Attachment 10 VEPCo Formula Rate for January 1, 2021 to December 31, 2021

8,739,302

	ia Electric and Power Company CHMENT H-16A		FERC Form 1 Page # or		
_					2021
	ıla Rate Appendix A	Notes	Instruction (Note H)		
	d cells are input cells				(000's)
llocator					
10/	ages & Salary Allocation Factor				
1	Transmission Wages Expense		p354.21b/ Attachment 5	\$	57,27
2	Less Generator Step-ups		Attachment 5	•	
3	Net Transmission Wage Expenses		(Line 1 - 2)		57,27
4 5	Total Wages Expense Less A&G Wages Expense		p354.28b/Attachment 5 p354.27b/Attachment 5		672,54 107,61
6	Total		(Line 4 - 5)	\$	564,93
			,	•	
7 W	ages & Salary Allocator	(Note B)	(Line 3 / 6)		10.1376
Pla	ant Allocation Factors				
8	Electric Plant in Service	(Notes A& Q)	p207.104.g/Attachment 5	\$	47,560,74
9	Common Plant In Service - Electric		(Line 26)		17.500.7
10	Total Plant In Service		(Sum Lines 8 & 9)		47,560,74
11	Accumulated Depreciation (Total Electric Plant)	(Notes A & Q)	(Line 15 - 14 - 13 -12)		18,163,13
12	Accumulated Intangible Amortization	(Notes A & Q)	p200.21c/Attachment 5		162,36
13	Accumulated Common Amortization - Electric	(Notes A & Q)	p356/Attachment 5		
14	Accumulated Common Plant Depreciation - Electric	(Notes A & Q)	p356/Attachment 5		40.005.40
15	Total Accumulated Depreciation		p219.29c/Attachment 5		18,325,49
16	Net Plant		(Line 10 - 15)		29,235,2
17	Transmission Gross Plant		(Line 31 - 30)		10,799,85
18 G r	oss Plant Allocator	(Note B)	(Line 17 / 10)		22.707
19 20 N e	Transmission Net Plant et Plant Allocator	(Note B)	(Line 44 - 30) (Line 19 / 16)	\$	8,732,80 29.870 8
20 NE	R Plant Allocator	(Note B)	(Line 197 16)		29.0700
lant Cal	culations				
Pla	ant In Service				
21	Transmission Plant In Service	(Notes A & Q)	p207.58.g/Attachment 5	\$	11,275,42
22	Less: Generator Step-ups	(Notes A & Q)	Attachment 5		418,43
23 24	Less: Interconnect Facilities Installed After March 15, 2000 Total Transmission Plant In Service	(Notes A & Q)	Attachment 5 (Lines 21 - 22 - 23)		170,1 10,686,8 8
24	Total Transmission Flant in Service		(Lines 21 - 22 - 20)		10,000,00
25	General & Intangible	(Notes A & Q)	p205.5.g + p207.99.g/Attachment 5		1,114,40
26	Common Plant (Electric Only)		p356/Attachment 5		
27 28	Total General & Common Wage & Salary Allocation Factor		(Line 25 + 26) (Line 7)		1,114,40 10.1376
29	General & Common Plant Allocated to Transmission		(Line 7) (Line 27 * 28)	\$	112,97
30		(Notes C & Q)	·	\$	
	Plant Held for Future Use (Including Land)	(Notes C & Q)	p214.47.d/Attachment 5	•	6,49
31 TC	OTAL Plant In Service		(Line 24 + 29 + 30)	\$	10,806,35
Ac	cumulated Depreciation				
32	Transmission Accumulated Depreciation	(Notes A & Q)	p219.25.c/Attachment 5	\$	2,184,5
33	Less Accumulated Depreciation for Generator Step-ups	(Notes A & Q)	Attachment 5	•	136,2
34	Less Accumulated Depreciation for Interconnect Facilities Installed After March 15, 2000	(Notes A & Q)	Attachment 5		34,6
35	Total Accumulated Depreciation for Transmission	(No+ A 0 C)	(Line 32 - 33 - 34)		2,013,6
36 37	Accumulated General Depreciation Accumulated Intangible Amortization	(Notes A & Q) (Notes A & Q)	p219.28.b/Attachment 5 (Line 12)		364,1 162,3
38	Accumulated Intangible Amortization - Electric	(NOIES A & Q)	(Line 12) (Line 13)		102,3
39	Common Plant Accumulated Depreciation (Electric Only)		(Line 14)		
40	Total Accumulated Depreciation		(Sum Lines 36 to 39)		526,4
41 42	Wage & Salary Allocation Factor		(Line 7)		10.1376
42	General & Common Allocated to Transmission		(Line 40 * 41)		53,3
	DTAL Accumulated Depreciation		(Line 35 + 42)	\$	2,067,0

(Line 31 - 43)

44 TOTAL Net Property, Plant & Equipment

/irginia Electric and Power Company ATTACHMENT H-16A FERC Form 1 Page # or								
	mula Rate Appendix A	Notes	Instruction (Note H)		2021			
ljus	tment To Rate Base							
4-	Accumulated Deferred Income Taxes	AL		•	// 070 5			
45 5A	Average Balance Accumulated Deferred Income Taxes Attributable To Acquisition Adjustments	(Note U)	Attachment 1 Attachment 5	\$ \$	(1,070,5 (4			
16	Accumulated Deferred Income Taxes Attributable To Acquisition Adjustments Accumulated Deferred Income Taxes Attributable To Transmission		(Line 45 + 45A)	\$	(1,071,0			
47	Transmission O&M Reserves Total Balance Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	\$	(28,6			
* /	Unamortized Excess/Deficient Deferred Income Taxes	Litter Negative	Attachment		(20,0			
7A	Unamortized Exc/Def Deferral		Attachment 5	\$	(525,1			
18	Prepayments Prepayments	(Notes A & R)	Attachment 5	\$	2,3			
19	Total Prepayments Allocated to Transmission	(Notes / Carry	(Line 48)	\$	2,3			
	Materials and Supplies							
50	Undistributed Stores Exp	(Notes A & R)	Attachment 5	\$				
1	Wage & Salary Allocation Factor		(Line 7)		10.13			
2	Total Transmission Allocated Materials and Supplies Transmission Materials & Supplies	(Note A)	(Line 50 * 51) Attachment 5		22			
4	Total Materials & Supplies Allocated to Transmission	(NOIE A)	(Line 52 + 53)	\$	22,			
	Cash Working Capital							
5	Transmission Operation & Maintenance Expense		(Line 85)	\$	147,			
6 7	1/8th Rule Total Cash Working Capital Allocated to Transmission		x 1/8 (Line 55 * 56)	\$	12 18,			
	Network Credits							
8	Outstanding Network Credits	(Note N)	Attachment 5 / From PJM					
9	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits Net Outstanding Credits	(Note N)	Attachment 5 / From PJM (Line 58 - 59)					
•			(2 66 66)					
DΑ	Electric Plant Acquisition Adjustments Approved by FERC Acquisition Adjustments Amount		Attachment 5	\$	8,8			
0B	Acummulated Provision for Amortization of Line 60A Amount		Attachment 5	φ	6,0			
OC	Transmission Plant Unamortized Acquisition Adjustments Amount		(Line 60A - 60B)	\$	8,0			
31	TOTAL Adjustment to Rate Base		(Line 46 + 47 + 47A + 49 + 54 + 57 - 60 + 60C)	\$	(1,573,			
52	Rate Base		(Line 44 + 61)	\$	7,165,			
M	Tate Sade		(LING TT : OT)	•	7,100,			
	Transmission O&M							
3	Transmission O&M		p321.112.b/Attachment 5	\$	88,			
4	Less GSU Maintenance		Attachment 5					
5 6	Less Account 565 - Transmission by Others Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note O)	p321.96.b/Attachment 5 PJM Data	\$	(23,			
7	Transmission O&M	(Note O)	(Lines 63 - 64 + 65 + 66)	\$	112,			
	Allocated General & Common Expenses							
8 9	Common Plant O&M Total A&G	(Note A)	p356	\$	070			
9	Less Property Insurance Account 924		Attachment 5 p323.185b		376 1			
1	Less Property insurance Account 924 Less Regulatory Commission Exp Account 928	(Note E)	p323.189b/Attachment 5		35			
2	Less General Advertising Exp Account 930.1	(p323.911b/Attachment 5		2			
3	Less EPRI Dues	(Note D)	p352-353/Attachment 5		4			
4	General & Common Expenses		(Lines 68 + 69) - Sum (70 to 73)	\$	332,			
5 6	Wage & Salary Allocation Factor General & Common Expenses Allocated to Transmission		(Line 7) (Line 74 * 75)	\$	10.13 33 ,			
	Directly Assigned A&G							
7	Regulatory Commission Exp Account 928	(Note G)	p323.189b/Attachment 5	\$				
8 9	General Advertising Exp Account 930.1 Subtotal - Transmission Related	(Note K)	p323.191b (Line 77 + 78)					
0	Property Insurance Account 924		p323.185b		1			
	General Advertising Exp Account 930.1	(Note F)	Attachment 5		'			
1	Total	, ,	(Line 80 + 81)		1			
2	Net Plant Allocation Factor		(Line 20)		29.87			
2				e				
2	A&G Directly Assigned to Transmission		(Line 82 * 83)	\$				

577,929

	inia Electric and Power Company ACHMENT H-16A			FERC Form 1 Page # or		
AII	ACHMENT H-16A			FERC FORM 1 Page # or		
						2021
	nula Rate Appendix A		Notes	Instruction (Note H)		
Depre	ciation & Amortization Expense					
	Depreciation Expense					
86 87	Transmission Depreciation Expense Less: GSU Depreciation		(Notes A and S)	p336.7b&c/Attachment 5 Attachment 5	\$	282,946 12,775
88	Less Interconnect Facilities Depreciation			Attachment 5		5,194
89	Extraordinary Property Loss			Attachment 5		0
90 90A	Total Transmission Depreciation Amortization of Acquisition Adjustments			(Line 86 - 87 - 88 + 89) Attachment 5		264,976 205
91	General Depreciation		(Note A)	p336.10b&c&d/Attachment 5		32,086
92	Intangible Amortization		(Note A)	p336.1d&e/Attachment 5		34,126
93 94	Total Wage & Salary Allocation Factor			(Line 91 + 92) (Line 7)		66,212 10.1376%
95	General and Intangible Depreciation Allocated to Transmis	sion		(Line 93 * 94)		6,712
96	Common Depreciation - Electric Only		(Note A)	p336.11.b		0
97	Common Amortization - Electric Only		(Note A)	p356 or p336.11d		0
98 99	Total			(Line 96 + 97) (Line 7)		0
100	Wage & Salary Allocation Factor Common Depreciation - Electric Only Allocated to Transmi	ssion		(Line 7) (Line 98 * 99)		10.1376% 0
	,			(======================================		_
101	Total Transmission Depreciation & Amortization			(Line 90 + 90A + 95 + 100)	\$	271,893
Taxes	Other than Income					
102	Taxes Other than Income			Attachment 2	s	76,846
					· .	
103	Total Taxes Other than Income			(Line 102)	\$	76,846
Return	n / Capitalization Calculations					
	Long Term Interest					
104	Long Term Interest Long Term Interest		(Note T)	p117.62c through 67c/Attachment 5	\$	522,820
105	Long Term Interest Less LTD Interest on Securitization Bonds		(Note T) (Note P)	Attachment 8		0
	Long Term Interest				\$	
105	Long Term Interest Less LTD Interest on Securitization Bonds			Attachment 8		0
105 106	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest		(Note P)	Attachment 8 (Line 104 - 105) p118.29c	\$	522,820
105 106 107	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital		(Note P) (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2	\$	522,820
105 106 107 108 109	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock	ome	(Note P) (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117)	\$	522,820 - - 13,517,390 0
105 106 107	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital	ome	(Note P) (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2	\$	522,820
105 106 107 108 109 110	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock	ome	(Note P) (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2	\$ \$	522,820 - - 13,517,390 0 20,478
105 106 107 108 109 110 111	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization	ome	(Note P) (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110)	\$ \$ \$	13,517,390 0 20,478 13,537,868
105 106 107 108 109 110 111 112 113	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt	ome	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2	\$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492)
105 106 107 108 109 110 111 112 113 114	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt		(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p113.61c,d/2	\$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095
105 106 107 108 109 110 111 112 113	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds	ome (Note P)	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p113.61c,d/2 Attachment 8	\$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0
105 106 107 108 109 110 111 112 113 114 115 116 117	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock		(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p118.1c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2	\$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129
105 106 107 108 109 110 111 112 113 114 115 116 117	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock		(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p13.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock		(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p118.1c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2	\$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt %	(Note P) Total Long Term Debt	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization	(Note P)	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common %	(Note P) Total Long Term Debt Preferred Stock Common Stock	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p113.81c,d/2 p13.81c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 118 / 119)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 522,820 - 13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47,2% 0,0% 52,8%
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common % Debt Cost	(Note P) Total Long Term Debt Preferred Stock Common Stock Total Long Term Debt	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 118 / 119) (Line 106 / 116)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47.2% 0.0% 52.8%
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common %	(Note P) Total Long Term Debt Preferred Stock Common Stock	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter negative	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p113.81c,d/2 p13.81c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 118 / 119)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 522,820 - 13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47,2% 0,0% 52,8%
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common % Debt Cost Preferred Cost Common Cost	(Note P) Total Long Term Debt Preferred Stock Common Stock Total Long Term Debt Preferred Stock Common Stock	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter positive (Note T), enter positive (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p113.61c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 118 / 119) (Line 106 / 116) (Line 107 / 117) Fixed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 522,820 - 13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47,2% 0.0% 52,8% 0.0433 0.0000 0.1140
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common % Debt Cost Preferred Cost Common Cost Weighted Cost of Debt	(Note P) Total Long Term Debt Preferred Stock Common Stock Total Long Term Debt Preferred Stock Common Stock Total Long Term Debt (WCLTD)	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter positive (Note T), enter positive (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p111.81c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 117 / 119) (Line 106 / 116) (Line 107 / 117) Fixed (Line 120 * 123)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47,2% 0,0% 52,8% 0,0433 0,0000 0,1140
105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Long Term Interest Less LTD Interest on Securitization Bonds Long Term Interest Preferred Dividends Common Stock Proprietary Capital Less Preferred Stock Less Account 219 - Accumulated Other Comprehensive Inc Common Stock Capitalization Long Term Debt Less Loss on Reacquired Debt Plus Gain on Reacquired Debt Less LTD on Securitization Bonds Total Long Term Debt Preferred Stock Common Stock Total Capitalization Debt % Preferred % Common % Debt Cost Preferred Cost Common Cost	(Note P) Total Long Term Debt Preferred Stock Common Stock Total Long Term Debt Preferred Stock Common Stock	(Note P) (Note T), enter positive (Note T), enter negative (Note T), enter negative (Note T), enter positive (Note T), enter positive (Note T), enter positive (Note T), enter positive	Attachment 8 (Line 104 - 105) p118.29c p112.16c,d/2 (Line 117) p112.15c,d/2 (Sum Lines 108 to 110) p112.24c,d/2 p113.61c,d/2 p113.61c,d/2 Attachment 8 (Sum Lines 112 to 115) p112.3c,d/2 (Line 111) (Sum Lines 116 to 118) (Line 116 / 119) (Line 117 / 119) (Line 118 / 119) (Line 106 / 116) (Line 107 / 117) Fixed	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 522,820 - 13,517,390 0 20,478 13,537,868 12,077,526 (492) 3,095 0 12,080,129 0 13,537,868 25,617,996 47,2% 0.0% 52,8% 0.0433 0.0000 0.1140

(Line 62 * 129)

130 Investment Return = Rate Base * Rate of Return

	inia Electric and Power Company ACHMENT H-16A		FERC Form 1 Page # or		
	nula Rate Appendix A	Notes	Instruction (Note H)		2021
Comp	osite Income Taxes				
131 132 133 134 135	Income Tax Rates FIT=Federal Income Tax Rate SIT=State Income Tax Rate or Composite p T T(1-T)	(Note I) (percent of federal income tax deductible for state purposes) T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =	Attachment 5 Attachment 5 Per State Tax Code		21.00% 5.85% 0.00% 25.62% 34.45%
136 136A 137	Transmission Related Income Tax Adjustments Amortized Investment Tax Credit (ITC) Other Income Tax Adjustments T/(1-T)	(Note I) enter negative	Attachment 1 Attachment 5 (Line 135)	\$ \$	(128) (1,463) 34.45%
138	Transmission Income Taxes - Income Tax Adjustments		((Line 136 + 136A) * (1 + Line 137))	\$	(2,140)
	Transmission Income Taxes - Equity Return =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	[Line 135 * 130 * (1-(126 / 129))]		148,722
140	Total Transmission Income Taxes		(Line 138 + 139)		146,582
REVE	NUE REQUIREMENT				
141 142 143	Summary Net Property, Plant & Equipment Adjustment to Rate Base Rate Base		(Line 44) (Line 61) (Line 62)	\$	8,739,302 (1,573,563) 7,165,739
144 145 146 147 148 149	O&M Depreciation & Amortization Taxes Other than Income Investment Return Income Taxes		(Line 85) (Line 101) (Line 103) (Line 130) (Line 140)		147,200 271,893 76,846 577,929 146,582
150	Revenue Requirement		(Sum Lines 144 to 149)	\$	1,220,450
150A 150B 150C 150D	Acquisition Adjustments Revenue Requirement Acquisition Adjustments Return Acquisition Adjustments Income Taxes Amortization of Acquisition Adjustments Acquisition Adjustments Revenue Requirement		Line 129 * (60C + 45A) [Line 135 * 150A * (1- (126 / 129))] (Line 90A) (Line 150A + 150B + 150C)	\$ \$	605 156 205 966
151 152 153 154 155	Net Plant Carrying Charge Revenue Requirement excluding Acquisition Adjustments Rev Net Transmission Plant Net Plant Carrying Charge without Acquisition Adjustments Net Plant Carrying Charge without Acquisition Adjustments an Net Plant Carrying Charge without Acquisition Adjustments, D	d Depreciation	(Line 150 - 150D) (Line 24 - 35) (Line 151 / 152) (Line 151 - 86) / 152 (Line 150 - 86 - 90A - 130 - 140) / 152	\$	1,219,484 8,673,205 14.0604% 10.7981% 2.4534%
156 157 158 159 160 161	Net Plant Carrying Charge Calculation with 100 Basis Point incr Gross Revenue Requirement Less Return, Income Taxes, an Increased Return and Taxes Net Revenue Requirement excluding Acquisition Adjustments Net Transmission Plant Net Plant Carrying Charge with 100 Basis Point increase in Re Net Plant Carrying Charge with 100 Basis Point increase in Re	nd Amortization of Acquisition Adjustments Rev. Req. with 100 Basis Point increase in ROE DE without Acquisition Adjustments	(Line 150 - 147 - 148 - 90A) Attachment 4 (Line 156 + 157) (Line 152) (Line 158 / 159) (Line 158 - 86) / 159	\$	495,734 774,610 1,270,343 8,673,205 14.6468% 11.3845%
162 163 164 165 166	Revenue Requirement True-up Adjustment Plus any increased ROE calculated on Attachment 7 other tha Facility Credits under Section 30.9 of the PJM OATT. Revenue Credits	n PJM Schedule 12 projects.	(Line 150) Attachment 6 Attachment 7 Attachment 5 Attachment 3	\$	1,220,450 50,319 2,062 3,212 (29,772)
167 168	Interest on Network Credits Annual Transmission Revenue Requirement (ATRR)		PJM data (Line 162 + 163 +164 + 165 + 166 + 167)	\$	0 1,246,271
	. , ,			•	.,= .=,=. 1
169 170	Rate for Network Integration Transmission Service 1 CP Peak Rate (\$/MW-Year)	(Note L)	PJM Data (Line 168 / 169)		20,086.5 62,045.12
171	Rate for Network Integration Transmission Service	e (\$/MW/Year)	(Line 170)	(62,045.12

Virginia Electric and Power Company **ATTACHMENT H-16A**

FERC Form 1 Page # or

Formula Rate -- Appendix A Instruction (Note H) Notes

2021

Notes

- A Electric portion only VEPCO does not have Common Plant.
 B Excludes amounts for Generator Ct Excludes amounts for Generator Step-ups and Interconnection Facilities, when appropriate.
- Includes Transmission portion only.
- Excludes all EPRI Annual Membership Dues.
- Includes all regulatory commission expenses.
- Includes all safety related advertising included in Account 930.1.
- Includes all regulatory commission expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- The Form 1 reference indicates only the end-of-year balance used to derive the amount beside the reference. Each plant balance with a Form 1 reference will include the Form 1 balance in an average of the 13 month balances for the year. Each non-plant balance included in rate base with a Form 1 reference will include Form 1 balances in the calculation of the average of the beginning and end of year balances for the year. See notes Q and R below.
- 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. Furthermore, a utility that
 - elected to use amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
- multiplied by (1/1-T). A utility must not include tax credits as a reduction to rate base and as an amortization against taxable income
- Per FERC order in Docket No. ER08-92, the ROE is 11.4%, which includes a 50 basis point RTO membership adder as authorized by FERC to become effective January 1, 2008, Per FERC order in Docket No. , the ROE for each specific project identified in that order will also include either an 150 or 125 basis point transmission incentive adder as authorized by the Commission.
- K Education and outreach expenses relating to transmission, for example siting or billing.
- As provided for in Section 34.1 of the PJM OATT.
- Amount of transmission plant excluded from rates per Attachment 5.
- Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments (net of accumulated depreciation) toward the construction of Network Transmission Facilities consistent with Paragraph 657 of Order 2003-A Interest on the Network Credits as booked each year is added to the revenue requirement on Line 167.
- 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. If they are booked to Acct 565, they are included on Line 66.
- Securitization bonds may be included in the capital structure.
- Calculated using 13 month average balance. Only beginning and end of year balances are from Form 1.
- Calculated using average of beginning and end of year balances. Beginning and end of year balances are from Form 1. The depreciation rates are included in Attachment 9.
- T For the initial formula rate calculation, the projected capital structure shall reflect the capital structure from the 2006 FERC Form No. 1 data. For all other formula rate calculations, the projected capital structure and actual capital structure shall reflect the capital structure from the most recent FERC Form No. 1 data available.

 U ADIT amounts included on Line 45A are not to be included on Line 45 or in the underlying attachments in which the Line 45 amount is computed.

Virginia Electric and Power Company

Attachment 1 - Accumulated Deferred Inco me Tax (ADIT) Worksheet - December 31 of the Current Year

(In Thousands)

Current Year: 2021 Wage and Salary Allocator from Line 7 of Appendix A for the Current Year 10.1376% Gross Plant Allocator from Line 18 of Appendix A for the Current Year (A) (C) (D) (E) (F) (G) (H) (I) Transmission Allocation / Allocation / Transmission Account 282 Account 283 Line Account 190 Total Assignment Method Total Assignment % ADIT - Liberalized Depreciation (Amounts Including Adjustments) Liberalized Depreciation - Transmission (949,902) (949,902) Assigned 100.0000% (949,902) Liberalized Depreciation - General Plant (39,252) (39,252) Wages & Salaries 10.1376% (3,979) Liberalized Depreciation - Computer Software (7,798) Wages & Salaries 10.1376% (791) 4 Total Liberalized Depreciation Amounts including Adjustments (Sum of Lines 1 - 3) (996,953) (996,953) (954,672) ADIT - Plant Related Other than Liberalized Depreciation (129.594) Transmission Plant (net of GSU/GI Proportion) 137 (129.456) Assigned 100.0000% (129.456) 35 48,433 (11,434) (11,399) Wages & Salaries 10.1376% (1,156) (46,162) 2,238 (138,617) Plant - Other (33) **Gross Plant** 22.7075% 508 8 Total Plant Related Other than Liberalized Depreciation (Sum of Lines 5 - 7) 48,606 (141,061) (46,162) \$ (130,104) ADIT - Not Plant Related 9 Employee Benefits
10 Other Operating
11 Total Not Plant Related (Sum of Lines 9 - 10) 213.345 (75,399) 137,946 Wages & Salaries 10.1376% 13,984 Wages & Salaries 10.1376% 8,992 (412) 8,581 14,854 222.338 \$ (75,811) \$ 146.527 12 Total ADIT used for Assignment or Allocation to Transmission (Sum of Lines 4, 8 & 11) 270,944 \$ (1,138,013) \$ (121,973) \$ (989,043) (1,069,922) Reconciliation to FERC Form 1 Accounts: Liberalized Depreciation not Allocated or Assigned to Transmission (4.122.682) Total Amount of Excluded ADIT in Line 5 due to Adjustments (665,231) 1,817,043 (1,907,621) 15 3,390,151 Excluded Amounts (see Explanations below) 16 Total ADIT Not Used for Assignment or Allocation to Transmission (Sum of Lines 13-16)
17 Total FERC Form 1 Balance (Sum of Lines 12 & 16) 3,390,151 3,661,095 (2,970,869) (4,108,883) (1,907,621) (2,029,594)

Explanations:

A detailed set of work papers supporting these inputs shall be included with the work papers posted on the PJM website and included in the informational filing with the Commission.

Lines 1-3 inputs are from Attachment 1B if the inputs are for a projected rate calculation or from Attachment 1C if the inputs are for a true-up calculation.

Lines 5-7, 9-10 and 13 inputs are totals for each category by account obtained from work papers maintained by the Tax Department.

Line 14 represents the impact of proration and the removal of ADIT associated with generator step-up transformers as determined on Attachment 1B or 1C, as applicable. It is the mathematical

difference between the inputs for Lines 1-3 and the unadjusted amounts provided in the applicable Attachment 1B or 1C.
Line 15 inputs are excluded ADIT items (not otherwise listed in Lines 13 and 14) from the Formula Rate such as ADIT associated with the production and distribution functions, non-operating income and deductions, and other comprehensive income entries or unfunded ADIT balances primarily due to the adoption of SFAS No. 109.

Virginia Electric and Power Company Attachment 1 -- Continued (In Thousands)

Line

ADIT Summary and Calculation of Average Balance

<u>Description</u>	Balance Date	Amount
18 Transmission Total ADIT from Attachment 1, Line 12	December 31 of the Current Year	\$ (1,069,922)
19 Transmission Total ADIT from Attachment 1A, Line 12 (Note 1)	December 31 of the Previous Year	\$ (1,071,262)
20 Average Balance for Entry on Line 45 of Appendix A		\$ (1,070,592)

Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet -- Amortization of ITC-255

<u>Item</u>	Am	ortization
21 Amortization of Transmission Related for Entry on Line 136 of Appendix A	\$	128
22 Amortization, Other	\$	(59,964)
23 Current Year Amortization (Line 21 + 22)	\$	(59,836)
24 Current Year Amortization from Form 1 (Current Year Items from p266.8f-g)	\$	(59,836)
25 Difference (Line 23 - 24) (Must be Zero)	\$	-

Note (1): For the true-up of 2017 only, the value entered on Line 19 shall be the December 31, 2016 ADIT balance from the 2016 true-up population of the formula rate in effect on December 31, 2016.

Virginia Electric and Power Company

Attachment 1A - Accumulated Deferred Income Tax (ADIT) Worksheet - December 31 of the Previous Year

(In Thousands)

For the true-up of 2017, this Attachment 1A shall not be populated. The December 31, 2016 ADIT balance used in Attachment 1 of the 2017 true-up population shall be the December 31, 2016 ADIT balance from the 2016 true-up population of the formula rate in effect on December 31, 2016. 8 6350%

	Wage and Salary Allocator from Line 7 of Appendix A for the Previous Year Gross Plant Allocator from Line 18 of Appendix A for the Previous Year		8.6350% 21.9356%								
(A)	(B)		(C)		(D)	(E)	(F)	(G)	(H)		(1)
								Transm	ission	_	
								Allocation /	Allocation /	Tr	ansmission
Line		Acc	ount 190		Account 282	Account 283	Total	Assignment Method	Assignment %		Total
	ADIT - Liberalized Depreciation (Amounts Including Adjustments) Liberalized Depreciation - Transmission Liberalized Depreciation - General Plant Liberalized Depreciation - Computer Software 4 Total Liberalized Depreciation Amounts including Adjustments (Sum of Lines 1 - 3)	\$	·	\$ \$ \$	(949,902) (39,252) (7,798) (996,953)	\$	(949,902) (39,252) (7,798) (996,953)	Assigned Wages & Salaries Wages & Salaries	100.0000% 8.6350% 8.6350%	\$	(949,902) (3,389) (673) (953,965)
	ADIT - Plant Related Other than Liberalized Depreciation Transmission Plant (net of GSU/GI Proportion) General Plant Plant - Other Total Plant Related Other than Liberalized Depreciation (Sum of Lines 5 - 7)	\$	137 35 48,433 48,606	\$	(129,594) (11,434) (33) (141,061)	(46,162) \$ (46,162) \$	(129,456) (11,399) 2,238 (138,617)	Assigned Wages & Salaries Gross Plant	100.0000% 8.6350% 21.9356%	\$	(129,456) (984) 491 (129,950)
1	ADIT - Not Plant Related 9 Employee Benefits 0 Other Operating 1 Total Not Plant Related (Sum of Lines 9 - 10) 2 Total ADIT used for Assignment or Allocation to Transmission (Sum of Lines 4, 8 & 11)	\$	213,345 8,992 222,338 270,944		(1,138,013)	(75,399) (412) \$ (75,811) \$ \$ (121,973) \$	137,946 8,581 146,527 (989,043)	Wages & Salaries Wages & Salaries	8.6350% 8.6350%	\$	11,912 741 12,653
1 1 1	Reconciliation to FERC Form 1 Accounts: 3 Liberalized Depreciation not Allocated or Assigned to Transmission Total Amount of Excluded ADIT in Line 5 due to Adjustments		3,390,151 3,390,151 3,661,095		(4,122,682) (665,231) 1,817,043 (2,970,869) (4,108,883)	(1,907,621) (1,907,621)	(203)040)			<u>*</u>	(2)0.2,602)

Explanations:

A detailed set of work papers supporting these inputs shall be included with the work papers posted on the PJM website and included in the informational filling with the Commission.

Lines 1-3 inputs are from Attachment 10 if the inputs are for a projected rate calculation or from Attachment 1C if the inputs are for a true-up calculation. Lines 5-7, 9-10 and 13 inputs are totals for each category by account obtained from work papers maintained by the Tax Department.

Lines 3-7/3-10 and 13 inplus and using you was common to put a more part of profit of an analysis of activities growing the fact beginning to the fact beg

Virginia Electric and Power Company
ATTACHMENT H-16A
Atta:hement 15
Projected Accumulated Deferred Federal Income Taxes and Excess/Deficient Deferred Federal Income Taxes Associated with Pro-rata Liberalized Depreciation

Applicable to the Projections of 2021 and Later and True-ups of 2020 and Later

If the formula rate population is for determining a projected ATRR, enter the year for which the projection is being made on line 1 and populate the remainder of this Attachment 1B with the projected data associated with that year. If the formula rate population is for determining a true-up ATRR for use on Line A of Attachment 6, enter the year for which the true-up is being calculated on line 1 and populate the remainder of this Attachment 1B with the data that was included in Attachment 1B of the projection associated with that year.

Sheet 1 of 3

Projection for Year: 2021 Number of Days in Year: 365 (Enter 365, or for Leap Year enter 366)

Part 1: Account 282, Transmission Plant In Service

Columns 3, 4, 7, 8, 9, 10, 13, 14 are in dollars (except line 16).

