

May 17, 2021

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
2021 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 2021 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 2020 Rate Year³ (Attachment 1), (ii) the annual transmission revenue requirements for the 2021 Rate Year to become effective on June 1, 2021 (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) (2020). 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 as filed with the Commission in Docket No. ER10-2710 on September 17, 2010, Attachment H-18B, Sections 1(b) and 1(c), as amended in Docket No. ER11-2801 (effective September 17, 2010).

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

Honorable Kimberly D. Bose
May 17, 2021
Page 3

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

P. Nikhil Rao
Senior Corporate Counsel
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308
(330) 384-2422
pnrao@firstenergycorp.com

Roger D. Ruch
Director, Transmission Rates & Regulatory
Affairs
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308
(330) 384-5130
ruchr@firstenergycorp.com

Richard P. Sparling
Bradley R. Miliauskas
Davis Wright Tremaine LLP
1301 K Street, NW
Suite 500 East
Washington, DC 20005
(202) 973-4200
ricksparling@dwt.com
bradleymiliauskas@dwt.com

⁶ TrAILCo requests waiver of 18 C.F.R. § 385.203(b)(3) (2021) to the extent necessary to include more than two names on the official service list.

Honorable Kimberly D. Bose
May 17, 2021
Page 4

IV. Conclusion

Please contact the undersigned with any questions regarding this matter.

Respectfully submitted,

P. Nikhil Rao	<u>/s/ Richard P. Sparling</u>
Senior Corporate Counsel	Richard P. Sparling
FirstEnergy Service Company	Bradley R. Miliauskas
76 South Main Street	Davis Wright Tremaine LLP
Akron, OH 44308	1301 K Street, NW
(330) 384-2422	Suite 500 East
	Washington, DC 20005
	(202) 973-4200

*Attorneys for
Trans-Allegheny Interstate Line Company*

Enclosures

Attachment 1

Reconciliation of 2020 Annual Transmission Revenue Requirements

May 17, 2021

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company			
Formula Rate -- Appendix A	Notes	FERC Form 1 Page # or Instruction	TrAILCo
Shaded cells are input cells			
			2020 Reconciliation

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	2,196,111,133
7	Total Plant In Service	(Line 6)	2,196,111,133
8	Accumulated Depreciation (Total Electric Plant)	Attachment 5	349,709,005
9	Total Accumulated Depreciation	(Line 8)	349,709,005
10	Net Plant	(Line 7 - Line 9)	1,846,402,128
11	Transmission Gross Plant	(Line 15 + Line 21)	2,196,111,133
12	Gross Plant Allocator	(Line 11 / Line 7, if Line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant	(Line 11 - Line 29)	1,846,402,128
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	2,074,739,368
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)	2,074,739,368
18	General & Intangible	Attachment 5	121,371,766
19	Total General & Intangible	(Line 18)	121,371,766
20	Wage & Salary Allocator	(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant	(Line 19 * Line 20)	121,371,766
22	Transmission Related Plant	(Line 17 + Line 21)	2,196,111,133
Accumulated Depreciation			
23	Transmission Accumulated Depreciation	(Note B) Attachment 5	316,677,116
24	Accumulated General Depreciation	Attachment 5	13,470,482
25	Accumulated Intangible Amortization	Attachment 5	19,561,407
26	Total Accumulated General and Intangible Depreciation	(Sum Lines 24 to 25)	33,031,889
27	Wage & Salary Allocator	(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation	(Line 26 * Line 27)	33,031,889
29	Total Transmission Related Accumulated Depreciation	(Line 23 + Line 28)	349,709,005
30	Total Transmission Related Net Property, Plant & Equipment	(Line 22 - Line 29)	1,846,402,128

Adjustment To Rate Base

Accumulated Deferred Income Taxes			
31	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)
			-418,291,060
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
			301,124
Materials and Supplies			
37	Undistributed Stores Expense	(Note A)	Attachment 5
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)
			13,647,422
43	1/8th Rule		1/8
			12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)
			1,705,928
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)
			-416,284,008
46	Rate Base		(Line 30 + Line 45)
			1,430,118,120

O&M

Transmission O&M			
47	Transmission O&M		p321.112.b
			9,883,996
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)
			932,154
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)
			8,951,842
A&G Expenses			
53	Total A&G		p323.197.b
			3,763,426
54	Less Property Insurance Account 924		p323.185.b
			108,828
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)
			3,654,598
60	Wage & Salary Allocator		(Line 5)
			100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)
			3,654,598
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
			108,828
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5
			0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)
			108,828
68	Net Plant Allocator		(Line 14)
			100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)
			108,828
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
			932,154
73	Total Account 566		Sum (Lines 70 to 72)
			932,154
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)
			13,647,422

Depreciation & Amortization Expense

Depreciation Expense			
75	Transmission Depreciation Expense	Attachment 5	44,190,490
76	General Depreciation	Attachment 5	2,712,009
77	Intangible Amortization	Attachment 5	4,218,172
78	Total	(Line 76 + Line 77)	6,930,181
79	Wage & Salary Allocator	(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization	(Line 78 * Line 79)	6,930,181
81	Total Transmission Depreciation & Amortization	(Lines 75 + 80)	51,120,671

Taxes Other than Income

82	Transmission Related Taxes Other than Income	Attachment 2	14,722,684
83	Total Taxes Other than Income	(Line 82)	14,722,684

Return / Capitalization Calculations

84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	937,667,529
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)	937,667,529
Capitalization				
90	Long Term Debt	(Note N)		624,823,644
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)	624,823,644
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	937,667,529
97	Total Capitalization		(Sum Lines 94 to 96)	1,562,491,173
98	Debt %	Total Long Term Debt	(Note N) (Line 94 / Line 97)	39.9889%
99	Preferred %	Preferred Stock	(Note N) (Line 95 / Line 97)	0.0000%
100	Common %	Common Stock	(Note N) (Line 96 / Line 97)	60.0111%
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)	0.0158
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0702
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)	122,945,229

Composite Income Taxes			
Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	21.00%
110	SIT=State Income Tax Rate or Composite		7.51%
111	p	(percent of federal income tax deductible for state purp Per State Tax Code	0.00%
112	T	$T=1 - \frac{p}{(1 - SIT) * (1 - FIT)}$	26.93%
113	T/(1-T)		36.86%
114	Income Tax Component =	$CIT=(T/(1-T)) * Investment\ Return * (1-(WCLTD/R)) = [Line\ 113 * Line\ 108 * (1 - (Line\ 104 / Line\ 107))]$	37,015,040
115	Total Income Taxes	(Line 114)	37,015,040

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,846,402,128
117	Total Adjustment to Rate Base	(Line 45)	-416,284,008
118	Rate Base	(Line 46)	1,430,118,120
119	Total Transmission O&M	(Line 74)	13,647,422
120	Total Transmission Depreciation & Amortization	(Line 81)	51,120,671
121	Taxes Other than Income	(Line 83)	14,722,684
122	Investment Return	(Line 108)	122,945,229
123	Income Taxes	(Line 115)	37,015,040
124	Gross Revenue Requirement	(Sum Lines 119 to 123)	239,451,045
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service	(Line 22)	2,196,111,133
126	Excluded Transmission Facilities	(Note L) Attachment 5	0
127	Included Transmission Facilities	(Line 125 - Line 126)	2,196,111,133
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	239,451,045
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	239,451,045
Revenue Credits			
131	Revenue Credits	Attachment 3	3,367,845
132	Net Revenue Requirement	(Line 130 - Line 131)	236,083,200
Net Plant Carrying Charge			
133	Net Revenue Requirement	(Line 132)	236,083,200
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,758,062,251
135	FCR	(Line 133 / Line 134)	13.4286%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	10.9150%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	10.9150%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	1.8163%
Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	76,122,931
140	Increased Return and Taxes	Attachment 4	171,706,237
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	247,829,169
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,758,062,251
143	FCR with Incentive ROE	(Line 141 / Line 142)	14.0967%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	11.5831%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	11.5831%
146	Net Revenue Requirement	(Line 132)	236,083,199.71
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	6,091,343.13
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)	242,174,542.84
Network Zonal Service Rate			
151	1 CP Peak	(Note K)	N/A
152	Rate (\$/MW-Year)	PJM Data (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 = $[50\% * 260 + 60\% * (365 - 260)] / 365$

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	569,936,139	569,598,413	569,762,276		569,762,276	-	-	569,762,276
2 ADIT-283 From Account Total Below	88,318,035	85,869,051	87,093,543		85,967,126	-	-	85,967,126
3 ADIT-190 From Account Total Below	(237,967,039)	(239,223,146)	(238,595,093)		(237,438,342)	-	-	(237,438,342)
4 Subtotal					418,291,060	-	-	418,291,060
5 Wages & Salary Allocator						100.0000%	100.0000%	
6 Gross Plant Allocator					418,291,060	-	-	418,291,060
7 ADIT								

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 p234.19.b	End of Year Balance p234.19.c	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related	JUSTIFICATION
Accelerated Tax Dep-FED-Norm	3	(7)	(2)			(2)			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
AMT Carryforward	641,329	-	320,665			320,665			Paid AMT tax which generates a credit
Charitable Contribution - VA RTA	182	102	142		142				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution - WV RTA	1,636	1,582	1,609		1,609				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution Carryforward	2,436	2,131	2,284		2,284				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm	1,401,210	1,269,101	1,335,156			1,335,156			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	1,892,585	1,892,585	1,892,585			1,892,585			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIP	21,595	21,595	21,595			21,595			Taxable CIAC
CIAC-PA-Norm	110,050	98,596	104,323			104,323			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIP	71,176	71,176	71,176			71,176			Taxable CIAC
CIAC-VA-Norm	(33,985)	(35,004)	(34,495)			(34,495)			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIP	20,558	20,558	20,558			20,558			Taxable CIAC
CIAC-WV-Norm	113,461	96,259	104,860			104,860			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	157,678	157,677	157,678			157,678			Taxable CIAC
Deferral Amortization of Excess Def Income Taxes	4,109,966	3,923,485	4,016,716			4,016,716			Resulting from deferral of refund of excess ADIT due to customers
FASB 109 Gross-UP	(5,648,441)	(1,935,983)	(3,792,212)			(3,792,212)			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	139,550,451	143,291,694	141,421,073			141,421,073			Result of bonus depreciation
Merger Costs: D&O Insurance	674	566	620		620				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs: Licenses	31,102	26,137	28,620		28,620				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	1,939,726	805,160	1,372,443			1,372,443			Result of bonus depreciation
NOL Deferred Tax Asset - LT WV	16,117,327	18,308,323	18,212,825			18,212,825			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 Debt	2,135,099	2,122,361	2,128,730			2,128,730			Pension related temporary difference associated with Service Company allocations
Purchase Accounting-LTD FMV	1,142,050	1,104,904	1,123,477		1,123,477				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	1,324,983	1,028,829	1,176,906			1,176,906			Deductions related to state income taxes
Tax Interest Capitalized-Fed-Norm	28,215,976	27,497,168	27,896,572			27,896,572			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	32,695,354	33,030,082	32,862,718			32,862,718			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	399,855	389,599	394,727			394,727			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIP	313,896	320,872	317,384			317,384			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	678,184	663,498	670,841			670,841			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	1,042,130	1,077,532	1,059,981			1,059,981			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	478,967	466,976	472,972			472,972			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	337,100	342,323	339,712			339,712			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	2,568,386	2,504,328	2,536,357			2,536,357			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	2,595,865	2,643,023	2,619,444			2,619,444			Actual amount of tax interest capitalized
Subtotal	236,428,564	241,210,628	238,819,596	-	1,156,751	237,662,845	-	-	
Less FASB 109 included above	(1,538,475)	1,987,482	224,504			224,504			
Less FASB 106 included above									
Total	237,967,039	239,223,146	238,595,093	-	1,156,751	237,438,342	-	-	

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 & F 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											
	Beg of Year Balance p274.9.b	End of Year Balance p275.9.k	End of Year for Est. Average for Final Total	Retail Related	Gas, Prod Or Other Related	Only Transmission Related	Plant Related	Labor Related				
ADIT- 282												JUSTIFICATION
A&G Expenses Capitalized	10,790,564	12,170,860	11,480,712			11,480,712						Basis difference relating to A&G expense
Accelerated Tax Depreciation	522,172,111	518,350,723	520,261,417			520,261,417						Additional tax depreciation over book
Additional State Depreciation MD	3,219,830	3,607,978	3,413,904			3,413,904						Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	9,827,252	9,434,948	9,130,855			9,130,855						Temporary difference for additional state depreciation allowed for PA tax return
Additional State Depreciation VA	4,347,502	4,658,902	4,503,202			4,503,202						Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	47,664,825	47,524,948	47,594,886			47,594,886						Temporary difference for additional state depreciation allowed for WV tax return
AFUDC Debt	4,157,312	4,243,691	4,200,502			4,200,502						Portion of AFUDC Debt that relates to property and booked to account 282
Capitalized Vertical Tree Trimming	136,389	176,700	156,545			156,545						Temporary difference that is capitalized for book purposes but deductible for tax purposes
Cost of Removal	(2,420,551)	(2,359,564)	(2,390,058)			(2,390,058)						Temporary difference arising for removal of plant/property
FASB 109 Gross-Up	(178,739,307)	(174,611,782)	(176,675,544)			(176,675,544)						Reclass of the tax portion (gross-up) for property items included in account 282
Other Basis Differences	(31,387,601)	(30,922,724)	(31,155,163)			(31,155,163)						Other property related temporary differences
Sale of Property - Book Gain or (Loss)	(338,594)	(338,396)	(338,495)			(338,495)						Residual basis differences between book and tax on property
T&D Repairs	3,019,105	3,199,188	3,109,147			3,109,147						Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Vegetation Management - Transmission	(252,016)	(157,942)	(204,979)			(204,979)						Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	391,196,832	394,976,531	393,086,732			393,086,732						
Less FASB 109 included above	(178,739,307)	(174,611,782)	(176,675,544)			(176,675,544)						
Less FASB 106 included above	-	-	-			-						
Total	569,936,139	569,588,413	569,762,276			569,762,276						

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	JUSTIFICATION
	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	
AFUDC Debt-Fed-Norm-Reversal-CWIP	1	-	1			1			Portion of AFUDG debt that relates to property and booked to account 282
Charitable Contribution State & Local RTA	3,330	2,550	2,940		2,940				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm-Reversal-CWIP	1,993,378	1,892,095	1,942,987			1,942,987			Taxable CIAC
CIAC-MD-Norm	(78,348)	(74,075)	(76,212)						Taxable CIAC
CIAC-MD-Norm-Reversal-CWIP	23,936	21,816	22,876			22,876			Taxable CIAC
CIAC-PA-Norm-Reversal-CWIP	130,792	121,734	126,263			126,263			Taxable CIAC
CIAC-VA-Norm-Reversal-CWIP	16,595	14,552	15,574			15,574			Taxable CIAC
CIAC-WV-Norm-Reversal-CWIP	150,367	155,497	142,932			142,932			Taxable CIAC
Deferred Charge-EIB	22,065	38,386	30,226			30,226			Allocated portion of total liabilities relating to captive insurance
FASB 109 Gross-Up	24,438,439	24,523,772	24,481,106			24,481,106			Reclass of the tax portion (gross-up) for property items included in account 283
RAA - LT Regulatory Asset Amort	1,142,050	1,104,904	1,123,477		1,123,477				Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FEAYE merger
PJM Receivable	29,665,465	27,151,743	28,408,604			28,408,604			Comparison of actual to forecast revenues - non-property related
SC01 Timing Allocation	256,096	256,872	256,484			256,484			Timing differences related to service company allocations
Tax Interest Capitalized-Fed-Norm-Reversal-CWIP	32,375,068	32,437,733	32,406,401			32,406,401			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Reversal-CWIP	310,780	312,079	311,430			311,430			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal-CWIP	1,037,239	1,044,525	1,040,882			1,040,882			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal-CWIP	332,913	333,724	333,319			333,319			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal-CWIP	2,566,965	2,575,555	2,571,260			2,571,260			Actual amount of tax interest capitalized
Valuation Allowance NOL WV	18,117,327	18,308,323	18,212,825			18,212,825			Valuation allowances recorded against state NOL carryforwards not expected to be realized
Vegetation Management	252,016	-	126,008			126,008			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Year-End Additional Temp Adjustments LT	-	190,538	95,269			95,269			Other non-property related temporary differences
Subtotal	112,756,474	110,392,823	111,574,649		1,126,417	110,448,231			
Less FASB 109 included above	24,438,439	24,523,772	24,481,106			24,481,106			
Less FASB 106 included above									
Total	88,318,035	85,869,051	87,093,543		1,126,417	85,967,126			

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	2019 State Property WV	p263.31(i)	5,644,783	100.0000%	\$ 5,644,783
1.2	2020 State Property WV	p263.32(i)	5,750,000	100.0000%	5,750,000
1.3	2020 State Property PA (PURTA)	p263.21(i)	30,470	100.0000%	30,470
1.4	2019 Local Property WV	p263.39(i)	5,157	100.0000%	5,157
1.5	2020 Local Property WV	p263.40(i)	1,035	100.0000%	1,035
1.6	2020 Local Property VA	p263.1.3(i)	1,657,326	100.0000%	1,657,326
1.7	2020 Local Property PA	p263.1.6(i)	4,874	100.0000%	4,874
1.8	2019 Local Property MD	p263.1.9(i)	767,278	100.0000%	767,278
2.0	2020 Local Property MD	p263.1.10(i)	817,347	100.0000%	817,347
3	Total Plant Related		<u>14,678,270</u>	<u>100.0000%</u>	<u>14,678,270</u>
Labor Related		Wages & Salary Allocator			
4	Accrued Federal FICA		0		
5	MD Filing Fee	p263.12	300		
6	Federal - Excise	p263.6	1,726		
7	Federal - Other	p263.4	42,311		
8	Total Labor Related		<u>44,337</u>	<u>100.0000%</u>	<u>44,337</u>
Other Included		Gross Plant Allocator			
9	State Sales/Use Tax PA	p263.18(i)	77	100.0000%	77
10			0		0
11			0		0
12	Total Other Included		<u>77</u>	<u>100.0000%</u>	<u>77</u>
13	Total Included (Lines 4 + 9 + 13)		<u>14,722,684</u>		<u>14,722,684</u> Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.2(i)	34,947,993		
15	Corporate Net Income Tax MD	p263.10(i)	299,182		
16	Corporate Net Income Tax PA	p263.16(i)	2,407,055		
17	Corporate Net Income Tax VA	p263.25(i)	212,999		
18	Corporate Net Income Tax WV	p263.29(i)	5,372,974		
19	Subtotal, Excluded		<u>43,240,203</u>		
20	Total, Included and Excluded (Line 14 + Line 20)		<u>57,962,887</u>		
21	Total Other Taxes from p114.14.c		<u>14,722,684</u>		
22	Difference (Line 20 - Line 21)		<u>43,240,203</u>		

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:
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner	3,367,845	328 Line: 1 Column: m
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)	3,367,845	
12	Less line 14g	-	
13	Total Revenue Credits (Line 11 - Line 12)	<u>3,367,845</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	3,367,845	
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.		

Trans-Allegheny Interstate Line Company

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness				
	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)		171,706,237	Input to Appendix A, Line 140
B	Difference between Base ROE and Incentive ROE			100	
Return Calculation					
					Source Reference
1	Rate Base			1,430,118,120	Appendix A, Line 46
2	Preferred Dividends	enter positive		0	Appendix A, Line 84
	Common Stock				
3	Proprietary Capital			937,667,529	Appendix A, Line 85
4	Less Accumulated Other Comprehensive Income Account 219			0	Appendix A, Line 86
5	Less Preferred Stock			0	Appendix A, Line 87
6	Less Account 216.1			0	Appendix A, Line 88
7	Common Stock			937,667,529	Appendix A, Line 89
	Capitalization				
8	Long Term Debt			624,823,644	Appendix A, Line 90
9	Less Unamortized Loss on Reacquired Debt			0	Appendix A, Line 91
10	Plus Unamortized Gain on Reacquired Debt			0	Appendix A, Line 92
11	Less ADIT associated with Gain or Loss			0	Appendix A, Line 93
12	Total Long Term Debt			624,823,644	Appendix A, Line 94
13	Preferred Stock			0	Appendix A, Line 95
14	Common Stock			937,667,529	Appendix A, Line 96
15	Total Capitalization			1,562,491,173	Appendix A, Line 97
16	Debt %	Total Long Term Debt		39.9889%	Appendix A, Line 98
17	Preferred %	Preferred Stock		0.0000%	Appendix A, Line 99
18	Common %	Common Stock		60.0111%	Appendix A, Line 100
19	Debt Cost	Total Long Term Debt		0.0394	Appendix A, Line 101
20	Preferred Cost	Preferred Stock		0.0000	Appendix A, Line 102
21	Common Cost	Common Stock	12.70%	0.1270	
22	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 16 * 19)	0.0158	
23	Weighted Cost of Preferred	Preferred Stock	(Line 17 * 20)	0.0000	
24	Weighted Cost of Common	Common Stock	(Line 18 * 21)	0.0762	
25	Rate of Return on Rate Base (ROR)			0.0920	(Sum Lines 22 to 24)
26	Investment Return = Rate Base * Rate of Return			131,527,519	(Line 1 * Line 25)
Composite Income Taxes					
	Income Tax Rates				
27	FIT=Federal Income Tax Rate			21.00%	Appendix A, Line 109
28	SIT=State Income Tax Rate or Composite			7.51%	Appendix A, Line 110
29	p = percent of federal income tax deductible for state purposes			0.00%	Appendix A, Line 111
30	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$		26.93%	Appendix A, Line 112
31	T / (1-T)			36.86%	Appendix A, Line 113
32	Income Tax Component =	$CIT=(T/(1-T) * Investment Return * (1-(WCLTD/R))) =$		40,178,718	
33	Total Income Taxes			40,178,718	(Line 32)

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		EOY Balance for Estimate													
		13 Month Balance for Reconciliation		EOY Balance for Estimate													
Calculation of Transmission Plant in Service		Total		Total													
Source				Black Mt	Wyle Ridge	102 Junction - Lenora	Patet SS	Osgo/Winkley	Medfordbrook	North Shawmut	Bodington	Westview Center	Kenner	Double #2 Trans	Double #3 Trans	Double #4 Trans	
December	p200.58.b	For 2019	2,077,200.300	48,880.193	17,801.028	1,071,689.984	2,022.054	24,556.815	8,206.718	1,923.902	7,723.038	6,486.620	39,615.308	5,149.271	4,686.053	5,691.357	
January	company records	For 2020	2,073,240.912	48,882.193	17,801.028	1,071,708.996	2,022.054	24,556.815	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
February	company records	For 2020	2,073,319.241	48,882.193	17,801.028	1,071,716.171	2,022.054	24,556.820	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
March	company records	For 2020	2,074,445.705	48,698.023	17,801.028	1,071,780.702	2,022.054	24,556.030	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
April	company records	For 2020	2,073,821.857	48,698.880	17,801.028	1,071,810.426	2,022.054	24,538.030	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
May	company records	For 2020	2,073,948.921	48,698.841	17,801.028	1,071,891.022	2,022.054	24,538.175	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
June	company records	For 2020	2,074,563.926	48,699.874	17,801.028	1,072,034.103	2,022.054	24,538.506	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
July	company records	For 2020	2,075,065.120	48,699.942	17,801.028	1,071,721.801	2,022.054	24,538.506	8,206.718	1,923.902	7,723.038	6,486.620	39,615.612	5,149.271	4,686.053	5,691.357	
August	company records	For 2020	2,074,583.355	48,699.232	17,801.028	1,071,778.399	2,022.054	24,538.506	8,206.718	1,923.902	7,723.038	6,486.620	39,616.235	5,149.271	4,686.053	5,691.357	
September	company records	For 2020	2,075,094.200	48,699.446	17,801.028	1,071,811.613	2,022.054	24,538.613	8,206.718	1,923.902	7,723.038	6,486.620	39,616.235	5,149.271	4,686.053	5,691.357	
October	company records	For 2020	2,075,417.189	48,694.152	17,801.028	1,071,948.740	2,022.054	24,538.813	8,206.718	1,923.902	7,723.038	6,486.620	39,616.235	5,149.271	4,686.053	5,691.357	
November	company records	For 2020	2,075,794.773	48,694.223	17,766.214	1,073,966.888	2,022.054	24,537.247	8,206.718	1,923.902	7,723.038	6,486.620	39,616.235	5,149.271	4,686.053	5,691.357	
December	p207.58.g	For 2020	2,077,276.433	48,694.342	17,766.444	1,073,946.307	2,022.054	24,537.242	8,206.718	1,923.902	7,723.038	6,486.620	39,616.235	5,149.271	4,686.053	5,691.357	
15	Transmission Plant in Service		2,074,729.368			17,795,226	1,071,914,902	2,022,054	24,542,612	8,206,718	1,923,902	7,723,038	6,486,620	39,615,712	5,149,271	4,686,053	5,691,357

