote end for Z1-070	(223.39)	March 1, 2021
15454982			Total	249.82	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	4,764.84	January 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	8,964.32	February 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	25,819.92	March 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	19,422.37	April 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	28,531.72	May 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	149,143.78	June 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	21,279.50	July 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	5,646.23	August 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	9,028.11	September 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	7,292.38	October 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	(590.92)	November 1, 2021
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	5,936.67	December 1, 2021
15504855			Total	285,238.92	
	3497808854	35300	Hunterstown SVC: Security SALTO	(1,002.06)	January 1, 2021
	3497808854	35300	Hunterstown SVC: Security SALTO	(1,765.04)	February 1, 2021
	3497808854	35300	Hunterstown SVC: Security SALTO	466.89	December 1, 2021
15711074			Total	(2,300.21)	
15801970	3417152395	35300	Flint Run SS - New 500/138 kV	100,341,004.52	December 1, 2021
15802094	3417152442	35300	Flint Run SS - New MPLS and SCADA	129713.7	December 1, 2021
15802349	3417165054	35300	Harrison SS- Repl Belmont Relaying	689,720.80	December 1, 2021
15802372	3417168029	35500, 35610	Flint Run-Waldo Run 138 kV (No 2)	15,589,632.22	December 1, 2021
15802375	3417168005	35500, 35610	Flint Run-Waldo Run 138kV (No 1)	16,043,509.02	December 1, 2021
15802407	15802407	35300	Belmont SS-Repl Harrison Relaying	568,269.73	December 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	7,798,677.53	March 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	154,190.33	April 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	240,965.97	May 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	85,330.99	June 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	17,242.36	July 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	54,335.33	August 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	271.69	September 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	1,662.36	October 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	16,709.46	November 1, 2021
	3417165128	35300	Waldo Run SS-add 138 kV 3 brk string	5,609.22	December 1, 2021
15802428			Total	8,374,995.24	

	3419116492	35300	Equip Investigate/Repair Miscella	107,010.27	January 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	102.76	February 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	258,382.25	March 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	(333,695.26)	April 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	2,753.70	May 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	(143,866.67)	June 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	141.16	July 1, 2021
	3419116492	35300	Equip Investigate/Repair Miscella	564.62	August 1, 2021
15815914			Total	(108,607.17)	
15820442	3575627183	35300	502 Jct SS - coax cable replacement	10,463.85	December 1, 2021
15880949	3428057841	35300	Mainsburg SS - Install MPLS	148,042.83	January 1, 2021
	3432441758	35300	502 Junction SS-GE-D 60 Line Rely	(14,594.07)	June 1, 2021
15920253	3432441758	35300	502 Junction SS-GE-D 60 Line Rely	1,233.29	July 1, 2021
			Total	(13,360.78)	
15922758	3432749643	35300	Wylie Ridge SS-Repl SAM-900	(4,854.34)	April 1, 2021
15922761	3432749693	35300	Cabot SS-Repl SEL-1102	(6.14)	January 1, 2021
	3449461233	35300	Conemaugh SS-Operational Meter Brk	(24.22)	January 1, 2021
	3449461233	35300	Conemaugh SS-Operational Meter Brk	443.11	February 1, 2021
	3449461233	35300	Conemaugh SS-Operational Meter Brk	(2,811.05)	March 1, 2021
15956976			Total	(2,392.16)	
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	119.84	February 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(12,434.81)	April 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	7,952.93	June 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	829.16	July 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(1,874.33)	August 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	523.96	September 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	192.52	October 1, 2021
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(335.25)	November 1, 2021
16052739			Total	(5,025.98)	
	3512410697	35300	Penelec - Spare Breaker	180.77	April 1, 2021
16095556	3512410697	35300	Penelec - Spare Breaker	1,032.98	July 1, 2021
			Total	1,213.75	
16105399	3452358036	35011	Real Est-Acquire New Flint Run 500k	2,318,096.10	December 1, 2021
16105456	3452358055	35022	Flint Run-Waldo Run 138Kv No. 1	2,652,959.39	December 1, 2021
16397760	3490446328	35300	Black Oak SVC - Instll Security RADA	872,322.83	December 1, 2021
16573287	3511789632	35300	502 JCT- On line Equipment Monitorin	158,026.42	December 1, 2021
16689099	3573012992	35300	RIDER- Wiring chanfes & inst MPLS	19,700.05	December 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	88,989.21	May 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	104,998.59	June 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	13,815.24	July 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	(2,182.54)	August 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	(2,735.11)	September 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	297.30	October 1, 2021
	3532293565	35300	502 JCT-Repl Control DeviseMaster D	61.79	November 1, 2021
16754142			Total	203,244.48	
	3550420585	, 35210, 35200, 35300, 35400, 35500,	TrAIL Work Order Unitization	(121,055.69)	March 1, 2021
16909154	3550420585	35300	TrAIL Work Order Unitization	13,508.29	June 1, 2021
			Total	(107,547.40)	
17038573	3569139077	35300	502 Junction-Failure-Rpl Bank 2 TR	3,967,640.69	December 1, 2021
TR-910000-AFUDC-2	484898220	35210, 35300	107 Carryover	75,658.69	July 1, 2021
TR-910000-NOAFUDC	484898221	35210, 35300	107 Carryover	(7,260.18)	July 1, 2021
			Total Other Projects	152,615,652.88	
			Total Additions	151,169,817.73	