	(1)	(2)	(3) Projected Transmission	(4)	(5) Remaining	(6)	(7) Activity	(8) ADIT	(9) Projected Transmission	(10)	(11) Remaining	(12)	(13) Activity	(14) Net (EDIT)/DDIT
Line	Year	Month	Plant in Service ADIT	Activity	Days	Ratio	with Proration	with Proration	Net (EDIT)/DDIT	Activity	Days	Ratio	with Proration	with Proration
3	2020	Dec	(991,648,638)	l				***************************************	***************************************					***************************************
4	2021	Jan	(993,549,435)	*****************	335	****************	***************************************	***************************************	***************************************	********	335	0.917808	********	***************************************
5	2021	Feb	(995,450,231)	*****************	307	********	***************************************	***************************************	*******************	*******	307	0.841096	********	***************************************
6	2021	Mar	(997,351,027)	*****************	276	****************	***************************************	***************************************	***************************************	********	276	0.756164	********	***************************************
7	2021	Apr	(999,251,823)	*****************	246	********	***************************************	***************************************	*******************	*******	246	0.673973	********	***************************************
8	2021	May	************************	********	215	*****************	***************************************	***************************************	***************************************	********	215	0.589041	********	***************************************
9	2021	Jun	************************	*****************	185	*********	***************************************	***************************************	***************************************	*******	185	0.506849	********	***************************************
10	2021	Jul	***************************************	********	154	*****************	***************************************	***************************************	*******************	********	154	0.421918	********	***************************************
11	2021	Aug	************************	******	123	*********	***************************************	***************************************	*******************	*******	123	0.336986	********	***************************************
12	2021	Sep	***************************************	********	93	*****************	***************************************	***************************************	*******************	********	93	0.254795	******* **********	***************************************
13	2021	Oct	************************	******	62	*********	***************************************	***************************************	*******************	*******	62	0.169863	******	***************************************
14	2021	Nov	***************************************	****************	32	*****************	***************************************	***************************************	***************************************	*******	32	0.087671	******* **********	***************************************
15	2021	Dec	***************************************	********	1	*****************	***************************************	***************************************	*******************	********	1	0.002740	840	*******
16	Total Transmission I	Plant In Service I	Net of GSU and GI Plant as a Pe	rcentage of Total Transmi	ission Plant In Servi	DB:		***************************************						***************************************

17 For Column 8, Line 15 x Line 16; and For Column 14, Line 15 x Line 16:

Explanations:
Col. 3 & 9
Col. 4 & 10
Col. 5 & 11
Col. 6 & 12
Col. 7 & 13
Col. 8 & 14, Line 3
Col. 8 & 14, Line 3
Col. 8 & 14, Line 17 Projected Account 282 month-end ADT and Net EDIT/DDIT (excludes cost of removal). Monthly change in ADIT and Net EDIT/DDIT balances. Number of days remaining in the year as of and including the last day of the month. Col. 5 or Col. 11 divided by the number of days in the year. Col. 4 or Col. 10 multiplied by col. 6 or col. 12. Amount from col. 3 or col. 9, line 5. Col. 3 or col. 9, line 5. Col. 3 or col. 9, line 5. Col. 3 or col. 9, line 6. Col. 8 or Col. 14 of previous month plus col. 7 or col. 13 of current month. Appendix A. Line 24 - Appendix A. Line 24 reports with coll 10 or 10 or

Attachment 1B (Continued) 2021 Sheet 2 of 3

Part 2: Account 282, General Plant

Columns 3, 4, 7, 8, 9, 10, 13, and 14 are in dollars (except line 15).

Line	(1) Year	(2) Month	(3) Projected General Plant ADIT	(4) Activity	(5) Remaining Days	(6) Ratio	(7) Activity with Proration	(8) ADIT with Proration	(9) Projected Transmission Net (EDIT)/DDIT	(10) Activity	(11) Remaining Days	(12) Ratio	(13) Activity with Proration	(14) Net (EDIT)/DDIT with Proration
1	2020	Dec	(40,897,998)					***************************************	***************************************					***************************************
2 3 4 5 6 7 8 9 10	2021 2021 2021 2021 2021 2021 2021 2021	Jan Feb Mar Apr May Jun Jul Aug Sep Oct	(40,601,874) (40,305,750) (40,009,626) (39,713,502) (39,417,378) (39,121,254) (38,825,130) (38,529,006) (38,232,882) (37,936,758)	**************************************	335 307 276 246 245 185 154 123 93 62		**************************************				335 307 276 246 245 115 185 154 123 93 62	0.917808 0.841096 0.756164 0.673973 0.589041 0.506849 0.421918 0.336986 0.254795 0.169863	**************************************	
12 13 14	2021 2021 For Column 8, equ	Nov Dec als Line 13. For ((37,640,633) (37,344,509) Column 14, equals Line 13.	******** *****************************	32	***************************************		***************************************	***************************************	***************************************	32 1	0.087671 0.002740	481	***************************************

Factor at time of Income Tax Rate Change (Att 5A) 8.07% 15

16

Explanations: Col. 3 & 9 Col. 4 & 10 Col. 5 & 11 Col. 6 & 12 Col. 7 & 13 Col. 8 & 14, Lines 2-13 Col. 8 & 14, Lines 2-13 Col. 8, Line 14 Col. 14, Line 15 Col. 14, Line 16 Projected Account 282 month-end ADIT and Net EDIT/DDIT (excludes cost of removal). Monthly change in ADIT and Net EDIT/DDIT desiroses. Number of days remaining in the year and and including the last day of the month. Col. 5 or Col. 11 divided by the number of days in the year. Col. 4 or Col. 10 multiplied by ool. 6 or col. 12. Amount from col. 3 or col. 9, line 3. Col. 8 or Col. 14 or previous month plus col. 7 or col. 13 of current month. Col. 8, Line 13. Allocator used for year EDIT/DDIT were established. Col. 14, Line 15 multiplied by line 16.

Attachment 1B (Continued) 2021 Sheet 3 of 3

Part 3: Account 282, Computer Software

Columns 3, 4, 7, 8, 9, 10, 13, and 14 are in dollars (except line 15). The column and line explanations are as described for Part 2.

	(1)	(2)	(3) Projected General Plant	(4)	(5) Remaining	(6)	(7) Activity	(8) ADIT	(9) Projected Transmission	(10)	(11) Remaining	(12)	(13) Activity	(14) Net (EDIT)/DDIT
Line	Year	Month	ADIT	Activity	Days	Ratio	with Proration	with Proration	Net (EDIT)/DDIT	Activity	Days	Ratio	with Proration	with Proration
1	2020	Dec	(9,566,987)					***************************************	***************************************					***************************************
2	2021	Jan	(9,248,829)	*********	335	************	********	***************	*******************	******* **********	335	0.917808	******* **********	
3	2021	Feb	(8,930,670)	********	307	****************	********	****************	******************	*******	307	0.841096	*******	
4	2021	Mar	(8,612,512)	********	276	****************	********	****************	******************	*******	276	0.756164	*******	
5	2021	Apr	(8,294,354)	********	246	************	*******	**************	***************************************	*******	246	0.673973	******* **********	
6	2021	May	(7,976,196)	********	215	****************	*********	****************	*******************	******* **********	215	0.589041	******	
7	2021	Jun	(7,658,037)	********	185	************	*******	**************	***************************************	*******	185	0.506849	******* **********	
8	2021	Jul	(7,339,879)	********	154	****************	********	****************	******************	*******	154	0.421918	*******	
9	2021	Aug	(7,021,721)	********	123	************	*******	**************	***************************************	*******	123	0.336986	******* **********	
10	2021	Sep	(6,703,563)	********	93	****************	******* ***********	***************	******************	******* **********	93	0.254795	*******	
11	2021	Oct	(6,385,404)	*********	62	************	******	***************	***************************************	******* **********	62	0.169863	******* **********	
12	2021	Nov	(6,067,246)	********	32	****************	*******	***************	******************	******* **********	32	0.087671	6,749	******
13	2021	Dec	(5,749,088)	*******	1	****************	872	***************	***************************************	*******	1	0.002740	211	*****************
14	For Column 8, equa	als Line 13. For 0	Column 14, equals Line 13.					******************						***********

15

16

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 1B - 2020 Projection / 2019 True-Up

Projected Accumulated Deferred Federal Income Taxes Associated with Pro-rata Liberalized Depreciation

Applicable to the Projection of 2020 and True-up of 2019

If the formula rate population is for determining a projected ATRR, enter the year for which the projection is being made on line 1 and populate the remainder of this Attachment 1B with the projected data associated with that year. If the formula rate population is for determining a true-up ATRR for use on Line A of Attachment 6, enter the year for which the true-up is being calculated on line 1 and populate the remainder of this Attachment 1B with the data that was included in Attachment 1B of the projection associated with that year.

Sheet 1 of 3

Line 1 Projection for Year: Number of Days in Year: (Enter 365, or for Leap Year enter 366) Line 2

Part 1: Account 282, Transmission Plant In Service

Columns 3, 4, 7, and 8 are in dollars (except line 16).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) ADIT
	.,		Projected Transmission		Remaining	5 "	Activity	
Line	Year	Month	Plant in Service ADIT	Activity	Days	Ratio	with Proration	with Proration
_		_						
3	-	Dec						-
4	-	Jan		-	-	-	-	-
5	-	Feb		-	307	-	-	-
6	-	Mar		-	276	-	-	-
7	-	Apr		-	246	-	-	-
8	-	May		-	215	-	-	-
9	-	Jun		-	185	-	-	-
10	-	Jul		-	154	-	-	-
11	-	Aug		-	123	-	-	-
12	-	Sep		-	93	-	-	-
13	-	Oct		-	62	-	-	-
14	-	Nov		-	32	-	-	-
15	-	Dec		-	1	-	-	-
16	Total Transmission	on Plant In Service	Net of GSU and GI Plant as a Per	centage of Total Transmiss	ion Plant In Service:			94.78%

Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a Projected ATRR:

Explanations:

Projected Account 282 month-end ADIT (excludes cost of removal).

Monthly change in ADIT balance. Number of days remaining in the year as of and including the last day of the month. Col. 4 Col. 5

Col. 6 Col. 7 Col. 5 divided by the number of days in the year. Col. 4 multiplied by col. 6.

Col. 8, Line 3 Amount from col. 3, line 3.

Col. 8, Lines 4-15 Col. 8, Line 16

Col. 8 of previous month plus col. 7 of current month.

Appendix A Line 24 + Appendix A, Line 21 (from the projection population of the formula)

Col. 8, Line 17 Col. 8, Line 15 multiplied by line 16.

Attachment 1B - 2020 Projection / 2019 True-Up (Continued)

Sheet 2 of 3

Part 2: Account 282, General Plant

Columns 3, 4, 7, and 8 are in dollars.

	(1)	(2)	(3) Projected General Plant	(4)	(5) Remaining	(6)	(7) Activity	(8) ADIT
Line	Year	Month	ADIT	Activity	Days	Ratio	with Proration	with Proration
1	-	Dec						-
2	-	Jan		-	-	-	-	-
3	-	Feb		-	307	-	-	-
4	-	Mar		-	276	-	-	-
5	-	Apr		-	246	-	-	-
6	-	May		-	215	-	-	-
7	-	Jun		-	185	-	-	-
8	-	Jul		-	154	-	-	-
9	-	Aug		-	123	-	-	-
10	-	Sep		-	93	-	-	-
11	-	Oct		-	62	-	-	-
12	-	Nov		-	32	-	-	-
13	-	Dec		-	1	-	-	-

Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments and 1 1A Only When the Formula Rate Population is to Calculate a Projected ATRR:

Explanations: Col. 3 Col. 4

Projected Account 282 month-end ADIT (excludes cost of removal).

Current month change in ADIT balance.

Number of days remaining in the year as of and including the last day of the month.

Col. 5 divided by the number of days in the year.

Col. 4 multiplied by Col. 6.

Col. 4 Col. 5 Col. 6 Col. 7 Col. 8, Line 1 Col. 8, Lines 2-13

Amount from col. 3, line 1.
Col. 8 of previous month plus Col. 7 of current month.
Col. 8, Line 13.

Col. 8, Line 14

Attachment 1B 2020 Projection / 2019 True-Up (Continued)

Sheet 3 of 3

Part 3: Account 282, Computer Software - Book Amortization

Columns 3, 4, 7, and 8 are in dollars.
The column and line explanations are as described for Part 2.

	(1)	(2)	(3) Projected Computer	(4)	(5) Remaining	(6)	(7) Activity	(8) ADIT
Line	Year	Month	Software Book Amount ADIT	Activity	Days	Ratio	with Proration	with Proration
1	-	Dec						-
2	-	Jan		-	-	-	-	-
3	-	Feb		-	307	-	-	-
4	-	Mar		-	276	-	-	-
5	-	Apr		-	246	-	-	-
6	-	May		-	215	-	-	-
7	-	Jun		-	185	-	-	-
8	-	Jul		-	154	-	-	-
9	-	Aug		-	123	-	-	-
10	-	Sep		-	93	-	-	-
11	-	Oct		-	62	-	-	-
12	-	Nov		-	32	-	-	-
13	-	Dec		-	1	-	-	-

Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a Projected ATRR:

Part 4: Account 282, Computer Software - Tax Amortization

Columns 3, 4, 7, and 8 are in dollars. The column and line explanations are as described for Part 2.

	(1)	(2)	(3) Projected Computer	(4)	(5) Remaining	(6)	(7) Activity	(8) ADIT
Line	Year	Month	Software Tax Amount ADIT	Activity	Days	Ratio	with Proration	with Proration
1	-	Dec						-
2	-	Jan		-	-	-	-	-
3	-	Feb		-	307	-	-	-
4	-	Mar		-	276	-	-	-
5	-	Apr		-	246	-	-	-
6	-	May		-	215	-	-	-
7	-	Jun		-	185	-	-	-
8	-	Jul		-	154	-	-	-
9	-	Aug		-	123	-	-	-
10	-	Sep		-	93	-	-	-
11	-	Oct		-	62	-	-	-
12	-	Nov		-	32	-	-	-
13	-	Dec		-	1	-	-	-

Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a Projected ATRR:

Virginia Electric and Power Company ATTACHMENT H-16A Attachment 1C True-up of Accumulated Deferred Federal Income Taxes and Excess Deficient Deferred Federal Income Taxes Associated with Pro-rata Liberalized Depreciation

Applicable to the True-ups of 2020 and Later

If the formula rate population is for determining a projected ATRR, do not populate this Attachment 1C. If the formula rate population is for determining a projected ATRR, do not populate the remainder of this Attachment 1C with the actual data associated with that year. Use the amounts from line 17 of Part 1, and line 14 of Parts 2, 3, and 4, in populating Attachment 11 as instructed in this Attachment 1C.

True-up Year: (if Populated, Must Match Attachment 1B, Part 1, Line 1)
Number of Days in Year: 385 (From Attachment 1B, Part 1, Line 2) Line 1 Line 2

Part 1: Account 282, Transmission Plant In Service

Lines 3 through 22 are in dollars (except line 16).

Line	(1) Year	(2)	(3) Actual Transmission Plant In Service	(4) Actual Activity	(5) Projected Activity from Column (4) of Attachment 1B	(6) Activity Difference	(7) Reversal of Projected Activity Not Realized	(8) Activity Not in Projection	(9) Reversal of Projected Activity Not Realized With Proration	(10) Projected Activity With Proration from Column (7) of Attachment 1B	(11) ADIT Activity for True-up	(12) ADIT Balances for True-up	(13) Actual Transmission Plant in Service Net (EDITI/ADIT	(14) Actual Activity	(15) Projected Activity from Column (10) of Attachment 1B	(16) Activity Difference	(17) Reversal of Projected Activity Not Realized	(18) Activity Not in Projection	(19) Reversal of Projected Activity Not Realized With Proration	(21) Net (EDIT) / DDIT for True-up	(22) Net (EDIT) / DDIT Balances for True-up
		Dec																			
3		Dec																			
4	-	Jan																			
5	-	Feb																			
6		Mar		-																	
7		Apr																			
8	-	May																			
9	-	Jun																			
10	-	Jul																			
11	-	Aug																			
12	-	Sep																			
13	-	Oct																			
14	-	Nov																			
15		Dec																			
16 T	otal Tran	smission I	Plant In Service Net of	of GSU and GI	Plant as a Percentage	of Total Trans	mission Plant In Sen	vice:													

17 For Column 12, Line 15 x Line 16; and For Column 22, Line 15 x Line 16:

| Explanations:
| Cc. 3 & 13 | Actual Account 28/2 month-end ADIT and Net EDITIODIT (excludes cost of removal).
| Cc. 4 & 6 14 | Account 28/2 month-end ADIT and Net EDITIODIT (excludes cost of removal).
| Cc. 4 & 6 16 | Cc. 4 minus Cc. 5. Cc. 18 | Cc. 4 minus Cc. 15. Cc. 18 | Cc. 18 |

Attachment 1C (Continued) Sheet 2 of 3

Lines 3 through 22 are in dollars (except line 14).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) Projected	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20) Projected	(21)	(22)
Line	Year	Month	Actual General Plant ADIT	Actual Activity	Projected Activity from Column (4) of Attachment 1B	Activity Difference	Reversal of Projected Activity Not Realized	Activity Not in Projection	Reversal of Projected Activity Not Realized With Proration	Activity	ADIT Activity for True-up	ADIT Balances for True-up	Actual Transmission Plant In Service Net (EDITI/ADIT	Actual Activity	Projected Activity from Column (10) of Attachment 1B	Activity Difference	Reversal of Projected Activity Not Realized	Activity Not in Projection	Reversal of Projected Activity Not Realized With Proration	Activity With Proration	Net (EDIT) / DDIT for True-up	Net (EDIT) / DDIT Balances for True-up
1	-	Dec																				
2 3 4 5 6 7 8 9 10 11 12		Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec		-		-					-	-		-		-		-	-		-	
14																			Factor at tir	me of Income Tax Ra	ste Change (Att 5A)	
15 For	Colum	n 12, equa	als Line 13:																		Allocated	#VALUE!

Attachment 1C (Continued) Sheet 3 of 3

Part 3: Account 282, Computer Software
Lines 3 through 22 are in dollars (except line 14).
The column and line explanations are as described for Part 2

Line	(1) Year	(2) Month	(3) Actual General Plant ADIT	(4) Actual Activity	(5) Projected Activity from Column (4) of Attachment 1B	(6) Activity Difference	(7) Reversal of Projected Activity Not Realized	(8) Activity Not in Projection	(9) Reversal of Projected Activity Not Realized With Proration	(10) Projected Activity With Proration from Column (7) of Attachment 1B	(11) ADIT Activity for True-up	(12) ADIT Balances for True-up	(13) Actual Transmission Plant In Service Net (EDIT)/ADIT	(14) Actual Activity	Projected Activity from Column (10) of Attachment 1B	(16) Activity Difference	(17) Reversal of Projected Activity Not Realized	(18) Activity Not in Projection	(19) Reversal of Projected Activity Not Realized With Proration	(20) Projected Activity With Proration from Column (13) of Attachment 1B	(21) Net (EDIT) / DDIT for True-up	Net (EDIT) / DDIT Balances for True-up
1		Dec																				-
2 3 4 5 6 7 8 9 10 11 12 13		Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec				-						:		- - - - - - - - -		-			-		-	
14 15	For Colur	nn 12, equa	ils Line 13:																Factor at tir	ne of Income Tax Ra	te Change (Att 5A)	#VALUE!

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 1C - 2019

True-up of Accumulated Deferred Federal Income Taxes Associated with Pro-rata Liberalized Depreciation

Applicable to the True-ups of 2019

If the formula rate population is for determining a projected ATRR, do not populate this Attachment 1C. If the formula rate population is for determining a true-up ATRR for use on Line A of Attachment 6, enter the year for which the true-up is being calculated on line 1 and populate the remainder of this Attachment 1C with the actual data associated with that year. Use the amounts from line 17 of Part 1, and line 14 of Parts 2, 3, and 4, in populating Attachment 1 and Attachment 1A as instructed in this Attachment 1C.

Sheet 1 of 3

Line 1 True-up Year: (If Populated, Must Match Attachment 1B, Part 1, Line 1)
Line 2 Number of Days in Year: 365 (From Attachment 1B, Part 1, Line 2)

Part 1: Account 282, Transmission Plant In Service

Columns 3 through 12 are in dollars (except line 16).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line	Year	Month	Actual Transmission Plant In Service ADIT	Actual Activity	Projected Activity from Column (4) of Attachment 1B	Activity Difference	Reversal of Projected Activity Not Realized	Activity Not in Projection	Reversal of Projected Activity Not Realized With Proration	Projected Activity With Proration from Column (7) of Attachment 1B	ADIT Activity for True-up	ADIT Balances for True-up
3	_	Dec										_
3		Dec										
4	-	Jan		-		-	-	-	-		-	-
5	-	Feb		-		-	-	-	-		-	-
6	-	Mar		-		-	-	-	-		-	-
7	-	Apr		-		-	-	-	-		-	-
8	-	May		-		-	-	-	-		-	-
9	-	Jun		-		-	-	-	-		-	-
10	-	Jul		-		-	-	-	-		-	-
11	-	Aug		-		-	-	-	-		-	-
12	-	Sep		-		-	-	-	-		-	-
13	-	Oct		-		-	-	-	-		-	-
14	-	Nov		-		-	-	-	-		-	-
15	-	Dec		-		-	-	-	-		-	-

¹⁶ Total Transmission Plant In Service Net of GSU and GI Plant as a Percentage of Total Transmission Plant In Service:

Explanations:

Col. 3 Actual Account 282 month-end ADIT (excludes cost of removal).

Col. 4 Monthly change in ADIT balance.

Col. 6 Col. 4 minus col. 5

Col. 7 The portion of the amount in col. 6 included in original projection but not realized.

Col. 8 The portion of the amount in col. 6 not included in original projection.

Col. 9 The amount in col. 7 multiplied by the ratio from col. 6 of Attachment 1B, Part 1.

Col. 11 The sum of col. 8 times a factor of 50%, col. 9, and col. 10.

Col. 12, Line 3 Amount from col. 3, line 3.

Col. 12, Lines 4-15 Col. 12 of previous month plus col. 11 of current month.

Col. 12, Line 16 Appendix A, Line 24 ÷ Appendix A, Line 21 (from the true-up population of the formula)

Col. 12, Line 17 Col. 12, Line 15 multiplied by line 16.

¹⁷ Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a True-up ATRR:

Attachment 1C (Continued) 2019 Sheet 2 of 3

Part 2: Account 282, General Plant

Columns 3 through 12 are in dollars.

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) Projected	(11)	(12)
				Actual						Reversal of	Activity		
				General		Projected Activity		Reversal of		Projected Activity	With Proration		
				Plant	Actual	from Column (4)	Activity	Projected Activity	Activity	Not Realized	from Column (7)	ADIT Activity	ADIT Balances
Line		Year	Month	ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
•	1	-	Dec										-
2	2	-	Jan		-		-	-	-	-		-	-
3	3	-	Feb		-		-	-	-	-		-	-
4	1	-	Mar		-		-	-	-	-		-	-
	5	-	Apr		-		-	-	-	-		-	-
6	3	-	May		-		-	-	-	-		-	-
7	7	-	Jun		-		-	-	-	-		-	-
8	3	-	Jul		-		-	-	-	-		-	-
9	9	-	Aug		-		-	-	-	-		-	-
10)	-	Sep		-		-	-	-	-		-	-
11	1	-	Oct		-		-	_	-	-		-	_
12	2	-	Nov		-		-	_	-	-		-	_
13	3	-	Dec		-		-	_	_	-		-	-

14 Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a True-up ATRR:

Explanations: Col. 3 Col. 4 Actual Account 282 month-end ADIT (excludes cost of removal).

Monthly change in ADIT balance. Col. 4 minus col. 5

Col. 6

Col. 7 The portion of the amount in col. 6 included in original projection but not realized.

Col. 8

The portion of the amount in col. 6 not included in original projection.

The amount in col. 7 multiplied by the ratio from col. 6 of Attachment 1B, Part 2, 3 or 4 (as appropriate). Col. 9

Col. 11 The sum of col. 8 times a factor of 50%, col. 9, and col. 10.

Col. 12, Line 1 Amount from col. 3, line 1.
Col. 12, Lines 2-13 Col. 12 of previous month plus col. 11 of current month.
Col. 12, Line 14 Amount from col. 12, line 13.

Attachment 1C (Continued) 2019 Sheet 3 of 3

Part 3: Account 282, Computer Software - Book Amortization

Columns 3 through 12 are in dollars.

The column and line explanations are as described for Part 2.

	(1)	(2)	(3) Actual	(4)	(5)	(6)	(7)	(8)	(9) Reversal of	(10) Projected Activity	(11)	(12)
			Computer		Projected Activity		Reversal of		Projected Activity		ADIT A CC	ADIT D
			Software Book	Actual	from Column (4)	Activity	Projected Activity	Activity	Not Realized	from Column (7)	ADIT Activity	ADIT Balances
Line	Year	Month	Amount ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
		_										
1	-	Dec										-
_												
2	-	Jan		-		-	-	-	-		-	-
3	-	Feb		-		-	-	-	-		-	-
4	-	Mar		-		-	-	-	-		-	-
5	-	Apr		-		-	-	-	-		-	-
6	-	May		-		-	-	-	-		-	-
7	-	Jun		_		-	_	_	_		_	_
8	_	Jul		_		_	_	_	_		_	_
9	_	Aug		_		_	_	_	_		_	_
10	_	Sep		_		_	_	_	_		_	_
11	_	Oct					_	_				
12	-	Nov		-		-			-		-	-
	-			-		-	-	-	-		-	-
13	-	Dec		-		-	-	-	-		-	-

¹⁴ Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a True-up ATRR:

Part 4: Account 282, Computer Software - Tax Amortization

Columns 3 through 12 are in dollars.

The column and line explanations are as described for Part 2.

	(1)	(2)	(3) Actual	(4)	(5)	(6)	(7)	(8)	(9) Reversal of	(10) Projected Activity	(11)	(12)
			Computer		Projected Activity		Reversal of		Projected Activity	With Proration		
			Software Tax	Actual	from Column (4)	Activity	Projected Activity	Activity	Not Realized	from Column (7)	ADIT Activity	ADIT Balances
Line	Year	Month	Amount ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
1	-	Dec										-
2	-	Jan		-		-	-	-	-		-	-
3	-	Feb		-		-	-	-	-		-	-
4	-	Mar		-		-	-	-	-		-	-
5	-	Apr		-		-	-	-	-		-	-
6	-	May		-		-	-	-	-		-	-
7	-	Jun		-		-	-	-	-		-	-
8	_	Jul		_		-	_	_	_		_	_
9	_	Aug		_		_	_	_	_		_	_
10	_	Sep		_		_	_	_	_		_	_
11	_	Oct		_		_	_	_	_		_	_
12	_	Nov						_				
	-			-		-	-	-	-		-	-
13	-	Dec		-		-	-	-	-		-	-

¹⁴ Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate a True-up ATRR:

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 1C - 2018

True-up of Accumulated Deferred Federal Income Taxes Associated with Pro-rata Liberalized Depreciation

Applicable Only to the True-up of 2018

If the formula rate population is for determining the 2018 true-up ATRR for use on Line A of Attachment 6, populate this Attachment 1C - 2018 with the actual data associated with that year. Use the amounts from line 17 of Part 1, and line 14 of Parts 2, 3, and 4, in populating Attachment 1 and Attachment 1A as instructed in this Attachment 1C - 2018.

Sheet 1 of 4

 Line 1
 True-up Year:
 2018

 Line 2
 Number of Days in Year:
 365

Part 1: Account 282, Transmission Plant In Service

Columns 3 through 12 are in dollars (except lines 15b, 15e, and 16).

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) Reversal of	(10) Projected Activity	(11)	(12)
			Transmission Plant In Service	Actual	Projected Activity from Column (4)	Activity	Reversal of Projected Activity	Activity	Projected Activity Not Realized	With Proration from Column (7)	ADIT Activity	ADIT Balances
Line	Year	Month	ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
				,				•			•	
3	2017	Dec										-
	2018	1										
4 5	2018	Jan Feb		-		-	-	-	-		-	-
6	2018	Mar		-		-	-	-	-		-	-
7	2018	Apr		-		-		-	-		-	
8	2018	May		-		-	_	-	-		-	_
9	2018	Jun		-		-	-	-	_		-	-
10	2018	Jul		-		-	-	-	-		-	-
11	2018	Aug		-		-	-	-	-		-	-
12	2018	Sep		-		-	-	-	-		-	-
13	2018	Oct		-		-	-	-	-		-	-
14	2018	Nov		-		-	-	-	-		-	-
15	2018	Dec		-		-	-	-	-		-	-
15a							Dec change Aver	as of Astrol ADIT D	alamaa frans Cal 10	Danambar 24 2017	and December 31, 2018	
15a							rie-cilalige Avela	ige of Actual ADIT B	alance nom col. 12,		DaysDivided by 365 Days	
15c							Compo	ent of Average ADI	T Balance Attributah		ough June 26 (15a X 15b)	
150							Compo	ient of Average ADI	Dalance Allinduab	e to January 1 11110	ough June 20 (13a X 13b)	
15d								Post-chan	ge ADIT Balance t	or True-up from Co	I. 12, December 31, 2018	_
15e									g		Pays Divided by 365 Days	
15f							Co	mponent of ADIT Ba	alance Attributable to		December 31 (15d X 15e)	
101											,	
15g								F	Pre-change Compone	ent plus Post-chang	e Component (15c + 15f)	-
16 T	otal Tran	smission	Plant In Service Net	of GSU and GI	Plant as a Percentage	of Total Transr	mission Plant In Servi	ce:				94.78%

17 Amount to be Entered (in thousands) in Column D of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate the 2018 True-up ATRR:

Explanations:

Col. 3	Actual Account 282 month-end ADIT (excludes cost of removal).		
Col. 4	Monthly change in ADIT balance.	Col. 12, Lines 4-15	Col. 12 of previous month plus col. 11 of current month.
Col. 6	Col. 4 minus col. 5	Col. 12, Line 15b	Effective date of change is June 27, 2018.
Col. 7	The portion of the amount in col. 6 included in original projection but not realized.	Col. 12, Line 15d	December 31, 2018 balance minus the sum of the activity in col. 8
Col. 8	The portion of the amount in col. 6 not included in original projection.		times a factor of 50%.
Col. 9	The amount in col. 7 multiplied by the ratio from col. 6 of Attachment 1B, Part 1.	Col. 12, Line 16	Appendix A, Line 24 ÷ Appendix A, Line 21 (from the true-up population
Col. 11	The sum of col. 8, col. 9, and col. 10.		of the formula).
Col. 12. Line 3	Amount from col. 3, line 3,	Col. 12, Line 17	Col. 12, Line 15g multiplied by line 16.

Attachment 1C - 2018 (Continued) **2018** Sheet 2 of 4

Part 2: Account 282, General Plant

Columns 3 through 12 are in dollars (except lines 13b and 13e).

	(1)	(2)	(3) Actual	(4)	(5)	(6)	(7)	(8)	(9) Reversal of	(10) Projected Activity	(11)	(12)
			General		Projected Activity		Reversal of		Projected Activity	With Proration		
Line	Year	Month	Plant ADIT	Actual Activity	from Column (4) of Attachment 1B	Activity Difference	Projected Activity Not Realized	Activity Not in Projection	Not Realized With Proration	from Column (7) of Attachment 1B	ADIT Activity for True-up	ADIT Balances for True-up
Line	Teal	WOTHI	ADII	Activity	Of Attachment 15	Dillelelice	Not Realized	Not in Flojection	WILLIFIOLALION	Of Attachinent 15	ioi irue-up	ioi irue-up
1	2017	Dec										_
•												
2	2018	Jan		-		-	-	-	-		-	-
3	2018	Feb		-		-	-	-	-		-	-
4	2018	Mar		-		-	-	-	-		-	-
5	2018	Apr		-		-	-	-	-		-	-
6	2018	May		-		-	-	-	-		-	-
7	2018	Jun		-		-	-	-	-		-	-
8	2018	Jul		-		-	-	-	-		-	-
9 10	2018 2018	Aug		-		-	-	-	-		-	-
11	2018	Sep Oct		-		-	-	-	-		-	-
12	2018	Nov		-		-	-	_			-	-
13	2018	Dec		-		_			_		-	_
		500										
13a							Pre-change Avera	ge of Actual ADIT B	alance from Col. 12,	December 31, 2017	and December 31, 2018	-
13b							· ·	-			ays Divided by 365 Days	
13c							Compo	nent of Average ADI	T Balance Attributab	le to January 1 Thro	ough June 26 (13a X 13b)) -
13d								Post-char	ige ADIT Balance f	for True-up from Col	I. 12, December 31, 2018	-
13e										188 D	ays Divided by 365 Days	51.51%
13f							Co	omponent of ADIT B	alance Attributable to	June 27 Through D	December 31 (13d X 13e)	-
13g								F	Pre-change Compone	ent plus Post-chang	e Component (13c + 13f	-
_												
14	Amount to	be Entere	ed (in thousands) in	Column F of the	Account 282 Section	of Attachments	1 and 1A Only When	the Formula Rate P	opulation is to Calcu	late the 2018 True-u	up ATRR:	-

Col. 3	Actual Account 282 month-end ADIT (excludes cost of removal).