Details																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpool & Gulford	Henderson Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,284,216	15,623,574	2,067,321	832,202	5,024,491	61,511,353	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,284,244	15,623,574	2,067,321	832,202	5,024,491	61,511,353	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,284,244	15,623,574	2,067,321	832,202	5,024,491	61,511,423	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,284,375	15,623,574	2,067,321	832,202	5,024,491	61,511,423	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,284,381	15,623,574	2,067,321	832,202	5,024,491	61,511,480	657,191	14,710,376	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,286,433	15,623,574	2,067,321	832,202	5,024,491	61,514,859	657,191	14,710,776	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,286,524	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,710,776	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,286,604	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,734,112	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,330,160	569,408	43,982,577	4,942,684	438,837
7,286,900	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,734,163	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	43,982,577	4,942,684	438,837
7,286,133	15,623,588	2,067,321	832,202	5,024,491	61,515,429	657,191	14,734,383	28,417,919	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	43,982,577	4,942,684	438,837
7,287,716	15,623,588	2,067,321	832,202	5,024,491	61,578,622	657,191	14,734,383	28,491,859	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,021,199	4,942,684	438,837
7,287,352	15,623,588	2,067,321	832,202	5,024,491	61,579,304	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
7,295,314	15,623,609	2,067,321	832,202	5,024,491	61,522,146	657,191	14,719,739	28,237,859	1,199,446	1,781,252	12,863,994	36,258,335	3,328,027	569,408	43,988,263	4,942,684	438,837

																Johnstown SS										Farmers Valley										
Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SW	Squab Hollow SVC	Shingletown	Clydesburg Ring Bus	Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainesburg SS	Yeastertown	Nesweater	Oak Mound	Joffre SS	Erie South	Substation	Richwood Hill	Damascus SS	Warren Substation	Pinebrook SS	Total										
7,527,658	59,422,660	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,774,188	2,268,540	38,181,684	32,322,289	1,135,027	936,641	112,180,084	47,541,270	44,563,951	39,113,989	74,383,145	2,081,326	23,984,428	18,434,567	2,077,200,305										
7,527,658	55,166,693	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,777,795	2,268,540	38,181,684	32,802,133	1,135,027	936,641	112,074,263	47,542,523	44,563,914	39,113,989	74,384,001	2,081,326	24,002,705	18,438,983	2,073,240,912										
7,527,658	55,214,877	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,792,439	2,268,540	38,181,684	32,802,289	1,135,027	936,641	112,083,441	47,542,311	44,564,009	39,113,989	74,384,987	2,081,326	24,003,375	18,438,999	2,073,319,241										
7,527,658	55,230,066	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,784,054	2,268,540	38,181,684	32,917,918	1,135,027	936,641	112,089,641	47,544,275	44,564,009	39,113,989	74,386,089	2,081,326	24,003,975	18,438,985	2,073,485,705										
7,527,658	55,238,040	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,785,000	2,268,540	38,181,684	32,964,008	1,135,027	936,641	112,115,705	47,703,797	44,564,009	39,115,082	74,386,965	2,081,326	24,003,975	18,438,985	2,073,621,897										
7,527,658	55,239,118	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,786,802	2,268,540	38,181,684	32,975,695	1,135,027	936,641	112,145,463	47,703,825	44,564,009	39,115,082	74,388,645	2,081,326	24,003,975	18,438,985	2,073,698,921										
7,527,658	55,241,975	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,381,639	885,549	18,785,863	2,268,540	38,181,684	33,138,995	1,135,027	936,641	112,123,239	47,712,928	44,564,435	39,115,082	74,389,521	2,081,326	24,003,975	18,438,985	2,074,063,808										
7,527,658	55,482,781	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,786,945	2,268,540	38,181,684	32,868,638	1,135,027	936,641	112,169,860	47,712,654	44,564,667	39,115,082	74,390,387	2,081,326	24,003,975	18,438,987	2,074,661,250										
7,527,658	55,556,460	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,797,406	2,268,540	38,181,684	32,984,631	1,135,027	936,641	112,207,259	47,712,981	44,565,305	39,115,082	74,391,273	2,081,326	24,003,975	18,438,987	2,074,983,355										
7,527,658	56,029,867	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,786,164	2,268,540	38,181,684	32,868,495	1,135,027	936,641	112,275,695	47,713,008	44,566,121	39,115,082	74,392,149	2,081,326	24,003,975	18,438,987	2,075,044,298										
7,527,658	56,070,660	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,803,373	2,268,540	38,181,684	32,868,495	1,135,027	936,641	112,293,397	47,713,035	44,566,814	39,115,082	74,393,025	2,081,326	24,003,975	18,438,987	2,075,417,189										
7,527,658	56,514,693	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,408,768	885,549	18,814,779	2,268,540	38,181,684	32,869,820	1,135,027	936,641	112,316,084	47,713,061	44,567,602	39,115,082	74,393,901	2,081,326	24,003,975	18,438,987	2,075,798,772										
7,527,658	56,990,614	9,875,169	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	32,869,519	1,135,027	936,641	112,339,359	47,713,045	44,567,682	39,115,082	74,394,777	2,081,326	24,003,975	18,438,987	2,077,276,433										
7,527,658	95,967,693	9,875,168	891,279	1,490,386	692,272	18,792,135	31,318,256	1,754,277	7,730,920	1,409,957	885,549	18,789,236	2,268,540	38,181,684	32,996,430	1,135,027	936,641	112,181,816	47,699,224	44,565,900	39,114,745	74,389,100	2,081,326	24,003,143	18,447,352	2,074,739,361	1,738,609,307									

Trans-Allegheny Interstate Line (

			Attachment 5 - Cost Support	
			Link to Appendix A, line 15	Link to Appendix A, line 15
Calculation of Distribution Plant In Service				
December	Source p206.75.b	For 2019	-	-
January	company records	For 2020	-	-
February	company records	For 2020	-	-
March	company records	For 2020	-	-
April	company records	For 2020	-	-
May	company records	For 2020	-	-
June	company records	For 2020	-	-
July	company records	For 2020	-	-
August	company records	For 2020	-	-
September	company records	For 2020	-	-
October	company records	For 2020	-	-
November	company records	For 2020	-	-
December	p207.75.g	For 2020	-	-
Distribution Plant In Service				
Calculation of Intangible Plant In Service				
December	Source p204.5.b	For 2019	41,758,318	45,887,165
December	p205.5.g	For 2020	45,887,165	45,887,165
18	Intangible Plant In Service		49,736,642	45,887,165
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of General Plant In Service				
December	Source p206.99.b	For 2019	76,560,318	-
December	p207.99.g	For 2020	79,657,132	79,657,132
18	General Plant In Service		17,252,724	79,657,132
			Link to Appendix A, line 18	Link to Appendix A, line 18
Calculation of Production Plant In Service				
December	Source p204.46b	For 2019	-	-
January	company records	For 2020	-	-
February	company records	For 2020	-	-
March	company records	For 2020	-	-
April	company records	For 2020	-	-
May	company records	For 2020	-	-
June	company records	For 2020	-	-
July	company records	For 2020	-	-
August	company records	For 2020	-	-
September	company records	For 2020	-	-
October	company records	For 2020	-	-
November	company records	For 2020	-	-
December	p205.46.g	For 2020	-	-
Production Plant In Service				
			-	-
6	Total Plant In Service	Sum of averages above	2,196,111,133	2,201,650,730
			Link to Appendix A, line 6	Link to Appendix A, line 6

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Accumulated Depreciation Worksheet				13 Month Balance for Reconciliation													EOY Balance for Estimate	
Reference to Line in Worksheets, Item, Form 1 Page #s and Inclusions																		
Calculation of Transmission Accumulated Depreciation																		
Month	Source	For 2019	For 2020	Black Oak	Wyle Ridge	302 Junction-Terrill	Line	Peter SS	Ozge Whiskey	Meadowbrook Transformer	North Shenandoah	Bedington Transformers	Meadowbrook Capacitor	Kammer	Double #2 Trans	Double #3 Trans	Double #4 Trans	Cabot SS
December	Prior year FERC Form 1 p019.25.0	294,797,484		18,362,709	203,950	187,428,716	242,142	3,716,401	1,937,812	362,774	1,022,876	1,853,384	8,495,049	8,029,277	882,262	778,113	1,342,288	1,142,837
January	company records	294,473,856		16,448,627	308,253	187,285,414	245,307	3,766,401	1,911,024	386,141	1,774,192	1,487,514	8,559,049	8,096,154	896,154	775,325	1,354,792	1,158,603
February	company records	302,173,246		16,580,545	356,601	188,039,874	248,173	3,808,269	1,924,976	389,508	1,787,708	1,479,884	8,629,277	8,204,061	904,061	779,227	1,367,216	1,168,368
March	company records	305,559,817		16,577,948	404,888	188,812,092	251,036	3,866,151	1,936,128	372,875	1,801,224	1,487,754	8,698,694	8,287,931	911,965	779,149	1,376,690	1,181,194
April	company records	309,244,028		16,495,871	453,296	188,578,323	253,903	3,914,032	1,951,680	379,241	1,814,740	1,503,844	8,787,931	8,378,876	919,876	784,061	1,390,145	1,193,900
May	company records	313,252,268		16,613,368	501,844	192,396,781	256,769	3,961,920	1,965,222	379,628	1,828,627	1,519,925	8,877,250	8,472,794	927,794	789,973	1,404,609	1,206,665
June	company records	316,627,839		16,731,104	549,902	192,083,828	259,634	3,999,003	1,976,784	382,375	1,841,773	1,528,025	8,966,586	8,562,091	935,091	793,885	1,417,073	1,219,432
July	company records	320,395,750		16,848,627	598,340	193,849,863	262,499	4,047,176	1,992,305	385,742	1,856,069	1,540,115	9,076,813	8,658,509	945,509	797,797	1,428,937	1,232,189
August	company records	323,987,951		16,966,552	646,688	195,616,744	265,364	4,095,501	2,005,287	389,709	1,868,805	1,562,205	9,184,241	8,751,506	954,506	797,109	1,442,001	1,244,947
September	company records	327,663,375		17,084,277	695,035	197,388,714	268,230	4,142,252	2,019,439	393,076	1,882,351	1,584,295	9,274,570	8,840,414	963,621	798,621	1,454,445	1,257,796
October	company records	331,350,534		17,202,004	743,383	199,152,415	271,095	4,190,973	2,032,091	396,442	1,895,838	1,576,385	9,368,698	8,927,522	973,522	799,533	1,466,930	1,270,504
November	company records	335,036,426		17,319,729	791,701	200,848,942	273,960	4,238,721	2,046,243	399,809	1,909,054	1,588,476	9,452,227	9,009,476	982,229	799,442	1,476,084	1,283,274
December	IS 19.25.0	338,687,126		17,437,457	839,902	202,686,345	276,825	4,286,473	2,060,005	402,109	1,922,876	1,599,564	9,532,066	9,095,137	991,107	800,357	1,489,104	1,296,046
23	Transmission Accumulated Depreciation		338,687,126	16,891,757	849,982	192,089,276	259,634	3,999,885	1,976,784	382,975	1,841,773	1,528,025	8,906,587	8,562,091	935,691	799,885	1,417,073	1,219,436

Link to Appendix A, line 23

Totals																
Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadowbrook SS	Grandview Capacitor	502 Jct Substation	Conemaugh-Seward	Luxor	Grandbold & Gufford	Hendosome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
1,038,747	117,299	101,215	601,257	7,113,203	86,492	876,060	3,388,561	154,187	202,977	1,224,088	4,179,876	385,358	84,559	5,112,719	500,768	49,707
1,886,459	181,840	162,872	616,206	7,119,464	87,443	886,436	3,442,859	156,201	210,691	1,587,724	4,243,129	391,221	85,505	5,189,698	519,456	50,475
1,894,170	120,587	104,129	618,895	7,225,726	88,794	898,896	3,498,816	138,413	213,189	1,610,763	4,308,581	397,245	85,502	5,268,658	587,085	51,243
1,891,882	122,222	105,564	627,965	7,331,887	89,845	907,213	3,555,841	140,326	216,296	1,633,911	4,379,023	400,869	87,499	5,343,828	599,759	52,811
1,849,593	123,862	107,241	636,234	7,438,248	91,296	917,591	3,609,771	142,827	219,491	1,656,879	4,453,485	408,691	88,495	5,420,587	604,385	52,779
1,977,305	125,503	108,497	644,363	7,544,509	92,748	937,889	3,664,198	144,748	222,527	1,679,928	4,498,927	416,515	89,402	5,497,567	610,204	53,847
2,005,916	127,144	109,953	653,573	7,650,770	93,399	938,346	3,719,326	146,861	225,393	1,702,876	4,560,389	420,339	90,408	5,574,536	620,348	54,315
2,032,708	128,785	111,410	662,842	7,757,031	94,900	948,214	3,774,453	148,974	228,482	1,726,925	4,623,841	426,162	91,465	5,651,506	629,204	55,383
2,080,439	130,426	112,869	670,911	7,863,293	96,701	959,102	3,829,581	151,088	231,604	1,749,972	4,687,293	431,987	92,481	5,728,479	638,887	56,851
2,088,451	132,067	114,322	679,961	7,969,554	98,602	969,479	3,884,706	153,198	234,709	1,772,100	4,750,746	437,915	93,478	5,805,445	647,963	58,139
2,115,862	133,708	115,779	688,250	8,075,815	98,003	979,837	3,939,829	155,310	237,815	1,795,168	4,814,197	443,842	94,474	5,882,414	654,238	57,387
2,145,574	135,349	117,225	696,560	8,182,076	98,154	990,292	3,995,256	157,422	240,926	1,818,217	4,877,648	448,469	95,471	5,959,418	662,913	58,126
2,171,265	136,990	118,671	705,869	8,288,337	100,055	1,000,812	4,050,384	159,534	244,038	1,841,265	4,941,101	453,298	96,467	6,036,493	671,269	58,922
2,006,016	127,144	109,953	653,573	7,650,770	93,399	938,346	3,719,395	146,861	225,492	1,702,976	4,560,389	420,342	90,488	5,574,547	637,585	54,315

	Johnston SS														Farmers Valley											
	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill/Mobley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Clayburg Ring Bus	Johnston SS Capacitor	Grover Sub	Rider Sub	Shawlee	Monocacy SS	Mainsburg SS	Yeagerstown	Nyswener	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercebroke SS	Total
743,483	7,112,312	968,304	59,476	136,720	59,462	2,080,824	3,841,005	183,724	741,741	129,517	51,888	1,899,236	208,028	3,362,121	1,310,402	88,537	79,825	6,135,560	3,776,887	4,951,042	2,938,878	5,739,219	194,000	1,281,820	119,344	234,737,491
766,637	7,241,056	984,197	57,655	138,043	59,673	2,018,446	4,014,446	187,401	755,246	129,816	52,620	1,943,799	212,746	3,462,841	1,286,117	100,523	81,244	6,016,861	3,486,972	5,046,346	3,007,684	5,889,774	186,151	1,328,824	121,423	236,173,805
789,810	7,371,117	1,000,000	58,566	140,888	60,885	2,181,373	4,092,292	201,079	788,840	132,308	53,572	1,987,668	216,664	3,519,759	1,387,762	102,509	82,803	6,480,157	3,585,079	5,183,051	3,076,690	6,048,330	201,794	1,365,837	126,837	302,173,246
792,884	7,500,392	1,018,983	100,156	143,090	60,886	2,203,892	4,173,136	204,758	792,539	134,703	54,514	2,031,842	220,881	3,588,577	1,487,006	104,496	84,543	6,687,487	3,688,186	5,287,757	3,145,686	6,202,888	205,436	1,407,851	173,939	305,561,617
796,157	7,629,567	1,037,876	101,714	146,036	61,307	2,242,550	4,248,979	208,424	796,139	137,099	55,437	2,075,419	224,499	3,653,395	1,536,887	106,482	85,182	6,844,808	3,793,437	5,412,462	3,214,702	6,367,447	209,078	1,449,886	192,141	309,244,028
800,300	7,758,810	1,067,769	103,214	148,036	62,519	2,283,313	4,353,823	212,111	799,494	139,494	56,399	2,119,299	228,417	3,729,213	1,636,617	109,468	87,821	7,002,204	3,887,825	5,587,167	3,283,710	6,512,009	212,721	1,491,880	214,420	312,802,288
822,024	7,888,058	1,093,662	104,834	151,459	63,730	2,324,076	4,452,666	215,789	803,338	141,794	57,341	2,162,823	232,334	3,781,201	1,708,300	110,435	89,460	7,199,587	4,002,222	5,681,873	3,352,718	6,866,573	216,363	1,533,884	229,782	316,607,859
826,677	8,017,605	1,079,555	105,284	154,862	64,942	2,364,838	4,578,510	219,666	808,657	143,728	58,293	2,205,438	236,262	3,853,849	1,806,995	112,641	91,099	7,376,995	4,106,626	5,796,978	3,421,728	6,921,138	220,005	1,574,808	241,681	320,300,264
848,851	8,147,230	1,096,449	107,853	156,705	66,123	2,405,602	4,686,354	223,144	806,537	145,728	59,225	2,284,870	240,169	3,920,687	1,916,754	114,427	92,738	7,497,524	4,211,031	5,871,288	3,490,733	6,975,704	223,648	1,617,802	263,343	323,967,931
862,024	8,277,458	1,113,241	109,513	159,329	67,386	2,446,365	4,831,197	228,251	804,738	146,400	60,188	2,377,762	244,987	3,987,486	2,038,412	116,614	94,217	7,702,212	4,318,428	5,888,284	3,559,741	7,109,372	227,289	1,659,896	283,610	327,661,976
875,197	8,408,318	1,127,254	111,073	161,951	68,576	2,487,128	4,970,641	230,499	817,738	150,840	61,110	2,320,668	248,055	4,054,303	2,135,071	118,400	95,816	7,809,016	4,419,840	6,100,705	3,628,749	7,284,841	230,832	1,701,950	301,877	331,365,534
888,391	8,539,005	1,140,127	112,620	164,574	69,798	2,567,891	4,983,824	234,176	819,205	152,200	62,052	2,382,586	251,922	4,121,120	2,204,700	120,390	97,856	8,087,659	4,524,244	6,210,421	3,687,757	7,429,412	234,975	1,743,994	326,144	335,068,428
901,544	8,681,044	1,159,620	114,182	167,187	70,999	2,669,854	4,983,728	237,854	824,856	153,729	62,944	2,466,521	259,840	4,237,038	2,284,389	122,372	99,255	8,286,442	4,623,688	6,320,145	3,785,984	7,593,884	235,812	1,785,578	328,611	338,607,138
822,504	7,864,916	1,063,662	104,834	151,459	63,730	2,324,272	4,402,666	215,789	823,338	141,890	57,341	2,156,086	232,334	3,787,031	2,041,905	110,455	89,460	7,199,954	4,002,416	5,641,879	3,352,719	6,666,584	216,363	1,533,894	228,762	316,677,116

Trans-Allegheny Interstate Line (

			Attachment 5 - Cost Supp	
Calculation of Distribution Accumulated Depreciation				
	Source			
December	Prior year FERC Form 1 p219.26.b	For 2019	-	-
January	company records	For 2020	-	-
February	company records	For 2020	-	-
March	company records	For 2020	-	-
April	company records	For 2020	-	-
May	company records	For 2020	-	-
June	company records	For 2020	-	-
July	company records	For 2020	-	-
August	company records	For 2020	-	-
September	company records	For 2020	-	-
October	company records	For 2020	-	-
November	company records	For 2020	-	-
December	p219.26.b	For 2020	-	-
Distribution Accumulated Depreciation				
<hr/>				
Calculation of Intangible Accumulated Depreciation				
	Source			
December	Prior year FERC Form 1 p200.21.b	For 2019	17,444,436	-
December	p200.21.b	For 2020	21,679,378	21,679,378
25	Accumulated Intangible Depreciation		19,561,407	21,679,378
			Link to Appendix A, line 25	
<hr/>				
Calculation of General Accumulated Depreciation				
	Source			
December	Prior year FERC Form 1 p219.28b	For 2019	12,119,855	-
December	p219.28.b	For 2020	14,821,108	14,821,108
24	Accumulated General Depreciation		12,119,855	14,821,108
			Link to Appendix A, line 24	
<hr/>				
Calculation of Production Accumulated Depreciation				
	Source			
December	Prior year FERC Form 1 p219.20.b.24.b	For 2019	-	-
January	company records	For 2020	-	-
February	company records	For 2020	-	-
March	company records	For 2020	-	-
April	company records	For 2020	-	-
May	company records	For 2020	-	-
June	company records	For 2020	-	-
July	company records	For 2020	-	-
August	company records	For 2020	-	-
September	company records	For 2020	-	-
October	company records	For 2020	-	-
November	company records	For 2020	-	-
December	p219.20.b thru 219.24.b	For 2020	-	-
Production Accumulated Depreciation				
<hr/>				
8	Total Accumulated Depreciation	Sum of averages above	349,709,003	375,166,612
			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
				Begin of year	End of Year (for estimates)	Average of Beginning and Ending Balance	
Materials and Supplies							
40	Transmission Materials & Supply	p227 B		-	-	-	
37	Undistributed Shares 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				Form 1 Amount	Electric Portion	Non-electric Portion	Details
				Begin of year	End of Year (for estimates)	Average of Beginning and Ending Balance	
34	Transmission Related Land Held for Future Use			-	-	-	Enter Details Here

CWIP & Expensed Lease Worksheet

Link to Appendix A, line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
				Begin of year	CWIP in Form 1 Amount	Expensed Leases in Form 1 Amount	
Plant Allocation Factors							
6	Electric Plant in Service	(Note B) Attachment 5		2,196,698,539	-	-	
15	Plant in Service	(Note B) Attachment 5		2,077,329,365	-	-	
Accumulated Depreciation							
23	Transmission Accumulated Depreciation	(Note B) Attachment 5		294,797,494	-	-	

Pre-Commercial Costs Capitalized

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

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
				Begin of year	EPRI Dues		
58	Allocated General & Common Expenses			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	Composite	Composite	Composite	Composite	Composite is calculated based on sales, payroll and property for each jurisdiction
		7.516%					

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&O					
63 General Advertising Exp Account 530	(Note J) p.223 191.a				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			General Description of the Facilities
126 Excluded Transmission Facilities	(Note L)		
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		Or	
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:		Enter \$	
A. Total investment in substation	Example 1,000,000		
B. Identifiable investment in Transmission (provide workpaper)	500,000		
C. Identifiable investment in Distribution (provide workpaper)	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		Req. of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Request	Amount	Details
36 Prepayments				Enter \$				
Prepayments		247,084	355,164	301,124	100%		301,124	
Prepaid Portion: if not included in Prepayments	Prepaid Insurance		0	0	100%		0	
Total Prepayments		247,084	355,164	301,124			301,124	

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		932,154	
72 Miscellaneous Transmission Expense			
Total Account 566 Miscellaneous Transmission Expenses	p.2197.b	\$ 932,154	
			Cost Element Name
			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
			(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, Field EX fees for various meetings from Legal, Procurement, Transmission & Finance, fees for various conference calls and P&M 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.
Net Revenue Requirement			
149 Facility Credits under Section 30.5 of the PJM OATT			

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Depreciation Rates

	Life	Curve	Net		Accrual											
			Survivor	Salvage	Rate (Annual)	Black Oak	Wyle Ridge	502 Junction - Territorial Line	Meadowbrook Transformer	North Shenandoah	Bedington Transformer	Meadowbrook Capacitor	Kammer Transformers	Doubs Replacement Transformer #2	Doubs Replacement Transformer #3	Doubs Replacement Transformer #4
TRANSMISSION PLANT																
350.2	70	R4	-	0	1.43			2,474,607								
352	50	R3	-	(10)	2.20	18,848		1,244,131								
	35		-		2.98											
353																
	50	R2	-	(5)	3.10	1,364,025	98,078	902,203	1,437,717	40,402	162,194	145,102	831,931	94,890	149,570	82,944
	Note 1	80 R2 - 35-yr truncation	-		2.98											
	15	S3	-	0	6.67											
354	65	R4	-	(25)	1.62			7,293,785								
355	55	R2.5	-	(20)	2.18			2,959,165								
356								6,364,162								
	55	R2.5	-	(40)	2.88											
	70	R4	-	0	1.43											
357	55	S3	-	(5)	1.91											
358	45	R3	-	(5)	2.53											
	35		-		2.89											
Total Transmission Plant Depreciation						1,413,172	580,078	21,188,123	1,437,717	40,402	162,194	145,102	831,931	94,890	149,570	82,944
Total Transmission Depreciation Expense (plant tie to p236.7.f)						44,190,490										

Note 1: Depreciation rate is based on an 80 R2 survivor curve with a 35-year truncation.