Monthly change in ADIT balance. Col. 4 minus col. 5

Explanations: Col. 3 Col. 4 Col. 6 Col. 7

The portion of the amount in col. 6 included in original projection but not realized.

The portion of the amount in col. 6 not included in original projection.

The amount in col. 7 multiplied by the ratio from col. 6 of Attachment 1B, Part 2, 3 or 4 (as appropriate).

The sum of col. 8, col. 9, and col. 10. Amount from col. 3, line 1.

Col. 8 Col. 9 Col. 11 Col. 12, Line 1

Col. 12, Lines 2-13
Col. 12, Lines 13d
Col. 12, Line 13d
Col. 12, Line 14

Col. 12, Line 14

Amount from col. 5, line 1.
Col. 12 of previous month plus col. 11 of current month.

December 31, 2018 balance minus the sum of the activity in col. 8 times a factor of 50%.

Amount from col. 12, line 13g. Col. 12, Line 13d Col. 12, Line 14

Attachment 1C - 2018 (Continued) 2018 Sheet 3 of 4

Part 3: Account 282, Computer Software - Book Amortization

Columns 3 through 12 are in dollars (except lines 13b and 13e). The column and line explanations are as described for Part 2.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) Projected	(11)	(12)
			Actual						Reversal of	Activity		
			Computer		Projected Activity		Reversal of		Projected Activity	With Proration		
			Software Book	Actual	from Column (4)	Activity	Projected Activity	Activity	Not Realized	from Column (7)	ADIT Activity	ADIT Balances
Line	Year	Month	Amount ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
1	2017	Dec										
	2017	Dec										-
2	2018	Jan		-		-	_	-	_		_	_
3	2018	Feb		-		-	-	-	-		-	-
4	2018	Mar		-		-	-	-	-		-	-
5	2018	Apr		-		-	-	-	-		-	-
6	2018	May		-		-	-	-	-		-	-
7	2018	Jun		-		-	-	-	-		-	-
8	2018	Jul		-		-	-	-	-		-	-
9	2018	Aug		-		-	-	-	-		-	-
10	2018	Sep		-		-	-	-	-		-	-
11	2018	Oct		-		-	-	-	-		-	-
12	2018	Nov		-		-	-	-	-		-	-
13	2018	Dec		-		-	-	-	-		-	-
13a							Dro change Avera	ac of Actual ADIT Pa	alanaa from Cal. 12	Docombor 21 2017	and December 31, 201	0
13b							rie-clialige Avela	ge of Actual ADT1 Ba	alance nom col. 12,		ays Divided by 365 Day	
13c							Compo	nent of Average ADI	T Balance Attributab		ugh June 26 (13a X 13b	
100							Compo	nont of Attorage Albi	- Daidilloo / Millodido	o to canaary	agii cano 20 (10a /1 10a	,
13d								Post-chan	ge ADIT Balance t	or True-up from Col	. 12, December 31, 201	8 -
13e									•		ays Divided by 365 Day	
13f							Co	omponent of ADIT Ba	alance Attributable to	June 27 Through D	December 31 (13d X 13e	-
13g								F	Pre-change Compone	ent plus Post-chang	e Component (13c + 13t	f) -

¹⁴ Amount to be Entered (in thousands) in Column F of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate the 2018 True-up ATRR:

Attachment 1C - 2018 (Continued) 2018 Sheet 4 of 4

Part 4: Account 282, Computer Software - Tax Amortization

Columns 3 through 12 are in dollars (except lines 13b and 13e). The column and line explanations are as described for Part 2.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) Projected	(11)	(12)
			Actual						Reversal of	Activity		
			Computer		Projected Activity		Reversal of		Projected Activity	With Proration		
			Software Tax	Actual	from Column (4)	Activity	Projected Activity	Activity	Not Realized	from Column (7)	ADIT Activity	ADIT Balances
Line	Year	Month	Amount ADIT	Activity	of Attachment 1B	Difference	Not Realized	Not in Projection	With Proration	of Attachment 1B	for True-up	for True-up
1	2017	Dec										
'	2017	Dec										-
2	2018	Jan		_		-	_	-	-		-	_
3	2018	Feb		-		-	_	-	_		-	-
4	2018	Mar		-		-	-	-	-		-	-
5	2018	Apr		-		-	-	-	-		-	-
6	2018	May		-		-	-	-	-		-	-
7	2018	Jun		-		-	-	-	-		-	-
8	2018	Jul		-		-	-	-	-		-	-
9	2018	Aug		-		-	-	-	-		-	-
10	2018	Sep		-		-	-	-	-		-	-
11	2018	Oct		-		-	-	-	-		-	-
12	2018	Nov		-		-	-	-	-		-	-
13	2018	Dec		-		-	-	-	-		-	-
13a							Dro change Avera	ac of Actual ADIT Pa	alanaa from Cal. 12	Docombor 21 2017	and December 31, 201	0
13b							rie-clialige Avela	ge of Actual ADT1 Ba	alance nom col. 12,		ays Divided by 365 Day	
13c							Compo	nent of Average ADI	T Ralance Attributab		ugh June 26 (13a X 13b	
100							Compo	nont of Attorage Albi	- Daidilloo / Millodido	o to canaary	agii cano 20 (10a /1 10a	,
13d								Post-chan	ge ADIT Balance t	or True-up from Col	. 12, December 31, 201	8 -
13e									•		ays Divided by 365 Day	
13f							Co	omponent of ADIT Ba	alance Attributable to		December 31 (13d X 13e	
13g								F	Pre-change Compone	ent plus Post-chang	e Component (13c + 13t	f) -

¹⁴ Amount to be Entered (in thousands) in Column F of the Account 282 Section of Attachments 1 and 1A Only When the Formula Rate Population is to Calculate the 2018 True-up ATRR:

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 2 - Taxes Other Than Income Worksheet 2020 (000's)

Other Taxes	age 263 Col (i)	Allocator		located mount
Plant Related	Gr	oss Plant Alloc	ator	
Transmission Personal Property Tax (directly assigned to Transmission) Other Plant Related Taxes 3 4 5	\$ 72,324 0	100.0000% 22.7075%	\$	72,324 - - - - -
Total Plant Related	\$ 72,324		\$	72,324
Labor Related	Wage	es & Salary Allo	cator	
6 Federal FICA & Unemployment & State Unemployment	\$ 44,602			
Total Labor Related	\$ 44,602	10.1376%	\$	4,522
Other Included	Gr	oss Plant Alloc	ator	
7 Sales and Use Tax	\$ -			
Total Other Included	\$ -	22.7075%	\$	-
Total Included	\$ 116,926		\$	76,846
Currently Excluded				
8 Business and Occupation Tax - West Virginia 9 Gross Receipts Tax 10 IFTA Fuel Tax 11 Property Taxes - Other 12 Property Taxes - Generator Step-Ups and Interconnects 13 Sales and Use Tax - not allocated to Transmission 14 Sales and Use Tax - Retail 15 Other 16 17 18 19 20 21 Total "Other" Taxes (included on p. 263)	\$ 21,507 0 0 208,878 2,953 2,522 0 8,694			
22 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	\$ 361,480			
23 Difference	\$ (116,926)			

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be either directly assigned or allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they will 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 will not be included.
- 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.

VEPCO ATTACHMENT H-16A Attachment 2A - Direct Assignment of Property Taxes Per Function 2020 (000's)

Directly Assigned Property Taxes	\$ 284,156
Production Property Tax	100,041
Transmission Property Tax	72,219
GSU/Interconnect Facilities	2,953
Distribution Property tax	107,908
General Property Tax	1,035
Total check	284,156

Allocation of General Property Tax to Transmission

General Property Tax	\$ 1,035
Wages & Salary Allocator	10.1376%
Trans General	105

Total Transmission Property Taxes	
Transmission	\$ 72,219
General	105
Total Transmission Property Taxes	\$ 72,324

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 3 - Revenue Credit Workpaper 2020 (000's)

	<u>2020</u> (0	00 S)			
	Account 454 - Rent from Electric Property		Transmission Related	Production/Other Related	Total
	1 Rent from Electric Property - Transmission Related (Note 3)		13,418	Related	13,418
	2 Total Rent Revenues	(Sum Lines 1)	13,418	_	13,418
	2 Total Nent Nevenues	(Sum Lines 1)	13,410	-	15,410
	Account 456 - Other Electric Revenues (Note 1)				
	3 Schedule 1A				
	4 Net revenues associated with Network Integration Transmission Service (NITS) and for	r the			
	transmission component of the NCEMPA contract rate for which the load is not include	ed in the			
	divisor. (Note 4)	and the shade district and the Alexander	1,977		1,977
	5 Point to Point Service revenues received by Transmission Owner for which the load is 5 PJM Transitional Revenue Neutrality (Note 1)	not included in the divisor (Note 4)			-
	7 PJM Transitional Market Expansion (Note 1)				-
	B Professional Services (Note 3)		3,441		3,441
!	Revenues from Directly Assigned Transmission Facility Charges (Note 2)		20,973		20,973
1	Rent or Attachment Fees associated with Transmission Facilities (Note 3)				
	4.000 - 1000 - 1000 - 1000 - 1000	(0,	00.040		00.040
	1 Gross Revenue Credits (Accounts 454 and 456) 2 Less line 14g	(Sum Lines 2-10)	39,810 (10,038)	-	39,810 (10,038)
	3 Total Revenue Credits		29,772	-	29,772
1	o Total Revenue Cledits		29,772	-	29,112
	Revenue Adjustment to Determine Revenue Credit				
14a	Revenues included in lines 1-11 which are subject to 50/50 sharing. (Lines 1 + 8 + 10)		16,860	-	16,860
14b	Costs associated with revenues in line 14a		3,216	-	3,216
14c	Net Revenues (14a - 14b)		13,643	-	13,643
14d	50% Share of Net Revenues (14c / 2)		6,822	-	6,822
14e	Cost associated with revenues in line 14b that are included in FERC accounts recover	ed			
	through the formula times the allocator used to functionalize the amounts in the FERC	account	-	-	-
	to the transmission service at issue		0.000		0.000
14f 14g	Net Revenue Credit (14d + 14e) Line 14f less line 14a		6,822 (10,038)	-	6,822 (10,038)
1 1 9	Line 141 1655 line 14a		(10,036)	-	(10,030)

Revenue Adjustment to Determine Revenue Credit

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 169 of Appendix A.

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. Notwithstanding the above, the revenue crediting of the UG Transmission Charge revenues shall be in accordance with section 6 of Attachment 10. Notwithstanding the above, the revenue crediting of the Previous Jointly-Owned Assets shall be in accordance with section 6 of Attachment 11.

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). VEPCO will retain 50% of net revenues consistent with *Pacific Gas and Electric Company*, 90 FERC ¶ 61,314. 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).

Note 4: Revenues from Schedule 12 are not included in the total above to the extent they are credited under Schedule 12. In addition, revenues from Schedule 7, Schedule 8 and H-A are not included in the total above to the extent PJM credits VEPCO's share of these revenues monthly to network customers under Attachment H-16.

Virginia Electric and Power Company ATTACHMENT H-16A Attachment 4 - Calculation of 100 Basis Point Increase in ROE 2020 (000's)

Reservation 100 Basis Prefit increase in ROE (Note of Trom Appendix A) Appendix A (Line 44 + 61 + 90C + 46A) 7,188,222	Α	Return and Taxes with Basis Point increase in ROE	Basis Point increase in ROE and Income Taxes		(Line 130 + 140)	774,610
	В		100 Basis Point increase in ROE (Note J from Appendix A)		Fixed	1.00%
Rate Base excluding Acquisition Adjustments Amount and Associated ADIT	Return Cald	culation				
Log Tem Interest Log Tem Int		Rate Base excluding Acquisition Adjustments Amount	and Associated ADIT	Appendix A	(Line 44 + 61 - 60C - 45A)	7,158,232
Log Tem Interest Log Tem Int		Long Term Interest				
Long Term Inference Long Term Debt		_				522,820
Preferred Dividends						<u>0</u>
Common Stock	100		Long Term interest		(Line 104 - 105)	522,620
Popolitating Capital Leas Preferred Stock Leas Preferred Stock Leas Preferred Stock Leas Account (19 - Accountabled Other Comprehensive Income Preferred Stock Line 1177 Stock Description Stock Common Stock Line 1177 Stock Description Stock Line 1177 Stock Line 1177 Description Stock	107	Preferred Dividends		enter positive	p118.29c	0
Less Préferred Stock Les Préferred Stock Les Log Term Debt Less Cournet 1919 - Accountaited Other Comprehensive income enter negative p.112.15c.d/2 20.478		Common Stock				
Less Account 219- Accountéated Other Comprehensive Income Author Préparée P112 15c.di2 20.278						
Capitalization						
113				enter negative		
113		Conitalization				
113	112	Capitalization	Long Term Debt		p112.24c.d/2	12.077.526
Piss				enter negative		
Total Long Term Debt	114			enter positive		3,095
Total Long Term Debt	115		Less LTD on Securitization Bonds	enter negative	Attachment 8	0
Preferred Stock						12,080,129
Total Coptain Total Coptain Co	117		Preferred Stock		p112.3c,d/2	
120						
Preferred Stock Cline 117/119 0.0% Common % Common % Common % Common % Common Stock Cline 118/119 5.28% Common % Common Stock Cline 118/119 5.28% Common % Common Stock Cline 116/116 0.0433 124 Cline 106/116 0.0433 124 Cline 106/116 0.0433 125 Common Stock Cline 107/117 0.0000 Common Cost Common Stock Appendix Line 125+100 Basis Points 0.1240 0.0000 Common Cost Common Stock Cline 107/117 0.0000 Common Cost Common Stock Cline 107/117 0.0000 Common Stock Cline 127+124 0.0000	119		Total Capitalization		(Sum Lines 116 to 118)	25,617,996
122 Line 118 / 119 52.8% Common % Common Stock Line 118 / 119 52.8% 123 Debt Cost Total Long Term Debt (Line 106 / 116) 0.0433 0.0434 0.0433 0.0443 0.0433 0.0434 0.0433 0.0	120		Debt %	Total Long Term Debt	(Line 116 / 119)	47.2%
123	121					
Preferred Cost	122		Common %	Common Stock	(Line 118 / 119)	52.8%
125 Common Cost Common Slock Appendix A Line 125 + 100 Basis Points 0.1240 126						
126						
127	125		Common Cost	Common Stock	Appendix A Line 125 + 100 Basis Points	0.1240
128	126			Total Long Term Debt (WCLTD)		
Total Return (R) (Sum Lines 126 to 128) 0.0859						
Investment Return = Rate Base * Rate of Return Cline 62 * 129) 615,162		Total Patura / P.)	Weighted Cost of Common	Common Stock		
Composite Income Taxes Income Tax Rates Income Tax Rate Income Tax Rate	129	Total Return (R)			(Sum Lines 126 to 126)	0.0059
Income Tax Rates Income Tax Rates Income Tax Rate Income T	130	Investment Return = Rate Base * Rate of Return			(Line 62 * 129)	615,152
131	Composite	Income Taxes				
131		Income Tay Pates				
133	131	moone rax rates	FIT=Federal Income Tax Rate			0.2100
134 Transmission Related Income Tax Adjustments Transmission Income Tax Adju	132		SIT=State Income Tax Rate or Composite			0.0585
135 Transmission Related Income Tax Adjustments			p = percent of federal income tax deductible for state purposes		Per State Tax Code	
Transmission Related Income Tax Adjustments				(1 - SIT * FIT * p)} =		
136	135		1/ (1-1)			0.3445
Attachment 5 (1.463) 137 17(1-T) (Line 135) 138 139						
137 T/(1-T) (Line 135) 34.45% 138 Transmission Income Taxes - Income Tax Adjustments ((Line 136 + 136A) * (1 + Line 137)) \$ (2,140) 139 Transmission Income Taxes - Equity Return = CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) = [Line 135 * 130 * (1-(126 / 129))] 161,598			(Note I) enter negative			
138 Transmission Income Taxes - Income Tax Adjustments ((Line 136 + 136A) * (1 + Line 137)) \$ (2,140) 139 Transmission Income Taxes - Equity Return = CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) = [Line 135 * 130 * (1-(126 / 129))] 161,598						
			ents		(1)	
1//0 Total Transmission Income Tayes (// inc 439 ± 420) 450 450	139	Transmission Income Taxes - Equity Return =	CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =	[Line 135 * 130 * (1-(126 / 129))]		161,598
	140	Total Transmission Income Taxes		(Line 138 + 139)		159,458

Virginia Electric and Power Company ATTACHMENT H-16A Attachment 5 - Cost Support

Plant Michigan Fations
Eastle Plant Series
Accurated Supposition (Fatil Barber Plant)
Accurated Supposition (Fatil Barber Plant)
Accurated Supposition (Fatil Barber Plant)
Accurated Commen Plant Earne
Accurated Commen Plant Earne
Fatil Berties
Transaction Plant Series
General Series
General Stategories
Commen Plant Earne
Transaction Accurated Operation
Transaction Accurated Opera (Notes A & Q) p.207.104g/Plant-Acc. Depre West (Notes A & Q) p.219.29c (Notes A & Q) p.200.21c (Notes A & Q) p.356 (Notes A & Q) p.356 46,895.516 47,195.007 47,500.170 47,745.461 47,854.798 47,507.574 48,136,999 48,274,384 18,077.905 18,195.575 18,229,384 18,207.522 18,447.67 18,447.67 18,569,375 18,569,375 18,579,075 18 46,995,388 46,910,696 46,730,047 17,837,468 17,919,366 18,000,588 155,773 156,873 157,972 49,201,765 18,823,548 168,965 47,560,740 18,325,499 162,369 (Notes A & Q) p.207.58.g/Trans. Input Sht
Trans. Input Sht
Input Sht
Input Sht
p.205.5.g & p.207.59.g/G&I Wksht
(Notes A & Q) p.356 11,335,025 11,423,744 11,432,762 11,452,665 11,501,585 418,430 418,430 418,430 418,430 418,430 170,113 170,113 170,113 170,113 170,113 171,144,02 1,117,794 1,121,165 1,124,578 1,127,371 11,763,287 418,430 170,113 1,134,755 11,275,427 418,430 170,113 1,114,402 11,004,372 11,009,552 418,430 418,430 170,113 170,113 1,097,442 1,100,834 11,012,991 418,430 170,113 1,104,226 11,014,327 11,165,330 418,430 418,430 170,113 170,113 1,107,618 1,111,010 11,504,775 418,430 170,113 1,131,363 (Notes A & Cl) p219.25.c/Trans.Input Sht. GSU Input Sht Input Sht (Notes A & Cl) p219.28.b 2,062,168 129,819 32,076 354,116 2,082,207 2,102,298 130,884 131,948 32,509 32,941 355,782 357,448
 2.172.299
 2.142.507
 2.162.775
 2.183.382
 2.264.262
 2.225.246
 2.246.261
 2.267.346
 2.268.464

 133.013
 134.077
 135.M2
 136.207
 137.271
 138.336
 139.401
 140,465
 141,530

 33.374
 33.007
 33.406
 34.617
 35.106
 35.336
 35.31
 35.404
 39.637

 361.14
 360.780
 326.446
 346.12
 36.773
 367444
 369.110
 370.76
 3274.42
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Total Wage Expense
Total A&G Wages Expense
Transmission Wages
Generator Step-Ups otes Page F's & Instructions
(Note A) p.354.28b/Trans. Wesht
(Note A) p.354.27b/Trans. Wesht
(Note A) p.354.27b/Trans. Wesht
Trans. Wesht Specific identification (Notes C & Q) p214.47.d EPRI Dues Cost Support
Line #s Descriptions
Allocated General & Common Expenses
73 Less EPRI Dues

Virginia Electric and Power Company ATTACHMENT H-16A Attachment 5 - Cost Support

slatory Expense Related to Transmission Cost Support			
			and the second s
#s Descriptions	Notes Page #'s & Instructions		Transmission Form 1 Amount Related Non-transmission Related Details
Allocated General & Common Expenses			
Less Regulatory Commission Exp Account 928	(Note E) p323.189b/Attachment 5	I .	\$ 35,331 422 34,509 See FERC Form 1 pages 350-351.
Directly Assigned A&G		I .	
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Regulatory Commission Exp Account 928	(Note G) p323.189b/Attachment 5		422
National Reference on the Control of			
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Directly Assigned A&G			
General Advertising Exp Account 930.1	(Note F) Attachment 5		2,019 - 2,019
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tion and Out Reach Cost Support			Education &
Descriptions	Notes Page #'s & Instructions		Education & Form 1 Amount Outreach Other Details
Directly Assigned A&G	•		Informing public about transmission
General Advertising Exp Account 930.1	(Note K) p323.191b		2,019 - 2,019 operations including service quality.
d Plant Cost Support			
Descriptions	Notes Page #'s & Instructions		0 Description of the Facilities
Adjustment to Remove Revenue Requirements Associated with Exc	uded Transmission Facilities	I	0 General Description of the Facilities
		Includes only the costs of any Interconnection Facilities constructed for VEPCO's own Generaling Facilities after March 15, 2000 in accordance with Order 2003.	0 General Description of the Facilities
Instructions:		The market 10, about it becomes that other about.	None
1 Remove all investment below 69 kV or generator step up transforme	rs 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 will			
2 If unable to determine the investment below 69kV in a substation will the following formula will be used:	Example		
2 If unable to determine the investment below 68kV in a substation will the following formula will be used: A Total investment in substation B identifiable investment in Transmission (provide workpapers)	Example 1,000,000 500,000		
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Virginia Electric and Power Company ATTACHMENT H-16A Attachment 5 - Cost Support _____(000°s)

Extraordinary	Property Loss																						
Line#s D	escriptions	Notes	Page #'s & Instructions	Amount	# of Years Am	ortization	W interest								An S	ount .	Number of years	s Amortizai	rison				
89																		5 \$					
Line#s D	utstanding Network Credits Cost Support	Notes	Page #'s & Instructions													0		_	Descrip	son of the Inter	est on the Credit		
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			l													Enter \$				None			
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	is under Section 30.9 of the PJM QATT.																						
Line#s D	avenue Requirement	Notes	Page #'s & Instructions													Amount				ription & PJM D			
165	Facility Credits under Section 30.9 of the PJM OATT.															3,2	12		ODECNICEMIC	Transmission Ch	harges from PJM I	rivoices	
PJM Load Co	st Support	Notes	Page #'s & Instructions													1 CP Peak		_	Desc	riotion & RIM C	neumentation	_	_
N	etwork Zonal Service Rate 1 CP Rusk	Bloke II	PJM Data												En	ter 20,086							
103	TOPPER	(NOM L)	Pull Data													20,000							
A&G Expense	s - Other Post Employment Benefits															Amount							
Line#s D	escriptions	Notes	Page #'s & Instructions																				
	Total A&G Expenses Less OPEB Current Year		р323.1976													365,6 32,5	28 88						
	Plus: Stated OPEB		Fixed (from FERC accepted § 205 Filing)												_	(21,1							
69	Current Year Total A&G Expenses															376,9	12						
Interest on Lo																Amount							
Line#s D	escriptions	Notes	Page #'s & Instructions													Amount							
	Interest on Long-Term Debt Less Interest on Short-Term Debt Included in Account 430		p117.62c through 67c													528,9 (6,1							
104	Total Interest on Long-Term Debt		l												-	522,8							
	6-stands																						
Income Tax A	djustments Descriptions	Notes	Page #s & Instructions																				
	Sjastrents Descriptions	Notes	Page 2s & Instructions		Transmiss	ion Depreciation	n															T.	
	Descriptions				Pres	nse Amount		Tax Rate		nt to Line 136A													
	Descriptions Tax Adj. for the AFUDC Equity Component of Transmission Dept. Expense	Notes (Notes B, C)	Page #5 & Instructions Inst. 1, 2, ballow		Pres		n X	Tax Rate 25.62%	Amor = \$														
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Virginia Electric and Power Company ATTACHMENT H-16A Attachment 5A - Excess and Deficient Accumulated Deferred Income Taxes (000's)

Year = 2021

Per FERC crief in Docket No. 8M19-5-000 (Order No. 864), and in accordance with the Commission's regulations in 18 CFR 35.24, this Attachment 5.8, in conjunction with Attachments 18 and Attachment 1C, reflects the annual tracking of information related to excess and deficient Accomulated Deferred frommer Tases. Order No. 864 requires the categories of information to include: (1) how an ADIT account were re-measured and the excess or deficient and continual tracking of information related to excess and efficient and continual tracking of information related to excess and efficient amounts in Account 1223 (Office Regulatory Assets) and 225 (Office Regulatory Losdinies). But Newton the excess or deficient amounts in Account 1223 (Office Regulatory Assets) and 225 (Office Regulatory Losdinies). But Newton the excess or deficient and District preferred for the excess or deficient and District preferred for the excess or deficient ACCOUNTS (Office Regulatory Assets) and 225 (Office Regul

Amortized Excess Deferred Income Taxes ("EDIT") and Amortized Deficient Deferred Income Taxes ("DDIT")

Columns continue as new Income Tax Rate changes are added.

(A)	(B)	(C)	(D)	(E)	(F)		(G)	(H)	(1)	(I)		(K)	(L)	()		(TOTAL)
Line 1 2 3 4	Description Year Income Tax Rate Change Effective Juridiction (State/Federal) Income Tax Rate Change Protected or Unprotected Balances (Federal)	Category Information Category 1 Category 1 Category 1 Category 3	2014 & North C 6.9% to	arolina 1	2016 North Carolina 5.0% to 4.0%	2017 North Card 4.0% to 3.		2019 North Carolina 3.0% to 2.5%	2018 Federal 35% to 21% Unprotected	2018 Federal 35% to 21% Unprotected	2018 Federal 35% to 21 Protected	6 355	2018 ederal % to 21% otected	2018 Federal 35% to 21% Unprotected			
5 6 7	Allocator used for year EDIT/DDIT were Established Amortization Type (e.g., Straight Line, Average Rate Assumption Method ("ARAM"), etc.) Amortization Period (in years)	Category 5 Category 5	Gross Straigh 48.95	it Line	Gross Plant Straight Line 48.954815	Gross Pla Straight L 48.9548	ine	Gross Plant Straight Line 48.954815	Wages & Salary Straight Line 48.954815	Gross Plant Straight Line 48.954815	Wages 8 Salary ARAM ARAM		nsmission Plant ARAM ARAM	Transmission Plant Straight Line 48.954815	0		
8	Amounts in Account 254 (Other Regulatory Liabilities) / Account 182.3 (Other Regulatory Assets)	Category 2	\$	(8,323)	\$ (4,785)	\$ (2,	393)	\$ (2,259)	\$ 73,785	\$ 1,71	\$ (53,6	(2) \$	(829,962)	\$ 60,487		\$	(765,908)
9	Deferred Taxes on EDIT/DDIT Regulatory Liability (Grossup)	Category 2	\$	2,133	\$ 1,226	\$	741	\$ 578	\$ (18,905)	\$ (43	9) \$ 13,7	2 \$	212,649	\$ (15,498)		\$	196,237
10	Virginia Electric and Power Company amount of EDIT ("System-Level" or "Transmission-Level")	Category 1/Category 2	\$	(6,190)	\$ (3,559)	\$ (2,	152)	\$ (1,681)	\$ 54,880	\$ 1,27	\$ (39,9	1) \$	(617,313)	\$ 44,989		\$	(569,671)
11	Allocator identified in Line 5 for the year the EDIT/DDIT were established - Factor will not change after initial Rate Change Year		18.54	29%	18.5429%	19.7962	%	20.5223%	8.0703%	20.5223%	8.0703%	93	1.7624%	93.7624%			
12	EDIT/DDIT allocated to Transmission (Line 10 * Line 11)		\$	(1,148)	\$ (660)	\$ (126)	\$ (345)	\$ 4,429	\$ 26	\$ (3,2	(2) \$	(578,808)	\$ 42,183	s -	\$	(537,734)
13	Amortization Period Factor - Annual ("Capital Recovery Rate") in effect at the inception of the EDIT/DDIT		2.042	27%	2.0427%	2.04279	6	2.0427%	2.0427%	2.0427%	ARAM	,	ARAM	2.0427%			
14	Annual - FERC Account 411.1 (Provision for deferred income taxes-Credit, utility operating income) (Line 12 * Line 13) (NOTE 1)	Category 4	s	(23)	\$ (13)	\$	(9)	\$ (7)			\$ (2	15) \$	(3,451)			\$	(3,748)
15	Annual - FERC Account 410.1 (Provision for deferred income taxes, utility operating income) (Line 12 * Line 13) (NOTE 1)	Category 4							\$ 90	\$	i			\$ 862		\$	957
16	Sum of Line 14 & Line 15		\$	(23)	\$ (13)	\$	(9)	\$ (7)	\$ 90	\$	\$ (2	15) \$	(3,451)	\$ 862	\$	- \$	(2,791)
17	Number of Months per Year		12		12	12		12	12	12	12		12	12	1	2	
18	Amortized Net EDIT/DDIT - Monthly		\$	(2)	\$ (1)	\$	(1)	\$ (1)	\$ 8	\$	\$ ((0)	(288)	\$ 72	\$	- \$	(233)
19	Number of Months to be Amortized during the Current Year		12	2	12	12		12	12	12	12		12	12			
20	Amortized EDIT - Total to Attachment 5 - Cost Support, included as part of Line 136A		\$	(23)	\$ (13)	\$	(9)	\$ (7)			\$ (2	15) \$	(3,451)		\$	- \$	(3,748)
21	Amortized DDIT - Total to Attachment 5 - Cost Support, Included as part of Line 136A								\$ 90	\$;			\$ 862		\$	957

NOTE 1: If Line 6 reflects the use of ARAM, then Line 14 shall reflect an input value based on the current year ARAM calculation.

NOTE 1: If Line 6 reflects the use of ARAM, then Line 14 shall reflect an input value based on the current year ARAM calculation.																
EDIT/DDIT Salance Rollforward:														Less Amounts included in Attachment 5 - Subject to Proration Requirements - reported separately in 47A	Support broi based o (Excess)/De included as pa	ken out on ficient, art of Line
22	Initial Allocated EDIT at Date of Remeasurement	\$	(1,148) \$	(660) \$	(426) \$	(345)		\$	(3,222) \$	(578,808)			\$ (584,608)			
23	Initial Allocated DDIT as of Date of Remeasurement					\$	4,429 \$	262		\$	42,183		\$ 46,874			
24	Amount Amortized in Prior Years	\$	(31) \$	(18) \$	(9) \$	- \$	183 \$	10 \$	(2,703) \$	(11,864) \$	862		\$ (13,570)			
25	Unamortized EDIT Balance at Beginning of the Current Year (Line 22 - Line 24)	\$	(1,117) \$	(642) \$	(417) \$	(345)		\$	(519) \$	(566,944)	\$	-	\$ (569,983)	\$ (567,462)	s	(2,521)
26	Unamortized DDIT Balance at Beginning of the Current Year (Line 23 - Line 24)						4,246	252			41,321		\$ 45,819		\$	45,819
27	Initial Allocated EDIT/DDIT Established during the Current Year	\$	- \$	- \$	- \$	- \$	- s	- s	- \$				\$ -			
28	Amount Amortized in Current Year (Line 20 or Line 21)	\$	(23) \$	(13) \$	(9) \$	(7) \$	90 \$	5 \$	(245) \$	(3,451) \$	862 \$		\$ (2,791)			
29	Unamortized EDIT Balance at End of the Current Year (Line 25 + Line 27 - Line 28)	\$	(1,093) \$	(628) \$	(408) \$	(338)		\$	(274) \$	(563,492)	\$	-	\$ (566,235)	\$ (563,767)	s	(2,468)
30	Unamortized DDIT Balance at End of the Current Year (Line 26 + Line 27 - Line 28)					\$	4,155 \$	246		\$	40,459		\$ 44,861		s	44,861

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 6 - True-up Adjustment for Network Integration Transmission Service

The True-Up Adjustment component of the Formula Rate for each Rate Year beginning with 2010 shall be determined as follows: 1/2

- (i) Beginning with 2009, no later than June 15 of each year VEPCO shall recalculate an adjusted Annual Transmission Revenue Requirement for the previous calendar year based on its actual costs as reflected in its Form No. 1 and its books and records for that calendar year, consistent with FERC accounting policies.²
- (ii) VEPCO shall determine the difference between the recalculated Annual Transmission Revenue Requirement as determined in paragraph (i) above, and ATRR based on projected costs for the previous calendar year (True-Up Adjustment Before Interest).
- (iii) The True-Up Adjustment shall be determined as follows:

True-Up Adjustment equals the True-Up Adjustment Before Interest multiplied by (1+i)^24 months

Where:

Sum of (the monthly rates for the 7 months ending July 31 of the current year and the monthly rates for the 12 months ending December 31 of the preceding year) divided by 19 months.

Each monthly rate used to calculate i shall be calculated pursuant to the Commission's regulations at 18 C.F.R. § 35.19a.

Summary of Formula Rate Process including True-Up Adjustment

Month	Year	Action
Fall	2007	TO populates the formula with Year 2008 estimated data
Sept	2008	TO populates the formula with Year 2009 estimated data
June	2009	TO populates the formula with Year 2008 actual data and calculates the 2008 True-Up Adjustment Before Interest
Sept	2009	TO calculates the Interest to include in the 2008 True-Up Adjustment
Sept	2009	TO populates the formula with Year 2010 estimated data and 2008 True-Up Adjustment
June	2010	TO populates the formula with Year 2009 actual data and calculates the 2009 True-Up Adjustment Before Interest
Sept	2010	TO calculates the Interest to include in the 2009 True-Up Adjustment
Sept	2010	TO populates the formula with Year 2011 estimated data and 2009 True-Up Adjustment
June	(Year)	TO populates the formula with (Year -1) actual data and calculates the (Year-1) True-Up Adjustment Before Interest
Sept	(Year)	TO calculates the Interest to include in the (Year-1) True-Up Adjustment
Sept	(Year)	TO populates the formula with (Year +1) estimated data and (Year-1) True-Up Adjustment

- No True-Up Adjustment will be included in the Annual Transmission Revenue Requirement for 2008 or 2009 since the Formula Rate was not in effect for 2006 or 2007.
- To the extent possible each input to the Formula Rate used to calculate the actual Annual Transmission Revenue Requirement included in the True-Up Adjustment either will be taken directly from the FERC Form No. 1 or will be reconcilable to the FERC Form No. 1 by the application of clearly identified and supported information. If the reconciliation is provided through a worksheet included in the filed Formula Rate template, the inputs to the worksheet must meet this transparency standard, and doing so will satisfy this transparency requirement for the amounts that are output from the worksheet and input to the main body of the Formula Rate.

Calendar Year Do for Each Calendar Year beginning in 2009

A ATRR based on actual costs included for the previous calendar year but excludes the true-up adjustment.

B ATRR based on projected costs included for the previous calendar year but excludes the true-up adjustment.

C Difference (A-B)

D Future Value Factor (1+i)^24

E True-up Adjustment (C*D)

1,058,765.60 1,013,330.52 45,435 1.10749 50,319

Where:

i = interest rate as described in (iii) above.

Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 6A - True-up Adjustment for Annual Revenue Requirements recovered under Schedule 12

The True-Up Adjustment component of the annual revenue requirement for each project included in Attachment 7 for each Rate Year beginning with 2010 shall be determined as follows: 1

- (i) Beginning with 2009, no later than June 15 of each year VEPCO shall recalculate an adjusted Annual Revenue Requirement for the previous calendar year based on its actual costs as reflected in its Form No. 1 and its books and records for that calendar year, consistent with FERC accounting policies.²
- (ii) VEPCO shall determine the difference between the recalculated Annual Revenue Requirement and the Annual Revenue Requirement based on its projections (True-Up Adjustment Before Interest).
- (iii) The True-Up Adjustment for each project shall be determined as follows:

True-Up Adjustment equals the True-Up Adjustment Before Interest multiplied by (1+i)^24 months

Where i = Sum of (the monthly rates for the 7 months ending July 31 of the current year and the monthly rates for the 12 months ending December 31 of the proceeding year) divided by 19 months.

Each monthly rate used to calculate i shall be calculated pursuant to the Commission's regulations at 18 C.F.R. § 35.19a.

Summary of Formula Rate Process including True-Up Adjustment

Month Year Action

Fall	2007 TO populates the formula with Year 2008 e	stimated data
Sept	t 2008 TO populates the formula with Year 2009 e	stimated data
June	e 2009 TO populates the formula with Year 2008 ac	tual data and calculates the 2008 True-Up Adjustment Before Interest
Sept	t 2009 TO calculates the Interest to include in the 2	008 True-Up Adjustment
Sept	t 2009 TO populates the formula with Year 2010 es	timated data and 2008 True-Up Adjustment
June	e 2010 TO populates the formula with Year 2009 ac	tual data and calculates the 2009 True-Up Adjustment Before Interest
Sept	t 2010 TO calculates the Interest to include in the 2	009 True-Up Adjustment
Sept	t 2010 TO populates the formula with Year 2011 es	timated data and 2009 True-Up Adjustment
June	e (Year) TO populates the formula with (Year -1) acti	al data and calculates the (Year-1) True-Up Adjustment Before Interest
Sept	t (Year) TO calculates the Interest to include in the (Year-1) True-Up Adjustment
Sept	t (Year) TO populates the formula with (Year +1) est	imated data and (Year-1) True-Up Adjustment

- No True-Up Adjustment will be included in the annual revenue requirements for 2008 or 2009 since the Formula Rate was not in effect for 2006 or 2007. For all true-up calculations, the ATRR will be adjusted to exclude any true-up adjustment.
- To the extent possible, each input to the Formula Rate used to calculate the actual Annual Revenue Requirement included in the True-Up Adjustment either will be taken directly from the FERC Form No. 1 or will be reconcilable to the FERC Form No. 1 by the application of clearly identified and supported information. If the reconciliation is provided through a worksheet included in the filed Formula Rate template, the inputs to the worksheet must meet this transparency standard, and doing so will satisfy this transparency requirement for the amounts that are output from the worksheet and input to the main body of the Formula Rate.

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Virginia Electric and Power Company ATTACHMENT H-16A

Attachment 8 - Securitization Workpaper (000's)

Line#

Long Term Interest

105 Less LTD Interest on Securitization Bonds

Capitalization

115 Less LTD on Securitization Bonds

ATTACHMENT H-16A

Attachment 9 - Depreciation Rates¹

Depreciation Rates Applicable Through March 31, 2013

Plant Type	Applied Depreciation <u>Rate</u>
Transmission Plant	
Land	
Land Rights	1.36%
Structures and Improvements	1.41%
Station and Equipment	2.02%
Towers and Fixtures	2.36%
Poles and Fixtures	1.89%
Overhead conductors and Devices	1.90%
Underground Conduit	1.74%
Underground Conductors and Devices	2.50%
Roads and Trails	1.17%
General Plant	
Land Rights	1.70%
Structures and Improvements - Major	1.82%
Structures and Improvements - Other	2.26%
Communication Equipment	3.20%
Communication Equipment - Clearing	6.22%
Communication Equipment - Massed	6.22%
Communication Equipment - 25 Years	3.72%
Office Furniture and Equipment - EDP Hardware	27.38%
Office Furniture and Equipment - EDP Fixed Location	12.21%
Office Furniture and Equipment	1.64%
Laboratory Equipment	4.23%
Miscellaneous Equipment	2.53%
Stores Equipment	5.08%
Power Operated Equipment	8.16%
Tools, Shop and Garage Equipment	4.76%
Electric Vehicle Recharge Equipment	13.23%

¹Depreciation rates may be changed only pursuant to a Section 205 or Section 206 proceeding.

ATTACHMENT H-16A

Attachment 9 - Depreciation Rates (Continued)¹

Depreciation Rates Applicable On April 1, 2013 And Through December 31, 2016

Plant Type	Applied Depreciation <u>Rate</u>
Transmission Plant	
Land	
Land Rights	1.17%
Structures and Improvements	1.53%
Station Equipment	2.89%
Station Equipment - Power Supply Computer Equipment	10.46%
Towers and Fixtures	2.08%
Poles and Fixtures	2.11%
Overhead conductors and Devices	1.92%
Underground Conduit	1.65%
Underground Conductors and Devices	1.92%
Roads and Trails	1.06%
General Plant	
Land	
Land Rights	1.71%
Structures and Improvements - Major	1.95%
Structures and Improvements - Other	2.82%
Office Furniture and Equipment	2.68%
Office Furniture and Equipment - EDP Hardware	15.26%
Office Furniture and Equipment - EDP Fixed Location	7.26%
Transportation Equipment	3.90%
Stores Equipment	2.52%
Tools, Shop and Garage Equipment	4.32%
Laboratory Equipment	3.69%
Power Operated Equipment	4.75%
Communication Equipment	3.14%
Communication Equipment - Massed	5.97%
Communication Equipment - 25 Years	2.48%
Miscellaneous Equipment	6.67%

¹Depreciation rates may be changed only pursuant to a Section 205 or Section 206 proceeding.

ATTACHMENT H-16A

Attachment 9 - Depreciation Rates (Continued)¹

Depreciation Rates Applicable On And After January 1, 2017

Diant Tures	Applied Depreciation
Plant Type	<u>Rate</u>
Transmission Plant Land	
Land Rights	1.31%
Structures and Improvements	1.59%
Station Equipment	3.05%
Station Equipment - Power Supply Computer Equipment	7.21%
Towers and Fixtures	2.30%
Poles and Fixtures	2.33%
Overhead conductors and Devices	2.18%
Underground Conduit	2.10%
Underground Conductors and Devices	2.03%
Roads and Trails	1.06%
General Plant	
Land	
Land Rights	1.49%
Structures and Improvements-Major	2.38%
Structures and Improvements-Other	2.24%
Office Furniture and Equipment - 2012 and Prior	8.97%
Office Furniture and Equipment - 2013 and Subsequent	6.67%
Office Furniture and Equipment-EDP Hardware - 2012 and Prior	65.49%
Office Furniture and Equipment-EDP Hardware - 2013 and Subsequent	20.00%
Office Furniture and Equipment-EDP Fixed Location - 2012 and Prior	10.83%
Office Furniture and Equipment-EDP Fixed Location - 2013 and Subsequent	20.00% 5.75%
Transportation Equipment	5.75% 4.25%
Stores Equipment - 2012 and Prior Stores Equipment - 2013 and Subsequent	4.25%
Tools, Shop, and Garage Equipment - 2012 and Prior	3.70%
Tools, Shop, and Garage Equipment - 2012 and Pholical Pho	4.00%
Tools, Shop, and Garage Equipment-Electric Vehicles	0.00%
Laboratory Equipment - 2012 and Prior	4.12%
Laboratory Equipment - 2012 and 1 nor Laboratory Equipment - 2013 and Subsequent	4.00%
Power Operated Equipment	6.49%
Communication Equipment - 2012 and Prior	3.70%
Communication Equipment - 2013 and Subsequent	4.00%
Communication Equipment-Clearing	0.00%
Communication Equipment-Massed - 2012 and Prior	8.61%
Communication Equipment-Massed - 2013 and Subsequent	6.67%
Communication Equpment-25 Years - 2012 and Prior	2.66%
Communication Equpment-25 Years - 2013 and Subsequent	4.00%
Miscellaneous Equipment - 2012 and Prior	7.15%
Miscellaneous Equipment - 2013 and Subsequent	6.67%

¹Depreciation rates may be changed only pursuant to a Section 205 or Section 206 proceeding.

Attachment 10

Incremental Undergrounding Costs of the Garrisonville, Pleasant View, and NIVO Underground Projects

Section 1 -- Purpose

This Attachment 10 determines the appropriate amount of undergrounding costs to be allocated to each Network Customer for their Virginia loads in the Dominion Zone in accordance with the March 20, 2014 order of the Federal Energy Regulatory Commission in Docket No. EL10-49-005 and in compliance with the Federal Energy Regulatory Commission's October 19, 2017 Order on Initial Decision issued in Opinion No. 555. To provide compensation for these costs, each Network Customer with Virginia loads in the Dominion Zone shall pay a monthly Demand Charge, which shall be known as the "UG Transmission Charge" as determined herein.

Section 2 -- Underground ("UG") Transmission Project Descriptions

The projects are generally described below. The projects may be modified resulting in changes to their costs.

Garrisonville

The Aquia Harbor Terminal Station, the Garrisonville Substation excluding the distribution assets and the 230 kV shunt reactor banks in Garrisonville Substation, two underground transmission lines with associated duct systems running from Aquia Harbor Terminal Station to Garrisonville Substation, and modifications to transmission line protection equipment at Fredericksburg and Possum Point substations to interface with equipment at Aquia Harbor Terminal Station.

Pleasant View

An overhead transmission line running from Pleasant View Substation to Dry Mill South Station, facilities in Pleasant View Substation to facilitate connection of such transmission line, Dry Mill South Station, an underground transmission line with associated duct systems running from Dry Mill South Station to Breezy Knoll Station, Breezy Knoll Station, an overhead transmission line running from Breezy Knoll Station to Hamilton Substation, and Hamilton Substation excluding the distribution assets and the 230 kV shunt reactor bank in Hamilton Substation.

NIVO

Two underground transmission lines with associated duct system running from Beaumeade Substation to NIVO Substation, the NIVO Substation excluding distribution assets in NIVO Substation, and the facilities in Beaumeade Substation to facilitate connection of the two new underground transmission lines.

Attachment 10 (Continued)

Section 3 -- Determination of the Total Incremental Undergrounding Costs Revenue Requirement

The Total Incremental Undergrounding Costs Revenue Requirement shall be determined as set forth in the formula

Instructions:

- 1. Calculate this formula using data for Year on line 1.
- 2. On line 1, enter the year.
- 3. Lines 2a, 2b and 2c are the applicable UG Project Revenue Requirements consistent with the note below from either Attachment 10A if the applicable year is prior to 2015 or from Attachment 10B if the applicable year is after 2014.

Line		Descript	ion		Year
1	Enter the Rate Year				2021
			(In Dollars)		
	(1)	(2)	(3)	(4)	
	Project Name	Requirement	Adjustment Factors	Undergrounding	
2a	Garrisonville	\$13,119,062	92.49%	\$12,133,244	

2b	Pleasant View	\$8,784,168	23.37%	\$2,052,502
2c	NIVO	\$1,019,503	22.09%	\$225,224
3	Total Incremental Undergro	\$14,410,970		

NOTE: All column 2 amounts are for the year indicated on line 1 and include true-up adjustments for the calendar year that is two years prior to that year. However in the event that a one-time net refund settlement addresses the charges and credits for a calendar year, the true-up adjustment for that calendar year shall equal zero. The revenue requirements in column (2) and column (4) include depreciation, return on capital investment, income taxes, and accumulated deferred income taxes (ADIT), and property taxes in accordance with Opinion No. 555 Order on Initial Decision in FERC Docket No. EL10-49-005. The Adjustment Factors set forth in column (3) are the ratio of the Estimated Incremental Underground Capital Costs divided by the Total Capital Costs shown on page 8 of Opinion No. 555 Order on Initial Decision in FERC Docket No. EL10-49-005 and shall not be changed except pursuant to a filing under the appropriate of Section 205 or 206.

Attachment 10 (Continued)

Section 4 -- Annual UG Transmission Rate

The Annual UG Transmission Rate shall be calculated as follows:

Instructions:

1. On line 6, enter the portion of the amount on line 5 attributable to load located in Virginia as determined by PJM state estimator load bus data at the time of annual peak of the Dominion Zone.

Line	Description	Amounts
4	Total Incremental Undergrounding Costs Bevenue Beguirement	
4	Total Incremental Undergrounding Costs Revenue Requirement (from Line 3) (dollars per year)	\$14,410,970
	(Hom Line 3) (donars per year)	\$14,410,570
5	Dominion Zone NSPL	
	1 CP Peak from Appendix A, line 169 (in Megawatts)	20,086.5
6	Virginia Portion of the Dominion Zone NSPL	
	(Analysis of PJM load bus data) (in Megawatts)	19,375.6
7	Annual UG Transmission Rate	
	(dollars per MW-year) (line 4 ÷ line 6)	\$743.77

Attachment 10 (Continued)

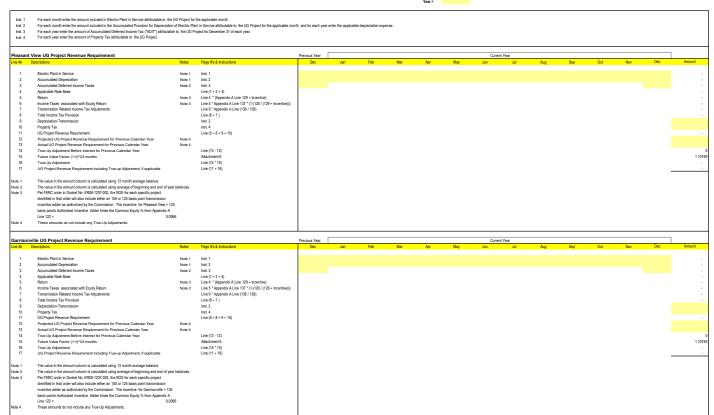
Section 5 -- Billing

The UG Transmission Charge shall be billed in accordance with the PJM billing procedure applied to billing the monthly Demand Charge for Zone Network Loads in Section 34.1 of the PJM Tariff, but for purposes of this calculation, the Zone Network Loads (including losses) at the time of the annual peak of the Zone in which the load is located shall include only Virginia loads in the Dominion Zone. If necessary, PJM state estimator load bus MWs at the time of the annual peak of the Dominion Zone shall be used to separate Virginia loads from other loads in the Dominion Zone. VEPCO shall provide to PJM the contribution of each Network Customer's Virginia Portion of the Dominion Zone NSPL. Also, for the purpose of calculating the UG Transmission Charge in accordance with this attachment, the Annual UG Transmission Rate calculated on line 7 above shall be used instead of the rate for Network Integration Transmission Service ("RTZ").

Section 6 -- Revenue Crediting

- A. For calculating the Annual Transmission Revenue Requirement and rate for Network Integration Transmission Service used for billing, the Total UG Project Adjusted Revenue Requirement amount, shown on line 4 of Section 4, shall be included in line 9 of Attachment 3, provided that the Annual Transmission Revenue Requirement is not one of the Annual Transmission Revenue Requirements used to determine refunds to each Network Customer as part of a net refund or charge settlement process that is in addition to the normal formula rate cycle billing process.
- B. For calculating the annual true-up, the UG Transmission Charge revenues received by the Company shall be included in line 9 of Attachment 3, provided that the UG Transmission Charge revenues for the applicable year are not distributed to each Network Customer as part of a net refund or charge settlement process that is in addition to the normal formula rate cycle billing process.

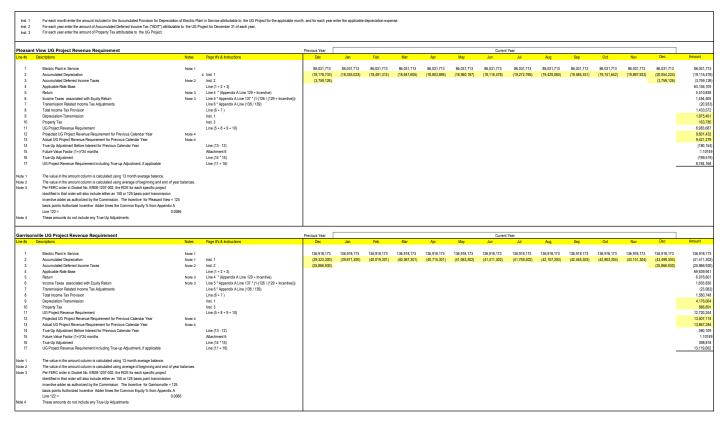
Attachment 10A - UG Project Revenue Requirement for 2010 - 2014 Calendar Years



Attachment 10A - UG Project Revenue Requirement for 2010 - 2014 Calendar Years

								Year =									
NIVO UG	Project Revenue Requirement			Previous Year						Curren	Year						
	Descriptions	Notes	Page #s & Instructions	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Amount
									,								
1	Electric Plant in Service	Note 1	Inst. 1														
2	Accumulated Depreciation	Note 1	Inst. 2														
3	Accumulated Deferred Income Taxes	Note 2	Inst. 3														
4	Applicable Rate Base		Line (1 + 2 + 3)														
5	Return		Line 4 * (Appendix A Line 129)														
6	Income Taxes associated with Equity Return		Line 5 * Appendix A Line 137 * (1-(126 / 129))														
7	Transmission Related Income Tax Adjustments		Line 6 * Appendix A Line (138 / 139)														
8	Total Income Tax Provision		Line (6 + 7)														
9	Depreciation-Transmission		Inst. 2														
10	Property Tax		Inst. 4														
11	UG Project Revenue Requirement		Line (5 + 8 + 9 + 10)	1													
12	Projected UG Project Revenue Requirement for Previous Calendar Year	Note 3															
13	Actual UG Project Revenue Requirement for Previous Calendar Year	Note 3															
14	True-Up Adjustment Before Interest for Previous Calendar Year		Line (13 - 12)														
15	Future Value Factor (1+i)*24 months		Attachment 6														1.1074
16	True-Up Adjustment		Line (14 * 15)														
17	UG Project Revenue Requirement including True-up Adjustment, if applicable		Line (11 + 16)														
1				l													
Note 1	The value in the amount column is calculated using 13 month average balance.			l													
Note 2	The value in the amount column is calculated using average of beginning and end of year	ar balances.		l													
Note 3	These amounts do not include any True-Up Adjustments.			l													

Attachment 108 - UG Project Revenue Requirement for Calendar Years after 2014
Year = 2021



Attachment 10B - UG Project Revenue Requirement for Calendar Years after 2014

								Year =	2021								
NIVO U	Project Revenue Requirement			Previous Year						Curren	Year						
Line #s	Descriptions	Notes	Page #s & Instructions	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Od	Nov	Dec	Amount
1	Electric Plant in Service	Note 1		10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838	10,113,838
2	Accumulated Depreciation	Note 1	Inst. 1	(2,680,454)	(2,706,160)	(2,731,866)	(2,757,572)	(2,783,278)	(2,808,984)	(2,834,690)	(2,860,396)	(2,886,102)	(2,911,808)	(2,937,514)	(2,963,220)	(2,988,926)	(2,834,690
3	Accumulated Deferred Income Taxes	Note 2	Inst. 2	(413,408)												(413,408)	(413,408
4	Applicable Rate Base		Line (1 + 2 + 3)														6,865,740
5	Return		Line 4 * (Appendix A Line 129)														553,734
6	Income Taxes associated with Equity Return		Line 5 * Appendix A Line 137 * (1-(126 / 129))														142,496
7	Transmission Related Income Tax Adjustments		Line 6 * Appendix A Line (138 / 139)														(2,051
8	Total Income Tax Provision		Line (6 + 7)														140,445
9	Depreciation-Transmission		Inst. 1														308,472
10	Property Tax		Inst. 3														18,204
- 11	UG Project Revenue Requirement		Line (5 + 8 + 9 + 10)														1,020,855
12	Projected UG Project Revenue Requirement for Previous Calendar Year	Note 3															1,087,597
13	Actual UG Project Revenue Requirement for Previous Calendar Year	Note 3															1,086,376
14	True-Up Adjustment Before Interest for Previous Calendar Year		Line (13 - 12)														(1,221
15	Future Value Factor (1+i)*24 months		Attachment 6														1.1074
16	True-Up Adjustment		Line (14 * 15)														(1,353
17	UG Project Revenue Requirement including True-up Adjustment, if applicable		Line (11 + 16)														1,019,503
			**													_	
Note 1	The value in the amount column is calculated using 13 month average balance.																
Note 2	The value in the amount column is calculated using average of beginning and end of year	balances.															
Maria 2	Those amounts do not include one Torre I to Adjustments			1													

Attachment 11

Capital Investment Recovery of Previous Jointly-Owned Assets

Section 1 -- Purpose

Dath Accets

This Attachment 11 determines the appropriate amount of revenue requirement to be assigned to Allegheny Generating Company, Monongahela Power Company, The Potomac Edison Company, and West Penn Power Company (collectively form "Allegheny Power") to recover the return, income taxes and depreciation and property taxes attributed to the assets acquired by VEPCO in accordance with Schedule 1 and Exhibit C of the Purchase Sale Agreement dated December 11, 2017 by and between Allegheny Generating Company and Virginia Electric and Power Company. These assets are described in Section 2 and collectively are referred to as the "Previous Jointly-Owned Assets".

Section 2 -- Previous Jointly-Owned Assets Descriptions

The Previous Jointly-Owned Assets are generally described below. Each facility may be modified and its costs shall reflect future retirements and additions. To the extent any segment or part of the facility is not eligible for inclusion in Attachment 7, a capital investment revenue requirement shall be determined for that segment or part as determined by this Attachment 11 and Attachment 11A.

a.	Bath Assets	
a.i	500 kV Bath-Lexington Transmission Line	Previous undivided ownership interest of Allegheny Generating Company in the following assets related to
a.ii	500 kV Bath-Valley Transmission Line	the Bath County hydroelectric facility in Virginia: the Air Entrance Bushings, associated air bus leads that connect from the generator step up transformers to the Air Entrance Bushings on the Gas Insulated Switchgear (GIS) including associated lightning arresters and Coupling Capacitor Potential Devices (CCPDs), the GIS, the 500kV Bath-Lexington transmission line, the 500kV Bath-Valley transmission line and
a.iii	Bath Substation Transmission Assets	associated protective relaying, control and communications.

Section 3 -- Determination of the Total Previous Jointly-Owned Assets Capital Investment Revenue Requirement

The Total Previous Jointly-Owned Assets Capital Investment Revenue Requirement shall be determined as set forth in the formula below.

Instructions:

- 1. Calculate this formula using data for Year on line 1.
- 2. On line 1, enter the year.
- 3. Line 2 is the applicable Previous Jointly-Owned Asset's Capital Investment Revenue Requirement consistent with the note below from Attachment 11A.

Line		Description	n		Year
1	Enter the Rate Year				2021
		(In Dollars)		
	(1)	(2)	(3)	(4)	
	Previous Jointly-Owned	Capital Investment Revenue			
	Assets Name	Requirement	Adjustment Factors	Total	

3	Total Previous Jointly-Owned	\$3,866,894		
2.a.iii	Transmission Assets	40.00%	\$2,052,270	
	Bath Substation	\$5,130,674		
2.a.ii	Transmission Line	\$2,760,394	40.00%	\$1,104,157
2 - 11	500 kV Bath-Valley	\$2.760.204	40.00%	¢1 104 157
20.1	Transmission Line	\$1,770,108	40.0076	\$710,407
2a.i	500 kV Bath-Lexington	\$1,776,168	40.00%	\$710,467

NOTE: All column 2 amounts are for the year indicated on line 1 and include true-up adjustments for the calendar year that is two years prior to that year. The revenue requirements in column (2) and column (4) include depreciation, return on capital investment, income taxes, and property taxes.

Attachment 11 (Continued)

Section 4 -- Previous Jointly-Owned Assets Monthly Charge

Line	Description	Amounts
4	Total Previous Jointly-Owned Assets' Capital Investment Revenue Requirement (from Line 3) (dollars per year)	\$3,866,894
5	Previous Jointly-Owned Assets' Capital Monthly Charge	
	(dollars per month) (line 4 ÷ 12 months)	\$322,241

Section 5 -- Billing

PJM shall bill the Previous Jointly-Owned Assets' Monthly Charge to the TO Account specified by Allegheny Power in the Allegheny (APS) Transmission Zone.

Section 6 -- Revenue Crediting

A. For calculating the Annual Transmission Revenue Requirement and rate for Network Integration Transmission Service used for billing, the Total Previous Jointly-Owned Assets' Capital Investment Revenue Requirement amount, shown on line 4 of Section 4, shall be included in line 9 of Attachment 3.

Attachment 11A - Previous Jointly-Owned Assets' Capital Investment Revenue Requirement

For each month enter the amount included in Electric Plant in Service attributable to the Phenicus Joshy Quend Assats for the applicable month.
For each month enter the amount included in the Assamulated Phenicis for Deprecation of Electric Plant in Service attributable to the Phenicus Joshy Quend Assats for The each part of the Format of Assamulated Phenicis for Comment of Assamulated Plant in Service Assats for December 31 of each year.
For each year or the month of Property Tax attributable to the Phenicus Joshy Quend Assats for December 31 of each year. Previous Jointly-Owned Assets (500 kV Bath-Lexington transmission line) Capital Investment Rev Inst. 1 Inst. 2 Inst. 3 Inst. 4 - 2 - 3) Line 4 - (2-5) d. A Line 125) Line 6 - (2-5) d. A Line 125 - (1-126 / 125) Line 6 - 7) Inst. 2 Inst. 6 - 7 | Inst. 2 Inst. 4 Line (5 - 8 - 9 - 10) 22847.384 22847.385 22847.384 22847.384 22847.384 22847.384 22847.385 22847.384 22847.385 22847.384 22847.385 22847.384 22847.385 22847.384 22847.385 22847. 23,847,364 (14,890,577) (312,861) 8,844,126 713,294 183,956 (2,842) 180,915 518,185 93,005 1,500,398 244,489 1,10749 270,770 1,776,168 Line (13 - 12) Attachment 6 Line (14 * 15) Line (11 + 16) Previous Jointly-Owned Assets' Capital Investment Revenue Requirement including True-up Adjustment, if applicable a.ii. Previous Jointly-Owned Assets (500 kV Bath-Valley transmission line) Capital Investment Revenue Requirement Description

Bertie Partie Gerole

Accumulated Digmentation

Accumulated Digmentation

Applicate Sond Sea

Regional Sea

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Attachment 11 PATH Formula Rate for January 1, 2021 to December 31, 2021



1301 K Street, N.W. Suite 500 East Washington, D.C. 20005

Richard Sparling (202) 973-4293 tel (202) 973-4493 fax

ricksparling@dwt.com

September 1, 2020

To: Parties to FERC Docket No. ER08-386-000

Re: Potomac-Appalachian Transmission Highline, LLC
PJM Open Access Transmission Tariff, Attachment H-19
Projected Transmission Revenue Requirement for Rate Year 2021

Pursuant to section IV of the Formula Rate Implementation Protocols ("Protocols") set forth in Attachment H-19B of the PJM Open Access Transmission Tariff ("PJM OATT"), Potomac-Appalachian Transmission Highline, LLC ("PATH"), on behalf of its operating companies PATH West Virginia Transmission Company, LLC and PATH Allegheny Transmission Company, LLC, is submitting a Projected Transmission Revenue Requirement for Rate Year 2021 ("2021 PTRR") to PJM for posting.

The 2021 PTRR was developed pursuant to the PATH formula rate as set forth in Attachment H-19 of the PJM OATT. PATH has asked PJM to post a copy of the 2021 PTRR to the transmission service formula rates section of its internet site, located at:

http://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx

A copy of the 2021 PTRR is attached. Pursuant to section IV.C of the Protocols, within two business days of this submission to PJM, PATH will provide notice on PJM's website of the time, date and location of an open meeting among Interested Parties.

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PJM Interconnection, L.L.C., FERC Electric Tariff, Sixth Revised Volume No. 1.