Annual Depreciation Expense														
Cabot SS	Grandview Capacitor	Potter	Osage Whitey	Armstrong	Farmers Valley	Harvey Run	Doubs SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Guilford	Handsome Lake-Homer City	Altoona
152	261		14,882	326	2,008	1,205			124,532	2,664	3,450			
153,056	13,533	34,383	110,514	329,708	18,436	17,476	104,032			255,932	21,896	37,288		761,425
			96,520							8,428			35,708	
			373,921							385,003			198,158	42,714
153,208	13,814	34,383	595,847	332,538	19,691	17,476	104,032	-	124,532	462,037	25,345	37,288	276,580	761,425

Blairville	Carbon Center	Hunterstown	Johnstown	Buffalo Road	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill Mobby	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor
						89,625	4,328		2,078		157,488				18,588
69,899	11,958	923,734	104,416	9,216	158,081	1,298,224	184,387	18,717	29,299	14,538	330,273	922,192	44,130	144,608	28,918
						85,158									
						31,302									
69,899	11,958	923,734	104,416	9,216	158,081	1,459,309	190,716	18,717	31,477	14,538	487,761.48	922,192	44,130	143,194	28,918

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagerstown	Hysenier	Oak Mound	Joffe SS	Erie South	Farmer's Valley Substation	Richwood HS	Damasas SS	Warren Substation	Piercebuck SS	Total
	114,360														2,591,911
	97,560							118,518	12,131	248,340	615,811		37,895		2,774,595
11,307	156,021	47,011	801,815	595,866	23,915	19,669	63,162	1,133,204	1,364,368	579,946	1,238,954	43,708	466,263	219,210	18,705,380
	33,985							876,617							7,442,637
	40,727							1,150,123							4,129,644
	199,392														8,546,323
11,307	520,034	47,011	801,815	595,866	23,915	19,669	2,129,902	1,251,792	1,376,499	828,294	1,854,765	43,708	504,158	219,210	44,190,490

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	991,149
391	Office Furniture & Equipment	20	SQ	0	5.00	115,056
	Information Systems	10	SQ	0	10.00	613,873
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other Autos	15	SQ	20	6.33	
	Light Trucks	7	S3	20	11.43	
	Medium Truck	11.5	L4	20	6.96	1,795
	Trailers	18	L1	20	6.96	
	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	990,137
398	Miscellaneous Equipment	15	SQ	0	6.67	-
Total General Plant						2,712,009
Total General Plant Depreciation Expense (must tie to p336.10 a & c)						2,712,009
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	4,218,172
Total Intangible Plant						4,218,172
Total Intangible Plant Amortization (must tie to p336.1 d & e)						4,218,172

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	3,162
6	TVALCO FTEs (labor not capitalized) current year	0,000
7	TVALCO PBOP Expense for base year	-
8	TVALCO PBOP Expense in Account 806 for current year	0
57	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	Estimate Step 2	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			For Reconciliation Step 2	CWIP	AFUDC In CWIP	AFUDC (if CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)		Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year				
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.

Trans-Allegheny Interstate Line Company
Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year

Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.
- 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
- 5 June Year 2 Results of Step 3 go into effect

- 6 April Year 3 TO estimates all transmission Cap Adds and CWIP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected to be in service in Year 3.
- 7 April Year 3 Reconciliation - TO calculates Reconciliation by populating the 13 monthly plant balances and beginning and end of year balances for the other rate base items and the 13 monthly averages for CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year).
- 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)
- 9 May Year 3 Post results of Step 8 on PJM web site
- 10 June Year 3 Results of Step 8 go into effect

Reconciliation Details

- 1 April Year 2 TO populates the formula with Year 1 data
Rev Req based on Year 1 data Must run Appendix A to get this number (without any cap adds in Appendix A line 16 and without CWIP in Appendix A line 33)
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Richwood Hill (n service)	Erie South (n service)	Joffre Sub (n service)	Oak Mound (n service)	Damascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Junction - Territorial Line (monthly additions) (n service)	
Dec (Prior Year CWP) (2/16.5.43)									
Jan 2020	Actual	877	2,407	194	48,977	13,593	23,163	49,553	
Feb	Actual	946	(37)	1,253	(33,822)	8,277	1,804	13,303	
Mar	Actual	876	155	688	9,178	1,270		3,175	
Apr	Actual	1,122	1,064	5,500				70,531	
May	Budget	876		159,522				29,724	
Jun	Budget				133,359				384,149
Jul	Budget								191,896
Aug	Budget								
Sep	Budget								
Oct	Budget				219,976				
Nov	Budget								
Dec	Budget								
Total		4,697	2,525	162,720	409,931	-	23,140	24,967	742,531

Month End Balances									
Other Projects PIS (Monthly additions)	Richwood Hill (n service)	Erie South (n service)	Joffre Sub (n service)	Oak Mound (n service)	Damascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Junction - Territorial Line (monthly additions) (n service)	CWIP
	877	2,407	194	48,977	-	13,593	23,163	49,553	
	1,822	2,371	1,447	15,156	-	21,870	24,967	63,056	
	2,698	2,525	2,134	24,334	-	23,140	24,967	66,231	
	3,821	2,525	3,198	29,834	-	23,140	24,967	136,762	
	4,697	2,525	162,720	56,597	-	23,140	24,967	166,486	
	4,697	2,525	162,720	189,956	-	23,140	24,967	166,486	
	4,697	2,525	162,720	189,956	-	23,140	24,967	550,635	
	4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
	4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
	4,697	2,525	162,720	409,931	-	23,140	24,967	742,531	
	4,697	2,525	162,720	409,931	-	23,140	24,967	742,531	
	51,487	32,558	1,471,454	2,354,471	-	290,008	322,764	5,462,500	
	3,961	2,504	113,189	181,113	-	22,308	24,828	420,192	

(Appendix A, Line 16) (Appendix A, Line 16) (Appendix A, Line 16) (Appendix A, Line 16) (Appendix A, Line 33)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	502 Jct Substation (n service)	Black Oak (n service)	Osage Whiteley (n service)	Squab Hollow SS (n service)	Wyle Ridge (n service)				
Dec (Prior Year CWP) (2/16.5.43)									
Jan 2020	Actual	743	168	298				1,903	
Feb	Actual			14				139	
Mar	Actual		15,830						
Apr	Actual	701	(11,143)	(20,000)	132,804				
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		1,444	4,854	(19,688)	132,804	-	-	2,042	

Month End Balances									
Other Projects PIS (Monthly additions)	502 Jct Substation (n service)	Black Oak (n service)	Osage Whiteley (n service)	Squab Hollow SS (n service)	Wyle Ridge (n service)				
	-	743	168	298	-	-	-	-	1,903
	-	743	168	298	-	-	-	-	2,042
	-	743	168	312	-	-	-	-	2,042
	-	743	15,998	312	-	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	1,444	4,854	(19,688)	132,804	-	-	-	2,042
	-	15,963	60,191	(175,971)	1,195,237	-	-	-	26,403

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Wato Run SS (n service)	Meadowbrook SS Capacitor (n service)	Conemaugh (n service)	Rider (n service)	Cabot Substation (n service)				
Dec (Prior Year CWP) (2/16.5.43)									
Jan 2020	Actual	79,195	2,812	122,871	7,813	132			
Feb	Actual	79,695		3,607	4,644	29			
Mar	Actual	48,183	201						
Apr	Actual	15,190	(131)		1,615				
May	Actual	7,974			996	131			
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget		1,771,817		161,314				
Dec	Budget				3,616				
Total			2,002,053	2,882	287,801	18,675	291		

Month End Balances									
Other Projects PIS (Monthly additions)	Wato Run SS (n service)	Meadowbrook SS Capacitor (n service)	Conemaugh (n service)	Rider (n service)	Cabot Substation (n service)				
	-	-	79,195	2,812	122,871	7,813	132	-	-
	-	-	158,889	2,812	122,871	11,420	161	-	-
	-	-	207,072	3,012	122,871	16,064	161	-	-
	-	-	222,262	2,882	122,871	17,679	161	-	-
	-	-	230,236	2,882	122,871	18,675	291	-	-
	-	-	230,236	2,882	122,871	18,675	291	-	-
	-	-	230,236	2,882	122,871	18,675	291	-	-
	-	-	230,236	2,882	122,871	18,675	291	-	-
	-	-	230,236	2,882	122,871	18,675	291	-	-
	-	-	2,002,053	2,882	284,185	18,675	291	-	-
	-	-	2,002,053	2,882	284,185	18,675	291	-	-
	-	-	2,002,053	2,882	287,801	18,675	291	-	-
	-	-	8,054,992	37,452	2,084,882	221,055	3,237	-	-

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Mainburg	Piercebrook SS	Moshannon	Farmers Valley SS				
		(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)
Line 17161 row CWP) 2/16/24	Actual	37,693	26						
Jan 2020	Actual	168,944	2,431						
Feb	Actual	9,936	10						
Mar	Actual	15,849	(108)						
Apr	Actual	46,090	621		1,093				
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget	171,202							
Sep	Budget	6,551							
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		456,155	2,981		1,093				

	Month End Balances							EXHIBIT NO. TRC-203
Other Projects PIS (Monthly additions)	Mainburg	Piercebrook SS	Moshannon	Farmers Valley SS				ATTACHMENT H-18A
	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	Page 30 of 49
	37,693	26	-	-	-	-	-	-
	205,537	2,457	-	-	-	-	-	-
	216,473	2,467	-	-	-	-	-	-
	232,322	2,360	-	-	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	449,614	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	4,080,946	34,135	-	9,837	-	-	-	-

3 April Year 2 TO add Cap Adds and CWP 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)	Huntertown	Farmers Valley	Harvey Run	Doubs SS	Potter SS (Monthly Additions)	Osage Whiskey (Monthly Additions)	Meadowbrook SS	502 Junction - Terribona Line (Monthly additions)
\$ 2,516,730	5,203,115.70	212,921.78	864,354.75	821,148.65	701,199.58	4,273,583	565,818	521,445	630,252	831,309	5,216,291	235,187	98,257	592,857	231,103	2,874,632	7,295,823	125,636,084
502 Junction Substation	Waldo Run	Conemaugh	Blairsville	Four Mile Junction	Johnstown	Yeagerstown	Grandview Capacitor	Altoona SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shewville	Oak Mount	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Grover SS Capacitor
\$ 1,653,493.74	7,362,088.83	3,422,958.10	395,030.99	1,152,908.92	587,044.32	136,355	78,881	4,306,429	143,067	211,257	907,590	87,754	274,630	13,827,820	181,181	52,218	-	103,456
Ridgwood Hill	Handsome Lake - Homer City	West Union	Rider Sub (West Milford)	Erie South	Monrocity SS	Bartonville SS Capacitor	Mainburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Joffe Sub	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nyswaner	Armstrong	Farmers Valley Substation	Damasus Substation	Warren Substation
\$ 9,440,793.92	1,525,263.75	106,661.35	2,371,548.52	5,975,005.12	4,647,064.08	84,801	3,994,370	165,929	935,567	6,142,248	2,329,033	3,947,509	216,586	114,378	1,855,896	4,826,489	242,146	3,016,162
Total Revenue Requirement																	Piercebrook Substation	Joffe Substation S1041
\$ 247,484,300.84																	1,359,577	-

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ 242,174,542.84	226,806.33	816,390.50	549,482.85	578,111.75	554,803.16	4,183,836	686,333	804,190	2,117,497	208,594	5,106,851	2,462,398	123,099,445	2,838,110	1,819,016	231,461	96,310	581,119
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Albiona	Blairville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
5,880,176	51,186	1,494,806	75,352	140,235	207,079	4,221,260	387,327	3,349,145	1,628,773	66,415	5,116,609	574,318	889,949	6,747,546	1,130,662	104,557	83,143	
Yeagerstown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnston Sub Capacitor	Grover SS	Clayburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nywarner	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
135,747	2,335,545	4,355,996	177,821	3,970,190	166,673	101,705	917,158	2,285,231	3,860,032	212,056	112,139	269,264	13,588,685	6,016,928	5,843,328	4,731,724	9,246,691	
Damasus SS	Warren Substation	Joffre Substation S1041	Piercebrook Substation															
247,269	2,956,679	-	1,334,590															

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	The forecast in Prior Year	=	(5,309,758)
242,174,543	247,484,301		<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

Interest 35.19a for March Current Yr		0.2800%			
Month	Yr	1/12 of Step 9	Interest 35.19a for March Current Yr	Months	Interest
Jun	Year 1	(442,480)	0.2800%	11.5	(14,248)
Jul	Year 1	(442,480)	0.2800%	10.5	(13,009)
Aug	Year 1	(442,480)	0.2800%	9.5	(11,770)
Sep	Year 1	(442,480)	0.2800%	8.5	(10,531)
Oct	Year 1	(442,480)	0.2800%	7.5	(9,292)
Nov	Year 1	(442,480)	0.2800%	6.5	(8,053)
Dec	Year 1	(442,480)	0.2800%	5.5	(6,814)
Jan	Year 2	(442,480)	0.2800%	4.5	(5,575)
Feb	Year 2	(442,480)	0.2800%	3.5	(4,336)
Mar	Year 2	(442,480)	0.2800%	2.5	(3,097)
Apr	Year 2	(442,480)	0.2800%	1.5	(1,858)
May	Year 2	(442,480)	0.2800%	0.5	(619)
Total		(5,309,758)			(5,398,962)
		Balance	Interest	Amort	Balance
Jun	Year 2	(5,398,962)	0.2800%	(458,144)	(4,956,035)
Jul	Year 2	(4,955,535)	0.2800%	(458,144)	(4,511,668)
Aug	Year 2	(4,511,668)	0.2800%	(458,144)	(4,066,157)
Sep	Year 2	(4,066,157)	0.2800%	(458,144)	(3,619,398)
Oct	Year 2	(3,619,398)	0.2800%	(458,144)	(3,171,388)
Nov	Year 2	(3,171,388)	0.2800%	(458,144)	(2,722,124)
Dec	Year 2	(2,722,124)	0.2800%	(458,144)	(2,271,602)
Jan	Year 3	(2,271,602)	0.2800%	(458,144)	(1,819,819)
Feb	Year 3	(1,819,819)	0.2800%	(458,144)	(1,366,771)
Mar	Year 3	(1,366,771)	0.2800%	(458,144)	(912,454)
Apr	Year 3	(912,454)	0.2800%	(458,144)	(456,365)
May	Year 3	(456,365)	0.2800%	(458,144)	(0)
Total with interest				(5,497,727)	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest

(5,497,727) Input to Appendix A, Line 143

Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)

\$

Revenue Requirement for Year 3

(5,497,727)

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)	Wylie Ridge (Monthly additions)	502 Junction - Territorial Line (Monthly additions)	Osage Whiteley	Armstrong	Farmers Valley	Harvey Run	Doubs SS
\$ (5,497,727)	(4,449)	(15,446)	(83,629)	58,673	(11,405)	(92,924)	(15,393)	(17,559)	1,297,504	(4,481)	(99,673)	(56,255)	(2,626,438)	(37,815)	(38,186)	(3,858)	(2,017)	(12,154)
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Guilford SS	Albiona	Blairville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Bartonville SS Capacitor	
(1,465,761)	(1,069)	(31,536)	(1,584)	(2,332)	(4,326)	(88,185)	(7,976)	(76,426)	(25,596)	(1,386)	(106,317)	(13,177)	(18,265)	(636,298)	(23,034)	(2,178)	(1,717)	
Yeagerstown	Rider	Monocacy SS	Shuman Hill Sub	Mainsburg SS	Johnston Sub Capacitor	Grover SS	Clayburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nywarner	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill	
(630)	(37,278)	(94,292)	(3,686)	(25,035)	770	(1,813)	(19,061)	(45,353)	(90,574)	(4,691)	(2,318)	(5,556)	(247,601)	(129,756)	(136,338)	(98,119)	(200,974)	
Damasus SS	Warren Substation	Joffre SS	Piercebrook SS															
5,305	(61,588)	-	(25,872)															

9 May Year 3

Post results of Step 8 on PJM web site

\$ (5,497,727)

10 June Year 3

Results of Step 8 go into effect

\$ (5,497,727)

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
B	145	FCR with Incentive ROE without Depreciation and Pre-Commercial
C		Line B less Line A
FCR if a CIAC		
D	138	FCR without Depreciation, Return, nor Income Taxes

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

		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)					Wyle 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		10.9150%						10.9150%				10.9150%			
FCR for This Project		11.5831%						10.9150%				11.5831%			
Investment		879,625,226						17,245,244				31,888,424			
Annual Depreciation Exp from Attachment 5		21,188,123						580,078				1,413,172			
	Invest Yr	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	
W/ Incentive ROE	2011	96,033,031.26	21,188,123.19	0.00	0.00	117,221,154.45	1,882,320.51	580,077.70	0.00	2,462,398.21	3,480,625.41	1,413,172.31	0.00	4,893,797.72	
W/ Incentive ROE	2011	101,911,321.38	21,188,123.19	0.00	0.00	123,099,444.57	1,882,320.51	580,077.70	0.00	2,462,398.21	3,693,678.42	1,413,172.31	0.00	5,106,850.73	

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.

1
 2
 3
 4
 5
 6
 7
 8
 9

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

18 See Calculations for each item below
 19 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%			
10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%			
1,540,927				6,227,534				5,881,765				4,958,595			
40,402				1,437,717				162,194				145,102			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
168,192.33	40,401.96	0.00	208,594.29	679,779.80	1,437,717.26	0.00	2,117,497.06	641,995.35	162,194.28	0.00	804,189.63	541,231.25	145,102.02	0.00	686,333.27
168,192.33	40,401.96	0.00	208,594.29	679,779.80	1,437,717.26	0.00	2,117,497.06	641,995.35	162,194.28	0.00	804,189.63	541,231.25	145,102.02	0.00	686,333.27

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

1
2
3
4
5
6
7
8
9

10
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%	
10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%			
30,709,125				4,213,579				3,026,168				4,274,284			
831,931				94,890				149,370				82,944			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
3,351,904.78	831,931.17	0.00	4,183,835.95	459,912.68	94,890.48	0.00	554,803.16	428,541.71	149,570.04	0.00	578,111.75	466,538.61	82,944.24	0.00	549,482.85
3,351,904.78	831,931.17	0.00	4,183,835.95	459,912.68	94,890.48	0.00	554,803.16	428,541.71	149,570.04	0.00	578,111.75	466,538.61	82,944.24	0.00	549,482.85

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

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%			
10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%			
6,075,878				13,618,653				1,940,177				722,248			
153,208				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
663,182.80	153,207.70	0.00	816,390.50	1,486,477.60	332,538.12	0.00	1,819,015.72	211,770.52	19,690.68	0.00	231,461.20	78,833.47	17,476.20	0.00	96,309.67
663,182.80	153,207.70	0.00	816,390.50	1,486,477.60	332,538.12	0.00	1,819,015.72	211,770.52	19,690.68	0.00	231,461.20	78,833.47	17,476.20	0.00	96,309.67

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

1
 2
 3
 4
 5
 6
 7
 8
 9

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

PJM Upgrade ID: b1803				PJM Upgrade ID: b1243				PJM Upgrade ID: b0674, b1023, b1023.3				PJM Upgrade ID: b1804					
Doble SS				Potter SS				Osage Whiteley				Meadowbrook SS					
Yes				Yes				Yes				Yes					
No				No				No				No					
11.70%				11.70%				11.70%				11.70%					
10.9150%				10.9150%				10.9150%				10.9150%					
10.9150%				10.9150%				10.9150%				10.9150%					
4,370,919				1,762,920				20,542,927				53,872,375					
104,032				31,383				595,847				0					
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Reconciliation Amount	Revenue	Return	Depreciation	Pre-Commercial Exp.	Reconciliation amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
477,086.32	104,032.44	0.00	581,118.76	192,423	31,383	0	0	226,806.33	2,242,263	595,847	0	0	2,838,109.75	5,880,176.37	0.00	0.00	5,880,176.37
477,086.32	104,032.44	0.00	581,118.76	192,423	31,383	0	0	226,806.33	2,242,263	595,847	0	0	2,838,109.75	5,880,176.37	0.00	0.00	5,880,176.37

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

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%			
10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%			
563,792				13,781,393				24,618,464				1,052,585			
13,814				124,532				662,037				25,345			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
61,537.95	13,813.68	0.00	75,351.63	1,504,240.76	124,532.16	0.00	1,628,772.92	2,687,108.37	662,036.60	0.00	3,349,144.97	114,889.73	25,345.20	0.00	140,234.93
61,537.95	13,813.68	0.00	75,351.63	1,504,240.76	124,532.16	0.00	1,628,772.92	2,687,108.37	662,036.60	0.00	3,349,144.97	114,889.73	25,345.20	0.00	140,234.93

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

1
 2
 3
 4
 5
 6
 7
 8
 9

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.
 17 Reconciliation - Average of 13 month prior year net plant
 balances plus prior year 13-mo CWIP balances.
 Annual Depreciation Exp from Attachment 5

18 See Calculations for each item below
 19 See Calculations for each item below
 20 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	11.70%			No	11.70%			No	11.70%			No	11.70%		
10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%			
1,555,760				11,161,018				31,697,946				2,908,185			
37,268				276,580				761,425				69,899			
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue
169,811.42	37,267.77	0.00	207,079.19	1,218,226.49	276,579.66	0.00	1,494,806.15	3,459,834.70	761,424.96	0.00	4,221,259.66	317,428.75	69,898.63	0.00	387,327.38
169,811.42	37,267.77	0.00	207,079.19	1,218,226.49	276,579.66	0.00	1,494,806.15	3,459,834.70	761,424.96	0.00	4,221,259.66	317,428.75	69,898.63	0.00	387,327.38

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 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

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

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			
Yes				Yes				Yes				Yes				Yes			
No				No				No				No				No			
11.70%				11.70%				11.70%				11.70%				11.70%			
10.9150%				10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%				10.9150%			
498,920				38,413,836				4,305,100				384,522				6,705,154			
11,958				923,734				104,416				9,216				158,081			
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
54,457.19	11,957.52	0.00	66,414.71	4,192,874.91	923,733.96	0.00	5,116,608.87	469,902.16	104,415.94	0.00	574,318.09	41,970.61	9,215.64	0.00	51,186.25	731,868.39	158,080.80	0.00	889,949.19
54,457.19	11,957.52	0.00	66,414.71	4,192,874.91	923,733.96	0.00	5,116,608.87	469,902.16	104,415.94	0.00	574,318.09	41,970.61	9,215.64	0.00	51,186.25	731,868.39	158,080.80	0.00	889,949.19

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

1
 2
 3
 4
 5
 6
 7
 8
 9

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 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

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

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		No		Yes		No		Yes		No		Yes		No		Yes		No		Yes		No	
11.70%		10.9150%		11.70%		10.9150%		11.70%		10.9150%		11.70%		10.9150%		11.70%		10.9150%		11.70%		10.9150%	
48,082,737		1,499,309		8,611,506		190,716		786,445		18,717		1,338,928		31,477		1,024,572		23,915		16,633,150		520,034	
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
5,248,236.64	1,499,309.07	0.00	6,747,545.71	939,946.89	190,715.52	0.00	1,130,662.41	85,840.54	18,716.83	0.00	104,557.37	146,144.13	31,476.72	0.00	177,620.85	111,832.18	23,914.59	0.00	135,746.77	1,815,510.41	520,034.32	0.00	2,335,544.73
5,248,236.64	1,499,309.07	0.00	6,747,545.71	939,946.89	190,715.52	0.00	1,130,662.41	85,840.54	18,716.83	0.00	104,557.37	146,144.13	31,476.72	0.00	177,620.85	111,832.18	23,914.59	0.00	135,746.77	1,815,510.41	520,034.32	0.00	2,335,544.73

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

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				Yes				Yes				Yes				Yes				Yes			
No				No				No				No				No				No			
11.70%				11.70%				11.70%				11.70%				11.70%				11.70%			
10.9150%				10.9150%				10.9150%				10.9150%				10.9150%				10.9150%			
10.9150%				10.9150%				10.9150%				10.9150%				10.9150%				10.9150%			
34,394,653				628,542				30,914,525				1,262,067				628,208				6,907,582			
801,815				14,538				595,666				28,918				11,307				163,194			
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
3,754,180.62	801,815.40	0.00	4,555,996.02	68,605.40	14,537.76	0.00	83,143.16	3,374,324.24	595,865.91	0.00	3,970,190.16	137,754.77	28,918.06	0.00	166,672.83	90,398.96	11,306.52	0.00	101,705.48	753,963.41	163,194.12	0.00	917,157.53
3,754,180.62	801,815.40	0.00	4,555,996.02	68,605.40	14,537.76	0.00	83,143.16	3,374,324.24	595,865.91	0.00	3,970,190.16	137,754.77	28,918.06	0.00	166,672.83	90,398.96	11,306.52	0.00	101,705.48	753,963.41	163,194.12	0.00	917,157.53

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

"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: 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				Yes				Yes				Yes				Yes			
No	11.70%			No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	10.9150%				10.9150%				10.9150%				10.9150%				10.9150%		
	10.9150%				10.9150%				10.9150%				10.9150%				10.9150%		
16,467,863				26,915,590				1,538,489				847,181				2,036,206			
487,761				922,192				44,130				19,869				47,011			
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
1,797,469.31	487,761.48	0.00	2,285,230.79	2,937,839.91	922,192.02	0.00	3,860,031.93	167,925.21	44,129.76	0.00	212,055.97	92,469.94	19,669.44	0.00	112,139.38	222,252.13	47,011.44	0.00	269,263.57
1,797,469.31	487,761.48	0.00	2,285,230.79	2,937,839.91	922,192.02	0.00	3,860,031.93	167,925.21	44,129.76	0.00	212,055.97	92,469.94	19,669.44	0.00	112,139.38	222,252.13	47,011.44	0.00	269,263.57