For the 12 months ended 12/31/2021

SUMMARY

	PATH West Virginia Transmission Company, LLC (PATH-WV) (1)		PATH Allegheny Transmission Company, LLC (PATH- Allegheny) (2)	1	Potomac-Appalachian Transmission Highline, LLC (3) = (1) + (2)	
1 NET REVENUE REQUIREMENT		\$362,265	(A)	\$127,40	<mark>2</mark> (B)	\$489,668
 2 PJM Project No. 3 b0490 & b0491 4 b0492 & b0560 5 Order 554-A True-up 6 Total (Sum lines 3 to 5) 		\$362,265 \$9,260,929 \$9,623,194	` ,	\$127,40 \$3,945,77 \$4,073,17	7 (E)	\$362,265 \$127,402 \$13,206,706 \$13,696,374
Sources:	(A) (B) (C) (D) (E)	Rate Formula Template, page 2, l Rate Formula Template, page 7, l Rate Formula Template - Attachm Rate Formula Template - Attachm Order 554-A refund related to Jan	ine 5, nent 5, nent 5,	col. (3) page 30 col., (7) page 31 col., (6)		

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH West Virginia Transmission Company, LLC

For the 12 months ended 12/31/2021

			(1)		(2)	(3)
Line No.						Allocated Amount
1	GROSS REVENUE REQUIREMENT	(line 86)			12 months	\$ 556,139
	REVENUE CREDITS		Total	,	Allocator	
2	Total Revenue Credits	Attachment 1, line 12	0	TP	1.00000	\$ -
3	True-up Adjustment with Interest	Protocols	-193,873	DA	1.00000	\$ (193,873)
4a	Accelerated True-up Adjustment with Interest		0	DA	1.00000	\$ -
4b	Interest on Gains or Recoveries in Account 254	Company Records	0	DA	1.00000	-
5	NET REVENUE REQUIREMENT	(Lines 1 minus line 2 plus I	ine 3 plus line 4a and 4b)		\$ 362,265

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH West Virginia Transmission Company, LLC (2) (3)

		PATH West v	irginia Transmission Co	mpany, LLC		
	(1)	(2)	(3)		(4)	(5)
		Form No. 1				Transmission
Line		Page, Line, Col.	Company Total	Allo	cator	(Col 3 times Col 4)
No.	RATE BASE:					
	GROSS PLANT IN SERVICE					
6	Production	(Attachment 4)	_	NA	0.00000	_
7	Transmission	(Attachment 4)	-	TP	1.00000	-
8	Distribution	(Attachment 4)	-	NA	0.00000	-
		(Attachment 4)	-	W/S	1.00000	-
9 10	General & Intangible Common	(Attachment 4)	-	CE	1.00000	-
		,				
11	TOTAL GROSS PLANT (sum lines 6-10)	(GP=1 if plant =0)	-	GP=	1.00000	-
12	ACCUMULATED DEPRECIATION					
13	Production	(Attachment 4)	-	NA	0.00000	-
14	Transmission	(Attachment 4)	-	TP	1.00000	-
15	Distribution	(Attachment 4)	-	NA	0.00000	-
16	General & Intangible	(Attachment 4)	-	W/S	1.00000	-
17	Common	(Attachment 4)		CE	1.00000	<u> </u>
18	TOTAL ACCUM. DEPRECIATION (sum lines 13	-17)	-			-
19	NET PLANT IN SERVICE					
20	Production	(line 6- line 13)	_			_
21	Transmission	(line 7- line 14)	<u>_</u>			<u>_</u>
22	Distribution	(line 8- line 15)	_			_
23	General & Intangible	(line 9- line 16)	_			_
24	Common	(line 10- line 17)	_			_
25	TOTAL NET PLANT (sum lines 20-24)	(NP=1 if plant =0)		NP=	1.0000	
		(· · · · · · p.c. · · ·)				
26	ADJUSTMENTS TO RATE BASE (Note A)					
27	Account No. 281 (enter negative)	(Attachment 4)	-	NA	0.00000	-
28	Account No. 282 (enter negative)	(Attachment 4)	-	NP	1.00000	-
29	Account No. 283 (enter negative)	(Attachment 4)	542,979	NP	1.00000	542,979
30	Account No. 190	(Attachment 4)	3,105,084	NP	1.00000	3,105,084
31	Account No. 255 (enter negative)	(Attachment 4)	-	NP	1.00000	-
32	CWIP	(Attachment 4)	-	DA	1.00000	-
33	Unamortized Regulatory Asset	(Attachment 4)	-	DA	1.00000	-
34	Unamortized Abandoned Plant	(Attachment 4)		DA	1.00000	-
35	TOTAL ADJUSTMENTS (sum lines 27-34)		3,648,063			3,648,063
36	LAND HELD FOR FUTURE USE	(Attachment 4)	-	TP	1.00000	-
37	WORKING CAPITAL (Note C)					
38	CWC	calculated	33,440			33,440
39	Materials & Supplies (Note B)	(Attachment 4)	-, -	TE	1.00000	,
40	Prepayments (Account 165 - Note C)	(Attachment 4)	-	GP	1.00000	-
41	TOTAL WORKING CAPITAL (sum lines 38-40)	,	33,440			33,440
40	DATE DAGE (our lines OF OF OC 9 44)		2 604 502			2 604 602
42	RATE BASE (sum lines 25, 35, 36, & 41)		3,681,502			3,681,502

(5)

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH West Virginia Transmission Company, LLC
(1) (2) (3) (4)

	()	· ,	` ,		` '	()
		Form No. 1				Transmission
		Page, Line, Col.	Company Total	Allo	cator	(Col 3 times Col 4)
43	O&M					
44	Transmission	321.112.b	_	TE	1.00000	-
45	Less Account 565	321.96.b	_	TE	1.00000	-
46	Less Account 566 (Misc Trans Expense)	Line 56	-	DA	1.00000	-
47	A&G	323.197.b	264,335	W/S	1.00000	264,335
48	Less EPRI & Reg. Comm. Exp. & Other Ad.	(Note D & Attach 4)	-	DA	1.00000	-
49	Plus Transmission Related Reg. Comm. Exp	. (Note D & Attach 4)	-	TE	1.00000	-
50	PBOP Expense adjustment	(Attachment 4)	3,183			3,183
51	Common	(Attachment 4)	-	CE	1.00000	-
52	Transmission Lease Payments	200.4.c	-	DA	1.00000	
53	Account 566	Attack		D.4	4 00000	
54	Amortization of Regulatory Asset	Attachment 4	-	DA	1.00000	-
55 56	Miscellaneous Transmission Expense	Attachment 4	<u> </u>	DA	1.00000	
56	Total Account 566		-			-
57	TOTAL O&M (sum lines 44, 47, 49, 50, 51, 52,	56 less lines 45, 46 & 48)	267,518			267,518
58	DEPRECIATION EXPENSE					
59	Transmission	336.7.b & c	-	TP	1.00000	-
60	General and Intangible	336.1.d&e + 336.10.b&c	-	W/S	1.00000	-
61	Common	336.11.b&c	-	CE	1.00000	-
62	Amortization of Abandoned Plant	(Attachment 4)		DA	1.00000	-
63	TOTAL DEPRECIATION (Sum lines 59-62)		-			-
64	TAXES OTHER THAN INCOME TAXES (Note E	.)				
65	LABOR RELATED	,				
66	Payroll	263i	-	W/S	1.00000	-
67	Highway and vehicle	263i	-	W/S	1.00000	-
68	PLANT RELATED					
69	Property	263i	-	GP	1.00000	-
70	Gross Receipts	263i	-	NA	0.00000	-
71	Other	263i	-	GP CD	1.00000	-
72 72	Payments in lieu of taxes		-	GP	1.00000	-
73	TOTAL OTHER TAXES (sum lines 66-72)		-			-
74	INCOME TAXES	(Note F)				
75	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)}	•	26.14%			
76	CIT=(T/1-T) * (1-(WCLTD/R)) =		22.40%			
77	where WCLTD=(line 118) and R= (line 121)					
78	and FIT, SIT & p are as given in footnote F.					
79	1/(1 - T) = (T from line 75)		1.3538			
80	Amortized Investment Tax Credit (266.8f) (enter	negative)	0			
81	Income Tax Calculation = line 76 * line 85		52,820	NA		52,820
82	ITC adjustment (line 79 * line 80)		0	NP	1.00000	·
83	Total Income Taxes	(line 81 plus line 82)	52,820			52,820
84	RETURN					
85	[Rate Base (line 42) * Rate of Return (line 121)]	235,800	NA		235,800
	_ , , , , , , , , , , , , , , , , , , ,	•				
86	REV. REQUIREMENT (sum lines 57, 63, 73, 83	, ୪১)	556,139			556,139

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH West Virginia Transmission Company, LLC SUPPORTING CALCULATIONS AND NOTES

87	TRANSMISSION PLANT INCLUDED IN ISO R	ATES									
88 89 90 91	Total transmission plant (line 7, column 3) Less transmission plant excluded from ISO rate Less transmission plant included in OATT Anci Transmission plant included in ISO rates (line	llary Services (Note H)					0 0 0				
92	Percentage of transmission plant included in IS	O Rates (line 91 divided by line	ne 88) [If line 88	equal zero, enter	1) TI	P=	1.0000				
93 94 95 96 97	TRANSMISSION EXPENSES Total transmission expenses (line 44, column 3) Less transmission expenses included in OATT Ancillary Services (Note G) Included transmission expenses (line 95 less line 96) 0										
98 99 100	Percentage of transmission expenses after adj Percentage of transmission plant included in IS Percentage of transmission expenses included	ustment (line 97 divided by lin 60 Rates (line 92)		equal zero, enter 1	TI	P E=	1.00000 1.00000 1.00000				
101 102	WAGES & SALARY ALLOCATOR (W&S)	Form 1 Reference	\$	TP	Allocation						
103	Production	354.20.b	Ψ	0	Allocation						
104	Transmission	354.21.b		0 1.00	0						
105	Distribution	354.23.b		0	O .		W&S Allocator				
106	Other	354.24,25,26.b		0			(\$ / Allocation)				
107	Total (sum lines 103-106) [TP equals 1 if the	, ,		0	0	=	1.00000 =	WS			
108	COMMON PLANT ALLOCATOR (CE) (Note	1)									
109			\$		% Electric		W&S Allocator				
110	Electric	200.3.c		0	(line 110 / line 113))	(line 107)	CE			
111	Gas	201.3.d		0	1.00000	Χ	1.00000 =		1.00000		
112	Water	201.3.e		0							
113	Total (sum lines 110 - 112)			0							
114	RETURN (R)						\$				
115 116 117 118 119 120 121	Long Term Debt (Note K) Preferred Stock Common Stock (Note J) Total (sum lines 118-120)	(Attachment 4) (Attachment 4) (Attachment 4)	\$	% 0 50% 0 0% 0 50%	Cost 4.70% 0.00% 8.11%		Weighted 0.0235 =WCLTI 0.0000 0.0406 0.0641 =R	0			

SUPPORTING CALCULATIONS AND NOTES

Formula Rate - Non-Levelized

Attachment A
Rate Formula Template
Utilizing FERC Form 1 Data

PATH West Virginia Transmission Company, LLC

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note Letter

- The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note F. Account 281 is not allocated.
- B Identified in Form 1 as being only transmission related.
- C Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission

 Prepayments are the electric related prepayments booked to Account No. 165 and reported on Pages 110-111 line 57 in the Form 1.
- D EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, except safety, education and out-reach related advertising included in Account 930.1. Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- E Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year.

 Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- 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 is taxed in more than one state it must attach a
 work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that
 elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce
 rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
 multiplied by (1/1-T) (page 4, line 79).

Inputs Required:

SIT = 21.00%

SIT = 6.50% (State Income Tax Rate or Composite SIT from Attachment 4)

p = 0.00% (percent of federal income tax deductible for state purposes)

- G Removes dollar amount of transmission expenses included in the OATT ancillary services rates, if any.
- Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- I Enter dollar amounts
- Effective Janaury 19, 2017, the ROE will be 8.11%. The true up for Rate Year 2017 will be computed using an ROE that is a time-weighted average of the pre-January 19, 2017 ROE and the post-January 19, 2017 ROE. Examaple Calculation: For the first 18 days of 2017, the authorized ROE will be 10.4%, and for the remaining 347 days of 2017, the authorized ROE will be 8.11%. Therefore, the weighted ROE = (18 days* 10.40% + 347 days*8.11%)/365 days=8.22%.
- K The percentage shown for Long Term Debt is subject to the Annual Update and Attachment 9. Pursuant to the Stipulation Agreement entered into on April 6, 2015 in FERC Docket Nos. ER09-1256-002 and ER12-2708-003, the Long Term Debt rate is 4.70% effective December 1, 2012.

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH Allegheny Transmission Company, LLC

For the 12 months ended 12/31/2021

			(1)		(2)		(3)
Line No.						Allocated Amount	
1	GROSS REVENUE REQUIREMENT	(line 86)		1	12 months	\$	123,085
	REVENUE CREDITS		Total	Allocator			
2	Total Revenue Credits	Attachment 1, line 12	0	TP	1.00000		-
3	True-up Adjustment with Interest	Protocols	4,317	DA	1.00000	\$	4,317
4a	Accelerated True-up Adjustment with Interest		0	DA	1.00000		-
4b	Interest on Gains or Recoveries in Account 254	Company Records	0	DA	1.00000		-
5	NET REVENUE REQUIREMENT	(Lines 1 minus line 2 plus line 3 plus line 4a and 4b)					127,402

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH Allegheny Transmission Company, LLC (3)

For the 12 months ended 12/31/2021

		PATH Allegheny Transmission Company, LLC				
	(1)	(2)	(3)	(4	4)	(5)
		Form No. 1				Transmission
Line	DATE DAGE	Page, Line, Col.	Company Total	Allo	cator	(Col 3 times Col 4)
No.	RATE BASE:					
	GROSS PLANT IN SERVICE					
6	Production	(Attachment 4)	-	NA	0.00000	_
7	Transmission	(Attachment 4)	_	TP	1.00000	<u>-</u>
8	Distribution	(Attachment 4)	-	NA	0.00000	_
9	General & Intangible	(Attachment 4)	_	W/S	1.00000	-
10	Common	(Attachment 4)	-	CE	1.00000	-
11	TOTAL GROSS PLANT (sum lines 6-10)	(GP=1 if plant =0)	-	GP=	1.00000	-
	TO THE CITE OF EACH (Commission 19)	(G. T. II Plant G)		O .		
12	ACCUMULATED DEPRECIATION					
13	Production	(Attachment 4)	-	NA	0.00000	-
14	Transmission	(Attachment 4)	-	TP	1.00000	-
15	Distribution	(Attachment 4)	-	NA	0.00000	-
16	General & Intangible	(Attachment 4)	-	W/S	1.00000	-
17	Common	(Attachment 4)		CE	1.00000	-
18	TOTAL ACCUM. DEPRECIATION (sum lines 13-	17)	-			-
19	NET PLANT IN SERVICE					
20	Production	(line 6- line 13)	-			-
21	Transmission	(line 7- line 14)	-			-
22	Distribution	(line 8- line 15)	-			-
23	General & Intangible	(line 9- line 16)	-			-
24	Common	(line 10- line 17)	-			-
25	TOTAL NET PLANT (sum lines 20-24)	(NP=1 if plant =0)	-	NP=	1.0000	-
26	ADJUSTMENTS TO RATE BASE (Note A)					
20 27	,	(Attachment 4)		NA	0.00000	
28	Account No. 281 (enter negative) Account No. 282 (enter negative)	(Attachment 4)	-	NP	1.00000	-
28 29	Account No. 283 (enter negative) Account No. 283 (enter negative)	(Attachment 4)	-	NP	1.00000	-
30	Account No. 190	(Attachment 4)	211,913	NP	1.00000	- 211,913
31		,	211,913	NP	1.00000	211,913
32	Account No. 255 (enter negative) CWIP	(Attachment 4)	-	DA	1.00000	-
		(Attachment 4) (Attachment 4)	-		1.00000	-
33 34	Unamortized Regulatory Asset Unamortized Abandoned Plant	,	-	DA DA	1.00000	-
		(Attachment 4)	211.012	DA	1.00000	211 012
35	TOTAL ADJUSTMENTS (sum lines 27-34)		211,913			211,913
36	LAND HELD FOR FUTURE USE	(Attachment 4)	-	TP	1.00000	-
37	WORKING CAPITAL (Note C)					
38	CWC	calculated	13,239			13,239
39	Materials & Supplies (Note B)	(Attachment 4)	-	TE	1.00000	-
40	Prepayments (Account 165 - Note C)	(Attachment 4)		GP	1.00000	
41	TOTAL WORKING CAPITAL (sum lines 38-40)		13,239			13,239
42	RATE BASE (sum lines 25, 35, 36, & 41)		225,151			225,151
	27.02 (00.11 11100 20, 00, 00, 00 11)					

Formula Rate - Non-Levelized

(1)

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

PATH Allegheny Transmission Company, LLC (2) (3) (4)

For the 12 months ended 12/31/2021

(5)

	()	()	()	`	,	()
		Form No. 1				Transmission
		Page, Line, Col.	Company Total	Allo	cator	(Col 3 times Col 4)
43	O&M					
43 44	Transmission	321.112.b	11 024	TC	1.00000	11 024
			11,934	TE		11,934
45 46	Less Account 565	321.96.b	11.021	TE	1.00000	-
46	Less Account 566	Line 56	11,934	DA	1.00000	11,934
47	A&G	323.197.b	93,975	W/S	1.00000	93,975
48	Less EPRI & Reg. Comm. Exp. & Other Ad.	(Note D & Attach 4)	-	DA	1.00000	-
49	Plus Transmission Related Reg. Comm. Exp.	(Note D & Attach 4)	-	TE	1.00000	-
50	PBOP Expense adjustment	(Attachment 4)	-	a-		-
51	Common	(Attachment 4)	-	CE	1.00000	-
52	Transmission Lease Payments	200.4.c	-	DA	1.00000	
53	Account 566					
54	Amortization of Regulatory Asset	Attachment 4	-	DA	1.00000	-
55	Miscellaneous Transmission Expense	Attachment 4	11,934	DA	1.00000	11,934
56	Total Account 566		11,934			11,934
57	TOTAL O&M (sum lines 44, 47, 49, 50, 51, 52, 56 le	ess lines 45,46, 48)	105,909			105,909
58	DEPRECIATION EXPENSE					
59	Transmission	336.7.b & c	-	TP	1.00000	-
60	General and Intangible	336.1.d&e + 336.10.b.c.d&e	-	W/S	1.00000	-
61	Common	336.11.b & c	-	CE	1.00000	-
62	Amortization of Abandoned Plant	(Attachment 4)	-	DA	1.00000	-
63	TOTAL DEPRECIATION (Sum lines 59-62)		-			-
64	TAXES OTHER THAN INCOME TAXES (Note E)					
65	LABOR RELATED					
66	Payroll	263i	-	W/S	1.00000	<u>-</u>
67	Highway and vehicle	263i	<u>-</u>	W/S	1.00000	<u>-</u>
68	PLANT RELATED					
69	Property	263i	-	GP	1.00000	-
70	Gross Receipts	263i	_	NA	0.00000	_
71	Other	263i	<u>-</u>	GP	1.00000	_
72	Payments in lieu of taxes		_	GP	1.00000	_
73	TOTAL OTHER TAXES (sum lines 66-72)		-			-
74	INCOME TAXES	(Note F)				
75	T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} =		23.18%			
76	CIT=(T/1-T) * (1-(WCLTD/R)) =		19.11%			
77	where WCLTD=(line 118) and R= (line 121)					
78	and FIT, SIT & p are as given in footnote F.					
79	1/(1 - T) = (T from line 75)		1.3018			
80	Amortized Investment Tax Credit	(266.8f) (enter negative)	0			
81	Income Tax Calculation = line 76 * line 85		2,755	NA		2,755
82	ITC adjustment (line 79 * line 80)		0	NP	1.00000	-
83	Total Income Taxes	(line 81 plus line 82)	2,755			2,755
84	RETURN					
85	[Rate Base (line 42) * Rate of Return (line 121)]		14,421	NA		14,421
86	REV. REQUIREMENT (sum lines 57, 63, 73, 83, 85	5)	123,085			123,085
						 _

Formula Rate - Non-Levelized

Attachment A Rate Formula Template Utilizing FERC Form 1 Data

For the 12 months ended 12/31/2021

PATH Allegheny Transmission Company, LLC SUPPORTING CALCULATIONS AND NOTES

87	TRANSMISSION PLANT INCLUDED IN ISO RAT	ES						
88 89 90 91	Total transmission plant (line 7, column 3) Less transmission plant excluded from ISO rates Less transmission plant included in OATT Ancillar Transmission plant included in ISO rates (line 88)	,				0 0 0		
92	Percentage of transmission plant included in ISO	Rates (line 91 divided by line 88) [If	line 88 equal zero	o, enter 1)	TP=	1.0000		
93 94	TRANSMISSION EXPENSES							
95 96	Total transmission expenses (line 44, column 3) Less transmission expenses included in OATT Ar					11,934 0		
97	Included transmission expenses (line 95 less line	` '			•	11,934		
98 99 100	Percentage of transmission expenses after adjust Percentage of transmission plant included in ISO Percentage of transmission expenses included in	Rates (line 92)	line 95 equal zero	, enter 1)	TP TE=	1.00000 1.00000 1.00000		
101 102	WAGES & SALARY ALLOCATOR (W&S)	Form 1 Reference	\$	TP	Allocation			
103	Production	354.20.b	*	0				
104 105	Transmission Distribution	354.21.b 354.23.b		0 1.00	0	W&S Allocator		
105	Other	354.24,25,26.b		0 1.00	0	(\$ / Allocation)		
107	Total (sum lines 103-106) [TP equals 1 if there a	, ,		0	0 =	1.00000	=	WS
108	COMMON PLANT ALLOCATOR (CE) (Note I)		•		o/ = 1	1440 O A II		
109 110	Electric	200.3.c	\$	0	% Electric (line 110 / line 113)	W&S Allocator (line 107)		CE
111	Gas	201.3.d		0	1.00000 x	1.00000	=	1.00000
112	Water	201.3.e		0				
113	Total (sum lines 110 - 112)			0				
114	RETURN (R)					\$		
115 116 117 118 119 120	Long Term Debt (Note K) Preferred Stock Common Stock (Note J) Total (sum lines 118-120)	(Attachment 4) (Attachment 4) (Attachment 4)	\$	% 0 50% 0 0% 0 50%	Cost 4.70% 0.00% 8.11%	Weighted 0.0235 =\ 0.0000 0.0406		
116 117 118 119	Preferred Stock	(Attachment 4)	\$	0 50% 0 0%	4.70% 0.00%	0.0235 =\ 0.0000		

SUPPORTING CALCULATIONS AND NOTES

Attachment A
Rate Formula Template
Utilizing FERC Form 1 Data

PATH Allegheny Transmission Company, LLC

For the 12 months ended 12/31/2021

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Note Letter

- A The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note F. Account 281 is not allocated.
- B Identified in Form 1 as being only transmission related.

Formula Rate - Non-Levelized

- C Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission

 Prepayments are the electric related prepayments booked to Account No. 165 and reported on Pages 110-111 line 57 in the Form 1.
- EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, except safety, education, siting and out-reach related advertising included in Account 930.1. Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- E Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year.

 Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- 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 is taxed in more than one state it must attach a
 work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that
 elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce
 rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f)
 multiplied by (1/1-T) (page 9, line 79).

Inputs Required:

SIT = 21.00%

SIT = 2.76% (State Income Tax Rate or Composite SIT from Attachment 4)

p = 0.00% (percent of federal income tax deductible for state purposes)

- G Removes dollar amount of transmission expenses included in the OATT ancillary services rates, if any.
- Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- I Enter dollar amounts
- J Effective Janaury 19, 2017, the ROE will be 8.11%. The true up for Rate Year 2017 will be computed using an ROE that is a time-weighted average of the pre-January 19, 2017 ROE and the post-January 19, 2017 ROE. Examaple Calculation: For the first 18 days of 2017, the authorized ROE will be 10.4%, and for the remaining 347 days of 2017, the authorized ROE will be 8.11%. Therefore, the weighted ROE = (18 days* 10.40% + 347 days*8.11%)/365 days=8.22%.
- K The percentage shown for Long Term Debt is subject to the Annual Update and Attachment 9. Pursuant to the Stipulation Agreement entered into on April 6, 2015 in FERC Docket Nos. ER09-1256-002 and ER12-2708-003, the Long Term Debt rate is 4.70% effective December 1, 2012.

Attachment 1 - Revenue Credit Workpaper PATH West Virginia Transmission Company, LLC

Account 454 - Rent from Electric Property		
1 Rent from FERC Form No. 1 - Note 6		-
2 Other Electric Revenues	See	-
3 Schedule 1A4 PTP Serv revs for which the load is not included in the divisor received by TO		-
5 PJM Transitional Revenue Neutrality (Note 1)		-
6 PJM Transitional Market Expansion (Note 1)		-
7 Professional Services (Note 3)		-
8 Revenues from Directly Assigned Transmission Facility Charges (Note 2)		-
9 Rent or Attachment Fees associated with Transmission Facilities (Note 3)		-
10 Gross Revenue Credits	Sum lines 2-9 + line 1	-
11 Less line 20	less line 18	-
12 Total Revenue Credits	line 10 + line 11	-
13 Revenues associated with lines 13 thru 18 are to be included in lines 1-9 and total of		
those revenues entered here		-
14 Income Taxes associated with revenues in line 15		-
15 One half margin (line 13 - line 14)/2 16		-
All expenses (other than income taxes) associated with revenues in line 13 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.		-
17 Line 15 plus line 16		-
18 Line 13 less line 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 page 2, line 2 of Rate Formula Template.
- 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.
- 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). DLC will retain 50% of net revenues consistent with <u>Pacific Gas and Electric Company</u>, 90 FERC ¶ 61,314. Note: in order to use lines 15 20, 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).
- 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 are not included in the total above to the extent they are credited under Schedule 12.

Attachment 1 - Revenue Credit Workpaper PATH West Virginia Transmission Company, LLC

Note 5 Other electric Revenues - includes revenues for various related electricity products/premium services such as surge protectors and appliance guards

Note 6 All Account 454 and 456 Revenues must be itemized below
--

All Account 454 and 456 Revenues must be itemized below		
Account 454	Include	\$
Joint pole attachments - telephone	Include	-
Joint pole attachments - cable	Include	-
Underground rentals	Include	-
Transmission tower wireless rentals	Include	-
Other rentals	Include	-
Corporate headquarters sublease	Include	-
Misc non-transmission rentals	Include	-
Customer commitment services	Include	-
xxxx		
xxxx		
Total		-
Account 456	Include	-
Other electric revenues	Include	-
Transmission Revenue - Firm	Include	-
Transmission Revenue - Non-Firm	Include	-
xxxx		-
Total		-
Total Account 454 and 456 included		-
Payments by PJM of the revenue requirement calculated on Rate Formula Template	Exclude	-

Total Account 454 and 456 included and excluded

Attachment 1 - Revenue Credit Workpaper PATH Allegheny Transmission Company, LLC

Account 454 - Rent from Electric Property 1 Rent from FERC Form No. 1 - Note 6

17 Line 15 plus line 16 18 Line 13 less line 17

2 Other Electric Revenues See Note 5 3 Schedule 1A 4 PTP Serv revs for which the load is not included in the divisor received by TO 5 PJM Transitional Revenue Neutrality (Note 1) 6 PJM Transitional Market Expansion (Note 1) 7 Professional Services (Note 3) 8 Revenues from Directly Assigned Transmission Facility Charges (Note 2) 9 Rent or Attachment Fees associated with Transmission Facilities (Note 3) 10 Gross Revenue Credits Sum lines 2-9 + line 1 11 Less line 20 less line 18 12 Total Revenue Credits line 10 + line 11 13 Revenues associated with lines 13 thru 18 are to be included in lines 1-9 and total of those revenues entered here 14 Income Taxes associated with revenues in line 15 15 One half margin (line 13 - line 14)/2

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 page 7, line 2 of Rate Formula Template.

All expenses (other than income taxes) associated with revenues in line 13 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.

- 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.
- 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). DLC will retain 50% of net revenues consistent with <u>Pacific Gas and Electric Company</u>, 90 FERC ¶ 61,314. Note: in order to use lines 15 20, 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).
- 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 are not included in the total above to the extent they are credited under Schedule 12.
- Note 5 Other electric Revenues includes revenues for various related electricity products/premium services such as surge protectors and appliance

Attachment 1 - Revenue Credit Workpaper PATH Allegheny Transmission Company, LLC

Note 6 All Account 454 and 456 Revenues must be itemized below

Account 454	Include	\$
Joint pole attachments - telephone	Include	-
Joint pole attachments - cable	Include	-
Underground rentals	Include	-
Transmission tower wireless rentals	Include	-
Other rentals	Include	-
Corporate headquarters sublease	Include	-
Misc non-transmission rentals	Include	-
Customer commitment services	Include	-
xxxx		
xxxx		
Total		-
Account 456	Include	-
Other electric revenues	Include	-
Transmission Revenue - Firm	Include	-
Transmission Revenue - Non-Firm	Include	-
XXXX		-
Total		-
Total Account 454 and 456 included		-
Payments by PJM of the revenue requirement calculated on Rate Formula Template	Exclude	-
Total Account 454 and 456 included and excluded		-

Attachment 2 has been removed and intentionally left blank.

Attachment 2 has been removed and intentionally left blank.

Attachment 3 - Calculation of Carrying Charges PATH West Virginia Transmission Company, LLC

1 Calculation of Composite Depreciation Rate

2	Transmission Plant @ Beginning of Period	(Attachment 4)	-
3	Transmission Plant @ End of Period	(Attachment 4)	
4	Sum	(sum lines 2 & 3)	-
5	Average Balance of Transmission Investment	(line 4/2)	-
6	Depreciation Expense	Rate Formula Template	
7	Composite Depreciation Rate	(line 6/ line 5)	0.00%
8	Depreciable Life for Composite Depreciation Rate	(1/line 7)	-
9	Round line 8 to nearest whole year		-

Attachment 3 - Calculation of Carrying Charges PATH Allegheny Transmission Company, LLC

1 Calculation of Composite Depreciation Rate

2	Transmission Plant @ Beginning of Period	(Attachment 4)	-
3	Transmission Plant @ End of Period	(Attachment 4)	
4	Sum	(sum lines 2 & 3)	-
5	Average Balance of Transmission Investment	(line 4/2)	-
6	Depreciation Expense	Rate Formula Template	_
7	Composite Depreciation Rate	(line 6/ line 5)	0.00%
8	Depreciable Life for Composite Depreciation Rate	(1/line 7)	-
9	Round line 8 to nearest whole year		-

Plant in Service Worksheet

		ons, Notes, Form 1 Page #s and Instru		
1	Calculation of Transmission Plant In Service	Source	Year	Bala
2	December	p206.58.b	2020	
3	January	company records	2021	
4	February		2021	
		company records		
5	March	company records	2021	19
6	April	company records	2021	
7	May	company records	2021	1
8	June	company records	2021	1.6
9	July	company records	2021	
10	August	company records	2021	100
11	September	company records	2021	
12	October	company records	2021	
13	November	company records	2021	
14	December	p207.58.g	2021	
15	Transmission Plant In Service	(sum lines 2-14) /13		
16	Calculation of Distribution Plant In Service	Source		
			0000	
17	December	p206.75.b	2020	
18	January	company records	2021	
19	February	company records	2021	10
20	March	company records	2021	
21	April	company records	2021	
22	May	company records	2021	
23	June	company records	2021	
24	July	company records	2021	
25	750 T 1 - 0		2021	
	August	company records		
26	September	company records	2021	
27	October	company records	2021	
28	November	company records	2021	1.3
29	December	p207.75.g	2021	
30	Distribution Plant In Service	(sum lines 17-29) /13		-
31	Calculation of Intangible Plant In Service	Source		
32	December	p204.5.b	2020	
33	December	p205.5.g	2021	
34	Intangible Plant In Service	(sum lines 32 & 33) /2	2021	
7		(2		
35	Calculation of General Plant In Service	Source		
36	December	p206.99.b	2020	
37	December			
38	General Plant In Service	p207.99.g (sum lines 36 & 37) /2	2021	
30	General Flant III Service	(sum lines 30 & 37)72		
39	Calculation of Production Plant In Service	Source		
40	December	p204.46b	2020	
41			2021	
	January	company records		
42	February	company records	2021	
43	March	company records	2021	
44	April	company records	2021	
45	May	company records	2021	
46	March	Attachment 6	2021	
47	April	company records	2021	
48	August	company records	2021	
49	September	company records	2021	
50	October	company records	2021	
51	November	company records	2021	
52	December	p205.46.g	2021	

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Attachment 4 - Cost Support PATH West Virginia Transmission Company, LLC

54	Calculation of Common Plant In Service	Source	Year	Balance
55	December (Electric Portion)	p356	2020	-
56	December (Electric Portion)	p356	2021	. A.
57	Common Plant In Service	(sum lines 55 & 56)	/2	5-47
58	Total Plant In Service	(sum lines 15, 30, 34	4, 38, 53, & 57)	441

Accumulated Depreciation Worksheet

50	Attachment A Line #s, Descriptions, I			
59	Calculation of Transmission Accumulated Depreciation	Source	Year	Baland
60	December	Prior year p219.25	2020	7 4 0
61	January	company records	2021	10
62	February	company records	2021	-
63	March	company records	2021	
64	April	company records	2021	(-)
65	May	company records	2021	8
66	June	company records	2021	-
67	July	company records	2021	-
68	August	company records	2021	(- €)
69	September	company records	2021	12
70	October	company records	2021	+
71	November	company records	2021	-
72	December	p219.25	2021	
73	Transmission Accumulated Depreciation	(sum lines 60-72) /13		- 2
74	Calculation of Distribution Accumulated Depreciation	Source		
75	December	Prior year p219.26	2020	_
76	January	company records	2021	(-)
77	February	company records	2021	2
78	March	company records	2021	-
79	April	company records	2021	
80	May	company records	2021	-
81	June	company records	2021	4.
82	July	company records	2021	-
83	August	company records	2021	-
84	September	company records	2021	
85	October	company records	2021	-
86	November	company records	2021	4
87	December	p219.26	2021	<u>.</u>
88	Distribution Accumulated Depreciation	(sum lines 75-87) /13		12
89	Calculation of Intangible Accumulated Depreciation	Source		
90	December	Prior year p200.21.c	2020	-
91	December	p200.21c	2021	
92	Accumulated Intangible Depreciation	(sum lines 90 & 91) /2	2021	7-1
02	Coloulation of Conoral Accomputated Devenieties	Course		
93	Calculation of General Accumulated Depreciation	Source	222	
94	December	Prior year p219.28	2020	18
95	December	p219.28	2021	+
96	Accumulated General Depreciation	(sum lines 94 & 95) /2		79-41

Attachment 4 - Cost Support PATH West Virginia Transmission Company, LLC

97	Calculation of Production Accumulated Depreciation	Source	Year	Balance
98	December	Prior year p219	2020	19
99	January	company records	2021	-
100	February	company records	2021	-
101	March	company records	2021	94.
102	April	company records	2021	
103	May	company records	2021	-
104	June	company records	2021	4
105	July	company records	2021	(4)
106	August	company records	2021	-
107	September	company records	2021	1.0
108	October	company records	2021	
109	November	company records	2021	1.0
110	December	p219.20 thru 219.24	2021	(4)
111	Production Accumulated Depreciation	(sum lines 98-110) /13		- (- p
112	Calculation of Common Accumulated Depreciation	Source		
113	December (Electric Portion)	p356	2020	
114	December (Electric Portion)	p356	2021	140
115	Common Plant Accumulated Depreciation (Electric Only)	(sum lines 113 & 114) /2		-
116	Total Accumulated Depreciation	(sum lines 73, 88, 92, 96, 11	1, & 115)	4

ADJUSTMENTS TO RATE BASE (Note A) Details Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions Average Balance Beginning of Year End of Year 117 Account No. 281 (enter negative) 273.8.k 0 118 Account No. 282 (enter negative) 275.2.k Account No. 283 (enter negative) 119 277.9.k (543,454)1,629,412 542,979 120 498,031 3,105,084 Account No. 190 234.8.c 5,712,136 121 Account No. 255 (enter negative) 267.8.h Per FERC Order 122 **Unamortized Abandoned Plant** Months Remaining In Amortization Amortization Additions Expense Period 123 **Monthly Balance** Beginning Balance (p114.10.c) (Deductions) **Ending Balance** Source 124 December p111.71.d (and Notes) 0 125 company records January 126 February company records 127 company records March 128 April company records 129 May company records 130 June company records 131 July company records 132 August company records 133 September company records 134 October company records 135 November company records p111.71.c (and Notes) Detail on p230b 136 December \$0.00 \$0.00 137 Ending Balance is a 13-Month Average (sum lines 124-136) /13 Appendix A Line 34 Appendix A Line 62 Note: Deductions resulting from gains or recoveries that exceed the unamortized balance are recorded in FERC Account 254, Other Regulatory Liabilities.

111.57.c

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Attachment 4 - Cost Support PATH West Virginia Transmission Company, LLC

alculation of Transmission CWIP	Source			Amos Substation Upgrade	Amos to Welton Spring Line	Welton Spring Substation and SVC	with PATH Allegheny	Total
ecember	216.b	2020	\$ 0.41	-	-	4	-	-
nuary	company records	2021		1.0	-		1. 2 .)	4
ebruary	company records	2021	7-2	_	-	· ·	1.2	- 20
arch	company records	2021	(4)	-		x è	₹	~
pril	company records	2021	14	(4)	-	2	1.5	-
ay	company records	2021	14 2 1	191	-	(-)	3	(-
ine	company records	2021	92	121	*	12 m	11.2	1. -
lly	company records	2021	141	-	-	12	46	-
ugust	company records	2021	1 - 1	-	2	-	114	-
eptember	company records	2021	9.4	121	-	-	10-60	
ctober	company records	2021) - (-	~	÷	2	
ovember	company records	2021	8-7	-	12	F-		÷
ecember	216.b	2021	9 4 44		-	9.5		4
ansmission CWIP	(sum lines 140-152) /13		- 1-			7 ·	7(2)	2

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Beg of year	End of Year	Average	Details
154	LAND HELD FOR FUTURE USE p214	Total	-	*	1.	
		Non-transmission Related Transmission Related	15		= 4.5	

EPRI Dues Cost Support

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and	d Instructions				Details
- 1	Ilocated General & Common Expenses					
					Common	
1000		EPRI Dues	Common Expenses	EPRI Dues	Expenses	
155	EPRI Dues & Common Expenses	p352-353	p356	-	4	

Regulatory Expense Related to Transmission Cost Support

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Transmission Related	Non-transmission Related	Details
156	Directly Assigned A&G	222 100 h				
156	Regulatory Commission Exp Account 928	p323.189.b	-	-	-	

Attachment 4 - Cost Support PATH West Virginia Transmission Company, LLC

Safety	Related Advertising	, Education and Out Reach Cost Support
-uice	reciated rate tioning	= adduction and out itodon occiouppoit

Salety Related Advertising, Education and Out Reach Cost Support		-	O-f-h-		
			Safety,		
			Education,		
			Siting &		
			Outreach		
Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Related	Other	Details
Directly Assigned A&G					
157 General Advertising Exp Account 930.1	p323.191.b	1.	-	12-15-15-15-15-15-15-15-15-15-15-15-15-15-	None

Multi-state Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions	State 1	State 2	State 3	State 4	State 5	Weighed Average
Income Tax Rates						
		WV				
158 SIT=State Income Tax Rate or Composite		6.500%				6.50%

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Note	s. Form 1 Page #s and Instructions	Excluded Transmission Facilities	Description of the Facilities
Adjustment to Remove Revenue Requirements Associated with Exclude			
9 Excluded Transmission Facilities		79	General Description of the Facilities
Instructions:		Enter \$	None
1 Remove all investment below 69 kV facilities, including the investment interconnection and local and direct assigned facilities for which separa transmission plant in service.			
2 If unable to determine the investment below 69kV in a substation with it	ovestment of 69 kV and higher as well as below 69 kV,	Or	
the following formula will be used:	Example	Enter \$	
A Total investment in substation	1,000,000	1400	
B Identifiable investment in Transmission (provide workpapers)	500,000	32	
C Identifiable investment in Distribution (provide workpapers)	400,000	121	
D Amount to be excluded (A x (C / (B + C)))	444,444	-	
			Add more lines if necessary

Materials & Supplies

tachm	ent A Line #s, Descriptions, Notes, Form 1 Page #s ar	nd Instructions	Beg of year	E	End of Year	Average	
160	Assigned to O&M	p227.6			-	The state of the s	
161	Stores Expense Undistributed	p227.16	4		-	÷	
62	Undistributed Stores Exp				-		
163	Transmission Materials & Supplies	p227.8				-	

Regulatory Asset

Attachm	ent A Line #s, Descriptions, Notes, Form 1 Page #s and Instruction	IS		The second secon
				Reference FERC Form 1 page 232 for details.
164	Beginning Balance of Regulatory Asset	p111.72.d (and notes)		Uncapitalized costs as of date the rates become effective
165	Months Remaining in Amortization Period		+	As approved by FERC
166	Monthly Amortization	(line 164 - line 168) / 167	4	
167	Months in Year to be amortized		41	Number of months rates are in effect during the calendar year
168	Ending Balance of Regulatory Asset	p111.72.c	- C	
169	Average Balance of Regulatory Asset	(line 164 + line 168)/2	7	

Attachment 4 - Cost Support PATH West Virginia Transmission Company, LLC

Capital Structure

Attachment A Line #s, De	scriptions, Notes, Form 1 Page #s a	nd Instructions				
Monthly Balances for Capital Structure		2	2.1			
January	Year	Debt	Preferred Stock	Common Stock		
January	2021		0	•	0	
February	2021		-	- 1	5 T	
March	2021		2	4	-	
April	2021		÷.	(. 	9	
May	2021		-	Q.	-	
June	2021		2.	4	2	
July	2021		-	4	-	
August	2021		-	4	-	
September	2021		100	4-	<u>.</u>	
October	2021		- 2	4	2	
November	2021		(2)	-	2	
December	2021			76	•	
December Average			0		0	

Detail of Account 566 Miscellaneous Transmission Expenses

			Total
185	Amortization Expense on Regulatory Asset		4
186	Miscellaneous Transmission Expense		-
	The production of the second s	Footnote Data: Schedule	
187	Total Account 566	Page 320 b. 97	2.

PBOPs

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instruc	ons	Details
188	Calculation of PBOP Expenses		
189	PATH-WV - AEP Employees		
190	Total PBOP expenses	\$117,254,159	
191	Amount relating to retired personnel	\$0	
192	Amount allocated on Labor	\$117,254,159	
193	Labor dollars	1,151,954,661	
194	Cost per labor dollar	\$0.102	
195	PATH WV labor (labor not capitalized) current year	23,788	
196	PATH WV PBOP Expense for current year	\$2,421	
197	PATH WV PBOP Expense in Account 926 for current year	-\$762	
198	PBOP Adjustment for Appendix A, Line 50	\$3,183	
199	Lines 190-194 cannot change absent approval or acceptance by FERC in a separate proceeding.		
199	PATH-WV - Allegheny Employees		
200	Total PBOP expenses	\$22,856,433	
201	Amount relating to retired personnel	\$8,786,372	
202	Amount allocated on FTEs	\$14,070,061	
203	Number of FTEs	4,474	
204	Cost per FTE	\$3,145	
205	PATH WV FTEs (labor not capitalized) current year		
206	PATH WV PBOP Expense for current year	\$0	
207	PATH WV PBOP Expense in Account 926 for current year	\$0	
208	PBOP Adjustment for Appendix A, Line 50	\$0	
209	Lines 200-204 cannot change absent approval or acceptance by FERC in a separate proceeding.		
210	PBOP Expense adjustment (sum lines 198 & 208)	\$3,183	

Plant in Service Worksheet

		criptions, Notes, Form 1 Page #s and Instru		
1	Calculation of Transmission Plant In Service	Source	Year	Balance
2	December	p206.58.b	2020	-
3	January	company records	2021	*
4	February	company records	2021	•
5	March	company records	2021	*
6	April	company records	2021	
7	May	company records	2021	-
8	June	company records	2021	
9	July	company records	2021	9
10	August	company records	2021	*
11	September	company records	2021	
12	October	company records	2021	÷0
13	November	company records	2021	
14	December	p207.58.g	2021	1,50
15	Transmission Plant In Service	(sum lines 2-14) /13		1977
16	Calculation of Distribution Plant In Service	Source		
17	December	p206.75.b	2020	(4)
18	January	company records	2021	
19	February	company records	2021	*
20	March	company records	2021	
21	April	company records	2021	-
22	May	company records	2021	19.1
23	June	company records	2021	~
24	July	company records	2021	+ 1
25	August	company records	2021	+
26	September	company records	2021	
27	October	company records	2021	-63
28	November	company records	2021	2
29	December	p207.75.g	2021	4
30	Distribution Plant In Service	(sum lines 17-29) /13	2021	-
		(2311111100 17 20)/110		
31	Calculation of Intangible Plant In Service	Source		
32	December	p204.5b	2020	0.1
33	December	p205.5.g	2021	
34	Intangible Plant In Service	(sum lines 32 & 33) /2		-
25	Calculation of Concest Blant In Consider	0		
35	Calculation of General Plant In Service	Source	12000	
36	December	p206.99.b	2020	*
37	December	p207.99.g	2021	-
38	General Plant In Service	(sum lines 36 & 37) /2		
		2-2-2		
39	Calculation of Production Plant In Service	Source		
40	December	p204.46b	2020	
41	January	company records	2021	
42	February	company records	2021	
43	March	company records	2021	4.0
44	April	company records	2021	-
45	May	company records	2021	
46	March	Attachment 6	2021	_
47	April	company records	2021	-
48	August	company records	2021	4
49	September	company records	2021	121
50	October	company records	2021	-
51	November	company records	2021	-
52 53	December Plant to Consider	p205.46.g	2021	
0.5	Production Plant In Service	(sum lines 40-52) /13		-

54	Calculation of Common Plant In Service	Source	Year	Balance
55	December (Electric Portion)	p356	2020	•
56	December (Electric Portion)	p356	2021	.2.
57	Common Plant In Service	(sum lines 55 & 56) /2		3
58	Total Plant In Service	(sum lines 15, 30, 34, 38,	53 & 57)	- 2

Accumulated Depreciation Worksheet

		ns, Notes, Form 1 Page #s and Instruc		
	Calculation of Transmission Accumulated Depreciation	Source	Year	Balance
)	December	Prior year p219.25	2020	
	January	company records	2021	÷ .
	February	company records	2021	i.e.
	March	company records	2021	
1	April	company records	2021	
	May	company records	2021	(e)
5	June	company records	2021	14.7
	July	company records	2021	
	August	company records	2021	4.1
	September	company records	2021	, c
n I	October	company records	2021	2
	November	company records	2021	A
2	December	p219.25	2021	
3	Transmission Accumulated Depreciation	(sum lines 60-72) /13	2021	
	Transmission Accumulated Depreciation	(3411 11103 00-72) 710		7
	Calculation of Distribution Accumulated Depreciation	Source		
	December	Prior year p219.26	2020	
1	January	company records	2021	
	February	company records	2021	-
	March	company records	2021	4
	April	company records	2021	2
	May	company records	2021	
	June	company records	2021	2
2	July	company records	2021	5
3	August	company records	2021	4.0
1	September	company records	2021	-
5	October	company records	2021	4.1
5	November	company records	2021	
7				
	December Pictribution Assumulated Pennsaistics	p219.26	2021	200
	Distribution Accumulated Depreciation	(sum lines 75-87) /13		
)	Calculation of Intangible Accumulated Depreciation	Source		
)	December	Prior year p200.21.c	2020	150
	December Assumulated Intermible Penns sisting	p200.21c	2021	*
2	Accumulated Intangible Depreciation	(sum lines 90 & 91) /2		-
3	Calculation of General Accumulated Depreciation	Source		
1	December	Prior year p219.28	2020	1.5
	December	p219.28	2021	
5			2021	(*)
Acci	umulated General Depreciation	(sum lines 94 & 95) /2		

97	Calculation of Production Accumulated Depreciation	Source	Year	Balance
98	December	Prior year p219	2020	-
99	January	company records	2021	
100	February	company records	2021	*
101	March	company records	2021	G.
102	April	company records	2021	-
103	May	company records	2021	(+)
104	June	company records	2021	
105	July	company records	2021	
106	August	company records	2021	9
107	September	company records	2021	(+)
108	October	company records	2021	+
109	November	company records	2021	-2-
110	December	p219.20 thru 219.24	2021	
111	Production Accumulated Depreciation	(sum lines 98-110) /13		
112	Calculation of Common Accumulated Depreciation	Source		
113	December (Electric Portion)	p356	2020	(2)
114	December (Electric Portion)	p356	2021	4
115	Common Plant Accumulated Depreciation (Electric Only)	(sum lines 113 & 114) /2		1
116	Total Accumulated Depreciation	(sum lines 73, 88, 92, 96, 111,	& 115)	12

	7 1110 110 110 110 110 110	scriptions, Notes, Form 1 Page #s and I	Beginning of Year	End of Year	Average Balance			Details
17	Account No. 281 (enter negative)	273.8.k	beginning or real	Lift of Teal	Average balance			
	Account No. 287 (enter negative) Account No. 282 (enter negative)	275.2.k			1.55			
18 19	Account No. 283 (enter negative)	277.9.k	· ·	Ē.	150			
20	Account No. 190	234.8.c	(120,290)	544,116	- 211,913			
21	Account No. 255 (enter negative)	267.8.h	(120,290)	344,110	211,913			
21	Account No. 255 (enter negative)	207.5.11						
22	Unamortized Abandoned Plant	Per FERC Order						
44.	Laborator American		Months Remaining In	Additional Sections	Amortization Expense	Additions		
3	Monthly Balance	Source	Amortization Period	BegInning Balance	(p114.10.c)	(Deductions)	Ending Balance	
24	December	p111.71.d (and Notes)	0				_	
25	January	company records		-) <u>+</u>	-		
26	February	company records		-	14	(-)	(20)	
27	March	company records		-	17	(-)		
8	April	company records		, -	1 3	-		
29	May	company records			3 2	-	840	
30	June	company records		-		-	-01	
31	July	company records		-	4.5		-	
32	August	company records		-	7-	-	res l	
33	September	company records		-	7-5.	0.00		
34	October	company records		1.00	1.2	-	12.0	
35	November	company records		115	12	0 8 0	. <u>+</u> :	
		p111.71.c (and Notes)						
36	December	Detail on p230b		1.4				
37	Ending Balance is a 13-Month Average	(sum lines 124-136) /13			\$0.00	- 0	\$0.00	
					Appendix A Line 62		Appendix A Line 34	
e: De	ductions resulting from gains or recoveries that exceed	the unamortized balance are recorded	in FERC Account 254, Other	er Regulatory Liabilities				

Kemptown to

						with PATH West	Welton Spring		
9	Calculation of Transmission CWIP	Source			Kemptown Substation		Substation and SVC	Total	
0	December	216.b	2020	\$	Section Section (Section (Sect		of the Friday of the Care of the	10000	
	January	company records	2021	-					
	February	company records	2021	-					
	March	company records	2021						
	April	company records	2021		1				
	May	company records	2021	-					
	June	company records	2021	_					
	July	company records	2021	-					
	August	company records	2021						
	September	company records	2021	=					
	October	company records	2021		l				
	November	company records	2021	-					
	December	216.b	2021	-					
	Transmission CWIP	(sum lines 140-152) /13	2021				100		
	Transmission evin	(3411 11103 140 102) / 10							
) НЕ	LD FOR FUTURE USE								
	Attachment A Line #s, [Descriptions, Notes, Form 1 Page #s and Ir			Beg of year	End of Year	Average		Details
		Descriptions, Notes, Form 1 Page #s and Ir	nstructions p214	Total Non-transmission Related Transmission Related		End of Year	Average -		Details
	Attachment A Line #s, I LAND HELD FOR FUTURE USE	Descriptions, Notes, Form 1 Page #s and Ir		Non-transmission Related					Details
Due	Attachment A Line #s, [LAND HELD FOR FUTURE USE s Cost Support Attachment A Line #s, [Descriptions, Notes, Form 1 Page #s and Ir Descriptions, Notes, Form 1 Page #s and Ir	p214	Non-transmission Related					Details Details
Due	Attachment A Line #s, I LAND HELD FOR FUTURE USE s Cost Support		p214	Non-transmission Related		*			
Due	Attachment A Line #s, [LAND HELD FOR FUTURE USE s Cost Support Attachment A Line #s, [p214	Non-transmission Related Transmission Related	÷	Common			
Due	Attachment A Line #s, I LAND HELD FOR FUTURE USE s Cost Support Attachment A Line #s, I ocated General & Common Expenses		p214 nstructions EPRI Dues	Non-transmission Related Transmission Related Common Expenses		*			
Due	Attachment A Line #s, [LAND HELD FOR FUTURE USE s Cost Support Attachment A Line #s, [p214	Non-transmission Related Transmission Related	÷	Common Expenses			
Due	Attachment A Line #s, I LAND HELD FOR FUTURE USE S Cost Support Attachment A Line #s, I ocated General & Common Expenses EPRI Dues & Common Expenses		p214 nstructions EPRI Dues	Non-transmission Related Transmission Related Common Expenses	EPRI Dues	Common Expenses			
Due	Attachment A Line #s, I LAND HELD FOR FUTURE USE S Cost Support Attachment A Line #s, I ocated General & Common Expenses EPRI Dues & Common Expenses y Expense Related to Transmission Cost Support	Descriptions, Notes, Form 1 Page #s and Ir	p214 nstructions EPRI Dues p352-353	Non-transmission Related Transmission Related Common Expenses	EPRI Dues	Common Expenses Transmission	Non-transmission		Details
I Due	Attachment A Line #s, I LAND HELD FOR FUTURE USE S Cost Support Attachment A Line #s, I ocated General & Common Expenses EPRI Dues & Common Expenses y Expense Related to Transmission Cost Support Attachment A Line #s, I		p214 nstructions EPRI Dues p352-353	Non-transmission Related Transmission Related Common Expenses	EPRI Dues	Common Expenses			
A A	Attachment A Line #s, I LAND HELD FOR FUTURE USE S Cost Support Attachment A Line #s, I ocated General & Common Expenses EPRI Dues & Common Expenses y Expense Related to Transmission Cost Support	Descriptions, Notes, Form 1 Page #s and Ir	p214 nstructions EPRI Dues p352-353	Non-transmission Related Transmission Related Common Expenses	EPRI Dues	Common Expenses Transmission	Non-transmission		Details

Safety Related Advertising, Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Form 1 Amount	Safety, Education, Siting & Outreach Related	Other	Details
Directly Assigned A&G					
157 General Advertising Exp Account 930.1	p323.191.b	14		4.1	None

Multi	i-sta	te V	Vor	chane

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions	State 1	State 2	State 3	State 4	State 5	Weighed Average
Income Tax Rates						
	MD	WV	VA			
158 SIT=State Income Tax Rate or Composite	8.250%	6.500%	6.000%			2.764%

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, No	otes. Form 1 Page #s and Instructions	Excluded Transmission Facilities	Description of the Facilities
Adjustment to Remove Revenue Requirements Associated with Exclud			
Excluded Transmission Facilities		96	General Description of the Facilities
Instructions:		Enter \$	None
	located to distribution of a dual function substation, generator, interconnection and and step-up generation substation included in transmission plant in service.		
2 If unable to determine the investment below 69kV in a substation with in	vestment of 69 kV and higher as well as below 69 kV.	Or	
the following formula will be used:	Example	Enter \$	
A Total investment in substation	1,000,000		
B Identifiable investment in Transmission (provide workpapers)	500,000	14	
C Identifiable investment in Distribution (provide workpapers)	400,000	1/4	
D Amount to be excluded (A x (C / (B + C)))	444,444	11-01	
	1, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1		Add more lines if necessary

Materials & Supplies

ttachment A Line #s, Descriptions, Notes, Form 1 Page #s	and Instructions	Beg of year	End of Year	Average
160 Assigned to O&M	p227.6		125	2,1
161 Stores Expense Undistributed	p227.16	-		
162 Undistributed Stores Exp		1 9	- 5	10-201
163 Transmission Materials & Supplies	p227.8		2.0	41

Regulatory Asset

ttachm	ent A Line #s, Descriptions, Notes, Form 1 Page #s and Instru	uctions		
164	Beginning Balance of Regulatory Asset	p111.72.d (and notes)	* T	Reference FERC Form 1 page 232 for details. Uncapitalized costs as of date the rates become effective
165	Months Remaining in Amortization Period		2	As approved by FERC
166	Monthly Amortization	(line 164 - line 168) / 167	÷	
67	Months in Year to be Amortized		÷	Number of months rates are in effect during the calendar year
68	Ending Balance of Regulatory Asset	p111.72.c	4	
169	Average Balance of Regulatory Asset	(line 164 + line 168)/2	21	

Attachment 4 - Cost Support

Capital Structure

	Attachment A Line #s,	Descriptions, Notes, Form 1 Page #	s and Instructions					
170 Mc	onthly Balances for Capital Structure							
171		Year	Debt	Preferred Stock	Common Stock			
172	January	2021		0	-	0		
173	February	2021		4	20			
174	March	2021			20	100		
175	April	2021		4		-		
176	May	2021				··		
177	June	2021		÷ .	-0	-		
178	July	2021		- -	-	ri e		
179	August	2021		+	-	-		
180	September	2021		7 -		-		
181	October	2021		÷		-		
182	November	2021		-				
183	December	2021		+		15		
184	Average			0	2	0		

Detail of Account 566 Miscellaneous Transmission Expenses

Macrimi	ent A Line #s, Descriptions, Notes, Form 1 Page #s and In	Structions		
			Total	
185	Amortization Expense on Regulatory Asset			
186	Miscellaneous Transmission Expense		11,934	
		Footnote Data: Schedule		
187	Total Account 566	Page 320 b. 97	11,934	

	Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instruc	tions	
88	Calculation of PBOP Expenses		
	PATH - Allegheny - Allegheny Employees		
90	Total PBOP expenses	\$22,856,433	
1	Amount relating to retired personnel	\$8,786,372	
92	Amount allocated on FTEs	\$14,070,061	
3	Number of FTEs	4,475	
4	Cost per FTE	\$3,144	
5	PATH Allegheny FTEs (labor not capitalized) current year		
6	PATH Allegheny PBOP Expense for current year	\$0	
7	PATH Allegheny PBOP Expense in Account 926 for current year	\$0	
8	PBOP Adjustment for Appendix A, Line 50		
99	Lines 190-194 cannot change absent approval or acceptance by FERC in a separate proceeding.		

Attachment 5 - Transmission Enhancement Charge Worksheet PATH West Virginia Transmission Company, LLC

1		New Plant Carrying C	Charge							
2		Formula Line	Item				Ì			
3		5	NET REVENUE	REQUIREMENT		362,265				
4		21	NET TRANSMIS	SION PLANT IN SE	RVICE					
5			CWIP			40				
6			Unamortized Al	pandoned Plant						
7		V	The state of the s	(line 3/sum of line	es 4, 5 and 6)	5.9.4				
8		The FCR resulting fi Therefore actual rev					(4) ent years	(5)	(6)	(7)
						РЈМ	Upgrade ID: b0490 & b	0491		7.7
10		Details		Amos Substation Upgrade - CWIP	Amos to Midpoint Line - CWIP	Midpoint Substation and SVC - CWIP	Midpoint to Interconnection with PATH Allegheny - CWIP	Transmission Plant In Service	Unamortized Abandoned Plant	Totals
10		Details		opgrade - Offin	Line - OWII	and over own	Allegiterry - CVVII	T Idill III Oct VICE	Abandoned Flant	TOTALS
11	"Yes" if a project under PJM OATT Schedule 12, otherwise "No"	Schedule 12	(Yes or No)	Yes	Yes	Yes		Yes	Yes	
12		FCR for This Project		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
13	year net transmission plant plus 13-mo CWIP balances. Reconciliation – Average of 13 month prior year net transmission plant balances plus prior year 13-mo CWIP balances.	Investment Revenue		0		-		+		
		Requirement			4	+			-	362,265

Attachment 5 - Transmission Enhancement Charge Worksheet PATH Allegheny Transmission Company, LLC

1 2 3 4 5 6 7		21 32 34	Item NET REVENUE NET TRANSMIS CWIP Unamortized Al	SION PLANT IN SER		127,402 - - - -			
8 9		The FCR resulting from Therefore actual revo				(3) ata for subseq	(4) uent years	(5)	(6)
						PJM Upgra	de ID: b0492 & b050	60	
10		Details		Kemptown Substation - CWIP	Kemptown to Interconnection with PATH West Virginia - CWIP	Welton Spring Substation and SVC - CWIP	Transmission Plant In Service	Unamortized Abandoned Plant	Totals
	"Yes" if a project under PJM OATT Schedule 12,								
11 12	otherwise "No"	Schedule 12 FCR for This Project	(Yes or No)	Yes 0.0%	Yes 0.0%	Yes 0.0%	Yes 0.0%	Yes 0.0%	
13	year net transmission plant plus 13-mo CWIP balances. Reconciliation – Average of 13 month prior year net transmission plant balances plus prior year 13-mo CWIP balances.								12
		Revenue Requirement			T				127,402

Attachment 6 has been removed and intentionally left blank.

Attachment 6 has been removed and intentionally left blank.

Potomac-Appalachian Transmission Highline, LLC CALCULATION OF COST OF DEBT AFTER CONSTRUCTION PHASE YEAR ENDED 12/31/2014

Attachment 7 PATH West Virginia Transmission Company, LLC

(HYPOTHETICAL EXAMPLE)

	Amount Outstanding	Unamortized Debt Issue Expense	Unamortized Debt Premium/ (Discount)	Unamortized Losses on Reacquired Debt	Net Amount Outstanding	Effective Cost Rate ¹	Annualized Cost				
<u>Debt:</u> <u>First Mortgage Bonds:</u>	\$ 300,000,000	\$2,900,000	(\$2,320,000)	\$0	\$294,780,000	#N/A	#N/A				
Other Long Term Debt: 6.600% Series Medium Term Notes Due 2021	\$ 200,000,000	\$1,800,000		-	\$198,200,000	#N/A	#N/A				
Total Debt	\$ 500,000,000	\$ 4,700,000 \$ (1,131,082)	\$ (2,320,000)		\$ 492,980,000	#N/A	#N/A				
Check with FERC Form 1 B/S pgs 110-113	3 \$ 185,750,000	\$ (1,131,082)	\$ (1,595,909)	\$ 17,075,452							
Development of Effective Cost Rates:	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss on Reacquired Debt	Net Proceeds	Net Proceeds Ratio	Coupon Rate	Effective Cost Rate	Annual Interest
First Mortgage Bonds 7.090% Series Due 2041	1/1/2014	6/30/2044	\$ 300,000,000	\$ (2,400,000)	\$ 3,000,000	-	\$ 294,600,000	98.2000	0.07090	#N/A	\$ 21,270,000
Other Long Term Debt: 6.600% Series Medium Term Notes Due 2021	01/01/2014	06/30/2024	200,000,000		2,000,000		\$ 198,000,000	99.0000	0.06600	#N/A	13,200,000
			\$ 500,000,000	(2,400,000)	\$ 5,000,000	-	\$ 492,600,000				\$ 34,470,000

¹ The Effective Cost Rate is the Debt Cost shown on Page 5, Line 118 of Rate Formula Template.

Potomac-Appalachian Transmission Highline, LLC CALCULATION OF COST OF DEBT AFTER CONSTRUCTION PHASE YEAR ENDED 12/31/2014

Attachment 7 PATH Allegheny Transmission Company, LLC

(HYPOTHETICAL EXAMPLE)

Debt:	Amount Outstanding	Unamortized Debt Issue Expense	Unamortized Debt Premium/ (Discount)	Unamortized Losses on Reacquired Debt	Net Amount Outstanding	Effective Cost Rate ¹	Annualized Cost				
First Mortgage Bonds:	\$ 300,000,000	\$2,900,000	(\$2,320,000)	\$0	\$294,780,000	#N/A	#N/A				
Other Long Term Debt: 6.600% Series Medium Term Notes Due 2021	\$ 200,000,000	\$1,800,000		-	\$198,200,000	#N/A	#N/A				
Total Debt Check with FERC Form 1 B/S pgs 110-113	\$ 500,000,000 \$ 185,750,000	\$ 4,700,000 \$ (1,131,082)	\$ (2,320,000) \$ (1,595,909)		\$ 492,980,000	#N/A	#N/A				
Development of Effective Cost Rates:	Issue Date	Maturity Date	Amount Issued	(Discount) Premium at Issuance	Issuance Expense	Loss on Reacquired Debt	Net Proceeds	Net Proceeds Ratio	Coupon Rate	Effective Cost Rate	Annual Interest
First Mortgage Bonds 7.090% Series Due 2041	1/1/2014	6/30/2044	\$ 300,000,000	\$ (2,400,000)	\$ 3,000,000	-	\$ 294,600,000	98.2000	0.07090	#N/A	\$21,270,000
Other Long Term Debt: 6.600% Series Medium Term Notes Due 2021	01/01/2014	06/30/2024	200,000,000	(0.400.000)	2,000,000		\$ 198,000,000	99.0000	0.06600	#N/A	13,200,000
			\$ 500,000,000	(2,400,000)	\$ 5,000,000	·	\$ 492,600,000				\$ 34,470,000

¹ The Effective Cost Rate is the Debt Cost shown on Page 10, Line 118 of Rate Formula Template.