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

1
2
3
4
5
6
7
8
9

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.
 17 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	11.70%			No	11.70%			No	11.70%			No	11.70%			No	11.70%			No	11.70%		
	10.9150%				10.9150%				10.9150%				10.9150%				10.9150%				10.9150%		
	10.9150%				10.9150%				10.9150%				10.9150%				10.9150%				10.9150%		
	104,981,861				43,656,808				40,923,722				35,762,026				67,722,566				1,864,963		
	2,129,902				1,251,782				1,376,499				828,294				1,854,765				43,708		
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
11,458,783.04	2,129,901.65	0.00	13,588,684.69	4,765,145.90	1,251,782.09	0.00	6,016,927.99	4,466,829.25	1,376,498.89	0.00	5,843,328.14	3,903,429.54	828,294.43	0.00	4,731,723.97	7,391,926.34	1,854,765.00	0.00	9,246,691.34	203,560.99	43,707.96	0.00	247,268.95
11,458,783.04	2,129,901.65	0.00	13,588,684.69	4,765,145.90	1,251,782.09	0.00	6,016,927.99	4,466,829.25	1,376,498.89	0.00	5,843,328.14	3,903,429.54	828,294.43	0.00	4,731,723.97	7,391,926.34	1,854,765.00	0.00	9,246,691.34	203,560.99	43,707.96	0.00	247,268.95

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

1
2
3
4
5
6
7
8
9

10
11
12
13
14
15
16
17
18
19
20

"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: b2494				PJM Upgrade ID: s1041				PJM Upgrade ID: b2587						
Warren Substation				Joffre Substation S1041				Piercebrook Substation						
Yes				Yes				Yes						
No	11.70%			No	11.70%			No	11.70%					
	10.9150%				10.9150%				10.9150%					
	10.9150%				10.9150%				10.9150%					
	22,469,249				0				10,216,770					
	504,158				0				219,210					
Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Return	Depreciation	Reconciliation Amount	Revenue	Total	Incentive Charged	Revenue Credit
2,452,521.25	504,158.01	0.00	2,956,679.26	0.00	0.00	0.00	0.00	1,115,380.01	219,210.13	0.00	1,334,590.14	236,083,199.71		236,083,199.71
2,452,521.25	504,158.01	0.00	2,956,679.26	0.00	0.00	0.00	0.00	1,115,380.01	219,210.13	0.00	1,334,590.14	242,174,542.81	242,174,542.84	

\$6,091,343.13
 Ax A Line 148

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

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment B, 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 12/31/2020

	(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 Rates	Effective Cost Rate (Tables 2 and 3)	Weighted Debt Cost at t = N (j) * (i)
	Long Term Debt 12/31/2020									
	Plus Mortgage Bonds:									
(1)	3.85% Senior Unsecured Notes	12/11/2014	6/2/2025	\$ 550,000,000	\$ 545,247,429	\$ 547,990,012	12	\$ 547,990,012.00	88.00%	3.95%
(2)	3.76% Senior Unsecured Notes	10/16/2015	5/30/2025	\$ 75,000,000	\$ 74,437,647	\$ 74,742,188	12	\$ 74,742,188.00	12.002%	3.85%
	Total			\$ 625,000,000		\$ 622,732,200		\$ 622,732,200	100.000%	3.84%

i = 0/360
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).
Interest individual debenture debt cost calculations shall be taken to four decimals in percentages (2.930%, 5.2582%). Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (2.00%).
** The 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 12/31/2020

	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)	
	Long Term Debt Issuance/Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Recaptured 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 Note	12/11/2014	6/2/2025	\$ 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	5/30/2025	75,000,000		562,393			\$ 74,437,647	99.2502	0.03716	\$ 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 (C₁, C₂, 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
-------------------	----------------

Internal Rate of Return ¹	4.886348%
--------------------------------------	-----------

Based on following Financial Formula²:

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

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
		0.0037

After borrowing is at the midpoint (\$275,000)

	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	\$ 450,000,000					4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	\$ 350,000,000	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%			

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Year	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)	Interest at effective rate	Amortization of origination fees and commitment fees
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	9,265,045	31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	9,280,164	69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	9,215,438	137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	9,217,710	2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	9,242,502	125,384.16		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	9,123,160	155,047.57		(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	8,950,797	17,011.00		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	8,982,016	197,269.56		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	8,820,035	109,824.88		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	8,732,141	97,477.43		(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	8,674,702	43,098.82		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	8,635,005	13,267.50		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	8,626,253	1,577.79		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	8,668,760	62,776.98		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	8,611,650	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	55,351,963	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
--------------------------	-----------------------

Internal Rate of Return¹	4.886348%
Based on following Financial Formula²:	
$NPV = 0 = \sum_{t=1}^N \frac{C_t}{(1+IRR)^{pwr(t)}}$	

Origination Fees	7,780,954
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
		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 2021 Rate Year

May 17, 2021

ATTACHMENT H-18A

Trans-Allegheny Interstate Line Company			TrAILCo
Formula Rate -- Appendix A		Notes	FERC Form 1 Page # or Instruction
Shaded cells are input cells			2021 Forecast
Allocators			
Wages & Salary Allocation Factor			
1	Transmission Wages Expense		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	2,201,650,730
7	Total Plant In Service	(Line 6)	2,201,650,730
8	Accumulated Depreciation (Total Electric Plant)	Attachment 5	375,166,612
9	Total Accumulated Depreciation	(Line 8)	375,166,612
10	Net Plant	(Line 7 - Line 9)	1,826,484,118
11	Transmission Gross Plant	(Line 15 + Line 21)	2,201,650,730
12	Gross Plant Allocator	(Line 11 / Line 7, if Line 7=0, enter 100%)	100.0000%
13	Transmission Net Plant	(Line 11 - Line 29)	1,826,484,118
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	2,077,276,433
16	New Trans. Plant Adds. for Current Calendar Year (13 average balance)	(Note B) Attachment 6	28,884,746
17	Total Transmission Plant	(Line 15 + Line 16)	2,106,161,179
18	General & Intangible	Attachment 5	124,374,297
19	Total General & Intangible	(Line 18)	124,374,297
20	Wage & Salary Allocator	(Line 5)	100.0000%
21	Transmission Related General and Intangible Plant	(Line 19 * Line 20)	124,374,297
22	Transmission Related Plant	(Line 17 + Line 21)	2,230,535,476
Accumulated Depreciation			
23	Transmission Accumulated Depreciation	(Note B) Attachment 5	338,667,126
24	Accumulated General Depreciation	Attachment 5	14,821,108
25	Accumulated Intangible Amortization	Attachment 5	21,678,378
26	Total Accumulated General and Intangible Depreciation	(Sum Lines 24 to 25)	36,499,486
27	Wage & Salary Allocator	(Line 5)	100.0000%
28	Transmission Related General & Intangible Accumulated Depreciation	(Line 26 * Line 27)	36,499,486
29	Total Transmission Related Accumulated Depreciation	(Line 23 + Line 28)	375,166,612
30	Total Transmission Related Net Property, Plant & Equipment	(Line 22 - Line 29)	1,855,368,864

Adjustment To Rate Base

31	Accumulated Deferred Income Taxes			
	ADIT net of FASB 106 and 109	Enter Negative	Attachment 1	-416,239,270
32	Transmission Related Accumulated Deferred Income Taxes		(Line 31)	-416,239,270
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	301,124
	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)	13,647,422
43	1/8th Rule		1/8	12.5%
44	Transmission Related Cash Working Capital		(Line 42 * Line 43)	1,705,928
45	Total Adjustment to Rate Base		(Lines 32 + 33 + 34 + 35+ 36 + 41 + 44)	-414,232,218
46	Rate Base		(Line 30 + Line 45)	1,441,136,646

O&M

	Transmission O&M			
47	Transmission O&M		p321.112.b	9,883,996
48	Less Account 566 Misc Trans Exp listed on line 73 below.)		(line 73)	932,154
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)	8,951,842
	A&G Expenses			
53	Total A&G			3,763,426
54	Less Property Insurance Account 924		p323.185.b	108,828
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)	3,654,598
60	Wage & Salary Allocator		(Line 5)	100.0000%
61	Transmission Related A&G Expenses		(Line 59 * Line 60)	3,654,598
	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	108,828
66	General Advertising Exp Account 930.1	(Note F)	Attachment 5	0
67	Total Accounts 928 and 930.1 - General		(Line 65 + Line 66)	108,828
68	Net Plant Allocator		(Line 14)	100.0000%
69	A&G Directly Assigned to Transmission		(Line 67 * Line 68)	108,828
	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	932,154
73	Total Account 566		Sum (Lines 70 to 72)	932,154
74	Total Transmission O&M		(Lines 52 + 61 + 64 + 69 + 73)	13,647,422

Depreciation & Amortization Expense				
Depreciation Expense				
75	Transmission Depreciation Expense		Attachment 5	44,190,490
76	General Depreciation		Attachment 5	2,712,009
77	Intangible Amortization	(Note A)	Attachment 5	4,218,172
78	Total		(Line 76 + Line 77)	6,930,181
79	Wage & Salary Allocator		(Line 5)	100.0000%
80	Transmission Related General Depreciation and Intangible Amortization		(Line 78 * Line 79)	6,930,181
81	Total Transmission Depreciation & Amortization		(Lines 75 + 80)	51,120,671
Taxes Other than Income				
82	Transmission Related Taxes Other than Income		Attachment 2	14,722,684
83	Total Taxes Other than Income		(Line 82)	14,722,684
Return / Capitalization Calculations				
84	Preferred Dividends	enter positive	p118.29.c	0
Common Stock				
85	Proprietary Capital		p112.16.c	937,667,529
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)	937,667,529
Capitalization				
90	Long Term Debt	(Note N)		624,823,644
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)	624,823,644
95	Preferred Stock		p112.3.c	0
96	Common Stock		(Line 89)	937,667,529
97	Total Capitalization		(Sum Lines 94 to 96)	1,562,491,173
98	Debt %	Total Long Term Debt	(Note N) (Line 94 / Line 97)	39.9889%
99	Preferred %	Preferred Stock	(Note N) (Line 95 / Line 97)	0.0000%
100	Common %	Common Stock	(Note N) (Line 96 / Line 97)	60.0111%
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)	0.0158
105	Weighted Cost of Preferred	Preferred Stock	(Line 99 * Line 102)	0.0000
106	Weighted Cost of Common	Common Stock	(Line 100 * Line 103)	0.0702
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)	123,892,476

Composite Income Taxes			
Income Tax Rates			
109	FIT=Federal Income Tax Rate	(Note H)	21.00%
110	SIT=State Income Tax Rate or Composite		7.51%
111	p	(percent of federal income tax deductible for state purp Per State Tax Code	0.00%
112	T	$T=1 - \frac{((1 - SIT) * (1 - FIT))}{(1 - SIT * FIT * p)}$	26.93%
113	T/(1-T)		36.86%
114	Income Tax Component =	$CIT=(T/(1-T)) * Investment\ Return * (1-(WCLTD/R)) = [Line\ 113 * Line\ 108 * (1 - (Line\ 104 / Line\ 107))]$	37,300,227
115	Total Income Taxes	(Line 114)	37,300,227

REVENUE REQUIREMENT

Summary			
116	Net Property, Plant & Equipment	(Line 30)	1,855,368,864
117	Total Adjustment to Rate Base	(Line 45)	-414,232,218
118	Rate Base	(Line 46)	1,441,136,646
119	Total Transmission O&M	(Line 74)	13,647,422
120	Total Transmission Depreciation & Amortization	(Line 81)	51,120,671
121	Taxes Other than Income	(Line 83)	14,722,684
122	Investment Return	(Line 108)	123,892,476
123	Income Taxes	(Line 115)	37,300,227

124	Gross Revenue Requirement	(Sum Lines 119 to 123)	240,683,479
------------	----------------------------------	-------------------------------	--------------------

Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
125	Transmission Plant In Service	(Line 22)	2,230,535,476
126	Excluded Transmission Facilities	(Note L) Attachment 5	0
127	Included Transmission Facilities	(Line 125 - Line 126)	2,230,535,476
128	Inclusion Ratio	(Line 127 / Line 125)	100.00%
129	Gross Revenue Requirement	(Line 124)	240,683,479
130	Adjusted Gross Revenue Requirement	(Line 128 * Line 129)	240,683,479

Revenue Credits			
131	Revenue Credits	Attachment 3	3,367,845

132	Net Revenue Requirement	(Line 130 - Line 131)	237,315,634
------------	--------------------------------	------------------------------	--------------------

Net Plant Carrying Charge			
133	Net Revenue Requirement	(Line 132)	237,315,634
134	Net Transmission Plant + CWIP	(Line 17 - Line 23 + Line 33)	1,767,494,053
135	FCR	(Line 133 / Line 134)	13.4267%
136	FCR without Depreciation	(Line 133 - Line 75) / Line 134	10.9265%
137	FCR without Depreciation and Pre-Commercial Costs	(Line 133 - Line 70 - Line 71 - Line 75) / Line 134	10.9265%
138	FCR without Depreciation, Return, nor Income Taxes	(Line 133 - Line 75 - Line 108 - Line 115) / Line 134	1.8067%

Net Plant Carrying Charge Calculation with Incentive ROE			
139	Net Revenue Requirement Less Return and Taxes	(Line 132 - Line 122 - Line 123)	76,122,931
140	Increased Return and Taxes	Attachment 4	173,029,170
141	Net Revenue Requirement with Incentive ROE	(Line 139 + Line 140)	249,152,101
142	Net Transmission Plant + CWIP	(Line 17 - Line 23+ Line 33)	1,767,494,053
143	FCR with Incentive ROE	(Line 141 / Line 142)	14.0963%
144	FCR with Incentive ROE without Depreciation	(Line 141 - Line 75) / Line 142	11.5962%
145	FCR with Incentive ROE without Depreciation and Pre-Commercial	(Line 141 - Line 70 - Line 71 - Line 75) / Line 142	11.5962%

Net Revenue Requirement			
146	Net Revenue Requirement	(Line 132)	237,315,633.82
147	Reconciliation amount	Attachment 6	-5,497,726.74
148	Plus any increased ROE calculated on Attach 7 other than PJM Sch. 12 projects not paid by other PJM trans zones	Attachment 7	6,041,157.23
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)	237,859,064.31
------------	--------------------------------------	------------------------------	-----------------------

Network Zonal Service Rate			
151	1 CP Peak	(Note K)	N/A
152	Rate (\$/MW-Year)	PJM Data (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 <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	569,936,139	569,588,413	569,588,413		569,588,413	-	-	569,588,413
2 ADIT-283 From Account Total Below	89,318,035	85,869,051	85,869,051		84,761,597	-	-	84,761,597
3 ADIT-190 From Account Total Below	(237,967,039)	(239,223,146)	(243,146,611)		(238,110,740)	-	-	(238,110,740)
4 Subtotal					416,239,270	-	-	416,239,270
5 Wages & Salary Allocator							100.0000%	
6 Gross Plant Allocator						100.0000%		
7 ADIT					416,239,270	-	-	416,239,270

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	3	(7)	(7)			(7)			Additional tax depreciation over book
AFUDC Debt-VA-Norm-Incurred-CWIF	-	(1)	(1)			(1)			Portion of AFUDC Debt that relates to property and booked to account 189
AMT Carryforward	641,329	-	-			-			Paid AMT tax which generates a credit
Charitable Contribution - VA RTA	182	102	102		102				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution - WV RTA	1,636	1,582	1,582		1,582				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
Charitable Contribution Carryforward	2,436	2,131	2,131		2,131				Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm	1,401,210	1,269,101	1,269,101			1,269,101			Taxable CIAC
CIAC-Fed-Norm-Incurred-CWIP	1,892,585	1,892,585	1,892,585			1,892,585			Taxable CIAC
CIAC-MD-Norm-Incurred-CWIF	21,595	21,595	21,595			21,595			Taxable CIAC
CIAC-PA-Norm	110,050	98,596	98,596			98,596			Taxable CIAC
CIAC-PA-Norm-Incurred-CWIF	71,176	71,176	71,176			71,176			Taxable CIAC
CIAC-VA-Norm	(33,985)	(35,004)	(35,004)			(35,004)			Taxable CIAC
CIAC-VA-Norm-Incurred-CWIF	20,558	20,558	20,558			20,558			Taxable CIAC
CIAC-WV-Norm	113,461	96,259	96,259			96,259			Taxable CIAC
CIAC-WV-Norm-Incurred-CWIP	157,678	157,677	157,677			157,677			Taxable CIAC
Deferral Amortization of Excess Def Income Taxes	4,109,966	3,923,465	3,923,465			3,923,465			Resulting from deferral of refund of excess ADIT due to customers
FASB 109 Gross-UP	(5,648,441)	(1,935,983)	(1,935,983)			(1,935,983)			Reclass of the tax portion (gross-up) for property items included in account 190
Federal NOL	139,550,451	143,291,694	143,291,694			143,291,694			Result of bonus depreciation
Merger Costs: D&O Insurance	674	566	566		566				Costs incurred as a result of Allegheny merging with FirstEnergy which are not to be included within the revenue requirement
Merger Costs: Licenses	31,102	26,137	26,137			26,137			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	1,939,726	805,160	805,160			805,160			Result of bonus depreciation
NOL Deferred Tax Asset - LT WV	18,117,327	18,308,323	18,308,323			18,308,323			Result of bonus depreciation
Pension EDCP-SERP Payments	-	3,121	3,121		3,121				Pension related temporary difference associated with Service Company allocations
Pension OPEB - Other Deferred Credit or Debit	2,135,099	2,122,361	2,122,361			2,122,361			Pension related temporary difference associated with Service Company allocations
Purchase Accounting-LTD FMV	1,142,050	1,104,904	1,104,904		1,104,904				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	1,324,983	1,028,829	1,028,829			1,028,829			Deductions related to state income taxes
Tax Interest Capitalized-Fed-Norm	28,215,976	27,497,168	27,497,168			27,497,168			Actual amount of tax interest capitalized
Tax Interest Capitalized-Fed-Norm-Incurred-CWIP	32,695,354	33,030,082	33,030,082			33,030,082			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm	389,855	389,599	389,599			389,599			Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Incurred-CWIF	313,896	320,872	320,872			320,872			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm	678,184	663,498	663,498			663,498			Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Incurred-CWIP	1,042,130	1,077,832	1,077,832			1,077,832			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm	478,967	466,976	466,976			466,976			Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Incurred-CWIP	337,100	342,323	342,323			342,323			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm	2,568,386	2,504,328	2,504,328			2,504,328			Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Incurred-CWIP	2,595,865	2,643,023	2,643,023			2,643,023			Actual amount of tax interest capitalized
Subtotal	236,428,564	241,210,628	241,210,628	-	1,112,406	240,098,222	-	-	
Less FASB 109 included above	(1,538,475)	1,987,482	(1,935,983)	-	-	1,987,482	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	237,967,039	239,223,146	243,146,611	-	1,112,406	238,110,740	-	-	

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					JUSTIFICATION
	Trans-Allegheny Interstate Company								
ADIT- 282	Beg of Year Balance p274.9.b	End of Year Balance p275.9.k	End of Year Est. for Final Total	Retail Related	Gas, Prod Or Other Related Related	Only Transmission Related Related	Plant Related Related	Labor Related Related	
A&G Expenses Capitalized	10,790,564	12,170,860	12,170,860			12,170,860			Basis difference relating to A&G expense
Accelerated Tax Depreciation	522,172,111	518,350,723	518,350,723			518,350,723			Additional tax depreciation over book
Additional State Depreciation MD	3,219,830	3,607,978	3,607,978			3,607,978			Temporary difference for additional state depreciation allowed for MD tax return
Additional State Depreciation PA	8,827,262	9,434,048	9,434,048			9,434,048			Temporary difference for additional state depreciation allowed for PA tax return
Additional State Depreciation VA	4,347,502	4,658,902	4,658,902			4,658,902			Temporary difference for additional state depreciation allowed for VA tax return
Additional State Depreciation WV	47,664,825	47,524,948	47,524,948			47,524,948			Temporary difference for additional state depreciation allowed for WV tax return
AFUDC Debt	4,157,312	4,243,691	4,243,691			4,243,691			Portion of AFUDC Debt that relates to property and booked to account 282
Capitalized Vertical Tree Trimming Cost of Removal	136,389 (2,420,551)	176,700 (2,359,564)	176,700 (2,359,564)			176,700 (2,359,564)			Temporary difference that is capitalized for book purposes but deductible for tax purposes Temporary difference arising for removal of plant/property
FASB 109 Gross-Up	(178,739,307)	(174,611,782)	(174,611,782)			(174,611,782)			Reclass of the tax portion (gross-up) for property items included in account 282
Other Basis Differences	(31,387,601)	(30,922,724)	(30,922,724)			(30,922,724)			Other property related temporary differences
Sale of Property - Book Gain or (Loss)	(338,594)	(338,396)	(338,396)			(338,396)			Residual basis differences between book and tax on property
T&D Repairs	3,019,105	3,199,188	3,199,188			3,199,188			Repair deduction on capitalized book asset deductible for tax purposes under Rev. Proc. 2011-43
Vegetation Management - Transmission	(252,016)	(157,942)	(157,942)			(157,942)			Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Subtotal	391,196,832	394,976,631	394,976,631	-	-	394,976,631	-	-	
Less FASB 109 included above	(178,739,307)	(174,611,782)	(174,611,782)	-	-	(174,611,782)	-	-	
Less FASB 106 included above									
Total	569,936,139	569,588,413	569,588,413	-	-	569,588,413	-	-	

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-CWIF	1	-	-	-	-	-	-	-	Portion of AFUDC debt that relates to property and booked to account 282
Charitable Contribution State & Local RTA	3,330	2,550	2,550	-	2,550	-	-	-	Disallowance in current year for charitable deduction due to tax loss, tax attribute carries forward five years
CIAC-Fed-Norm-Reversal-CWIF	1,993,378	1,892,595	1,892,595	-	-	1,892,595	-	-	Taxable CIAC
CIAC-MD-Norm	(78,348)	(74,075)	(74,075)	-	-	(74,075)	-	-	Taxable CIAC
CIAC-MD-Norm-Reversal-CWIF	23,936	21,916	21,916	-	-	-	21,916	-	Taxable CIAC
CIAC-PA-Norm-Reversal-CWIF	130,792	121,734	121,734	-	-	-	121,734	-	Taxable CIAC
CIAC-VA-Norm-Reversal-CWIF	16,595	14,552	14,552	-	-	-	14,552	-	Taxable CIAC
CIAC-WV-Norm-Reversal-CWIF	150,367	135,497	135,497	-	-	-	135,497	-	Taxable CIAC
Deferred Change-EIB	22,065	38,386	38,386	-	-	-	38,386	-	Allocated portion of total liabilities relating to captive insurance
FASB 109 Gross-Up	24,438,439	24,523,772	24,523,772	-	-	-	24,523,772	-	Reclass of the tax portion (gross-up) for property items included in account 283
PAA - LT Regulatory Asset Amort	1,142,050	1,104,904	1,104,904	-	1,104,904	-	-	-	Reflects the adjustments and subsequent amortization of adjusted debt balances associated with the FE/AYE merger
PJM Receivable	29,665,465	27,151,743	27,151,743	-	-	27,151,743	-	-	Comparison of actual to forecast revenues - non-property related
SC01 Timing Allocation	256,096	256,872	256,872	-	-	-	256,872	-	Timing differences related to service company allocations
Tax Interest Capitalized-Fed-Norm-Reversal-CWIF	32,375,068	32,437,733	32,437,733	-	-	-	32,437,733	-	Actual amount of tax interest capitalized
Tax Interest Capitalized-MD-Norm-Reversal-CWIF	310,780	312,079	312,079	-	-	-	312,079	-	Actual amount of tax interest capitalized
Tax Interest Capitalized-PA-Norm-Reversal-CWIF	1,037,239	1,044,525	1,044,525	-	-	-	1,044,525	-	Actual amount of tax interest capitalized
Tax Interest Capitalized-VA-Norm-Reversal-CWIF	332,913	333,724	333,724	-	-	-	333,724	-	Actual amount of tax interest capitalized
Tax Interest Capitalized-WV-Norm-Reversal-CWIF	2,566,965	2,575,555	2,575,555	-	-	-	2,575,555	-	Actual amount of tax interest capitalized
Valuation Allowance NOL WV	18,117,327	18,308,323	18,308,323	-	-	-	18,308,323	-	Valuation allowances recorded against state NOL carryforwards not expected to be realized
Vegetation Management	252,016	-	-	-	-	-	-	-	Vegetation management transmission corridor capital cost and depreciation expenses required for the regulatory financial statement schedules
Year-End Additional Temp Adjustments L/T	-	190,538	190,538	-	-	190,538	-	-	Other non-property related temporary differences
Subtotal	112,756,474	110,392,823	110,392,823	-	1,107,454	109,285,369	-	-	
Less FASB 109 included above	24,438,439	24,523,772	24,523,772	-	-	-	-	-	
Less FASB 106 included above	-	-	-	-	-	-	-	-	
Total	88,318,035	85,869,051	85,869,051	-	1,107,454	84,761,597	-	-	

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

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	2019 State Property WV	p263.31(i)	5,644,783	100.0000%	\$ 5,644,783
1.2	2020 State Property WV	p263.32(i)	5,750,000	100.0000%	5,750,000
1.3	2020 State Property PA (PURTA)	p263.21(i)	30,470	100.0000%	30,470
1.4	2019 Local Property WV	p263.39(i)	5,157	100.0000%	5,157
1.5	2020 Local Property WV	p263.40(i)	1,035	100.0000%	1,035
1.6	2020 Local Property VA	p263.1.3(i)	1,657,326	100.0000%	1,657,326
1.7	2020 Local Property PA	p263.1.6(i)	4,874	100.0000%	4,874
1.8	2019 Local Property MD	p263.1.9(i)	767,278	100.0000%	767,278
2.0	2020 Local Property MD	p263.1.10(i)	817,347	100.0000%	817,347
3	Total Plant Related		14,678,270	100.0000%	14,678,270
Labor Related		Wages & Salary Allocator			
4	Accrued Federal FICA		0		
5	MD Filing Fee	p263.12	300		
6	Federal - Excise	p263.6	1,726		
7	Federal - Other	p263.4	42,311		
8	Total Labor Related		44,337	100.0000%	44,337
Other Included		Gross Plant Allocator			
9	State Sales/Use Tax PA	p263.18(i)	77	100.0000%	77
10			0		0
11			0		0
12	Total Other Included		77	100.0000%	77
13	Total Included (Lines 4 + 8 + 12)		14,722,684		14,722,684 Input to Appendix A, Line 82
Retail Related Other Taxes to be Excluded					
14	Federal Income Tax	p263.2(i)	34,947,993		
15	Corporate Net Income Tax MD	p263.10(i)	299,182		
16	Corporate Net Income Tax PA	p263.16(i)	2,407,055		
17	Corporate Net Income Tax VA	p263.25(i)	212,999		
18	Corporate Net Income Tax WV	p263.29(i)	5,372,974		
19	Subtotal, Excluded		43,240,203		
20	Total, Included and Excluded (Line 13 + Line 19)		57,962,887		
21	Total Other Taxes from p114.14.c		14,722,684		
22	Difference (Line 20 - Line 21)		43,240,203		

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	3,367,845	
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)	3,367,845	
12	Less line 14g	-	
13	Total Revenue Credits (Line 11 - Line 12)	<u>3,367,845</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	3,367,845	
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.		