Attachment 8 Potomac-Appalachian Transmission Highline, LLC Interest Rates and Interest Calculations PATH West Virginia Transmission Company, LLC

Reconciliation Revenue
Requirement For Year 2019
Available
June 1, 2020
\$631,169

2019 Revenue Requirement Forecast by Sept 4, 2018 \$806,046

True-up Adjustment -Over (Under) Recovery

\$174,877

Interest Rate on Amount of from 35.19a	Refunds or Surcharges	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.4195%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection	will be recovered prorata over 20	19, held for 2020 and returned prorate	e over 2021				
Coloulation of Interest					Monthly		
Calculation of Interest	Year 2019	14,573	0.4195%	12	Monthly (734)		(15,307
January February	Year 2019	14,573	0.4195%	11			(15,307
March	Year 2019	14,573	0.4195%	10			
April	Year 2019	14,573	0.4195%	9	7.75		(15,18 ⁴ (15,123
(2-1-)	Year 2019	14,573	0.4195%				
May	Year 2019	14,573	0.4195%	8			(15,062
lune	Year 2019	14,573	0.4195%	1	(428)		(15,001
luly				6			(14,940
August	Year 2019	14,573	0.4195%	5			(14,879
September	Year 2019	14,573	0.4195%	4			(14,818
October	Year 2019	14,573	0.4195%	3			(14,756
Vovember	Year 2019	14,573	0.4195%	2			(14,695
December	Year 2019	14,573	0.4195%		(61) (4,768)		(14,634 (179,645
					Annual		
January through December	Year 2020	(179,645)	0.4195%	12	(9,043)		(188,689
Over (Under) Recovery Plus	Interest Amortized and Recovere	d Over 12 Months			Monthly		
January	Year 2021	188,689	0.4195%		(792)	16,156	(173,324
ebruary	Year 2021	173,324	0.4195%		(727)	16,156	(157,895
March	Year 2021	157,895	0.4195%		(662)	16,156	(142,401
April	Year 2021	142,401	0.4195%		(597)	16,156	(126,843
May	Year 2021	126,843	0.4195%		(532)	16,156	(111,219
lune	Year 2021	111,219	0.4195%		(467)	16,156	(95,529
luly	Year 2021	95,529	0.4195%		(401)	16,156	(79,774
August	Year 2021	79,774	0.4195%		(335)	16,156	(63,952
September	Year 2021	63,952	0.4195%		(268)	16,156	(48,065
October	Year 2021	48,065	0.4195%		(202)	16,156	(32,110
November	Year 2021	32,110	0.4195%		(135)	16,156	(16,089
December	Year 2021	16,089	0.4195%		(67)	16,156	(0
					(5,185)		
rue-Up Adjustment with Inter	est					(193,873)	
Less Over (Under) Recovery						174,877	
Total Interest						(18,996)	

Attachment 8 Potomac-Appalachian Transmission Highline, LLC Example of Interest Rates and Interest Calculations PATH Allegheny Transmission Company, LLC

Reconciliation Revenue
Requirement For Year 2019
Available
June 1, 2020
\$226,068

2019 Revenue Requirement Forecast by Sept 4, 2018 \$222,174

True-up Adjustment -Over (Under) Recovery (\$3,894)

Interest Rate on Amount of from 35.19a	Refunds or Surcharges	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.4195%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection	will be recovered prorata over 20°	19, held for 2020 and returned prorate	e over 2021				
Calculation of Interest					Monthly		
Calculation of Interest	Year 2019	(325)	0.4195%	12	Monthly 16		34
January Johnnan	Year 2019		0.4195%	11			30
ebruary		(325)					3:
/larch	Year 2019	(325)	0.4195%	10			
pril	Year 2019	(325)	0.4195%	9			3
May	Year 2019	(325)	0.4195%	8			3
une	Year 2019	(325)	0.4195%	7	10		3
uly	Year 2019	(325)	0.4195%	6			3
ugust	Year 2019	(325)	0.4195%	5			3
eptember	Year 2019	(325)	0.4195%	4	5		3
october	Year 2019	(325)	0.4195%	3			3
ovember	Year 2019	(325)	0.4195%	2	3		3
ecember ecember	Year 2019	(325)	0.4195%	1	106		3 4,0
January through December	Year 2020	4,000	0.4195%	12	Annual 201		4,2
Down (Harden) Bereinen Blos	Internal Amendian Journal December	d Occar 40 Manualla			Manuela		
	Interest Amortized and Recovere		0.44050/		Monthly	(200)	2.0
anuary	Year 2021	(4,202)	0.4195%		18	(360)	3,8
ebruary	Year 2021	(3,859)	0.4195%		16	(360)	3,5
March	Year 2021	(3,516)	0.4195%		15	(360)	3,1
April .	Year 2021	(3,171)	0.4195%		13	(360)	2,8
May	Year 2021	(2,824)	0.4195%		12	(360)	2,4
une	Year 2021	(2,477)	0.4195%		10	(360)	2,1
uly	Year 2021	(2,127)	0.4195%		9	(360)	1,7
ugust	Year 2021	(1,776)	0.4195%		7	(360)	1,4
eptember	Year 2021	(1,424)	0.4195%		6	(360)	1,0
october	Year 2021	(1,070)	0.4195%		4	(360)	7
lovember	Year 2021	(715)	0.4195%		3	(360)	. 3
December	Year 2021	(358)	0.4195%		115	(360)	
	×1.50						
Frue-Up Adjustment with Inter	est					4,317	
ess Over (Under) Recovery						(3,894)	
Total Interest						\$ 423	

Potomac-Appalachian Transmission Highline, LLC Attachment 9 - Hypothetical Example of Final True-Up of Interest Rates and Interest Calculations for the Construction Loan

Applicable to both PATH West Virginia Transmission Company, LLC & PATH Allegheny Transmission Company, LLC

To be Prepared on 8/15/2013 (hypothetical date)

			SUMMARY					
			Hypoth	etical Revenue Requir	reme	nt		
YEAR	Estimated Effective cost of debt used in forecast/true up	Final Effective cost of debt for the construction loan:	Based on Estimated Effective cost of debt	Based on Actual Effective cost of debt		Over (Under) Recovery	Hypothetical Monthly Interest Rate applicable over the ATRR period	Total Amount of Construction Loan Related True-Up included in rates effective Jan 2014 (Refund)/Owed
2008	7.18%	7.00%	\$ 2,500,000.00	\$ 2,400,000.00	\$	100,000.00	0.550%	\$ (148,288.33
2009	6.8%	7.00%	\$5,000,000.00	\$5,150,000.00	\$	(150,000.00)	0.560%	\$ 209,670.43
2010	7.2%	7.00%	\$8,300,000.00	\$8,200,000.00	\$	100,000.00	0.540%	\$ (131,109.09
2011	7.3%	7.00%	\$12,300,000.00	\$12,000,000.00	\$	300,000.00	0.580%	\$ (368,656.73
2012*	7.1%	6.83%	\$18,000,000.00	\$17,900,000.00	\$	100,000.00	0.570%	\$ (114,946.28
2013**	6.50%	6.50%	\$25,000,000.00	\$25,000,000.00	\$	-		
2014**	6.50%	6.50%						\$ (553,329.99
ssumes that the constri	uction loan is retired on Sept 1, 2012							
	bt structure is put in place on Sept 1, 2012 with	h effective rate of 6.5%						
			st of debt for 2012 is com	nuted as follows: ((7%*24	3days)+(6.5%*122days))	/365days	
	08 - 2012, with the true-up amount included in		st of debt for 2012 is com	puted as follows: ((7%*24	3days	;)+(6.5%*122days))/	/365days	

	Calculation of Applicable I	nterest Expense for	each ATRR period			
		Hypothetical Monthly				Surcharge (Refund)
Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Interest Rate	Months	Calculated Interest	Amortization	Owed

An over or under collection w	ill be recovered prorata over 2008, held for 20	09, 2010, 2011, 2012, 2013 and returned prora	te over 2014		Monthly		
January -	Year 2008	€.	0.5500%	12.00	195		-
February	Year 2008	1000	0.5500%	11.00	-		30.50
March	Year 2008	10,000	0.5500%	10.00	(550)		(10,550
April	Year 2008	10,000	0.5500%	9.00	(495)		(10,495
May	Year 2008	10,000	0.5500%	8.00	(440)		(10,440
June	Year 2008	10,000	0.5500%	7.00	(385)		(10,385
July	Year 2008	10,000	0.5500%	6.00	(330)		(10,330)
August	Year 2008	10,000	0.5500%	5.00	(275)		(10,275)
September	Year 2008	10,000	0.5500%	4.00	(220)		(10,220)
October	Year 2008	10,000	0.5500%	3.00	(165)		(10,165)
November	Year 2008	10,000	0.5500%	2.00	(110)		(10,110)
December	Year 2008	10,000	0.5500%	1.00	(55)		(10,055)
					(3,025)		(103,025
					Annual		
January through December	Year 2009	(103,025)	0.5600%	12.00	(6,923)		(109,948
January through December	Year 2010	(109,948)	0.5400%	12.00	(7,125)		(117,073
January through December	Year 2011	(117,073)	0.5800%	12.00	(8,148)		(125,221
January through December	Year 2012	(125,221)	0.5700%	12.00	(8,565)		(133,786
January through December	Year 2013	(133,786)	0.5700%	12.00	(9,151)		(142,937
Over (Under) Recovery Plus Ir	terest Amortized and Recovered Over 12 Mo	nths .			Monthly		
January	Year 2014	142,937	0.5700%		(815)	(12,357)	(131,395)
February	Year 2014	131,395	0.5700%		(749)	(12,357)	(119,786)
March	Year 2014	119,786	0.5700%		(683)	(12,357)	(108,112)
April	Year 2014	108,112	0.5700%		(616)	(12,357)	(96,371)
May	Year 2014	96,371	0.5700%		(549)	(12,357)	(84,563)
June	Year 2014	84,563	0.5700%		(482)	(12,357)	(72,687)
July	Year 2014	72,687	0.5700%		(414)	(12,357)	(60,744)
August	Year 2014	60,744	0.5700%		(346)	(12,357)	(48,733
September	Year 2014	48,733	0.5700%		(278)	(12,357)	(36,653)
October	Year 2014	36,653	0.5700%		(209)	(12,357)	(24,505
November	Year 2014	24,505	0.5700%		(140)	(12,357)	(12,287
December	Year 2014	12,287	0.5700%		(70)	(12,357)	0
	and the state of t				(5,351)	1 1 1	
	577. ALC:124					339222237	
Total Amount of True-Up Adjusti	ment for 2008 ATRR				\$	(148,288)	
Less Over (Under) Recovery					\$	100,000	
Total Interest					\$	(48,288)	

Potomac-Appalachian Transmission Highline, LLC Attachment 9 - Hypothetical Example of Final True-Up of Interest Rates and Interest Calculations for the Construction Loan

Applicable to both PATH West Virginia Transmission Company, LLC & PATH Allegheny Transmission Company, LLC

An over or under collection wi	II be recovered prorata over 2009, held for 20	10, 2011, 2012, 2013 and returned prorate ove	r 2014		Monthly		
January	Year 2009	(12,500)	0.5600%	12.00	840		13,340
ebruary	Year 2009	(12,500)	0.5600%	11.00	770		13,270
larch	Year 2009	(12,500)	0.5600%	10.00	700		13,200
pril	Year 2009	(12,500)	0.5600%	9.00	630		13,130
lay	Year 2009	(12,500)	0.5600%	8.00	560		13,060
une	Year 2009	(12,500)	0.5600%	7.00	490		12,990
ıly	Year 2009	(12,500)	0.5600%	6.00	420		12,920
ugust	Year 2009	(12,500)	0.5600%	5.00	350		12,850
eptember	Year 2009	(12,500)	0.5600%	4.00	280		12,780
ctober	Year 2009	(12,500)	0.5600%	3.00	210		12,710
ovember	Year 2009	(12,500)	0.5600%	2.00	140		12,640
ecember	Year 2009	(12,500)	0.5600%	1.00	70		12,570
					5,460		155,460
					Annual		
anuary through December	Year 2010	155,460	0.5400%	12.00	10,074		165,534
anuary through December	Year 2011	165,534	0.5800%	12.00	11,521		177,055
anuary through December	Year 2012	177,055	0.5700%	12.00	12,111		189,166
anuary through December	Year 2013	189,166	0.5700%	12.00	12,939		202,104
•	terest Amortized and Recovered Over 12 Mor		0.57000/		Monthly	17 470	105 704
anuary	Year 2014	(202,104)	0.5700%		1,152	17,473	185,784
ebruary	Year 2014	(185,784)	0.5700%		1,059	17,473	169,370
March	Year 2014	(169,370)	0.5700%		965	17,473	152,863
pril	Year 2014	(152,863)	0.5700%		871	17,473	136,262
lay	Year 2014	(136,262)	0.5700%		777	17,473	119,566
une	Year 2014	(119,566)	0.5700%		682	17,473	102,775
uly	Year 2014	(102,775)	0.5700%		586	17,473	85,888
ugust	Year 2014	(85,888)	0.5700%		490	17,473	68,905
eptember	Year 2014	(68,905)	0.5700%		393	17,473	51,826
ctober	Year 2014	(51,826)	0.5700%		295	17,473	34,649
lovember	Year 2014	(34,649)	0.5700%		197	17,473	17,374
December	Year 2014	(17,374)	0.5700%		<u>99</u> 7,566	17,473	(0)
otal Amount of True-Up Adjustn	nent for 2009 ATRR				¢	209,670	
ess Over (Under) Recovery	HOREIOI 2007 ATTAI				φ φ	(150,000)	
otal Interest					Ψ	59,670	

Calculation of Interest for	2010 True-Un Period						
	<u> </u>	2011, 2012, 2013 and returned prorate over 2014	Į.		Monthly		
January	Year 2010	8,333	0.5400%	12.00	(540)		(8,873)
February	Year 2010	8,333	0.5400%	11.00	(495)		(8,828)
March	Year 2010	8,333	0.5400%	10.00	(450)		(8,783)
April	Year 2010	8,333	0.5400%	9.00	(405)		(8,738)
May	Year 2010	8,333	0.5400%	8.00	(360)		(8,693)
June	Year 2010	8,333	0.5400%	7.00	(315)		(8,648)
July	Year 2010	8,333	0.5400%	6.00	(270)		(8,603)
August	Year 2010	8,333	0.5400%	5.00	(225)		(8,558)
September	Year 2010	8,333	0.5400%	4.00	(180)		(8,513)
October .	Year 2010	8,333	0.5400%	3.00	(135)		(8,468)
November	Year 2010	8,333	0.5400%	2.00	(90)		(8,423)
December	Year 2010	8,333	0.5400%	1.00	(45)		(8,378)
					(3,510)		(103,510)
					Annual		
January through December	Year 2011	(103,510)	0.5800%	12.00	(7,204)		(110,714)
January through December	Year 2012	(110,714)	0.5700%	12.00	(7,573)		(118,287)
January through December	Year 2013	(118,287)	0.5700%	12.00	(8,091)		(126,378)
Over (Under) Decement Dive In	toroot American and Decovered Over 12 N	Aontho.			Monthly		
	terest Amortized and Recovered Over 12 N	126,378	0.5700%		Monthly (720)	(10.024)	(114 172)
January February	Year 2014 Year 2014	116,173	0.5700%		(662)	(10,926) (10,926)	(116,173)
March	Year 2014	105,909	0.5700%		(604)	(10,926)	(105,909) (95,587)
	Year 2014	95,587	0.5700%		(545)	(10,926)	(85,206)
April May	Year 2014	95,367 85,206	0.5700%		(486)	(10,926)	(74,766)
May June	Year 2014	74,766	0.5700%		(426)	(10,926)	(64,266)
July	Year 2014	64,266	0.5700%		(366)	(10,926)	(53,707)
-	Year 2014	53,707	0.5700%		(306)	(10,926)	
August			0.5700%				(43,087)
September October	Year 2014 Year 2014	43,087 32,407	0.5700%		(246) (185)	(10,926) (10,926)	(32,407)
November	Year 2014	21,666	0.5700%		(123)	(10,926)	(21,666) (10,864)
December	Year 2014	10,864	0.5700%				(10,864)
December	1501 2014	10,004	0.370076		<u>(62)</u> (4,731)	(10,926)	U
Total Amount of True-Up Adjustr	ment for 2010 ATRR				\$	(131,109)	
Less Over (Under) Recovery					\$	100,000	
Total Interest					\$	(31,109)	

Potomac-Appalachian Transmission Highline, LLC Attachment 9 - Hypothetical Example of Final True-Up of Interest Rates and Interest Calculations for the Construction Loan

Applicable to both PATH West Virginia Transmission Company, LLC & PATH Allegheny Transmission Company, LLC

Calculation of Interest for		r 2012, 2013 and returned prorate over 2014			Monthly		
All over or under conection w	ili be recovered prorata over 2011, field to	i 2012, 2013 and returned prorate over 2014			Monthly		
January	Year 2011	25,000	0.5800%	12.00	(1,740)		(26,740)
February	Year 2011	25,000	0.5800%	11.00	(1,595)		(26,595)
March	Year 2011	25,000	0.5800%	10.00	(1,450)		(26,450)
April	Year 2011	25,000	0.5800%	9.00	(1,305)		(26,305)
May	Year 2011	25,000	0.5800%	8.00	(1,160)		(26,160)
June	Year 2011	25,000	0.5800%	7.00	(1,015)		(26,015)
July	Year 2011	25,000	0.5800%	6.00	(870)		(25,870)
August	Year 2011	25,000	0.5800%	5.00	(725)		(25,725)
September	Year 2011	25,000	0.5800%	4.00	(580)		(25,580)
October	Year 2011	25,000	0.5800%	3.00	(435)		(25,435)
November	Year 2011	25,000	0.5800%	2.00	(290)		(25,290)
December	Year 2011	25,000	0.5800%	1.00	(145)		(25,145)
					(11,310)		(311,310)
					Annual		
January through December	Year 2012	(311,310)	0.5700%	12.00	(21,294)		(332,604)
January through December	Year 2013	(332,604)	0.5700%	12.00	(22,750)		(355,354)
_	nterest Amortized and Recovered Over 12		0.57000/		Monthly	(00.704)	(00((50)
January	Year 2014	355,354	0.5700%		(2,026)	(30,721)	(326,658)
February	Year 2014	326,658	0.5700%		(1,862)	(30,721)	(297,798)
March	Year 2014	297,798	0.5700%		(1,697)	(30,721)	(268,774)
April	Year 2014	268,774	0.5700%		(1,532)	(30,721)	(239,585)
May	Year 2014	239,585	0.5700%		(1,366)	(30,721)	(210,229)
June	Year 2014	210,229	0.5700%		(1,198)	(30,721)	(180,706)
July	Year 2014	180,706	0.5700%		(1,030)	(30,721)	(151,015)
August	Year 2014	151,015	0.5700%		(861)	(30,721)	(121,154)
September	Year 2014	121,154	0.5700%		(691)	(30,721)	(91,123)
October	Year 2014	91,123	0.5700%		(519)	(30,721)	(60,921)
November	Year 2014	60,921	0.5700%		(347)	(30,721)	(30,547)
December	Year 2014	30,547	0.5700%		<u>(174)</u> (13,303)	(30,721)	0
Total Amount of True Un Adicat	mont for 2011 ATDD				(.5,555)	(269 657)	
Total Amount of True-Up Adjusti	IIIEIILIUI ZUTTATKK				\$	(368,657)	
Less Over (Under) Recovery					\$	300,000	
Total Interest					\$	(68,657)	

Calculation of Interest for An over or under collection w	Il be recovered prorata over 2012, held for	2013 and returned prorate over 2014			Monthly		
THE OVER OF GIRDS CONSOLICITY	50 1000 to 100 proruta 0 to 120 127 11010 101	2010 dila rotamba prorato ovoi 2011			monuny		
January	Year 2012	8,333	0.5700%	12.00	(570)		(8,90
February	Year 2012	8,333	0.5700%	11.00	(523)		(8,856
March	Year 2012	8,333	0.5700%	10.00	(475)		(8,808)
April	Year 2012	8,333	0.5700%	9.00	(428)		(8,76
May	Year 2012	8,333	0.5700%	8.00	(380)		(8,713
June	Year 2012	8,333	0.5700%	7.00	(333)		(8,666
July	Year 2012	8,333	0.5700%	6.00	(285)		(8,618
August	Year 2012	8,333	0.5700%	5.00	(238)		(8,571
September	Year 2012	8,333	0.5700%	4.00	(190)		(8,523
October	Year 2012	8,333	0.5700%	3.00	(143)		(8,476
November	Year 2012	8,333	0.5700%	2.00	(95)		(8,428
December	Year 2012	8,333	0.5700%	1.00	(48)		(8,381
					(3,705)		(103,705
					Annual		
January through December	Year 2013	(103,705)	0.5700%	12.00	(7,093)		(110,798
Over (Under) Recovery Plus Ir	sterest Amortized and Recovered Over 12	Months			Monthly		
January	Year 2014	110,798	0.5700%		(632)	(9,579)	(101,851
February	Year 2014	101,851	0.5700%		(581)	(9,579)	(92,853
March	Year 2014	92,853	0.5700%		(529)	(9,579)	(83,803
April	Year 2014	83,803	0.5700%		(478)	(9,579)	(74,702
May	Year 2014	74,702	0.5700%		(426)	(9,579)	(65,549
June	Year 2014	65,549	0.5700%		(374)	(9,579)	(56,344
July	Year 2014	56,344	0.5700%		(321)	(9,579)	(47,086
August	Year 2014	47,086	0.5700%		(268)	(9,579)	(37,776
September	Year 2014	37,776	0.5700%		(215)	(9,579)	(28,412
October	Year 2014	28,412	0.5700%		(162)	(9,579)	(18,995
November	Year 2014	18,995	0.5700%		(108)	(9,579)	(9,525
December	Year 2014	9,525	0.5700%		(54)	(9,579)	(
İ					(4,148)		
Total Amount of True-Up Adjusti	ment for 2012 ATRR				\$	(114,946)	
Less Over (Under) Recovery					\$	100,000	
Total Interest					\$	(14,946)	

Potomac-Appalachian Transmission Highline, LLC Attachment 10 - Depreciation Accrual Rates

Applicable to PATH West Virginia Transmission Company, LLC

TRANSMISSION PLANT		(Annual) Percent	Deprec Expe
350.2	Land & Land Rights - Easements	1.43	
352	Structures & Improvements	1.82	
353	Station Equipment	1.30	
	Other	2.43	
	SVC Dynamic Control Equipment	4.09	
354	Towers & Fixtures	1.26	
355	Poles & Fixtures	3.11	
356	Overhead Conductors & Devices	1.13	
Total Transmission Plant Depreciation		-	
Total Transmission Depreciation Expense (must tie to p336.7.b	& c)	<u>L</u>	
		Accrual Rate	Anr
GENERAL PLANT		(Annual) Percent	Depred
	Otro at the S. Income and a	2.00	
390	Structures & Improvements	2.00	
391	Office Furniture & Equipment	5.00	
	Information Systems	10.00	
	Data Handling	10.00	
392	Transportation Equipment	5.00	
	Other Autos	5.33	
	Light Trucks	11.43 6.96	
	Medium Trucks	6.96	
	Trailers	4.44	
	ATV	5.33	
393	Stores Equipment	5.00	
394	Tools, Shop & Garage Equipment	5.00	
395	Laboratory Equipment	5.00	
396		4.17	
	Power Operated Equipment		
397	Communication Equipment	6.67	
398 Total General Plant	Miscellaneous Equipment	6.67	
Total General Plant Depreciation Expense (must tie to p336.10.b & c)	· [
		Accrual Rate	Anı
INTANGIBLE PLANT		(Annual) Percent	Expe
303	Miscellaneous Intangible Plant	20.00	
Total Intangible Plant			
Total Intangible Plant Amortization (must tie to p336.1 d & e)			

Potomac-Appalachian Transmission Highline, LLC Attachment 10 - Depreciation Accrual Rates

Applicable to PATH Allegheny Transmission Company, LLC

TRANSMISSION PLANT		Accrual Rate (Annual) Percent	Annu Deprecia Expen
350.2	Land & Land Rights - Easements	1.43	
352	Structures & Improvements	1.82	
353	Station Equipment		
	Other SVC Dynamic Control Equipment	2.43 4.09	
354	Towers & Fixtures	1.26	
355	Poles & Fixtures	3.11	
356	Overhead Conductors & Devices	1.13	
Total Transmission Plant Depreciation			
Total Transmission Depreciation Expense (must tie to p	336.7.b & c)	<u> </u>	
		Accrual Rate (Annual)	Annu
GENERAL PLANT		Percent	Expen
390	Structures & Improvements	2.00	
391	Office Furniture & Equipment	5.00	
	Information Systems Data Handling	10.00 10.00	
392	Transportation Equipment		
	Other Autos	5.33 11.43	
	Light Trucks	6.96	
	Medium Trucks	6.96	
	Trailers ATV	4.44 5.33	
393	Stores Equipment	5.00	
394	Tools, Shop & Garage Equipment	5.00	
395	Laboratory Equipment	5.00	
396	Power Operated Equipment	4.17	
397	Communication Equipment	6.67	
398	Miscellaneous Equipment	6.67	
Total General Plant Total General Plant Depreciation Expense (must tie to p336.1	0.b.c.d&e) -		
		Accrual Rate	Annu
INTANGIBLE PLANT		(Annual) Percent	Expen
	Miscellaneous Intangible Plant	20.00	
303 Total Intangible Plant	Wilderianeous intangible i fant		

Attachment 12 MAIT Formula Rate for January 1, 2021 to December 31, 2021



Suite 500 East 1301 K Street NW Washington, D.C. 20005-3317

Richard P. Sparling (202) 973-4293 tel (202) 973-4493 fax ricksparling@dwt.com

October 5, 2020

To: Parties to FERC Docket No. ER17-211

Re: Mid-Atlantic Interstate Transmission, LLC

PJM Open Access Transmission Tariff, Attachment H-28

Projected Transmission Revenue Requirement for Rate Year 2021

Pursuant to section II.D of the Formula Rate Implementation Protocols ("Protocols") set forth in Attachment H-28B of the PJM Open Access Transmission Tariff ("PJM OATT"), Mid-Atlantic Interstate Transmission, LLC ("MAIT") is submitting its Projected Transmission Revenue Requirement ("PTRR") for Rate Year 2021 to PJM for posting.

The 2021 PTRR was developed pursuant to the MAIT formula rate as set forth in Attachment H-28 of the PJM OATT. MAIT has asked PJM to post a copy of the 2021 PTRR to the formula rates section of its internet site, located at:

http://www.pjm.com/markets-and-operations/billing-settlements-and-credit/formula-rates.aspx

A copy of the 2021 PTRR is attached. Pursuant to section II.I of the Protocols, MAIT shall hold an open meeting among Interested Parties ("Annual Projected Rate Meeting") no earlier than ten (10) business days following this posting and no later than November 30. No fewer than seven (7) days prior to such Annual Projected Rate Meeting, MAIT shall provide notice on PJM's website of the time, date, and webcast registration information of the Annual Projected Rate Meeting.

Formula Rate - Non-Levelized Rate Formula Template For the 12 months ended 12/31/2021
Utilizing FERC Form 1 Data

Mid-Atlantic Interstate Transmission, LLC (4) (5) Allocated (1) (2) No. | GROSS REVENUE REQUIREMENT [page 3, line 43, col 5] Amount 298,419,600 REVENUE CREDITS (Note T) Total REVENUE CREDITS (Note T
Account No. 451 (page 4
Account No. 454 (page 4
Account No. 456 (page 4
Account No. 456 (page 4
Revenues from Grandfathered Interzonal Transactions
Revenues from service provided by the ISO at a discount
TEC Revenue Attacht
TOTAL REVENUE CREDITS (sum lines 2-7) (page 4, line 29) (page 4, line 30) (page 4, line 31) 1.00000 1.00000 1.00000 1.00000 TP TP TP TP TP 3,761,088 3,761,088 1,988,973 1,988,973 1.00000 1.00000 Attachment 11, Page 2, Line 3, Col. 12 15,875,070 15,875,070 21,625,131 21,625,131 True-up Adjustment with Interest Attachment 13, Line 28 18,340,647 10 NET REVENUE REQUIREMENT (Line 1 - Line 8 + Line 9) 295,135,116 DIVISOR 5,887.6 5,021.7 11 1 Coincident Peak (CP) (MW) 12 Average 12 CPs (MW) (Note A) (Note CC) Total 50,128.46 13 Annual Rate (\$/MW/Yr) (line 10 / line 11) Peak Rate Off-Peak Rate Total 58,771.90 4,897.66 Total 58,771.90 4,897.66 Point-to-Point Rate (\$/MW/Year) Point-to-Point Rate (\$/MW/Month) Point-to-Point Rate (\$/MW/Week) Point-to-Point Rate (\$/MW/Day) (line 10 / line 12) (line 107 line 12) (line 14/12) (line 14/52) (line 16/5; line 16/7) (line 14/4,160; line 14/8,760) 1,130.23 226.05 14.13 1,130.23 161.46 Point-to-Point Rate (\$/MWh) 6.71

For the 12 months ended 12/31/2021 Formula Rate - Non-Levelized

Rate Formula Template Utilizing FERC Form 1 Data

			-			
			Mid-Atlantic Interstate Transm	ission, LLC		
	(1)	(2)	(3)		(4)	(5)
						Transmission
Line	RATE BASE:	Source	Company Total	A	llocator	(Col 3 times Col 4)
NO.	GROSS PLANT IN SERVICE					
1	Production	Attachment 3, Line 14, Col. 1 (Notes U & X)		NA		
2	Transmission	Attachment 3, Line 14, Col. 2 (Notes U & X) Attachment 3, Line 14, Col. 2 (Notes U & X)	2,183,933,069	TP	1.00000	2,183,933,069
3	Distribution	Attachment 3, Line 14, Col. 3 (Notes U & X)	2,103,533,005	NA	1.00000	2,100,700,007
4	General & Intangible	Attachment 3, Line 14, Col. 4 & 5 (Notes U & X)	123,797,765	W/S	1.00000	123,797,765
5	Common	Attachment 3, Line 14, Col. 6 (Notes U & X)	-	CE	1.00000	
6	TOTAL GROSS PLANT (sum lines 1-5)	, , , , ,	2,307,730,834	GP=	100.000%	2,307,730,834
	ACCUMULATED DEPRECIATION					
7	Production	Attachment 4, Line 14, Col. 1 (Notes U & X)	-	NA		
8	Transmission	Attachment 4, Line 14, Col. 2 (Notes U & X)	339,210,222	TP	1.00000	339,210,222
9	Distribution	Attachment 4, Line 14, Col. 3 (Notes U & X)	-	NA		
10	General & Intangible	Attachment 4, Line 14, Col. 4 & 5 (Notes U & X)	19,229,622	W/S	1.00000	19,229,622
11	Common	Attachment 4, Line 14, Col. 6 (Notes U & X)		CE	1.00000	
12	TOTAL ACCUM. DEPRECIATION (sum lines 7	7-11)	358,439,843			358,439,843
	NET PLANT IN SERVICE					
13	Production	(line 1- line 7)	-			
14	Transmission	(line 2- line 8)	1,844,722,848			1,844,722,848
15	Distribution	(line 3 - line 9)	-			
16	General & Intangible	(line 4 - line 10)	104,568,143			104,568,143
17	Common	(line 5 - line 11)				
18	TOTAL NET PLANT (sum lines 13-17)		1,949,290,991	NP=	100.000%	1,949,290,991
	ADJUSTMENTS TO RATE BASE					
19	Account No. 281 (enter negative)	Attachment 5, Line 3, Col. 1 (Notes F & Y & DD)		NA		
20	Account No. 282 (enter negative)	Attachment 5, Line 3, Col. 2 (Notes F & Y & DD)	(349,264,588)	NP	1.00000	(349,264,588)
21	Account No. 283 (enter negative)	Attachment 5, Line 3, Col. 3 (Notes F & Y & DD)	(6,537,754)	NP	1.00000	(6,537,754)
22 23	Account No. 190	Attachment 5, Line 3, Col. 4 (Notes F & Y & DD)	11,551,830	NP NP	1.00000	11,551,830
23	Account No. 255 (enter negative) Unfunded Reserve Plant-related (enter negative)	Attachment 5, Line 3, Col. 5 (Notes F & Y & DD) Attachment 14, Line 9, Col. G (Note Y)	-	DA	1.00000 1.00000	
25	Unfunded Reserve Labor-related (enter negative)		-	DA	1.00000	
26	CWIP	216.b (Notes X & Z)	-	DA	1.00000	•
27	Unamortized Regulatory Asset	Attachment 16a, 16b, 16c, line 15, Col. 7 (Notes X)	2,090,365	DA	1.00000	2,090,365
28	Unamortized Abandoned Plant	Attachment 17, Line 15, Col. 7 (Notes X & BB)	2,070,303	DA	1.00000	2,070,303
29	TOTAL ADJUSTMENTS (sum lines 19-28)		(342,160,147)			(342,160,147)
30	LAND HELD FOR FUTURE USE	214.x.d (Attachment 14, Line 1, Col. D) (Notes G & Y)	-	TP	1.00000	-
31	WORKING CAPITAL (Note H)					
32	CWC	1/8*(Page 3, Line 15 minus Page 3, Lines 11 & 12)	9,926,298			9,652,507
33	Materials & Supplies (Note G)	227.8.c & .16.c (Attachment 14, Line 2, Col. D) (Note Y)	-	TE	0.97293	-
34	Prepayments (Account 165)	111.57.c (Attachment 14, Line 3, Col. D) (Notes B & Y)	814,129	GP	1.00000	814,129
35	TOTAL WORKING CAPITAL (sum lines 32 - 34	4)	10,740,427			10,466,636
36	RATE BASE (sum lines 18, 29, 30, & 35)		1,617,871,271			1,617,597,480