Trans-Allegheny Interstate Line Company

Attachment 4 - Calculation with Incentive ROE

A	Return and Taxes at High End of the range of Reasonableness				
	Return and Taxes at High End of the range of Reasonableness	(Sum Lines 26 and 33 from below)		173,029,170	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	1,441,136,646	
2	Preferred Dividends	enter positive	Appendix A, Line 84	0	
	Common Stock				
3	Proprietary Capital		Appendix A, Line 85	937,667,529	
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	937,667,529	
	Capitalization				
8	Long Term Debt		Appendix A, Line 90	624,823,644	
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	624,823,644	
13	Preferred Stock		Appendix A, Line 95	0	
14	Common Stock		Appendix A, Line 96	937,667,529	
15	Total Capitalization		Appendix A, Line 97	1,562,491,173	
16	Debt %	Total Long Term Debt	Appendix A, Line 98	39.9889%	
17	Preferred %	Preferred Stock	Appendix A, Line 99	0.0000%	
18	Common %	Common Stock	Appendix A, Line 100	60.0111%	
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)	0.0158	
23	Weighted Cost of Preferred	Preferred Stock	(Line 17 * 20)	0.0000	
24	Weighted Cost of Common	Common Stock	(Line 18 * 21)	0.0762	
25	Rate of Return on Rate Base (ROR)		(Sum Lines 22 to 24)	0.0920	
26	Investment Return = Rate Base * Rate of Return		(Line 1 * Line 25)	132,540,890	
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	7.51%	
29	p = percent of federal income tax deductible for state purposes		Appendix A, Line 111	0.00%	
30	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\}$	Appendix A, Line 112	26.93%	
31	T / (1-T)		Appendix A, Line 113	36.86%	
32	Income Tax Component =	$CIT=(T/(1-T)) * Investment Return * (1-(WCLTD/R)) =$		40,488,280	
33	Total Income Taxes		(Line 32)	40,488,280	

Trans-Allegheny Interstate Line Company

Attachment 5 - Cost Support

Plant in Service Worksheet		Attachment A Line #s, Descriptions, Notes, Form T Page #s and Instructions															
		13 Month Balance for Reconciliation		EOY Balance for Estimate													
		Total		Back Oak	Wyle Ridge	502 Junction - Terminal Line	Pulley St	Oxap/Wiskey	Meadowbrook Transformer	North Shawansub	Bedington Transformer	Westwooda Center	Kemper	Doubs #2 Trans	Doubs #3 Trans	Doubs #4 Trans	
Calculation of Transmission Plant in Service																	
December	p206 SS-b	For 2019	2,077,209,905														
January	company records	For 2020	2,073,240,912	48,682,193	17,891,029	1,071,958,498	2,022,554	24,558,615	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 2020	2,073,318,241	48,682,193	17,891,029	1,071,718,171	2,022,554	24,558,620	8,206,718	1,923,902	7,723,538	6,486,620	39,616,812	5,149,271	4,686,053	5,691,357	
March	company records	For 2020	2,073,445,705	48,688,020	17,891,029	1,071,780,702	2,022,554	24,558,620	8,206,718	1,923,902	7,723,538	6,486,620	39,615,812	5,149,271	4,686,053	5,691,357	
April	company records	For 2020	2,073,921,857	48,688,880	17,891,029	1,071,891,426	2,022,554	24,558,620	8,206,718	1,923,902	7,723,538	6,486,620	39,615,812	5,149,271	4,686,053	5,691,357	
May	company records	For 2020	2,073,946,821	48,688,841	17,891,029	1,071,793,322	2,022,554	24,558,175	8,206,718	1,923,902	7,723,538	6,486,620	39,615,812	5,149,271	4,686,053	5,691,357	
June	company records	For 2020	2,074,563,826	48,889,874	17,891,029	1,072,094,193	2,022,554	24,558,508	8,206,718	1,923,902	7,723,538	6,486,620	39,616,812	5,149,271	4,686,053	5,691,357	
July	company records	For 2020	2,074,966,192	48,893,542	17,891,029	1,071,793,821	2,022,554	24,558,508	8,206,718	1,923,902	7,723,538	6,486,620	39,616,812	5,149,271	4,686,053	5,691,357	
August	company records	For 2020	2,074,383,355	48,893,292	17,891,029	1,071,776,399	2,022,554	24,558,508	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
September	company records	For 2020	2,075,004,293	48,893,446	17,891,029	1,071,811,613	2,022,554	24,558,813	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
October	company records	For 2020	2,075,417,189	48,894,132	17,891,029	1,071,949,740	2,022,554	24,558,813	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
November	company records	For 2020	2,075,794,777	48,894,521	17,795,274	1,071,956,936	2,022,554	24,557,947	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
December	p207 SS-g	For 2020	2,077,979,433	48,894,342	17,795,494	1,072,948,397	2,022,554	24,557,282	8,206,718	1,923,902	7,723,538	6,486,620	39,616,235	5,149,271	4,686,053	5,691,357	
15	Transmission Plant in Service		2,074,739,388	2,077,276,433	48,890,181	17,795,226	1,071,914,502	2,022,554	24,542,612	8,206,718	1,923,902	7,723,538	6,486,620	39,615,712	5,149,271	4,686,053	5,691,357

Details																	
13 Month Plant Balance For reconciliation																	
Cabot SS	Armstrong	Farmers Valley Capacitor	Harvey Run Capacitor	Doubs SS	Meadenbrook SS	Marionville Capacitor	902 Jct Substation	Conemaugh Seward	Luxor	Grandpoint & Gulford	Heldsone Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
7,294,216	15,623,574	2,067,321	832,202	5,024,491	61,511,353	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,294,044	15,623,574	2,067,321	832,202	5,024,491	61,511,353	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,294,044	15,623,574	2,067,321	832,202	5,024,491	61,511,354	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,294,044	15,623,574	2,067,321	832,202	5,024,491	61,511,423	657,191	14,710,388	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,294,375	15,623,574	2,067,321	832,202	5,024,491	61,511,423	657,191	14,711,059	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,294,391	15,623,574	2,067,321	832,202	5,024,491	61,511,480	657,191	14,710,776	28,310,807	1,199,446	1,781,380	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,295,433	15,623,574	2,067,321	832,202	5,024,491	61,514,659	657,191	14,710,776	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,295,254	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,710,776	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,327,672	569,408	43,982,577	4,942,684	438,837
7,296,004	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,734,112	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,330,160	569,408	43,982,577	4,942,684	438,837
7,295,900	15,623,574	2,067,321	832,202	5,024,491	61,514,224	657,191	14,734,103	28,310,807	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	43,982,577	4,942,684	438,837
7,296,133	15,623,986	2,067,321	832,202	5,024,491	61,515,429	657,191	14,734,383	28,417,919	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	43,982,577	4,942,684	438,837
7,297,716	15,623,986	2,067,321	832,202	5,024,491	61,579,623	657,191	14,734,393	28,421,839	1,199,446	1,781,143	12,863,994	36,258,335	3,329,830	569,408	44,021,169	4,942,684	438,837
7,297,852	15,623,986	2,067,321	832,202	5,024,491	61,579,924	657,191	14,734,563	28,424,330	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
7,295,314	15,623,669	2,067,321	832,202	5,024,491	61,523,146	657,191	14,715,739	28,337,859	1,199,446	1,781,252	12,863,994	36,258,335	3,326,527	569,408	43,983,383	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	Clayburg Ring Bus	Johannson SS	Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagertown	Nyswener	Oak Mound	Joffre SS	Erie South	Ferners Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercesbrook SS	Total	
7,527,658	59,422,060	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,374,188	2,268,540	38,181,684	32,722,289	1,135,027	936,641	112,116,884	47,541,270	48,563,591	39,113,989	74,383,145	2,081,326	23,994,403	24,002,705	24,003,975	10,424,551	2,077,328,355.93
7,527,658	55,146,693	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,777,795	2,268,540	38,181,684	32,802,133	1,135,027	936,641	112,074,263	47,542,523	48,563,914	39,113,989	74,384,091	2,081,326	24,002,705	24,003,975	10,424,551	2,074,240,911.95	
7,527,658	55,214,877	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,782,439	2,268,540	38,181,684	32,802,089	1,135,027	936,641	112,080,441	47,542,211	48,564,089	39,113,989	74,384,947	2,081,326	24,003,975	24,003,975	10,424,551	2,073,311,241.49	
7,527,658	55,230,066	9,875,169	891,283	1,490,386	692,272	18,700,194	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,784,054	2,268,540	38,181,684	32,917,918	1,135,027	936,641	112,088,041	47,544,275	48,564,069	39,113,989	74,384,089	2,081,326	24,003,975	24,003,975	10,424,551	2,073,445,705.39	
7,527,658	55,238,040	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,785,000	2,268,540	38,181,684	32,964,008	1,135,027	936,641	112,116,705	47,703,797	48,564,069	39,115,082	74,384,965	2,081,326	24,003,975	24,003,975	10,427,506	2,075,821,856.97	
7,527,658	55,239,118	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,786,802	2,268,540	38,181,684	32,976,695	1,135,027	936,641	112,145,483	47,703,826	48,564,069	39,115,082	74,384,945	2,081,326	24,003,975	24,003,975	10,427,506	2,075,946,802.93	
7,527,658	55,241,575	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,788,803	2,268,540	38,181,684	33,138,985	1,135,027	936,641	112,112,239	47,712,608	48,564,435	39,115,082	74,389,521	2,081,326	24,003,975	24,003,975	10,567,912	2,074,821,856.97	
7,527,658	55,462,781	9,875,169	891,283	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,788,803	2,268,540	38,181,684	32,989,838	1,135,027	936,641	112,149,880	47,712,608	48,564,435	39,115,082	74,390,397	2,081,326	24,003,975	24,003,975	10,427,506	2,075,065,120.25	
7,527,658	55,556,450	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,797,406	2,268,540	38,181,684	32,984,431	1,135,027	936,641	112,287,259	47,712,281	48,564,305	39,115,082	74,391,273	2,081,326	24,003,975	24,003,975	10,428,307	2,074,383,335.16	
7,527,658	56,029,867	9,875,169	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,786,464	2,268,540	38,181,684	32,988,495	1,135,027	936,641	112,276,935	47,713,008	48,564,121	39,115,082	74,392,149	2,081,326	24,003,975	24,003,975	10,428,307	2,075,004,298.88	
7,527,658	56,070,660	9,875,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,803,373	2,268,540	38,181,684	32,988,495	1,135,027	936,641	112,293,397	47,713,035	48,568,814	39,115,082	74,393,025	2,081,326	24,003,975	24,003,975	10,428,307	2,075,417,188.65	
7,527,658	56,516,669	9,875,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,814,779	2,268,540	38,181,684	32,986,520	1,135,027	936,641	112,316,804	47,713,061	48,570,682	39,115,082	74,393,901	2,081,326	24,003,975	24,003,975	10,428,307	2,075,794,776.64	
7,527,658	56,930,614	9,875,164	891,272	1,490,386	692,272	18,832,998	31,318,256	1,754,277	7,730,920	1,368,881	885,549	18,821,215	2,268,540	38,181,684	32,986,519	1,135,027	936,641	112,339,919	47,713,045	48,570,682	39,115,082	74,394,777	2,081,326	24,003,975	24,003,975	10,428,307	2,077,279,432.88	
7,527,658	55,967,653	9,875,168	891,279	1,490,386	692,272	18,792,135	31,318,256	1,754,277	7,730,920	1,403,657	885,549	18,789,236	2,268,540	38,181,684	32,956,430	1,135,027	936,641	112,181,815	47,659,224	48,565,600	39,114,745	74,386,100	2,081,326	24,003,143	24,003,975	10,447,352	2,074,99,267.70	

Trans-Allegheny Interstate Line C

		Attachment 5 - Cost Support		Link to Appendix A, line 15	
Calculation of Distribution Plant In Service					
	Source				
December	p206.75.b	For 2019	-		
January	company records	For 2020	-		
February	company records	For 2020	-		
March	company records	For 2020	-		
April	company records	For 2020	-		
May	company records	For 2020	-		
June	company records	For 2020	-		
July	company records	For 2020	-		
August	company records	For 2020	-		
September	company records	For 2020	-		
October	company records	For 2020	-		
November	company records	For 2020	-		
December	p207.76.g	For 2020	-		
Distribution Plant In Service					
Calculation of Intangible Plant In Service					
	Source				
December	p204.5.b	For 2019	41,788,918		45,687,165
December	p205.5.g	For 2020	45,687,165		45,687,165
18	Intangible Plant In Service		87,476,083		91,374,330
				Link to Appendix A, line 18	
Calculation of General Plant In Service					
	Source				
December	p206.99.b	For 2019	76,580,316		-
December	p207.99.g	For 2020	79,687,132		79,687,132
18	General Plant In Service		156,267,448		79,687,132
				Link to Appendix A, line 18	
Calculation of Production Plant In Service					
	Source				
December	p204.46b	For 2019	-		
January	company records	For 2020	-		
February	company records	For 2020	-		
March	company records	For 2020	-		
April	company records	For 2020	-		
May	company records	For 2020	-		
June	company records	For 2020	-		
July	company records	For 2020	-		
August	company records	For 2020	-		
September	company records	For 2020	-		
October	company records	For 2020	-		
November	company records	For 2020	-		
December	p205.46.g	For 2020	-		
Production Plant In Service					
				Link to Appendix A, line 6	
6	Total Plant In Service	Sum of averages above	2,196,111,133		2,201,656,730
				Link to Appendix A, line 6	

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 & Gulford	Handsome Lake - Homer City	Altoona	Blairsville	Carbon Center	Hunterstown	Johnstown	Buffalo Road
1,142,837	1,838,747	117,259	101,212	607,557	7,213,203	86,432	876,085	3,488,681	134,189	206,977	1,554,286	4,179,276	385,398	64,509	5,112,719	569,786	42,757
1,150,403	1,866,452	118,340	102,072	610,222	7,119,464	87,643	886,455	3,445,695	138,201	210,885	1,597,734	4,242,129	391,221	65,505	5,188,489	574,435	50,475
1,168,368	1,894,170	120,581	104,128	618,895	7,225,726	88,734	898,836	3,408,816	138,413	213,189	1,615,763	4,308,581	397,245	66,502	5,208,658	587,085	51,243
1,186,134	1,921,882	122,922	105,984	627,565	7,331,487	89,945	912,213	3,353,843	140,205	216,295	1,633,811	4,376,033	402,866	67,499	5,243,608	595,755	52,071
1,193,900	1,949,593	123,862	107,247	634,234	7,438,248	91,096	927,591	3,309,071	142,037	219,401	1,656,879	4,433,485	408,891	68,495	5,420,597	604,385	52,779
1,206,665	1,977,305	125,003	108,497	644,903	7,544,509	92,246	937,969	3,264,188	144,749	222,507	1,679,928	4,496,937	414,515	69,492	5,491,567	613,034	53,541
1,219,432	2,005,016	127,144	109,953	653,573	7,650,770	93,399	949,346	3,179,326	146,881	225,389	1,703,976	4,560,389	420,338	70,488	5,574,536	620,348	54,313
1,232,199	2,032,728	128,785	111,410	662,242	7,757,031	94,550	960,724	3,174,463	148,974	228,482	1,728,025	4,623,841	426,162	71,485	5,651,506	628,094	55,083
1,244,967	2,060,439	130,426	112,866	670,911	7,863,293	95,701	973,102	3,029,581	151,066	231,604	1,749,072	4,687,293	431,987	72,481	5,728,475	636,887	55,851
1,257,735	2,088,151	132,067	114,322	679,581	7,969,554	96,852	985,479	3,084,768	153,158	234,709	1,771,120	4,750,745	437,815	73,478	5,802,449	645,680	56,619
1,270,504	2,115,862	133,708	115,779	688,250	8,075,815	98,003	997,857	3,039,809	155,310	237,815	1,795,168	4,814,197	443,642	74,474	5,882,414	654,478	57,387
1,283,274	2,143,574	135,349	117,235	696,920	8,182,076	99,154	1,010,235	3,095,206	157,402	240,920	1,818,217	4,877,649	449,469	75,471	5,959,418	663,271	58,155
1,296,045	2,171,286	136,990	118,691	705,589	8,288,337	100,305	1,026,614	3,050,503	159,594	244,025	1,841,266	4,941,101	455,296	76,467	6,036,403	672,064	58,923
1,219,436	2,005,016	127,144	109,953	603,573	7,650,770	93,399	938,346	3,179,395	146,861	225,492	1,702,976	4,560,389	420,342	70,488	5,574,547	637,085	54,315

Moshannon	Waldo Run	Four Mile Junction	West Union SS	Shuman Hill Mobiley	Bartonville	Squab Hollow SS	Squab Hollow SVC	Shingletown	Claysburg Ring Bus	Johnstown SS Capacitor	Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yaegerstown	Hyswener	Oak Mound	Juffe SS	Erie South	Farmers Valley Substation	Richwood Hill	Damascus SS	Warren Substation	Piercetbrook SS	Total
743,463	7,112,912	966,304	26,476	136,720	59,482	2,280,824	3,941,606	137,724	741,741	127,917	51,688	1,393,256	208,238	3,586,123	1,811,420	38,537	79,625	6,135,640	3,770,967	4,303,630	2,338,718	5,730,219	188,859	1,281,820	119,344	234,797,491
756,637	7,241,058	984,197	97,655	138,343	57,473	2,121,913	4,616,449	137,461	735,340	129,816	52,850	1,643,759	212,746	3,456,841	1,768,117	100,323	81,264	6,319,461	3,469,972	5,086,346	3,037,664	5,869,774	186,161	1,328,824	137,423	234,797,491
789,610	7,371,117	1,009,090	88,566	140,886	58,886	2,181,373	4,999,292	201,079	789,840	132,308	59,372	1,987,668	216,664	3,519,759	1,837,702	102,269	82,303	6,490,167	3,588,079	5,183,051	3,078,690	6,049,330	201,794	1,365,837	156,674	234,797,491
782,884	7,300,392	1,019,983	100,195	142,990	60,696	2,201,901	4,716,138	264,786	792,339	134,703	64,514	2,031,542	220,081	3,468,077	1,887,208	104,496	84,642	6,497,467	3,699,198	5,297,767	3,145,696	6,209,888	204,436	1,407,851	175,309	305,569,617
796,137	7,459,567	1,031,876	101,714	146,213	61,307	2,242,550	4,246,979	299,454	796,139	137,099	59,457	2,075,419	224,499	3,465,395	1,936,807	106,482	89,182	6,844,808	3,703,437	5,412,462	3,214,702	6,357,447	209,078	1,449,866	192,141	309,244,628
802,303	7,599,852	1,047,788	102,214	148,636	62,519	2,293,313	4,326,823	212,111	802,308	139,494	59,399	2,119,299	228,417	3,729,213	1,996,517	108,466	87,821	7,022,264	3,893,825	5,507,167	3,383,710	6,512,009	212,221	1,491,880	210,460	312,962,288
822,504	7,888,058	1,093,862	104,894	151,459	63,700	2,324,076	4,402,866	215,769	823,328	141,734	57,341	2,182,823	232,334	3,787,031	2,036,300	110,465	89,400	7,199,597	4,002,222	5,641,873	3,352,718	6,866,373	218,363	1,533,894	229,782	316,607,859
832,677	8,017,600	1,079,956	105,284	154,860	64,942	2,394,939	4,478,519	219,466	832,677	143,728	58,385	2,204,009	236,452	3,803,949	2,090,695	112,441	91,009	7,379,607	4,108,626	5,704,579	3,421,726	6,951,138	220,905	1,576,968	241,601	320,592,562
848,851	8,147,239	1,056,448	107,893	156,705	66,153	2,458,602	4,558,354	221,144	850,837	145,040	59,225	2,234,870	240,189	3,929,867	2,135,754	114,427	92,738	7,534,642	4,211,051	5,871,286	3,490,733	6,976,794	223,448	1,617,622	263,943	323,967,931
862,024	8,237,459	1,113,341	109,513	159,329	67,385	2,446,565	4,633,197	225,821	864,136	146,400	60,168	2,277,762	244,087	3,987,488	2,184,412	116,414	94,377	7,702,813	4,215,483	5,990,984	3,559,741	7,129,272	227,280	1,659,968	283,619	327,861,975
875,197	8,408,318	1,127,254	111,073	161,951	68,576	2,487,128	4,710,041	230,469	877,736	150,840	61,110	2,303,666	248,005	4,054,303	2,225,071	118,400	96,016	7,809,916	4,419,840	6,100,795	3,628,749	7,289,641	230,932	1,701,960	301,877	331,560,534
888,331	8,639,005	1,148,127	112,692	164,574	69,788	2,537,081	4,798,884	234,176	891,300	153,280	62,050	2,393,586	251,922	4,121,120	2,294,790	120,380	97,858	8,007,600	4,524,244	6,215,431	3,697,797	7,439,412	238,576	1,742,684	303,144	336,066,426
901,544	8,811,044	1,159,629	114,332	167,187	70,950	2,566,064	4,901,709	237,654	894,308	155,792	62,964	2,495,521	255,940	4,197,699	2,324,300	122,372	99,266	8,286,442	4,629,649	6,301,140	3,796,764	7,599,864	239,917	1,786,178	305,611	338,667,128
822,504	7,884,916	1,063,662	104,894	151,459	63,730	2,324,272	4,402,866	215,769	823,338	141,990	57,341	2,182,823	232,334	3,787,031	2,041,905	110,465	89,400	7,199,954	4,002,416	5,641,879	3,352,719	6,666,584	216,363	1,533,894	229,782	316,677,116

Trans-Allegheny Interstate Line C

				Attachment 5 - Cost Support	
				Link to Appendix A, line	
Calculation of Distribution Accumulated Depreciation					
December	Source	For 2019			23
December	Prior year FERC Form 1 p219.26.b	For 2019	-		
January	company records	For 2020	-		
February	company records	For 2020	-		
March	company records	For 2020	-		
April	company records	For 2020	-		
May	company records	For 2020	-		
June	company records	For 2020	-		
July	company records	For 2020	-		
August	company records	For 2020	-		
September	company records	For 2020	-		
October	company records	For 2020	-		
November	company records	For 2020	-		
December	p219.26.b	For 2020	-		
Distribution Accumulated Depreciation					
Calculation of Intangible Accumulated Depreciation					
December	Source	For 2019	17,444,436		
December	Prior year FERC Form 1 p200.21.b	For 2020	21,679,379	21,679,379	
December	p200.21.b	For 2020	-		
25	Accumulated Intangible Depreciation		19,961,497	21,679,379	25
Calculation of General Accumulated Depreciation					
December	Source	For 2019	12,118,855		25
December	Prior year FERC Form 1 p219.28b	For 2019	-		
December	p219.28.b	For 2020	14,961,109	14,961,109	
24	Accumulated General Depreciation		13,470,462	14,961,109	24
Calculation of Production Accumulated Depreciation					
December	Source	For 2019	-		24
December	Prior year FERC Form 1 p219.20.b-24.b	For 2019	-		
January	company records	For 2020	-		
February	company records	For 2020	-		
March	company records	For 2020	-		
April	company records	For 2020	-		
May	company records	For 2020	-		
June	company records	For 2020	-		
July	company records	For 2020	-		
August	company records	For 2020	-		
September	company records	For 2020	-		
October	company records	For 2020	-		
November	company records	For 2020	-		
December	p219.20.b thru 219.24.b	For 2020	-		
Production Accumulated Depreciation					
Total Accumulated Depreciation					
8		Sum of averages above	349,709,005	375,166,612	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
			Begin 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 p200.4c	-	-	-	

Transmission / Non-transmission 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
			Begin of year	End of Year (for estimate)	Average of Beginning and Ending Balances	
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			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Begin of year	CWIP to Form 1 Amount	Expensed Leases in Form 1 Amount	
Plant Allocation Factors						
6	Electric Plant in Service	(Note B) Attachment 5	2,195,698,029	-	-	
Plant In Service						
15	Transmission Plant in Service	(Note B) Attachment 5	2,077,320,366	-	-	
Accumulated Depreciation						
23	Transmission Accumulated Depreciation	(Note B) Attachment 5	264,797,684	-	-	

Pre-Commercial Costs Capitalized

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

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions			Form 1 Amount	Electric Portion	Non-electric Portion	Details
			Begin of year	EPRI dues		
58	Allocated General & Common Expenses	(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
			Form 1 Amount	Transmission Related	Non-transmission Related	
Directly Assigned ASG						
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
			Form 1 Amount	Safety Related	Non-safety Related	
Directly Assigned ASG						
66	General Advertising Exp Account 930.1	(Note F) p323 181.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	517-State Income Tax Rate or Composite (Note H)	Composite	Composite is calculated based on sales, payroll and property for each jurisdiction				7.516%	

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&O					
63	General Advertising Exp Account 930* (Note J) p.323-391.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	Enter \$	
	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:	Or	
		Enter \$	
	Example		
	A Total investment in substation	1,000,000	
	B Identifiable investment in Transmission (provide workpaper)	500,000	
	C Identifiable investment in Distribution (provide workpaper)	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		Begin of year	End of Year	Average of Beginning and Ending Balances	Allocation	Transmission Related	Details
36	Prepayments			Enter \$		Amount	
	Prepayments	247,084	355,164	301,124	100%	301,124	
	Prepaid Premiums if not included in Prepayments		0	0	100%	0	
	Total Prepayments	247,084	355,164	301,124		301,124	

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	\$ 932,154	
	Total Account 566 Miscellaneous Transmission Expenses p.321.97.b	\$ 932,154	
			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
			(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, Fuel EX fees for various meetings from Legal, Procurement, Transmission & Finance, fees for various conference calls and F&M 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.
Net Revenue Requirement			
140	Facility Credits under Section 30.9 of the FJM OATT		

Annual Depreciation Expense													
Cabot SS	Grandview Capacitor	Potter	Osage Whately	Armstrong	Farmers Valley	Harvey Run	Double SS	Meadowbrook SS	502 Jct Substation	Conemaugh-Seward	Luxor	Grandpoint & Oatford	Hindsdale Lake-Honor City
152	281		14,882	328	1,255				124,532	2,888	3,450		
153,566	13,533	34,383	112,514	329,756	18,426	17,476	104,032			265,932	21,896	37,268	
			95,529							8,428			35,708
			373,921							385,009			42,714
153,208	13,814	34,383	595,847	332,538	19,681	17,476	104,032	-	124,532	662,037	25,345	37,268	276,580

Altoona	Blairsville	Carbon Center	Hantrastown	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
							89,825	6,328		2,076		157,488				18,386
761,425	69,899	11,958	923,734	104,416	9,216	158,081	1,298,224	584,387	18,717	29,399	14,538	332,273	922,192	44,130	144,608	283,918
							82,158									
							31,302									
761,425	69,899	11,958	923,734	104,416	9,216	158,081	1,499,309	190,716	18,717	31,477	14,538	487,761	922,192	44,130	163,194	283,918

Grover Sub	Rider Sub	Shawville	Monocacy SS	Mainsburg SS	Yeagerstown	Hysencer	Oak Mound	Joffe SS	Erie South	Farmers Valley Substation	Richwood HB	Damascus SS	Warren Substation	Piercebrook SS	Total
	116,260														2,301,011
	17,960							118,518	12,131	248,340	616,811		37,895		2,774,556
11,307	115,021	47,011	801,815	595,866	23,915	19,669	63,162	1,133,264	1,364,368	579,946	1,228,954	43,708	466,263	219,210	18,705,580
	32,985														-
	40,727							876,617							7,442,637
	169,092							1,150,123							4,129,644
															8,546,323
															-
															-
11,307	520,034	47,011	801,815	595,866	23,915	19,669	2,129,002	1,251,782	1,376,499	828,294	1,854,765	43,708	504,158	219,210	44,190,490

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	991,149
391	Office Furniture & Equipment	20	SQ	0	5.00	115,266
	Information Systems	10	SQ	0	10.00	613,873
	Data Handling	10	SQ	0	10.00	
392	Transportation Equipment					
	Other	15	SQ	20	5.33	
	Autos	7	S3	20	11.42	
	Light Trucks	11.5	L4	20	6.96	1,795
	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	990,137
398	Miscellaneous Equipment	15	SQ	0	6.67	
Total General Plant						2,712,209
Total General Plant Depreciation Expense (must tie to p336.1(d) & (e))						2,712,209
INTANGIBLE PLANT		Life	Survivor Curve	Net Salvage Percent	Accrual Rate (Annual) Percent	Total
303	Miscellaneous Intangible Plant	5	SQ	0	20.00	4,218,172
Total Intangible Plant						4,218,172
Total Intangible Plant Amortization (must tie to p336.1(d) & (e))						4,218,172

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	6,786,372
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	0
8	TRAILCO PBOP Expense in Account 926 for current year	0
9	PBOP adjustment for Appendix A, Line 57	0
57	Lines 1-9 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	Estimate Step 2	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			For Reconciliation Step 2	CWIP	AFUDC In CWIP	AFUDC (if CWIP was not in Rate Base)
Prexy - 502 Junction 138 kV (CWIP)		Expensed (Actual)	Deferred	Amount of Deferred Amortized in Year				
1		-	-	-		-	-	-
2		-	-	-		-	-	-
3		-	-	-		-	-	-
4		-	-	-		-	-	-
...								
Total		-	-	-		-	-	-
Prexy - 502 Junction 500 kV (CWIP)								
1		-	-	-		-	-	-
2		-	-	-		-	-	-
3		-	-	-		-	-	-
4		-	-	-		-	-	-
...								
Total		-	-	-		-	-	-
502 Junction - Territorial Line (CWIP)								
1		-	-	-		9	-	-
2		-	-	-		-	-	-
3		-	-	-		-	-	-
4		-	-	-		-	-	-
...								
Total		-	-	-		9	-	-
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.

Trans-Allegheny Interstate Line Company
Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year

Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.
- 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
- 5 June Year 2 Results of Step 3 go into effect

- 6 April Year 3 TO estimates all transmission Cap Adds and CWIP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected be in service in Year 3.
- 7 April Year 3 Reconciliation - TO calculates Reconciliation by populating the 13 monthly plant balances and beginning and end of year balances for the other rate base items and the 13 monthly averages for CWIP in Reconciliation (adjusted to include any Reconciliation amount from prior year).
- 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)
- 9 May Year 3 Post results of Step 8 on PJM web site
- 10 June Year 3 Results of Step 8 go into effect

Reconciliation Details

- 1 April Year 2 TO populates the formula with Year 1 data
 Rev Req based on Year 1 data
- 2 April Year 2 TO estimates all transmission Cap Adds and CWIP for Year 2 based on each project's cost using the average of 13 monthly balances. Cap Adds are the projects expected to be in service in Year 2.
 Must run Appendix A to get this number (without any cap adds in Appendix A line 16 and without CWIP in Appendix A line 33)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Richwood Hill (n service)	Erie South (n service)	Joffre Sub (n service)	Oak Mound (n service)	Danascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Juncdon - Territorial Line (monthly additions) (n service)
Dec (Prior Year CWP) (216.4)									
Jan 2020	Actual	877	2,407	194	48,977	13,993	23,163	49,553	
Feb	Actual	946	(37)	1,253	(33,822)	8,277	1,804	13,503	
Mar	Actual	876		688	9,178			3,175	
Apr	Actual	1,122	1,064	5,500				70,531	
May	Budget	876	159,522	26,763				29,724	
Jun	Budget				133,359				384,149
Jul	Budget								191,896
Aug	Budget								
Sep	Budget								
Oct	Budget				219,976				
Nov	Budget								
Dec	Budget								
Total		4,697	2,525	162,720	409,931	-	23,140	24,967	742,531

	Month End Balances									
	Other Projects PIS (Monthly additions)	Richwood Hill (n service)	Erie South (n service)	Joffre Sub (n service)	Oak Mound (n service)	Danascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Juncdon - Territorial Line (monthly additions) (n service)	CWIP
Jan 2020		877	2,407	194	48,977	-	13,993	23,163	49,553	
Feb		1,822	2,371	1,447	15,156	-	21,870	24,967	63,056	
Mar		2,698	2,525	2,134	24,334	-	23,140	24,967	66,231	
Apr		3,821	2,525	3,198	29,834	-	23,140	24,967	136,762	
May		4,697	2,525	162,720	56,597	-	23,140	24,967	166,486	
Jun		4,697	2,525	162,720	189,956	-	23,140	24,967	166,486	
Jul		4,697	2,525	162,720	189,956	-	23,140	24,967	550,635	
Aug		4,697	2,525	162,720	189,956	-	23,140	24,967	550,635	
Sep		4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
Oct		4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
Nov		4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
Dec		4,697	2,525	162,720	189,956	-	23,140	24,967	742,531	
Total		51,487	32,558	1,471,454	2,354,471	-	290,008	322,764	5,462,500	
(Appendix A, Line 16)		3,961	2,504	113,189	181,113	-	22,308	24,828	420,192	

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		502 Jct Substation (n service)	Black Oak (n service)	Osage Whiteley (n service)	Squab Hollow SS (n service)			Wyle Ridge (n service)	
Dec (Prior Year CWP) (216.4)									
Jan 2020	Actual		743	168	298			1,903	
Feb	Actual				14			139	
Mar	Actual		15,830						
Apr	Actual		701	(11,143)	(20,000)	132,804			
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total			1,444	4,854	(19,688)	132,804	-	2,042	

	Month End Balances						
	Other Projects PIS (Monthly additions)	502 Jct Substation (n service)	Black Oak (n service)	Osage Whiteley (n service)	Squab Hollow SS (n service)		Wyle Ridge (n service)
Jan 2020		-	743	168	298	-	1,903
Feb		-	743	168	298	-	2,042
Mar		-	743	168	312	-	2,042
Apr		-	1,444	4,854	(19,688)	132,804	2,042
May		-	1,444	4,854	(19,688)	132,804	2,042
Jun		-	1,444	4,854	(19,688)	132,804	2,042
Jul		-	1,444	4,854	(19,688)	132,804	2,042
Aug		-	1,444	4,854	(19,688)	132,804	2,042
Sep		-	1,444	4,854	(19,688)	132,804	2,042
Oct		-	1,444	4,854	(19,688)	132,804	2,042
Nov		-	1,444	4,854	(19,688)	132,804	2,042
Dec		-	1,444	4,854	(19,688)	132,804	2,042
Total		-	15,963	60,191	(175,971)	1,195,237	26,403

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Waldo Run SS (n service)	Meadowbrook SS Capacitor (n service)	Conemaugh (n service)	Rider (n service)	Cabot Substation (n service)			
Dec (Prior Year CWP) (216.4)									
Jan 2020	Actual	79,195	2,812	122,871	7,813	132			
Feb	Actual	79,695	3,607	4,644	3,607	29			
Mar	Actual	48,183	201		4,644				
Apr	Actual	15,190	(131)		1,615				
May	Budget	7,974			996	131			
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget		1,771,817		161,314				
Dec	Budget				3,616				
Total			2,002,053	2,882	287,801	18,675	291		

	Month End Balances						
	Other Projects PIS (Monthly additions)	Waldo Run SS (n service)	Meadowbrook SS Capacitor (n service)	Conemaugh (n service)	Rider (n service)	Cabot Substation (n service)	
Jan 2020		-	79,195	2,812	122,871	7,813	132
Feb		-	79,695	3,607	158,889	2,812	11,420
Mar		-	48,183	201	207,072	3,012	16,064
Apr		-	15,190	(131)	222,262	2,882	17,679
May		-	7,974		230,236	2,882	18,675
Jun		-			230,236	2,882	18,675
Jul		-			230,236	2,882	18,675
Aug		-			230,236	2,882	18,675
Sep		-			230,236	2,882	18,675
Oct		-			230,236	2,882	18,675
Nov		-	1,771,817		2,002,053	2,882	284,185
Dec		-			2,002,053	2,882	18,675
Total		-			8,054,992	37,482	2,084,882

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Mansburg	Piercebrook SS	Moshannon	Farmers Valley SS				
		(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)
Use (Year Year CWP) (2018-14)									
Jan 2020	Actual	37,693	26						
Feb	Actual	168,844	2,431						
Mar	Actual	9,936	10						
Apr	Actual	15,849	(108)						
May	Budget	46,090	621		1,093				
Jun	Budget								
Jul	Budget								
Aug	Budget	171,202							
Sep	Budget	6,551							
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		456,165	2,881		1,093				

	Month End Balances							
	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Projects PIS (Monthly additions)	Mansburg	Piercebrook SS	Moshannon	Farmers Valley SS				
	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)	(n service)
	37,693	26	-	-	-	-	-	-
	206,537	2,467	-	-	-	-	-	-
	216,473	2,467	-	-	-	-	-	-
	232,322	2,360	-	-	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	278,412	2,981	-	1,093	-	-	-	-
	449,614	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	456,165	2,981	-	1,093	-	-	-	-
	4,080,946	34,135	-	9,837	-	-	-	-

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

4 May Year 2 Post results of Step 2 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	Puter SS (Monthly Additions)	Osage Whitley (Monthly Additions)	Meadowbrook SS	502 Junction - Terrestrial Line (Monthly additions)
2,516,730	5,203,115.70	212,921.78	864,354.75	821,148.65	701,199.58	4,273,583	565,818	621,445	630,252	831,309	5,219,291	235,187	98,257	592,857	231,103	2,874,632	7,295,823	125,636,084
502 Junction Substation	Wabos Run	Conemaugh	Blairville	Four Mile Junction	Johnstown	Yeagerdown	Grandview Capacitor	Altoona SVC	Luzon	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Oan Mound	Shuman Hill	Buffalo Road	Conemaugh Capacitor	Grover SS Capacitor
1,633,433.74	7,362,968.83	3,422,868.10	395,030.99	1,152,908.92	587,044.32	136,355	76,881	4,306,429	143,067	211,257	907,590	67,754	274,630	13,827,820	181,181	52,218	-	103,456
Richwood Hill	Handsome Lake - Homer City	West Union	Rider Sub (West Milford)	Erie South	Monacaoy SS	Bartonville SS Capacitor	Mansburg SS	Johnstown Sub Capacitor	Claysburg Ring Bus	Joffre Sub	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nywaner	Armstrong	Farmers Valley Substation	Damascus Substation	Warren Substation
9,440,793.52	1,525,263.75	106,661.35	2,371,548.52	5,975,005.12	4,647,064.08	84,801	3,994,370	165,929	935,567	6,142,248	2,329,033	3,947,509	216,586	114,378	1,855,896	4,826,489	242,146	3,016,162
Total Revenue Requirement																	Piercebrook Substation	Joffre Substation S1041
\$ 247,484,300.84																	1,359,577	-

5 June Year 2 Results of Step 3 go into effect

6 April Year 3 TO estimates all Transmission Cap Add and CWP during Year 3 based each project's cost using the average of 13 monthly balances. Cap Adds are expected to be in service in Year 3.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Richwood Hill (n service)	Erie South (n service)	Jeffie Sub (n service)	Gal Mound (n service)	Damascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Junction - Territorial Line (monthly additions) (n service)
Dec (Prior Year CWP)216.843	Actual	877		(16)	15,455				1,055,950
Jan 2021	Actual	876	721		15,261				(420)
Feb	Actual	876			17,350				(972,528)
Mar	Actual	(16,197)	(10,688)	(10,952)	(9,929)	(289)	(5,509)	(7,188)	14,384
Apr	Budget								
May	Budget								
Jun	Budget								180,477
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
New Transmission Plant Additions for Year 3 (13 month average balance)									

	Month End Balances								
	Other Projects PIS (Monthly additions)	Richwood Hill (n service)	Erie South (n service)	Jeffie Sub (n service)	Gal Mound (n service)	Damascus SS (n service)	Warren SS (n service)	Kammer SS (n service)	502 Junction - Territorial Line (monthly additions) (n service)
		877	-	(16)	15,455	-	-	-	1,055,950
		1,753	721	(16)	30,716	-	-	-	1,055,530
		2,629	721	(16)	48,067	-	-	-	83,002
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	97,386
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	97,386
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
		(13,569)	(9,967)	(10,968)	38,137	(289)	(5,509)	(7,188)	277,864
Total		(130,429)	(98,233)	(109,724)	475,613	(2,889)	(65,090)	(71,876)	4,431,686
		(10,033)	(7,556)	(8,440)	36,586	(222)	(4,238)	(5,529)	340,899

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Shuman Hill (n service)	502 Jct Substation (n service)	Black Oak (n service)	Oage Whiteley (n service)	Squab Hollow SS (n service)	Doubs SS (n service)	Hunterstown (n service)	Wyle Ridge (n service)
Dec (Prior Year CWP)216.843	Actual		201	121	14			(1,769)	(5,779)
Jan 2021	Actual			467				(1,002)	
Feb	Actual			535	54			(1,765)	
Mar	Actual	(331)	(998)	10,042	725	(4,322)	(17)		
Apr	Budget								
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget								
Sep	Budget								
Oct	Budget		221,938						
Nov	Budget		28,292						
Dec	Budget		110,849	3,064,681					
Total		(331)	360,282	3,075,845	794	(4,322)	(17)	(4,536)	(5,779)
New Transmission Plant Additions for Year 3 (13 month average balance)									

	Month End Balances								
	Other Projects PIS (Monthly additions)	Shuman Hill (n service)	502 Jct Substation (n service)	Black Oak (n service)	Oage Whiteley (n service)	Squab Hollow SS (n service)	Doubs SS (n service)	Hunterstown (n service)	Wyle Ridge (n service)
		-	201	121	14	-	-	(1,769)	(5,779)
		-	201	588	14	-	-	(2,771)	(5,779)
		-	201	1,123	68	-	-	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	(797)	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	221,140	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	249,432	11,165	794	(4,322)	(17)	(4,536)	(5,779)
		(331)	360,282	3,075,845	794	(4,322)	(17)	(4,536)	(5,779)
Total		(3,311)	825,876	3,178,158	8,037	(43,222)	(172)	(54,440)	(75,123)
		(294,73)	63,528.90	244,473.71	618.23	(3,324.78)	(13.20)	(4,167.68)	(5,779.35)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
		Grandpoint & Gullford (n service)	PA Farmers Valley (n service)	Waldo Run SS (n service)	Meadowbrook SS Capacitor (n service)	Cornesburgh (n service)	Rider (n service)	Calbot Substation (n service)	Armstrong (n service)
Dec (Prior Year CWP)216.843	Actual			473,921	301	2,491	6,436	36	
Jan 2021	Actual			107,010		(24)	4,765	(6)	
Feb	Actual			103		443	8,964		
Mar	Actual	(2)	(250)	8,055,934	(115)	(3,021)	21,515	(9)	(5)
Apr	Budget								
May	Budget								
Jun	Budget								
Jul	Budget								
Aug	Budget						251,810		
Sep	Budget								
Oct	Budget								
Nov	Budget								
Dec	Budget								
Total		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
New Transmission Plant Additions for Year 3 (13 month average balance)									

	Month End Balances								
	Other Projects PIS (Monthly additions)	Grandpoint & Gullford (n service)	PA Farmers Valley (n service)	Waldo Run SS (n service)	Meadowbrook SS Capacitor (n service)	Cornesburgh (n service)	Rider (n service)	Calbot Substation (n service)	Armstrong (n service)
		-	-	473,921	301	2,491	6,436	36	-
		-	-	580,931	301	2,467	11,201	30	-
		-	-	581,034	301	2,910	20,165	30	-
		(2)	(250)	8,636,968	186	(112)	41,680	21	(5)
		(2)	(250)	8,636,968	186	(112)	41,680	21	(5)
		(2)	(250)	8,636,968	186	(112)	41,680	21	(5)
		(2)	(250)	8,636,968	186	(112)	41,680	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
		(2)	(250)	8,636,968	186	(112)	293,491	21	(5)
Total		(15)	(2,502)	88,095,565	2,766	6,751	1,713,658	301	(52)
		(1,16)	(192.45)	6,769,658.85	212.77	519.33	131,819.84	23.16	(4.03)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Mainsburg (n service)	Piercebrosk SS (n service)	Shingletown (n service)	Farmers Valley SS (n service)	New Martinsville Capacitor (n service)	Flint Run Substation (n service)	Bartonville (n service)	Squab Hollow SVC (n service)	
Let (prior year CWP) (216.84)									
Jan 2021		(1)							
Feb		148,043							
Mar		(568)							
Apr		(7,754)	(2,395)	(403)	(8,977)	826,829		(159)	(7,188)
May									
Jun									
Jul									
Aug									
Sep									
Oct							134,337,104		
Nov							1,200		
Dec									
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 (n service)	Piercebrosk SS (n service)	Shingletown (n service)	Farmers Valley SS (n service)	New Martinsville Capacitor (n service)	Flint Run Substation (n service)	Bartonville (n service)	Squab Hollow SVC (n service)		
Other Projects PIS (Monthly additions)	(1)	-	-	-	-	-	-	-	-	-
Jan 2021	148,042	-	-	-	-	-	-	-	-	-
Feb	147,474	-	-	-	-	-	-	-	-	-
Mar	139,720	(2,395)	(403)	(8,977)	826,829	-	-	(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	-	-	(159)	(7,188)	
Dec	139,720	(2,395)	(403)	(8,977)	826,829	134,337,104		(159)	(7,188)	
Total	1,692,711	(23,953)	(4,026)	(89,770)	7,441,457	268,675,408		(1,589)	(71,876)	
	130,208.57	(1,842.54)	(309.70)	(6,905.38)	572,419.81	20,667,339.09		(122.21)	(5,528.92)	

	(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)	Yeagerstown (n service)	Nyawaner (n service)			
Let (prior year CWP) (216.84)									
Jan 2021									
Feb									
Mar		(1,774)	(265)	(521)	(8,763)	(215)			
Apr									
May									
Jun									
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
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 (n service)	Johnstown SS Capacitor (n service)	Shawville (n service)	Monocacy SS (n service)	Yeagerstown (n service)	Nyawaner (n 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)	(87,638)	(2,605)	(2,149)				
	(1,364.82)	(204.19)	(400.49)	(6,740.60)	(200.37)	(165.35)				

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)	Double Transformer #2 (Monthly additions)	Double Transformer #3 (Monthly additions)	Double Transformer #4 (Monthly additions)	Cabot SS (Monthly Additions)	Hunterstown	Farmers Valley	Harvey Run	Double SS	Potter SS (Monthly Additions)	Osgae Whaley (Monthly Additions)	Meadowbrook SS	502 Junction - Terrestrial 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	230,387	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	Yeagerstown	Grandview Capacitor	Albans SVC	Luxor	Grandpoint & Guilford	Moshannon	Carbon Center	Shawville	Oak Mount	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	74,562	4,183,301	138,971	205,221	862,063	65,819	266,885	13,504,765	176,027	50,727	-	101,183	
Richwood Hill	Hindsons Lake - Homer City	West Union	Rider Sub (West Milford)	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	Nyawaner	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	Piercebrosk Substation	Joffre Substation S1041
\$ 243,356,791.05																2,258,216	62,545.42	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
242,174,543

The forecast in Prior Year
247,464,301

= (5,309,758) -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		Interest 35.19a for March Current Yr		0.2800%	Interest 35.19a for		Months	Interest	Surcharge (Refund) Owed
Month	Yr	1/12 of Step 9	March Current Yr						
Jun	Year 1	(442,480)	0.2800%	11.5	(14,248)	(456,728)			
Jul	Year 1	(442,480)	0.2800%	10.5	(13,009)	(455,489)			
Aug	Year 1	(442,480)	0.2800%	9.5	(11,770)	(454,250)			
Sep	Year 1	(442,480)	0.2800%	8.5	(10,531)	(453,011)			
Oct	Year 1	(442,480)	0.2800%	7.5	(9,292)	(451,772)			
Nov	Year 1	(442,480)	0.2800%	6.5	(8,053)	(450,533)			
Dec	Year 1	(442,480)	0.2800%	5.5	(6,814)	(449,294)			
Jan	Year 2	(442,480)	0.2800%	4.5	(5,575)	(448,055)			
Feb	Year 2	(442,480)	0.2800%	3.5	(4,336)	(446,816)			
Mar	Year 2	(442,480)	0.2800%	2.5	(3,097)	(445,577)			
Apr	Year 2	(442,480)	0.2800%	1.5	(1,858)	(444,338)			
May	Year 2	(442,480)	0.2800%	0.5	(619)	(443,099)			
Total		(5,309,758)				(5,309,758)			
Jun	Year 2	(5,396,962)	0.2800%	(458,144)	(4,955,935)				
Jul	Year 2	(4,955,935)	0.2800%	(458,144)	(4,511,968)				
Aug	Year 2	(4,511,968)	0.2800%	(458,144)	(4,066,157)				
Sep	Year 2	(4,066,157)	0.2800%	(458,144)	(3,619,388)				
Oct	Year 2	(3,619,388)	0.2800%	(458,144)	(3,171,388)				
Nov	Year 2	(3,171,388)	0.2800%	(458,144)	(2,722,124)				
Dec	Year 2	(2,722,124)	0.2800%	(458,144)	(2,271,602)				
Jan	Year 3	(2,271,602)	0.2800%	(458,144)	(1,819,819)				
Feb	Year 3	(1,819,819)	0.2800%	(458,144)	(1,366,771)				
Mar	Year 3	(1,366,771)	0.2800%	(458,144)	(912,454)				
Apr	Year 3	(912,454)	0.2800%	(458,144)	(456,865)				
May	Year 3	(456,865)	0.2800%	(458,144)	(0)				
Total with interest				(5,497,727)					

The difference between the Reconciliation in Step 8 and the forecast in Prior Year with interest
\$ (5,497,727) Input to Appendix A, Line 147

Rev Req based on Year 2 data with estimated Cap Adds for Year 3 (Step 8)
\$ 243,366,791

Revenue Requirement for Year 3
237,859,064

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	
\$ (5,497,727)	(4,449)	(15,446)	(83,629)	58,673	(11,405)	(92,924)	(15,393)	(17,559)	1,297,504	(4,481)	(99,673)	(56,255)	(2,626,438)	(37,815)	(38,186)	(3,858)	(2,017)	(12,154)	
Meadowbrook SS	Buffalo Road Capacitor	Handsome Lake-Homer City	Grandview Capacitor	Luxor Capacitor	Grand Point & Gullford SS	Albana	Blairville	Conemaugh Transformer	502 Junction Substation	Cabron Center	Hunterstown	Johnstown	Moshannon	Waldo Run	Four Mile Junction	West Union SS	Barlonsville SS Capacitor		
(1,465,761)	(1,069)	(31,536)	(1,584)	(2,932)	(4,326)	(88,185)	(7,976)	(76,426)	(25,596)	(1,386)	(106,317)	(13,177)	(18,265)	(636,298)	(23,034)	(2,178)	(1,717)		
Yeagerstown	Rider	Monocacy SS	Shuman Hill Sub	Mainburg SS	Johnstown Sub Capacitor	Grover SS	Clayburg Ring Bus	Squab Hollow SS	Squab Hollow SVC	Shingletown Capacitor	Nynewater	Shawville	Oak Mound	Joffre SS	Erie South	Farmers Valley Substation	Richwood Hill		
(630)	(37,278)	(94,292)	(3,686)	(25,035)	770	(1,813)	(19,061)	(45,353)	(90,574)	(4,691)	(2,318)	(5,556)	(247,601)	(129,756)	(136,338)	(98,119)	(200,974)		
Damascus SS	Warren Substation	Joffre SS	Piercebrook SS																
5,305	(61,588)	-	(25,872)																

9 May Year 3

Post results of Step 8 on PJM web site
\$ 237,859,064

10 June Year 3

Results of Step 8 go into effect
\$ 237,859,064

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	10.3350%
B	145	FCR with Incentive RCE without Depreciation and Pre-Commercial	11.3547%
C		Line B less Line A	0.9897%
FCR if a CIAC		FCR without Depreciation (Return on Income Taxes)	
D	136		1.8957%

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

1
2
3
4
5
6
7
8
9

10
11
12
13
14
15
16
17
18
19
20

PJM Upgrade ID: 40228, 40247, 40247.1, 40247.2, 40247.3, 40247.4		PJM Upgrade ID: 40218, 40220, 41166		PJM Upgrade ID: 40216	
392 Junction - Terrestrial Line (CRP - Plant in Service)		Wide Ridge Transformer (Plant in Service)		Black Oak (RVC) Dynamic Reactive Device (Plant in Service)	
Details					
Schedule 12	Yes (Yes or No)	Yes	Yes	Yes	Yes
"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 26. Otherwise "No"					
CIAC	No (Yes or No)	No	No	No	No
Incent RCE	12.70%	11.70%	12.70%	12.70%	12.70%
FCR without Incentive RCE	10.05%	10.05%	10.05%	10.05%	10.05%
FCR for This Project	11.962%	10.962%	11.962%	11.962%	11.962%
Investment	871,601,381	16,974,732	37,561,388	1,413,172	1,413,172
Annual Depreciation Exp from Attachment 5	21,188,123	562,078			
Pre-Commercial					
Reconciliation					
Return		Return		Return	
Depreciation		Depreciation		Depreciation	
Exp		Amount		Amount	
Revenue		Revenue		Revenue	
2011		2011		2011	
1,982,442.19	21,188,123.19	0.00	(2,054,424.11)	113,897,366.79	1,982,442.19
		0.00	(2,054,424.11)	1,982,442.19	1,982,442.19
				(66,252.30)	2,072,091.79
				2,072,091.79	2,072,091.79
				2,072,091.79	2,072,091.79
				1,413,172.21	1,413,172.21
				(66,672.82)	1,346,500.39
					1,346,500.39

For Plant in Service
"Pre-Commercial Exp" is equal to the amount of pre-commercial expenses 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 other plus "Reconciliation amount".
"Reconciliation Amount" is created in the reconciliation in Attachment 6 and included in the forecasted revenue requirement.

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 60222				PJM Upgrade ID: 60220				PJM Upgrade ID: 60229			
	North Chesapeake Transformer (Plant In Service)				Westbrook Transformer (Plant In Service)				Bedgins Transformer (Plant In Service)			
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"				Yes				Yes			
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20, otherwise "No"				No				No			
13	Input the allowed ROE				11.00%				11.00%			
14	From line 3 above * 70% on line 12 and From line 7 above * "Yes" on line 12				10.000%				10.000%			
15	From line 3 above * 70%, then line 4, if line 13 equals 11.7%				10.000%				10.000%			
16	From line 5, and if line 13 is "Yes" multiply by Formula = Cost of project * 70% plus current year balance of CIPW or Cap Ex				1,523,726				1,523,726			
17	Annual Depreciation Exp from Attachment 1				45,422				45,422			
18	Return				186,162.00				186,162.00			
19	See Calculators for each item below				46,251.56				46,251.56			
20	See Calculators for each item below				186,162.00				186,162.00			
		Reconciliation	Revenue		Reconciliation	Revenue		Reconciliation	Revenue		Revenue	
		Amount	202,052.24		Amount	2,087,524.13		Amount	162,156.28		179,344.54	
		Revenue	202,052.24		Revenue	2,087,524.13		Revenue	162,156.28		179,344.54	

*The Commercial Exp is equal to the amount of pre-construction Revenue is equal to the "Return" ("Revenue") times FCR
 *Reconciliation Amount is created in the reconciliation in A6

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 80555				PJM Upgrade ID: 80495				PJM Upgrade ID: 80345				PJM Upgrade ID: 80344			
	Redwood Creek Capacitor Plant In Service				Kemper Transformers Plant In Service				Double Replace Transformer #2				Double Replace Transformer #3			
11	"Yes" if a project under PJM DATT Schedule 12, otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"			
12	Yes				Yes				Yes				Yes			
13	No				No				No				No			
14	11.75%				11.75%				11.75%				11.75%			
15	10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%			
17	4,880,287				30,288,101				4,166,134				3,884,886			
18	140,102				871,921				94,890				140,102			
19	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
20	55,897.68	140,102.00	(16,302.58)	69,697.11	3,388,431.19	871,921.17	(82,821.95)	4,586,481.41	402,212.41	94,890.48	(11,452.51)	558,650.37	624,461.03	140,102.00	58,672.98	622,254.18

For Plant In Service
 *The Commercial Exp. is equal to the amount of pre-commer Revenue is equal to the "Market" Treatment times FCRS
 *Reconciliation Amount is created in the reconciliation in A0

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 10345				PJM Upgrade ID: 10704				PJM Upgrade ID: 11941				PJM Upgrade ID: 10563			
	Double Replace Transformer #4				Cobot 55 - Install Auto-transformer				Armstrong				Farrow Valley Capacitor			
11	"Yes" if a project under PJM O&T Schedule 12, otherwise "No".				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No".				"Yes" if a project under PJM O&T Schedule 12, otherwise "No".				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No".			
12	Yes				Yes				Yes				Yes			
13	No				No				No				No			
14	11.70%				11.70%				11.70%				11.70%			
15	10.0000%				10.0000%				10.0000%				10.0000%			
16	10.0000%				10.0000%				10.0000%				10.0000%			
17	4,189,489				6,001,330				13,402,997				1,933,139			
18	82,344				153,258				332,338				16,691			
19	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
20	495,899.02	82,344.24	(81,628.82)	496,620.44	620,732.02	153,257.73	(153,449.23)	620,539.51	1,485,998.25	332,338.12	(33,189.92)	1,796,205.44	219,899.52	16,690.89	(1,897.82)	235,792.59

For Plant in Service
 The "Commercial Exp" is equal to the amount of pre-construction
 Revenue is equal to the "Reconciliation" times (1-GCR)
 "Reconciliation Amount" is created in the reconciliation in 18

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 85564				PJM Upgrade ID: 81803				PJM Upgrade ID: 81261				PJM Upgrade ID: 80674, 81029, 81033, 3			
	Nervey Run Capacitor				Doble SS				Polar SS				Oage 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 20. Otherwise "No"															
12	Yes				Yes				Yes				Yes			
13	No				No				No				No			
14	13.75%				13.75%				13.75%				13.75%			
15	10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%			
17	715,010				4,378,858				1,740,720				20,291,407			
	17.47%				104,032				34,383				955,847			
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	27,981.94	19,476.22	(2,218.58)	55,421.28	87,932.21	104,022.44	(12,101.81)	963,781.64	180,747	34,383	0	6,446	2,218,709	955,847	0	2,778,855.58
20	17,981.94	17,476.22	(2,218.58)	54,421.28	87,932.21	104,022.44	(12,101.81)	953,781.64	180,747	34,383	0	6,446	2,218,709	955,847	0	2,778,855.58

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

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 61800, 61804				PJM Upgrade ID: 61800				PJM Upgrade ID: 62420.1, 62421.2, 62421.3				PJM Upgrade ID: 61103			
	Madison 65				Hickstown				Wade Run 15				Coomsgh			
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 12. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 12. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 12. Otherwise "No"			
12	Yes				Yes				Yes				Yes			
13	No				No				No				No			
14	11.70%				11.70%				11.70%				11.70%			
15	10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%			
17	13,251,088				37,676,790				55,142,229				24,336,242			
	0				923,724				1,498,203				652,237			
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	5,822,922	0	(1,482,911)	4,340,011	4,146,720	923,724	(98,317)	4,269,127	6,226,875	1,499,328	(826,286)	4,889,889	2,884,244	652,237	(76,426)	3,269,054
20	5,822,922	0	(1,482,911)	4,340,011	4,146,720	923,724	(98,317)	4,269,127	6,226,875	1,499,328	(826,286)	4,889,889	2,884,244	652,237	(76,426)	3,269,054

For PJM in Service
 "The Commercial End" is equal to the amount of pre-consumer
 Revenue is equal to the "Market" Treatment minus FCR
 "Reconciliation Amount" is created in the reconciliation in A6

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 51957				PJM Upgrade ID: 51959, 51769				PJM Upgrade ID: 51945				PJM Upgrade ID: 51810			
	Barrville 55				Frog Mts. Jct				Johannes 55 Dist. #64				Yosemite			
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 13. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 13. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 13. Otherwise "No"			
12	Yes				Yes				Yes				Yes			
13	No				No				No				No			
14	11.75%				11.75%				11.75%				11.75%			
15	10.000%				10.000%				10.000%				10.000%			
16	2,614,533				5,316,144				4,241,036				1,912,654			
17	65,839				192,716				154,416				23,915			
	Reconciliation				Reconciliation				Reconciliation				Reconciliation			
	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue
18	214,086	65,839	(7,376)	276,539.54	192,716	192,716	(21,256)	1,998,197.43	482,432	154,416	(11,177)	564,661.58	118,026	23,915	(52)	132,971.23
19	214,086	65,839	(7,376)	276,539.54	192,716	192,716	(21,256)	1,998,197.43	482,432	154,416	(11,177)	564,661.58	118,026	23,915	(52)	132,971.23

For PJM in Service
 *The "Commercial End" is equal to the amount of pre-consumer Revenue is equal to the "Market" Treatment minus FCR.
 *"Reconciliation Amount" is created in the reconciliation in A6

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 81995				PJM Upgrade ID: 81991				PJM Upgrade ID: 81995				PJM Upgrade ID: 81999			
	Granville Capacitor		Albion SVC		Lester		Grand Point & Gullford		Granville Capacitor		Albion SVC		Lester		Grand Point & Gullford	
11	"Yes" if a project under PJM GAT T Schedule 12, otherwise "No"															
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"															
13	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
14	11.70%		11.70%		11.70%		11.70%		11.70%		11.70%		11.70%		11.70%	
15	10.000%		10.000%		10.000%		10.000%		10.000%		10.000%		10.000%		10.000%	
16	10.000%		10.000%		10.000%		10.000%		10.000%		10.000%		10.000%		10.000%	
17	13,814		31,317,234		1,039,912		1,537,117		25,345		37,268		1,537,117		37,268	
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	81,840	13,814	(1,586)	13,977.7	347,181	31,425	(88,165)	4,081,113.8	113,225	25,345	(2,525)	136,023.12	187,953	37,268	(4,326)	200,266.75
20	81,840	13,814	(1,586)	13,977.7	347,181	31,425	(88,165)	4,081,113.8	113,225	25,345	(2,525)	136,023.12	187,953	37,268	(4,326)	200,266.75

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

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

	PJM Upgrade ID: 31564				PJM Upgrade ID: 31572				PJM Upgrade ID: 31595				PJM Upgrade ID: 31593, 32000				PJM Upgrade ID: 32342			
	Methuen				Canton Center				Denville				Northwood				Sturges Hill Sub			
11	Yes				Yes				Yes				Yes				Yes			
12	No				No				No				No				No			
13	11.70%				11.70%				11.70%				11.70%				11.70%			
14	10.000%				10.000%				10.000%				10.000%				10.000%			
15	10.000%				10.000%				10.000%				10.000%				10.000%			
16	6,026,314				492,941				2,032,300				0				1,322,200			
17	15,081				11,958				47,011				0				21,477			
	Return	Depreciation	Reconciliation	Reverse	Return	Depreciation	Reconciliation	Reverse	Return	Depreciation	Reconciliation	Reverse	Return	Depreciation	Reconciliation	Reverse	Return	Depreciation	Reconciliation	Reverse
18	25,002	188,881	158,260	882,817.74	33,861	11,208	(7,390)	64,422.71	239,824	42,011	(9,250)	28,329.22	0	0	0	0.00	84,520	21,477	(2,881)	12,943.41
19	25,002	188,881	158,260	882,817.74	33,861	11,208	(7,390)	64,422.71	239,824	42,011	(9,250)	28,329.22	0	0	0	0.00	84,520	21,477	(2,881)	12,943.41
20	25,002	188,881	158,260	882,817.74	33,861	11,208	(7,390)	64,422.71	239,824	42,011	(9,250)	28,329.22	0	0	0	0.00	84,520	21,477	(2,881)	12,943.41

For Plant in Service
 *The Commercial Exp. is equal to the amount of pre-commer
 Reverse is equal to the "Return" (Investment) times FC20
 *Reconciliation Amount is created in the reconciliation in R4

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

	PJM Upgrade ID: 61779				PJM Upgrade ID: 62146				PJM Upgrade ID: 60556				PJM Upgrade ID: 61033.1				PJM Upgrade ID: 61941			
	Bullfin Road				Pleasantville Corridor				Grove St Corridor				502 Junction Substation				Rambro Lake - River City			
	Yes				Yes				Yes				Yes				Yes			
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 23. Otherwise "No"																			
13	No				No				No				No				No			
14	11.70%				11.70%				11.70%				11.70%				11.70%			
15	10.000%				10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%				10.000%			
17	39,914				0				82,264				13,797,800				11,222,728			
	9,216				0				11,327				124,532				276,589			
		Reconciliation				Reconciliation				Reconciliation				Reconciliation				Reconciliation		
	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue	Return	Depreciation	amount	Revenue
	41,011	9,216	(1,780)	49,247.01	0	0	0	0.00	89,016	11,327	(1,813)	99,530.17	1,207,383	124,532	(25,396)	1,606,519.17	1,204,336	276,589	(21,136)	1,459,819.54
	41,011	9,216	(1,780)	49,247.01	0	0	0	0.00	89,016	11,327	(1,813)	99,530.17	1,207,383	124,532	(25,396)	1,606,519.17	1,204,336	276,589	(21,136)	1,459,819.54

For Plant in Service
 *The "Commercial Exp" is equal to the amount of pre-commer
 Revenue is equal to the "Return" ("Investment" times RCR)
 "Reconciliation Amount" is created in the reconciliation in R4

1
 2
 3
 4
 5
 6
 7
 8
 9

11 "Yes" if a project under PAM GAT T Schedule 12, otherwise "No"
 12 "Yes" if the Customer has paid a lump sum payment in the amount of the investment on line 20. Otherwise "No"
 13 Input the allowed FCFE
 14 From line 3, minus 17% on line 12 and From line 7, minus 4 "Yes" on line 12
 15 From line 3, minus 12.7%, then line 4, if line 13 equals 11.7%
 16 From line 5, and 8, and 10, 11, "Yes" on line 9
 17 From line 5, and 8, and 10, 11, "Yes" on line 9
 18 From line 5, and 8, and 10, 11, "Yes" on line 9
 19 From line 5, and 8, and 10, 11, "Yes" on line 9
 20 From line 5, and 8, and 10, 11, "Yes" on line 9
 21 From line 5, and 8, and 10, 11, "Yes" on line 9
 22 From line 5, and 8, and 10, 11, "Yes" on line 9
 23 From line 5, and 8, and 10, 11, "Yes" on line 9
 24 From line 5, and 8, and 10, 11, "Yes" on line 9
 25 From line 5, and 8, and 10, 11, "Yes" on line 9
 26 From line 5, and 8, and 10, 11, "Yes" on line 9
 27 From line 5, and 8, and 10, 11, "Yes" on line 9
 28 From line 5, and 8, and 10, 11, "Yes" on line 9
 29 From line 5, and 8, and 10, 11, "Yes" on line 9
 30 From line 5, and 8, and 10, 11, "Yes" on line 9
 31 From line 5, and 8, and 10, 11, "Yes" on line 9
 32 From line 5, and 8, and 10, 11, "Yes" on line 9
 33 From line 5, and 8, and 10, 11, "Yes" on line 9
 34 From line 5, and 8, and 10, 11, "Yes" on line 9
 35 From line 5, and 8, and 10, 11, "Yes" on line 9
 36 From line 5, and 8, and 10, 11, "Yes" on line 9
 37 From line 5, and 8, and 10, 11, "Yes" on line 9
 38 From line 5, and 8, and 10, 11, "Yes" on line 9
 39 From line 5, and 8, and 10, 11, "Yes" on line 9
 40 From line 5, and 8, and 10, 11, "Yes" on line 9
 41 From line 5, and 8, and 10, 11, "Yes" on line 9
 42 From line 5, and 8, and 10, 11, "Yes" on line 9
 43 From line 5, and 8, and 10, 11, "Yes" on line 9
 44 From line 5, and 8, and 10, 11, "Yes" on line 9
 45 From line 5, and 8, and 10, 11, "Yes" on line 9
 46 From line 5, and 8, and 10, 11, "Yes" on line 9
 47 From line 5, and 8, and 10, 11, "Yes" on line 9
 48 From line 5, and 8, and 10, 11, "Yes" on line 9
 49 From line 5, and 8, and 10, 11, "Yes" on line 9
 50 From line 5, and 8, and 10, 11, "Yes" on line 9
 51 From line 5, and 8, and 10, 11, "Yes" on line 9
 52 From line 5, and 8, and 10, 11, "Yes" on line 9
 53 From line 5, and 8, and 10, 11, "Yes" on line 9
 54 From line 5, and 8, and 10, 11, "Yes" on line 9
 55 From line 5, and 8, and 10, 11, "Yes" on line 9
 56 From line 5, and 8, and 10, 11, "Yes" on line 9
 57 From line 5, and 8, and 10, 11, "Yes" on line 9
 58 From line 5, and 8, and 10, 11, "Yes" on line 9
 59 From line 5, and 8, and 10, 11, "Yes" on line 9
 60 From line 5, and 8, and 10, 11, "Yes" on line 9
 61 From line 5, and 8, and 10, 11, "Yes" on line 9
 62 From line 5, and 8, and 10, 11, "Yes" on line 9
 63 From line 5, and 8, and 10, 11, "Yes" on line 9
 64 From line 5, and 8, and 10, 11, "Yes" on line 9
 65 From line 5, and 8, and 10, 11, "Yes" on line 9
 66 From line 5, and 8, and 10, 11, "Yes" on line 9
 67 From line 5, and 8, and 10, 11, "Yes" on line 9
 68 From line 5, and 8, and 10, 11, "Yes" on line 9
 69 From line 5, and 8, and 10, 11, "Yes" on line 9
 70 From line 5, and 8, and 10, 11, "Yes" on line 9
 71 From line 5, and 8, and 10, 11, "Yes" on line 9
 72 From line 5, and 8, and 10, 11, "Yes" on line 9
 73 From line 5, and 8, and 10, 11, "Yes" on line 9
 74 From line 5, and 8, and 10, 11, "Yes" on line 9
 75 From line 5, and 8, and 10, 11, "Yes" on line 9
 76 From line 5, and 8, and 10, 11, "Yes" on line 9
 77 From line 5, and 8, and 10, 11, "Yes" on line 9
 78 From line 5, and 8, and 10, 11, "Yes" on line 9
 79 From line 5, and 8, and 10, 11, "Yes" on line 9
 80 From line 5, and 8, and 10, 11, "Yes" on line 9
 81 From line 5, and 8, and 10, 11, "Yes" on line 9
 82 From line 5, and 8, and 10, 11, "Yes" on line 9
 83 From line 5, and 8, and 10, 11, "Yes" on line 9
 84 From line 5, and 8, and 10, 11, "Yes" on line 9
 85 From line 5, and 8, and 10, 11, "Yes" on line 9
 86 From line 5, and 8, and 10, 11, "Yes" on line 9
 87 From line 5, and 8, and 10, 11, "Yes" on line 9
 88 From line 5, and 8, and 10, 11, "Yes" on line 9
 89 From line 5, and 8, and 10, 11, "Yes" on line 9
 90 From line 5, and 8, and 10, 11, "Yes" on line 9
 91 From line 5, and 8, and 10, 11, "Yes" on line 9
 92 From line 5, and 8, and 10, 11, "Yes" on line 9
 93 From line 5, and 8, and 10, 11, "Yes" on line 9
 94 From line 5, and 8, and 10, 11, "Yes" on line 9
 95 From line 5, and 8, and 10, 11, "Yes" on line 9
 96 From line 5, and 8, and 10, 11, "Yes" on line 9
 97 From line 5, and 8, and 10, 11, "Yes" on line 9
 98 From line 5, and 8, and 10, 11, "Yes" on line 9
 99 From line 5, and 8, and 10, 11, "Yes" on line 9
 100 From line 5, and 8, and 10, 11, "Yes" on line 9

PJM Upgrade ID: 82343				PJM Upgrade ID: 81840				PJM Upgrade ID: 82235				PJM Upgrade ID: 82200			
West Union				Rite Sub West Millard				Monroey SS				Baltimore SS Capacitor			
Yes				Yes				Yes				Yes			
No				No				No				No			
11.70%				11.70%				11.70%				11.70%			
10,000%				10,000%				10,000%				10,000%			
10,000%				10,000%				10,000%				10,000%			
177,000				16,546,514				33,087,000				621,151			
18,717				520,224				817,875				14,538			
Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
\$6,930	\$8,717	(2,116)	\$1,462.55	\$87,264	\$2,224	(22,276)	2,280,703.11	\$1,713,208	\$11,815	\$4,262	4,421,111.19	\$7,870	\$4,528	(1,771)	\$6,361.19
\$4,868	\$8,717	(2,116)	\$1,462.55	\$87,264	\$2,224	(22,276)	2,280,703.11	\$1,713,208	\$11,815	\$4,262	4,421,111.19	\$7,870	\$4,528	(1,771)	\$6,361.19

For Plant In Service
 *The Commercial EOP is equal to the amount of pre-common
 Revenue is equal to the "Return" (Treatment) times FCFE (1)
 "Reconciliation Amount" is created in the reconciliation in A8

1
 2
 3
 4
 5
 6
 7
 8
 9

10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20

	PJM Upgrade ID: 31002 & 31008				PJM Upgrade ID: 30555				PJM Upgrade ID: 31943				PJM Upgrade ID: 30376				PJM Upgrade ID: 32364 & 32364.1			
	Woburn SS				Johannes Sub Conductor				Capeburg Ring Bus				Cromwell Conductor				South Yellow SS			
11	Yes				Yes				Yes				Yes				Yes			
12	No				No				No				No				No			
13	11.70%				11.70%				11.70%				11.70%				11.70%			
14	10.000%				10.000%				10.000%				10.000%				10.000%			
15	10.000%				10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%				10.000%			
17	30,762.338				1,202.844				6,023.620				0				16,261.010			
	565.866				28.918				163.154				0				487.781			
	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
	3,363,421	160,860	(61,220)	3,262,461.11	128,662	28,918	770	160,519.82	140,660	162,134	(19,241)	683,521.14	0	0	0	0.00	1,776,726	487,781	(60,351)	2,210,156.24
	3,363,421	160,860	(61,220)	3,262,461.11	128,662	28,918	770	160,519.82	140,660	162,134	(19,241)	683,521.14	0	0	0	0.00	1,776,726	487,781	(60,351)	2,210,156.24

For Plant in Service
 *The "Commercial Exp" is equal to the amount of pre-concrete
 Revenue is equal to the "Return" ("Investment" times ICR) &
 "Reconciliation Amount" is created in the reconciliation in R4

1
 2
 3
 4
 5
 6
 7
 8
 9

	PJM Upgrade ID: 62962 & 62933.1				PJM Upgrade ID: 62156				PJM Upgrade ID: 62546				PJM Upgrade ID: 62545				PJM Upgrade ID: 62441				PJM Upgrade ID: 62547, 62547.1, 62547.2			
	Spah Yellow SVC				Shoghtown Capacitor				Nyasener				Richwood HS				Eck South				Johns Sub			
11	"Yes" if a project under PJM GATT Schedule 12, otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 28. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 28. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 28. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 28. Otherwise "No"				"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 28. Otherwise "No"			
12	Yes				Yes				Yes				Yes				Yes				Yes			
13	No				No				No				No				No				No			
14	11.70%				11.70%				11.70%				11.70%				11.70%				11.70%			
15	10.000%				10.000%				10.000%				10.000%				10.000%				10.000%			
16	10.000%				10.000%				10.000%				10.000%				10.000%				10.000%			
17	26,448,899				1,316,114				837,161				68,790,760				40,232,365				43,076,366			
	522,102				44,130				10,889				1,854,765				1,376,409				1,251,792			
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue
19	2,891,949	922,102	(92,516)	3,211,535.11	100,859	44,130	(6,611)	200,269.31	81,471	19,669	(2,316)	108,824.64	7,297,699	1,854,765	(202,974)	8,349,489.31	4,268,023	1,376,409	(126,338)	5,628,213.27	6,798,692	1,251,792	(179,761)	8,020,723.77
20	2,891,949	922,102	(92,516)	3,211,535.11	100,859	44,130	(6,611)	200,269.31	81,471	19,669	(2,316)	108,824.64	7,297,699	1,854,765	(202,974)	8,349,489.31	4,268,023	1,376,409	(126,338)	5,628,213.27	6,798,692	1,251,792	(179,761)	8,020,723.77

For Plant In Service
 *The "Commercial Exp." is equal to the amount of pre-construction revenue is equal to the "Market" Treatment times FCRS.
 *"Reconciliation Amount" is created in the reconciliation in A8

1
2
3
4
5
6
7
8
9

	PJM Upgrade ID: 82475				PJM Upgrade ID: 81991				PJM Upgrade ID: 82261				PJM Upgrade ID: 82484				PJM Upgrade ID: 81941				PJM Upgrade ID: 82587				PJM Upgrade ID: 82118				PJM Upgrade ID: 82265, 82266, 1, 82268, 2												
	Oak Mount				Farmers Valley Substation				Demaree Substation				Warren Substation				Joffre Substation 51041				Pawcatuck Substation				New Marlboro/Fire Capacitor				First Run Substation												
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"				Yes				Yes				Yes				Yes				Yes				Yes				Yes												
12	"Yes" if the customer has paid a lump sum payment in the amount of the investment on line 20, otherwise "No"				No				No				No				No				No				No				No												
13	Input the allowed ROE				11.70%				11.70%				11.70%				11.70%				11.70%				11.70%				11.70%												
14	From line 3 above 1 "Yes" on line 12 and From line 7 above 4 "Yes" on line 12				10.000%				10.000%				10.000%				10.000%				10.000%				10.000%				10.000%												
15	From line 3 above 1 "Yes" on line 12 and From line 7 above 4 "Yes" on line 12				10.000%				10.000%				10.000%				10.000%				10.000%				10.000%				10.000%												
16	From line 3, and 4, and 10, 12, 13, 14 "Yes" response 4 Formula = Cost of project plus net plant plus current year charges of CIPW or Cap. Exch. Reconciliation - Average of 13 month prior year net plant balance plus prior year 13 mo CIPW balances.				106,103,853				35,341,412				1,942,897				22,213,780				0				10,068,054				514,420				20,867,339								
17	Annual Depreciation Exp from Attachment 5				2,126,922				828,254				43,128				554,158				0				218,210				0				0								
18	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Return	Depreciation	Reconciliation	Revenue	Total	Incentive Charge	Revenue Credit	82,041,127.25									
19	11,251,884	2,126,922	(247,801)	11,201,161.42	3,861,271	828,254	(88,116)	4,081,751.51	251,362	43,128	5,205	253,234.48	2,427,185	554,158	(81,588)	2,985,755.28	0	0	0	0	0	0	0	0	0	0	0	1,103,383	218,210	(25,872)	1,295,721.23	62,545	0	0	62,545.42	2,282,216	0	0	2,282,216.11	22,877,827.02	20,111,917.02
20	11,251,884	2,126,922	(247,801)	11,201,161.42	3,861,271	828,254	(88,116)	4,081,751.51	251,362	43,128	5,205	253,234.48	2,427,185	554,158	(81,588)	2,985,755.28	0	0	0	0	0	0	0	0	0	0	0	1,103,383	218,210	(25,872)	1,295,721.23	62,545	0	0	62,545.42	2,282,216	0	0	2,282,216.11	22,877,827.02	20,111,917.02

For Plant In Service
 *The Commercial Exp. is equal to the amount of pre-consumer Revenue in equal to the "Return" Treatment from FCRS.
 *Reconciliation Amount is created in the reconciliation in A6

Template for Annual Information Filings with Formula Rate Debt Cost Disclosure and True-Up
Attachment B, 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 12/31/2020

	(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)
(1)	Long Term Debt L12/31/2020 First Mortgage Bonds	12/11/2014	6/2/2025	\$ 550,000,000	\$ 545,247,429	\$ 547,990,012	12	\$ 547,990,012.00	88.00%	3.95%	3.48%
(2)	3.85% Senior Unsecured Notes	10/16/2015	5/30/2025	\$ 75,000,000	\$ 74,437,647	\$ 74,742,188	12	\$ 74,742,188.00	12.002%	3.85%	0.48%
				\$ 625,000,000		\$ 622,732,200		\$ 622,732,200	100.000%		3.94%

t = 0/00
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).
Interest individual debenture debt cost calculations shall be taken to four decimals in percentages (2.9500%, 5.2582%). Final Total Weighted Average Debt Cost for the Formula Rate shall be rounded to two decimals of a percent (2.00%).
** The 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 12/31/2020

	(aa)	(bb)	(cc)	(dd)	14	(ee)	(ff)	(gg)	(hh)	(ii)	(jj)	(kk)	(ll)
	Long Term Debt Issu Affiliate	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss/Gain on Recaptured Debt	Loss 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 No	12/11/2014	6/2/2025	\$ 550,000,000	\$ (418,000)	4,334,571	-	xxx	\$ 545,247,429	99.1359	0.03850	\$ 21,175,000	3.95%
(2)	3.75% Senior Unsecured Notes	10/16/2015	5/30/2025	75,000,000		562,293			\$ 74,437,647	99.2502	0.0376	\$ 2,820,000	3.85%
	TOTALS			\$ 625,000,000	(418,000)	\$ 4,896,864	-	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 (C₁, C₂, 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
-------------------	----------------

Internal Rate of Return ¹	4.886348%
--------------------------------------	-----------

Based on following Financial Formula²:

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

Origination Fees	7,780,954
Origination Fees	
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
		0.0037

After borrowing is at the midpoint (\$275,000)

	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	\$ 450,000,000					4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Revolver Interest Rate	\$ 350,000,000	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%			

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Year	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)	Interest at effective rate	Amortization of origination fees and commitment fees
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	9,265,045	31,013.00		(31,013)	46,132	46,132
02/4/2008	Q1			10,000,000	9,280,164	69,578.45		(69,578)	4,853	4,853
02/6/2008	Q1			10,000,000	9,215,438	137.50		(138)	2,409	2,409
02/29/2008	Q1			10,000,000	9,217,710	2,960.00		(2,960)	27,752	27,752
03/5/2008	Q1			10,000,000	9,242,502	125,384.16		(125,384)	6,042	6,042
3/24/2008	Q1	25,543,000		10,000,000	9,123,160	155,047.57		(155,048)	22,684	(132,363)
03/31/2008	Q1			10,000,000	8,950,797	17,011.00		(17,011)	8,230	8,230
04/30/2008	Q2			10,000,000	8,982,016	197,269.56		(197,270)	35,289	35,289
05/19/2008	Q2			10,000,000	8,820,035	109,824.88		(109,825)	21,931	21,931
6/23/2008	Q2	20,509,000		10,000,000	8,732,141	97,477.43		(97,477)	40,038	(57,439)
06/26/2008	Q2			10,000,000	8,674,702	43,098.82		(43,099)	3,402	3,402
06/30/2008	Q2			10,000,000	8,635,005	13,267.50		(13,268)	4,516	4,516
08/8/2008	Q3			10,000,000	8,626,253	1,577.79		(1,578)	44,084	44,084
08/13/2008	Q3			10,000,000	8,668,760	62,776.98		(62,777)	5,667	5,667
8/15/2008	Q3		55,000,000	65,000,000	8,611,650	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	55,351,963	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
--------------------------	-----------------------

Internal Rate of Return¹	4.886348%
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

	New Borrowing	Old Borrowing
Revolving Credit Commitment Fee	0.0050	0.0050
Revolving Credit Commitment Fee	0.0037	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)	2,594,240	2,594,240
7/15/2012	Q3	-	450,000,000	442,364,522	9,000,000	3,070.00	(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 3

Accounting of Transfers Between CWIP and Plant In Service

May 17, 2021

**Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2020 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					
	478229242	35022, 35400, 35610, 35500, 35620	Line Construction 2	39,012.06	March 1, 2020
	478229242	35022, 35400, 35610, 35500, 35620	Line Construction 2	236.56	April 1, 2020
	478229242	35022, 35400, 35610, 35500, 35620	Line Construction 2	(1.59)	May 1, 2020
	478229242	35022, 35400, 35610, 35500, 35620	Line Construction 2	137,221.96	September 1, 2020
13412255			Total	176,468.99	
13418596	478437863	35022, 35400, 35500, 35610, 35620	Line Construction 1	125.00	February 1, 2020
13419997	478541318	35500 35610	Line Construction 3	3,000.00	February 1, 2020
14181583	540082817	35610	502 JCT-Mt. Storm Span 215-217 Cond	(13,323.66)	February 1, 2020
	3502065613	35610	502 Junction-Mount Storm 500 kV 536	56,156.48	August 1, 2020
	3502065613	35610	502 Junction-Mount Storm 500 kV 536	(2,716.88)	September 1, 2020
16478088			Total	53,439.60	
16568908	3511014894	35610	Loudoun-Meadow Brook 500 kV-FAA Ligh	618,485.38	December 1, 2020
16568910	3511014853	35610	Meadow Brook Mount Storm 500 kV-FAA	176,620.12	December 1, 2020
16568926	3511014868	35610	Meadow Brook Mount Storm 500 kV-FAA	226,322.26	December 1, 2020
16620587	3517790565	35610	Loudoun-Meadow Brook 500 kV (535)-up	7,466.05	December 1, 2020
16620594	3517790675	35610	Meadow Brook Mount Storm 500 kV (529)	11,178.32	December 1, 2020
	Various	35620	Vegetation Management	13,502.60	January 1, 2020
	Various	35620	Vegetation Management	13,373.36	February 1, 2020
	Various	35620	Vegetation Management	31,518.95	March 1, 2020
	Various	35620	Vegetation Management	29,487.85	April 1, 2020
	Various	35620	Vegetation Management	80,896.99	May 1, 2020
	Various	35620	Vegetation Management	142,781.77	June 1, 2020
	Various	35620	Vegetation Management	(84,189.52)	July 1, 2020
	Various	35620	Vegetation Management	19,908.27	August 1, 2020
	Various	35620	Vegetation Management	21,951.65	September 1, 2020
	Various	35620	Vegetation Management	37,726.86	October 1, 2020
	Various	35620	Vegetation Management	8,197.59	November 1, 2020
	Various	35620	Vegetation Management	15,877.38	December 1, 2020
Various			Total	331,033.75	
			Total 502 Junction to Territorial Line	1,590,815.81	
Other Projects					
13256183	505210614	35300	Erie South - Relay Replc-Four Mile	(4.99)	October 1, 2020
13302963	511281437	35300	Mansfield-Everts Dr-Build new 345/1	17,196.00	June 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	14.49	February 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	(20,000.00)	April 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	144.92	May 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	333.32	June 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	304.34	September 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	434.77	November 1, 2020
	477989703	35500, 35610	Osage-Whiteley(MP) - 5.8 mi new 138	14.49	December 1, 2020
13395937			Total	(18,753.67)	
13526185	495300103	35300	Kammer SS: T2 Xfmr Trans Maint	622.94	August 1, 2020
13547208	523690351	35220, 35300	Pierce Brook Sub: Install 345/230 kV	1,093.00	April 1, 2020
	533838718	35300	Blairsville Replace 138/115 kV Tran	2,488.34	August 1, 2020
	533838718	35300	Blairsville Replace 138/115 kV Tran	(330.27)	September 1, 2020
13609510			Total	2,158.07	
	504740949	35300	SS - Johnstown 230kV - Install a 11	451.11	June 1, 2020
	504740949	35300	SS - Johnstown 230kV - Install a 11	24,899.76	July 1, 2020
13631917			Total	25,350.87	
13632172	504740994	35300	Grand Point Substation - Install 2n	(236.40)	June 1, 2020
13744988	514254724	35400, 35500, 35610	Handsome Lake - Homer City 345 kV	412.40	October 1, 2020
13752842	654797141	35300	West Union SS: Install 138kV Capci	(10.65)	August 1, 2020
14080138	544395083	35610, 35900	Oak Mound - Waldo Run 138 kv	48,468.85	September 1, 2020

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2020 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						
14197715	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	(36.54)	January 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	154.65	February 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	366.11	June 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	231.97	July 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	637.53	August 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	816.31	September 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	692.76	October 1, 2020	
	540699748	35210, 35220, 35300	Erie South: Install +250/-100 MVAR	<u>3,848.33</u>	November 1, 2020	
			Total	6,711.12		
14276743	545657671	35210, 35220, 35300	Trail- Const New Richwood Hill SS fo	945.50	January 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	February 1, 2020	
	545657671	35210, 35220, 35300	Trail- Const New Richwood Hill SS fo	1,122.39	March 1, 2020	
	545657671	35210, 35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	April 1, 2020	
	545657671	35210, 35220, 35300	Trail- Const New Richwood Hill SS fo	1,679.74	May 1, 2020	
	545657671	35210, 35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	June 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	July 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	August 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	September 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	October 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	876.00	November 1, 2020	
	545657671	35220, 35300	Trail- Const New Richwood Hill SS fo	<u>876.00</u>	December 1, 2020	
				Total	11,631.63	
	14464107	68955528	35500, 35610, 35900	Oak Mound-Waldo Run #1 138 kV, New L	255.89	February 1, 2020
14464108	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	(33,821.52)	January 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	8,922.13	February 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	5,500.28	March 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	26,763.42	April 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	29,778.59	May 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	(33,244.35)	June 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	37,651.59	July 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	117,368.23	August 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	(40,092.06)	September 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	17,761.67	October 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	23,506.95	November 1, 2020	
	689555910	35500, 35610, 35900	Oak Mound - Waldo Run #1	<u>15,455.26</u>	December 1, 2020	
				Total	175,550.19	
	14490072	696302028	35210, 35220, 35300	Warren: Install 4 breaker 230Kv	8,276.85	January 1, 2020
696302028		35220, 35300	Warren: Install 4 breaker 230Kv	<u>1,270.13</u>	February 1, 2020	
			Total	9,546.98		
14516970	710349743	35500, 35610	138-kV Loop to Rider Sub	(19,988.15)	June 1, 2020	
14528199	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	1,252.58	January 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	687.66	February 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	1,064.27	March 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	122.68	April 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	28.60	May 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	9,102.63	June 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	26.65	July 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	26.68	August 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	26.75	September 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	26.75	October 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	26.75	November 1, 2020	
	711507286	35210, 35220, 35300	Joffre Substation - Construct 138kv	<u>(16.00)</u>	December 1, 2020	
				Total	12,376.00	
	14674519	753545861	35300	Pierce Brook SS-Inst 345 Kv Shunt Re	1,826.72	January 1, 2020
753545861		35300	Pierce Brook SS-Inst 345 Kv Shunt Re	623.30	April 1, 2020	
753545861		35300	Pierce Brook SS-Inst 345 Kv Shunt Re	<u>801.22</u>	July 1, 2020	
			Total	3,251.24		
14744354	774109402	35300	502 Junction-Repl Arresters on Bank	36,891.77	August 1, 2020	
15045134	819168369	35300	Meadow Brook-Inst MPLS Router	56.53	May 1, 2020	
	819168369	35300	Meadow Brook-Inst MPLS Router	3,178.73	June 1, 2020	
	819168369	35300	Meadow Brook-Inst MPLS Router	(434.57)	July 1, 2020	
	819168369	35300	Meadow Brook-Inst MPLS Router	602.74	October 1, 2020	
	819168369	35300	Meadow Brook-Inst MPLS Router	(200.42)	November 1, 2020	
	819168369	35300	Meadow Brook-Inst MPLS Router	<u>150.67</u>	December 1, 2020	
			Total	3,353.68		

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2020 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						
15045135	819169421	35300	Meadow Brook SVC-Inst MPLS Router	200.74	February 1, 2020	
	819169421	35300	Meadow Brook SVC-Inst MPLS Router	(130.61)	March 1, 2020	
	819169421	35300	Meadow Brook SVC-Inst MPLS Router	602.74	October 1, 2020	
	819169421	35300	Meadow Brook SVC-Inst MPLS Router	(200.42)	November 1, 2020	
	819169421	35300	Meadow Brook SVC-Inst MPLS Router	<u>150.67</u>	December 1, 2020	
			Total	623.12		
15045170	819169432	35300	502 Junction-Inst MPLS Router	700.96	April 1, 2020	
	819169432	35300	502 Junction-Inst MPLS Router	(312.86)	May 1, 2020	
	819169432	35300	502 Junction-Inst MPLS Router	201.25	October 1, 2020	
	819169432	35300	502 Junction-Inst MPLS Router	<u>200.88</u>	December 1, 2020	
			Total	790.23		
15085575	824654603	35300	Kammer- T200 Xfmr repair	1,803.67	January 1, 2020	
15386903	3366277229	35300	Mainesburg-Inst Shunt Reactor+345kv	9,605.71	January 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	8,932.09	February 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	2,313.13	March 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	166.18	April 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	1,836.23	May 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	(230.48)	June 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	(223.43)	July 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	591.24	August 1, 2020	
	3366277229	35210, 35300	Mainesburg-Inst Shunt Reactor+345kv	<u>1,648.27</u>	September 1, 2020	
				Total	24,638.94	
15435831	3372644707	35300	Black Oak SVC-Inst Physical Securit	2,723.94	May 1, 2020	
15435857	3372644736	35300	Black oak SVC-Inst MPLS Equipment	312,372.70	March 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	(11,143.38)	April 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	(1,562.75)	May 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	1,832.62	June 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	3,668.30	July 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	(289.96)	August 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	193.44	September 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	706.57	October 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	68.48	November 1, 2020	
	3372644736	35300	Black oak SVC-Inst MPLS Equipment	<u>120.80</u>	December 1, 2020	
				Total	305,966.82	
	15454982	3375029227	35300	Mainesburg-Remote end for Z1-069	(0.59)	January 1, 2020
3375029227		35300	Mainesburg-Remote end for Z1-069	<u>(24.60)</u>	February 1, 2020	
			Total	(25.19)		
15454983	3375029235	35300	Pierce brook Remote end for Z1-069	(0.59)	January 1, 2020	
	3375029235	35300	Pierce brook Remote end for Z1-069	<u>(24.60)</u>	February 1, 2020	
			Total	(25.19)		
15469278	3379341493	35500, 35610	Buckhannon - Rider 138KV Trans-Allegheny	3,128.76	August 1, 2020	
15501636	3381781021	35300	Mainesburg-Install Smart Card Reade	58,029.37	April 1, 2020	
15504855	3382211383	35400	Buckhannon Falls-Rider GlenFalls	3,607.41	January 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	4,643.75	February 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	1,615.18	March 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	996.11	April 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	1,751.91	May 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	(951.01)	June 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	3,081.60	July 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	25,332.49	August 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	757.89	September 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	5,208.74	October 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	11,406.75	November 1, 2020	
	3382211383	35400	Buckhannon Falls-Rider GlenFalls	<u>6,435.95</u>	December 1, 2020	
				Total	63,886.77	

Trans-Allegheny Interstate Line Company
Detail Transfers from CWIP to Plant in Service
2020 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					
15510557	3382740926	35300	Joffre-Install Smart Card Reader	159,398.95	April 1, 2020
15510930	3382748514	35300	Squab Hollow-install Smart Card Rea	132,804.16	April 1, 2020
	3497808854	35300	Hunterstown SVC: Security SALTO	38,622.70	November 1, 2020
	3497808854	35300	Hunterstown SVC: Security SALTO	<u>(1,769.21)</u>	December 1, 2020
15711074			Total	36,853.49	
	3419116492	35300	Equip Investigate/Repair Miscella	79,694.63	January 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	48,183.22	February 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	15,189.58	March 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	7,974.04	April 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	1,077.27	May 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	2,457.84	June 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	221,205.88	July 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	93,668.48	August 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	454,331.87	September 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	240,792.59	October 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	246,033.20	November 1, 2020
	3419116492	35300	Equip Investigate/Repair Miscella	<u>473,920.90</u>	December 1, 2020
15815914			Total	1,884,529.50	
15835814	3445916534	35300	Black Oak SVC SS	(296,542.57)	March 1, 2020
15856016	3426745088	35300	Waldo Run SVC SS TR-83 Spare Transf	19,085.62	September 1, 2020
	3432441758	35300	502 Junction SS-GE-D 60 Line Rely	(13,555.82)	August 1, 2020
	3432441758	35300	502 Junction SS-GE-D 60 Line Rely	70.72	September 1, 2020
	3432441758	35300	502 Junction SS-GE-D 60 Line Rely	<u>-1.42</u>	October 1, 2020
15920253			Total	(13,486.52)	
	3432749626	35300	Wylie Ridge SS-Repl SEL-1102	(34,754.61)	November 1, 2020
	3432749626	35300	Wylie Ridge SS-Repl SEL-1102	<u>(5,779.35)</u>	December 1, 2020
15922453			Total	(40,533.96)	
15922758	3432749643	35300	Wylie Ridge SS-Repl SAM-900	138.72	January 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	28.70	January 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	130.50	April 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	15.79	May 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	1,042.82	June 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	(208.89)	July 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	779.06	August 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	(103.15)	September 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	232.99	October 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	1,182.76	November 1, 2020
	3432749693	35300	Cabot SS-Repl SEL-1102	<u>35.94</u>	December 1, 2020
15922761			Total	3,136.52	
	3449461233	35300	Conemaugh SS-Operational Meter Brk	107,112.12	October 1, 2020
	3449461233	35300	Conemaugh SS-Operational Meter Brk	13,919.97	November 1, 2020
	3449461233	35300	Conemaugh SS-Operational Meter Brk	<u>2,490.74</u>	December 1, 2020
15956976			Total	123,522.83	
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	159,239.06	January 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	1,028.24	February 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	13,536.21	March 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(12,105.53)	April 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	9,850.65	May 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	645.49	June 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(4,244.66)	July 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	(4,797.90)	August 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	214.93	September 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	25.42	November 1, 2020
	3445901323	35300	Mainsburg SS- Repl Cybertec New RT	<u>(0.88)</u>	December 1, 2020
16052739			Total	163,391.03	
	3451664947	35300	Pierce brook SS-Instl 7 SATEC Panel	605.23	January 1, 2020
	3451664947	35300	Pierce brook SS-Instl 7 SATEC Panel	35.09	February 1, 2020
	3451664947	35300	Pierce brook SS-Instl 7 SATEC Panel	(107.61)	March 1, 2020
	3451664947	35300	Pierce brook SS-Instl 7 SATEC Panel	<u>(2.59)</u>	April 1, 2020
16095556			Total	530.12	
	3512410697	35300	Penelec - Spare Breaker	212,307.17	June 1, 2020
	3512410697	35300	Penelec - Spare Breaker	<u>(197,771.00)</u>	July 1, 2020
16577109			Total	14,536.17	
16582540	3513221502	35300	Meadowbrook 535 line 500kv (3) repl	64,593.67	November 1, 2020
			Total Other Projects	<u>3,029,375.74</u>	
			Total Additions	<u>4,620,191.55</u>	