For the 12 months ended 12/31/2021 Formula Rate - Non-Levelized

Rate Formula Template Utilizing FERC Form 1 Data

Mid-Atlantic Interstate Transmission, LLC

No. Source Company Total Allocation Company Total Transmission S211.126 (Attachment 20, page 1, line 112) S0911.750 TE 0.97293 78.721.421	Line	(1)	(2)	(3)	,	(4)	(5) Transmission
Transmission Related in Transmission CAM Account 60 (Note W)		_	Source	Company Total	All	ocator	(Col 3 times Col 4)
Less Account 565			221 1121 (44) 1 (20) 1 F (112)	00.011.750	TIE.	0.07202	70 721 421
Less Account 565 321.76 b 0.4 1.00000 9.466.386 0.5 1.00000 9.466.386 0.5 1.00000 9.466.386 0.5 1.00000 9.466.386 0.5 1.00000 9.466.386 0.5 1.000000 1.000000 1.000000 1.000000 1.000000 1.0000000000				80,911,730			/6,/21,421
Less FERC Annual Food 321.97 b (Autochment 20, page 2, line 197)							
SAG Less FERC Annual Fee 323.197 h (Attachment 20, page 2, line 197) (694.692) W.S 1,00000 C-1				9,466,866			9,466,866
Less FERC Annual Fee		A&G	323.197.b (Attachment 20, page 2, line 197)		W/S		(694,692)
Plus Transmission Ratinal Reg. Comm. Exp. (Note 1)	6	Less FERC Annual Fees		` - ´	W/S	1.00000	
PBOP Espense Adjustment in Year	7	Less EPRI & Reg. Comm. Exp. & Non-safety	Ad. (Note I)	170,000	W/S	1.00000	170,000
10 Common 356.1 CE 1.00000 S97-1				-			-
11 Account 4073 Amortization of Regulatory Assets 3 Attachment 16, 16h, 16c, Line 15, Col. 5 597,247 DA 1,00000 597,247							(636,671)
12 Account 566 Amortization of Regulatory Assets 321 97 b (notes) 1 Acct. 566 Miscellaneous Transmission Expense (see smortization of regulatory asset) 321 97 b - line 12 9,466,866 DA 1,00000 9,466,866 14 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 9,466,866 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 9,466,866 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 9,466,866 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 9,466,866 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 9,466,866 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 10 Notes 15 Total Account 566 (sum line 12 & 13, ties to 321 97 b) 10 Notes							
13 Act. 566 Miscellaneous Transmission Expense (less ametrization of regulatory asset) 321.97 b - line 12 9.466,866 DA 1.00000 9.466,866				597,247			597,247
14 Total Account 566 (sum lines 1 2 & 13, ties to 321 97.b) 9,466.866 9,466.866				- 0.466.066			0.466.066
DEPRECIATION AND AMORTIZATION EXPENSE					DA	1.00000	
DEPRECIATION AND AMORTIZATION EXPENSE 1							
16 Transmission	13	101AL O&W (sum lines 1, 3,8, 9, 10, 11, 14 les	S 2, 3, 4, 6, 7)	80,007,034			//,81/,303
17 General & Intangible 336.11.8 (336.101 (Note U) - - CE 1.00000 6.730,841 18 Common 336.11.8 (Note U) - - CE 1.00000 - 19 Amerization of Abandened Plant Attachment 17, Line 15, Col. 5 (Note BB) - DA 1.00000 - 10 TALA DEPRECIATION (sum lines 16-19) 12 TAKES OTHER THAN INCOME TAXES (Note J) 12 LABOR RELATED	16			40 511 055	TD	1.00000	49 511 955
Section							
19				0,750,040			0,750,040
TOTAL DEPRECIATION (sum lines 16-19)				-			
LABOR RELATED 1				55,242,701			55,242,701
21			: J)				
22 Highway and vehicle 263.i (Attachment 7, line 2z) - W/S 1.00000 - 23 PLANT RELATED 263 i (Attachment 7, line 3z) 108,828 GP 1.00000 108,821	21		263 i (Attachment 7 line 1z)	497.061	W/S	1.00000	497.061
23 PLANT RELATED 24 Property 263.i (Attachment 7, line 42) 108,828 GP 1.00000 108,829 25 Gross Receipts 265.i (Attachment 7, line 42) - NA 1.0000 26 Other 263.i (Attachment 7, line 52) - GP 1.00000 27 Payments in lieu of taxes Attachment 7, line 62 - GP 1.00000 28 TOTAL OTHER TAXES (sum lines 21 - 27) 605,889 INCOME TAXES (Note K) 29 T-1 - {(I - SIT) * (1 - FIT) * (1 - SIT * FIT * * p) = 32.32*6 where WCLTD=(page 4, line 22) and R= (page 4, line 25) and FT, SIT & p are as given in forthoris K. 31 1/(1 - T) = (from line 29) 9,685,9 32 Amortized Investment Tax Credit (266.8.0) (enter negative) 99,685,9 33 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 386,603 41 (Excess) Deficient Deferred Income Taxes (Attachment 15, Line 2 & 3, Col. 3) [Notes E & Y] (1,100,219) 45 Income Tax Calculation - line 30 * line 40 40,522,186 NA 10,0000 (140,188) NP 1,00000 (140,				477,001			477,001
24 Property 263.i (Attachment 7, line 32) 108,828 GP 1.00000 108,828 25 Gross Receipts 263.i (Attachment 7, line 42) - NA - GP 1.00000 26 Other 263.i (Attachment 7, line 52) - GP 1.00000 27 Payments in lieu of taxes Attachment 7, line 6z - GP 1.00000 28 TOTAL OTHER TAXES (sum lines 21 - 27) 605,889 605,889 NCOME TAXES (Note K) 29 T=1 - ([(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)) = 28.89% 30 CIT=(T1-T)** (1 - W(CLTD)R)) = 32.32% where WCLTD=(page 4, line 22) and R= (page 4, line 25) and FIT, SIT & p are as given in footnote K. 31 1 / (1 - T) = (from line 29) (99,683) 32 Amortized Investment Tax Credit (266.8.f) (enter negative) (99,683) 33 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 386,605 (Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y] (1,100,219) 35 Income Tax Calculation = line 30 * line 40 40,520,328 (Excess)/Deficient Deferred Income Taxes (Attachment 16 in 31 * line 33) 543,688 DA 1.00000 (140,188) NP			2001 (1 macilion 7, me 22)			1.00000	
25 Gross Receipts 263.i (Attachment 7, line 4z) - NA 26 Other 263.i (Attachment 7, line 5z) - GP 1.00000 27 Payments in lieu of taxes Attachment 7, line 6z - GP 1.00000 28 TOTAL OTHER TAXES (sum lines 21 - 27) 605.889 INCOME TAXES (Note K) INCOME TAXES (Note K) STOTAL OTHER TAXES (sum lines 21 - 27) 7 - 1 - [[(1 - SIT) * IT * FIT * p)] + S 28.89% 30 CIT=(T1-T) * (1-(WCLTD/R)) + S 32.32%			263.i (Attachment 7, line 3z)	108,828	GP	1.00000	108,828
27 Payments in lieu of taxes Attachment 7, line 6z	25		263.i (Attachment 7, line 4z)	-	NA		
28 TOTAL OTHER TAXES (sum lines 21 - 27) 605,889 1NCOME TAXES (Note K) 29	26	Other	263.i (Attachment 7, line 5z)	-	GP	1.00000	-
NCOME TAXES (Note K)	27	Payments in lieu of taxes	Attachment 7, line 6z		GP	1.00000	
29 T=1 - {{(1 - SIT) * (1 - FIT) } / (1 - FIT) } / (1 - FIT) } = 28.89% 30 CIT=(T/1-T)* {1 - {(1 - SIT) * (1 - FIT) } / (1 - FIT) * (1 - F	28	TOTAL OTHER TAXES (sum lines 21 - 27)		605,889			605,889
30 CIT=(I'I-T)* (1-(WCLTD'(R)) = where WCLTD-(page 4, line 22) and R= (page 4, line 25) and FIT, SIT & pare as given in footnote K. 31 1/(1-T) = (from line 29) 32 Amortized Investment Tax Credit (266.8.f) (enter negative) 33 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 38 (6,605) 44 (Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y] 51 Income Tax Calculation = line 30* line 40 17 Cadjustment (line 31* line 32) 18 (Excess)/Deficient Deferred Income Tax Adjustment (line 31* line 33) 19 Permanent Differences and AFUDC Equity Tax Adjustment (line 31* line 33) 30 (Li,547,253) 31 Total Income Taxes 31 Sum lines 35 through 38 32 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 34) 31 (Li,547,253) 32 Total Income Taxes 33 Sum lines 35 through 38 34 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 34) 35 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 34) 36 (Excess)/Deficient Deferred Income Tax Adjustment (line 31* line 33) 37 (Li,547,253) 38 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 34) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 39 (Sexess)/Deficient Deferred Income Tax Adjustment (line 31* line 35) 30 (Sexess)/Defici							
where WCLTD=(page 4, line 22) and R= (page 4, line 25) and FIT, SIT & pare as given in footnote K. 31			p)} =				
and FIT, SIT & pare as given in footnote K. 1 / (1 - T) = (from line 29) 2 Amortized Investment Tax Credit (266.8:f) (enter negative) 3 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 3 (Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y] 3 [Income Tax Calculation = line 30 * line 40 40,520,323 1 TC adjustment (line 31 * line 30) 1 TC adjustment (line 31 * line 30) 1 Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33) 3 (Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34) 4 (Excess)/Deficient Deferred Income Tax S aum lines 35 through 38 4 (Excess)/Deficient Deferred Income Tax S aum lines 35 through 38 4 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 1 (25,398,351.21) 1 (25,398,351.21) 1 (25,398,351.21) 2 (30,638,008) 2 (298,419,608) 4 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 4 (Note AA) 4 (Doll (Note AB) 4 (Doll (Note AA) 4 (Doll (Note AB) 4 (Doll (N	30			32.32%			
32 Amortized Investment Tax Credit (266.8.f) (enter negative) 33 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 34 (Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y] 35 Income Tax Calculation = line 30 * line 40 36 ITC adjustment (line 31 * line 32) 37 Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33) 38 (Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34) 39 Total Income Taxes 30 Income T		and FIT, SIT & p are as given in footnote K.	ge 4, line 25)	4.4052			
33 Tax Effect of Permanent Differences and AFUDC Equity (Attachment 15, Line 1, Col. 3) [Notes D & Y] 34 (Excess)/Deficient Deferred Income Taxes (Attachment 15, Lines 2 & 3, Col. 3) [Notes E & Y] 35 Income Tax Calculation = line 30 *line 40 36 ITC adjustment (line 31 * line 32) 37 Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33) 38 (Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34) 39 Total Income Taxes 39 Total Income Taxes 39 um lines 35 through 38 39,383,433 40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 41 INCENTIVE) (sum lines 15, 20, 28, 39, 40) 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 40 ADDITIONAL INCENTIVE REVENUE							
Second Case							
35 Income Tax Calculation = line 30 * line 40 40,520,321 40,52							
36 ITC adjustment (line 31 * line 32) (140,188) NP 1.00000 (140,188) 37 Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 34) \$43,688 DA 1.00000 \$43,688 36 (Excess)Deficient Deferred Income Tax Adjustment (line 31 * line 34) (1,547,253) DA 1.00000 (1,547,253) 39 Total Income Taxes sum lines 35 through 38 39,383,433 DA 1.00000 (1,547,253) 40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 125,398,351.21 NA 125,377,130 GROSS REV. REQUIREMENT (WITHOUT 41 INCENTIVE) (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600			ment 15, Entes 2 & 5, Col. 5) [Notes E & 1]		NA		40 520 328
37 Permanent Differences and AFUDC Equity Tax Adjustment (line 31 * line 33) 543,688 DA 1,00000 543,688 38 (Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34) (1,547,253) DA 1,00000 (1,547,253) 39 Total Income Taxes sum lines 35 through 38 39,383,433 39,383,433 39,376,574 40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 125,398,351.21 NA 125,377,130 GROSS REV. REQUIREMENT (WITHOUT (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0						1.00000	(140,188)
38 (Excess)/Deficient Deferred Income Tax Adjustment (line 31 * line 34) (1,547,253) DA 1,00000 (1,547,253) 39 Total Income Taxes sum lines 35 through 38 39,383,433 39,383,433 39,376,574 40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 125,398,351.21 NA 125,377,136 GROSS REV. REQUIREMENT (WITHOUT INCENTIVE) (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0			djustment (line 31 * line 33)				543,688
40 RETURN [Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)] 125,398,351.21 NA 125,377,130 GROSS REV. REQUIREMENT (WITHOUT INCENTIVE) (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0	38			(1,547,253)	DA	1.00000	(1,547,253)
GROSS REV. REQUIREMENT (WITHOUT 41 INCENTIVE) (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0	39	Total Income Taxes	sum lines 35 through 38	39,383,433			39,376,574
41 INCENTIVE) (sum lines 15, 20, 28, 39, 40) 300,638,008 298,419,600 42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0	40	RETURN	[Rate Base (page 2, line 36) * Rate of Return (page 4, line 25)]	125,398,351.21	NA		125,377,130
42 ADDITIONAL INCENTIVE REVENUE Attachment 11, page 2, line 4, col 11 (Note AA) 0							
	41	INCENTIVE)	(sum lines 15, 20, 28, 39, 40)	300,638,008			298,419,600
43 GROSS REV. REQUIREMENT (line 41 + line 42) 300,638,008 298,419,600	42	ADDITIONAL INCENTIVE REVENUE	Attachment 11, page 2, line 4, col 11 (Note AA)	0			0
	43	GROSS REV. REQUIREMENT	(line 41 + line 42)	300,638,008			298,419,600

Formula Rate - Non-Levelized Rate Formula Template For the 12 months ended 12/31/2021 Utilizing FERC Form 1 Data

Mid-Atlantic Interstate Transmission, LLC SUPPORTING CALCULATIONS AND NOTES (3) (4) (5) (6) (2) No. TRANSMISSION PLANT INCLUDED IN ISO RATES Total transmission plant (page 2, line 2, column 3)
Less transmission plant excluded from ISO rates (Note M) 2,183,933,069 Less transmission plant included in OATT Ancillary Services (Note N)

Transmission plant included in ISO rates (line 1 less lines 2 & 3)

Percentage of transmission plant included in ISO Rates (line 4 divided by line 1) 2,183,933,069 1.00000 TRANSMISSION EXPENSES Total transmission expenses (page 3, line 1, column 3)
Less transmission expenses included in OATT Ancillary Services (Note L)
Included transmission expenses (line 6 less line 7) 80,911,750 2,190,328 78,721,421 0.97293 Percentage of transmission expenses after adjustment (line 8 divided by line 6) Percentage of transmission plant included in ISO Rates (line 5)
Percentage of transmission expenses included in ISO Rates (line 9 times line 10) 1.00000 0.97293 WAGES & SALARY ALLOCATOR (W&S) Form 1 Refe Allocation 12 13 Production Transmission 354.20.b 354.21.b 0.00 1.00 14 15 Distribution 354.23.b 0.00 W&S Allocator Other 354.24,25,26.b 0.00 (\$ / Allocation) Total (sum lines 12-15) 1.00000 = WS 16 COMMON PLANT ALLOCATOR (CE) (Note O) % Electric W&S Allocator (line 17 / line 20) 1.00000 (line 16) 1.00000 17 Electric 200.3.c CE 1.00000 201.3.d Gas 19 Wate 201.3.e RETURN (R) Preferred Dividends (118.29c) (positive number) 21 (Note C) (Note P) Long Term Debt (112.24.c) (Attachment 8, Line 14, Col. 7) (Note X) Preferred Stock (112.3d) (Attachment 8, Line 14, Col. 2) (Note X) Common Stock (Attachment 8, Line 14, Col. 6) (Note X) 0.0159 =WCLTD 769,153,561 23 0.0000 0.0000 0.0617 1,146,808,573 0.1030 Total (sum lines 22-24) 1,915,962,135 0.0775 =R REVENUE CREDITS ACCOUNT 447 (SALES FOR RESALE)
a. Bundled Non-RQ Sales for Resale (311.x.h) (310-311) b. Bundled Sales for Resale included in Divisor on page 1
Total of (a)-(b) 29 ACCOUNT 451 (MISCELLANEOUS SERVICE REVENUE) (Note S) (300.17.b) (Attachment 21, line 1z)

(300.19.b) (Attachment 21, line 2z)

(330.x.n) (Attachment 21, line 3z)

3,761,088

1,988,973

30 ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)

31 ACCOUNT 456 (OTHER ELECTRIC REVENUE) (Note V)

Formula Rate - Non-Levelized Rate Formula Template For the 12 months ended 12/31/2021 Utilizing FERC Form 1 Data

Mid-Atlantic Interstate Transmission, LLC

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Letter

- A As provided by PJM and in effect at the time of the annual rate calculations pursuant to Section 34.1 of the PJM OATT. Includes combined CPs for Met-Ed and Penelec zones.
- B Prepayments shall exclude prepayments of income taxes.
- C In its order approving the transfer of Penelec's and Met-Ed's transmission assets to MAIT, the Commission approved MAIT's commitment to apply a 50 percent equity/50 percent debt capital structure for ratemaking purposes for a two-year transition period. Pennsylvania Electric, 154 FERC ¶ 61,109 at P 51. Consequently, for the first two years (i.e., calendar years 2017 and 2018) the hypothetical capital structure will be used instead of the actual calculation. Per the Settlement Agreement in docket number ER17-211-000, beginning in calendar year 2019, the equity component of MAIT's capital structure to be used in calculating charges under the formula rate shall be the lower of (i) MAIT's actual equity component as calculated in accordance with Attachment 8 or (ii) 60%.
- D Includes the annual income tax cost or benefits due to permanent differences or differences between the amounts of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction.
- E Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes. Amounts to be included will be January 1, 2017 and thereafter.
- The balances in Accounts 190, 281, 282 and 283, should exclude all FASB 106 or 109 related amounts. For example, any and all amounts in contra accounts identified as regulatory assets or liabilities related to FASB 106 or 109 should be excluded. The balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 15, column 5 minus amortization of regulatory assets (page 3, lines 11 & 12, col. 5). Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111, line 57 in the Form 1.
- 1 Line 7 EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 8 Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- 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 is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilitize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.1) multiplied by (1/1-7) (page 3, line 31).

- P = (percent of federal income tax deductible for state purposes)

 Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1 561.3, and 561.BA., and related to generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
- N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- O Enter dollar amounts
- P Debt cost rate will be set at 4.5% until such time as debt is issued by MAIT. Once debt is issued, the long-term debt cost rate will be the weighted average of the rates for all outstanding debt instruments, calculated within Attachment 10, col. j.

 Consistent with Note C, there will be no preferred stock cost, consistent with MAIT's commitment to use a hypothetical 50%/50% capital structure until calendar year 2019. Thereafter, Preferred cost rate = preferred dividends (line 21) / preferred outstanding (line 23). No change in ROE may be made absent a filing with FERC under Section 205 or Section 206 of the Federal Power Act. Per the Settlement Agreement in Docket No. ER17-211-000, MAIT's stated ROE is set to 10.30% (9.8% base ROE plus 50 basis point adder for RTO participation).
- Q Line 28 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
- R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- S Excludes revenues unrelated to transmission services.
- T The revenues credited on page 1, lines 2-6 shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template. The revenue on line 7 is supported by it own reference.
- U Plant in Service, Accumulated Depreciation, and Depreciation Expense amounts exclude Asset Retirement Obligation amounts unless authorized by FERC.
- V On Page 4, Line 31, enter revenues from RTO settlements that are associated with NITS and firm Point-to-Point Service for which the load is not included in the divisor to derive Met-Ed's and Penelec's zonal rates. Exclude non-firm Point-to-Point revenues and revenues related to RTEP projects.
- W Account Nos. 561.4, 561.8, and 575.7 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements
- X Calculate using a 13 month average balance.
- Y Calculate using average of beginning and end of year balance.
- Z Includes only CWIP authorized by the Commission for inclusion in rate base.
- AA Any actual ROE incentive must be approved by the Commission; therefore, line will remain zero until a project(s) is granted an ROE incentive adder.
- BB Unamortized Abandoned Plant and Amortization of Abandoned Plant will be zero until the Commission accepts or approves recovery of the cost of abandoned plant. Utility must submit a Section 205 filing to recover the cost of abandoned plant.
- CC Peak as would be reported on page 401, column d of Form 1 at the time of Met-Ed's and Penelec's zonal peak for the twelve month period ending October 31 of the calendar year used to calculate rates. The projection year will utilize the most recent
- preceding 12-month period at the time of the filing
 DD Includes transmission-related balance only.

Schedule 1A Rate Calculation

- 1 \$ 2,190,328 Attachment H-28A, Page 4, Line 7
 2 121,975 Revenue Credits for Sched 1A Note A
 3 \$ 2,068,353 Net Schedule 1A Expenses (Line 1 Line 2) 4 32,345,240 Annual MWh in Met-Ed and Penelec Zones - Note B 5 \$ 0.0639 Schedule 1A rate \$/MWh (Line 3/ Line 4)

- Note:

 A Revenues received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of Met-Ed's and Penelec's zones during the year used to calculate rates under Attachment H-28A.
- B Load expressed in MWh consistent with load used for billing under Schedule 1A for the Met-Ed and Penelec zones. Data from RTO settlement systems for the calendar year prior to the rate year.

Incentive ROE Calculation

			Source Reference	
1	Rate Base		Attachment H-28A, page 2, Line 36, Col. 5	1,617,597,480
2	Preferred Dividends	enter positive	Attachment H-28A, page 4, Line 21, Col. 6	
	Common Stock			
3	Proprietary Capital		Attachment 8, Line 14, Col. 1	1,370,400,54
4	Less Preferred Stock		Attachment 8, Line 14, Col. 2	
5	Less Accumulated Other Comprehensive Income Account	219	Attachment 8, Line 14, Col. 4	
6	Less Account 216.1 & Goodwill		Attachment 8, Line 14, Col. 3 & 5	223,591,97
7	Common Stock		Attachment 8, Line 14, Col. 6	1,146,808,57
_	Capitalization			
8	Long Term Debt		Attachment H-28A, page 4, Line 22, Col. 3	769,153,56
9	Preferred Stock		Attachment H-28A, page 4, Line 23, Col. 3	4 4 4 0 000 57
10	Common Stock		Attachment H-28A, page 4, Line 24, Col. 3	1,146,808,57
11	Total Capitalization		Attachment H-28A, page 4, Line 25, Col. 3	1,915,962,13
12	Debt %	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 4	40.14459
13	Preferred %	Preferred Stock	Attachment H-28A, page 4, Line 23, Col. 4	0.0000
14	Common %	Common Stock	Attachment H-28A, page 4, Line 24, Col. 4	59.85559
15	Debt Cost	Total Long Term Debt	Attachment H-28A, page 4, Line 22, Col. 5	0.039
16	Preferred Cost	Preferred Stock	Attachment H-28A, page 4, Line 23, Col. 5	0.000
17	Common Cost	Common Stock	10.30%	0.103
18	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 12 * Line 15)	0.015
19	Weighted Cost of Preferred	Preferred Stock	(Line 13 * Line 16)	0.000
20	Weighted Cost of Common	Common Stock	(Line 14 * Line 17)	0.061
	Weighted Cost of Common Rate of Return on Rate Base (ROR)	Common Stock	(Line 14 * Line 17) (Sum Lines 18 to 20)	0.061 0.077
20		Common Stock		
20 21 22	Rate of Return on Rate Base (ROR)	Common Stock	(Sum Lines 18 to 20)	0.077
20 21 22 come	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21)	0.077 125,377,13
20 21 22 22 20 22	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1-{((1-SIT)*(1-FIT)}/(1-SIT*FIT*p)} =	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3	0.077 125,377,13 28.89°
20 21 22 come	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21)	0.077
20 21 22 22 20 22	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1-{((1 - SIT)*(1 - FIT)}/(1 - SIT * FIT * p)} =	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated	0.077 125,377,13 28.89
20 21 22 22 20 22	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) =	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3	0.077 125,377,13 28.89' 32.32'
20 21 22 come 23 24	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1-{((1 - SIT)*(1 - FIT)}/(1 - SIT * FIT * p)} =	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col.3	0.077 125,377,13 28.89 32.32 1.406
20 21 22 22 23 24	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {{(1 - SIT) * (1 - FIT)} / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23)	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31,	0.077 125,377,13 28.89° 32.32° 1.406° (99,685.00°
20 21 22 22 23 24 25 26	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative)	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col.3 Attachment H-28A, page 3, Line 32, Col. 3	0.077 125,377,13 26.89 32.32 ⁴ 1.406 (99,685.0 386,605.3 ⁴
20 21 22 22 23 24 25 26 27 28 29	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24)	0.077 125,377,13 28.89' 32.32' 1.406' (99,685.0' 386,605.3; (1,100,219.4'
20 21 22 22 23 24 25 26 27 28	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates I=1-{[(1 - SIT)*(1 - FIT)]/(1 - SIT * FIT * p)} = CIT=(T/1-T)*(1-(WCLTD/R)) = 1/(1-T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col.3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26)	0.077 125,377,13 28.89 32.32 1.406 (99,685.0 386,605.3 (1,100,219.4 40,520,327.9
20 21 22 22 23 24 25 26 27 28 29 30 31	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {{(1 - SIT) * (1 - FIT)} / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col.3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3	0.077 125,377,13 28.89' 32.32' 1.406' (99,685.0) 386,605.3; (1,100,219.4' 40,520,327.9; (140,188.3; 543,688.3;
20 21 22 22 23 24 25 26 27 28 29 30 31 32	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 24) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3	28.89° 28.89° 32.32° 1.406° (99.685.00 386,605.3° (1,100,219.47 40,520,327.9° (140,188.36 543,688.32 (1,547,253.5(
20 21 22 22 23 24 25 26 27 28 29 30 31	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {{(1 - SIT) * (1 - FIT)} / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col.3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3	28.89° 28.89° 32.32° 1.406° (99.685.00 386,605.3° (1,100,219.47 40,520,327.9° (140,188.36 543,688.32 (1,547,253.5(
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 24) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3	28.89' 32.32' 1.406: (99.685.0; 386.605.3; (1,100,219.4; 40,520,327.9; (140,188.3; 543,688.3; (1,547,253.5(
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {{(1 - SIT)* (1 - FIT)}} / (1 - SIT* FIT* p)} = CIT=(T/1-T)* (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 24) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3	0.077 125,377,13 28.89 32.32' 1.406 (99.685.3 (1,100,219.4' 40,520,327.9' (140,188.3; (1,547,253.5) 39,376,574.4!
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 32 33 34 35	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates I=1-{[(1 - SIT)* (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T)* (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Income taxes with increase in ROE Return without incentive adder	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5	0.077 125,377,13 28.89 32.32 1.406 (99,685.3 (1,100,219.4 40,520,327.9 (140,188.3 (1,547,253.5 39,376,574.4 164,753,704.6 125,377,130.1
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 32 33 34 35 36	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Taxes Return without incentive adder Income Tax without incentive adder Income Tax without incentive adder	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5 Attachment H-28A, Page 3, Line 39, Col. 5	28.89' 32.32' 1.406: (99.685.0(386,605.3! (1,100,219.4') 40,520,327.9! (140,188.3; (1,547,253.5! 39,376,574.4! 164,753,704.6! 125,377,130.1! 39,376,574.4!
20 21 22 22 23 24 25 26 27 28 29 31 32 33 34 35 36 37	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates I=1 - {((1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = {from line 23} Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)Deficient Deferred Income Tax Adjustment (Excess)Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Income taxes with increase in ROE Return without incentive adder Income Tax without incentive adder Return and Income taxes without increase in ROE	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5 Attachment H-28A, Page 3, Line 39, Col. 5 Line 35 + Line 36	26.89' 32.32' 1.406' (99.685.0' 386.605.3' (1.100.219.4' 40.520.327.9' (140.188.3' 543.688.3' (1.547.253.5' 39.376.574.4' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 145,753.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.705.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.70
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 32 33 34 35 36 36 37 38	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates I=1-{{(1 - SIT)* (1 - FIT)}}/(1 - SIT * FIT * p)} = CIT=(T/1-T)* (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Taxes Return and Income taxes with increase in ROE Return and Income taxes without increase in ROE Return and Income taxes with increase in ROE	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5 Attachment H-28A, Page 3, Line 39, Col. 5 Line 35 + Line 36 Line 36	26.89' 32.32' 1.406' (99.685.0' 386.605.3' (1.100.219.4' 40.520.327.9' (140.188.3' 543.688.3' (1.547.253.5' 39.376.574.4' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 125,377.130.1' 39.376.574.4' 144,753,704.6' 145,753.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.705.704.6' 145,755.704.6' 145,755.704.6' 145,755.704.6' 145,755.70
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 33 24 35 36 37 36 37 38 39	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates T=1 - {[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)} = CIT=(T/1-T) * (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Income taxes with increase in ROE Return without incentive adder Income Tax without incentive adder Return and Income taxes with increase in ROE Return and Income taxes with increase in ROE Return and Income taxes with increase in ROE Incremental Return and incomes taxes for increase in ROE	Common Stock	(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 24) (line 25 * line 24) (line 25 * line 36) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5 Attachment H-28A, Page 3, Line 39, Col. 5 Line 35 + Line 36 Line 34 Line 38 - Line 37	28.89° 32.32° 1.406° (99.685.00° 386,605.38° (1,100,219.47° 40,520,327°,98° (140,188.36° 543,688.32° (1,472.53,55° 39,376,574.48° 164,753,704.60° 125,377,130.18° 39,376,574.46° 164,753,704.60° 164,753,704.60°
20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 32 33 34 35 36 36 37 38	Rate of Return on Rate Base (ROR) Investment Return = Rate Base * Rate of Return Taxes Income Tax Rates I=1-{{(1 - SIT)* (1 - FIT)}}/(1 - SIT * FIT * p)} = CIT=(T/1-T)* (1-(WCLTD/R)) = 1 / (1 - T) = (from line 23) Amortized Investment Tax Credit (266.8.f) (enter negative) Tax Effect of Permanent Differences and AFUDC Equity (Excess)/Deficient Deferred Income Taxes Income Tax Calculation ITC adjustment Permanent Differences and AFUDC Equity Tax Adjustment (Excess)/Deficient Deferred Income Tax Adjustment Total Income Taxes Return and Taxes Return and Taxes Return and Income taxes with increase in ROE Return and Income taxes without increase in ROE Return and Income taxes with increase in ROE		(Sum Lines 18 to 20) (Line 1 * Line 21) Attachment H-28A, page 3, Line 29, Col. 3 Calculated Attachment H-28A, page 3, Line 31, Col. 3 Attachment H-28A, page 3, Line 32, Col. 3 Attachment H-28A, page 3, Line 33, Col. 3 Attachment H-28A, page 3, Line 34, Col. 3 (line 22 * line 24) (line 25 * line 26) Attachment H-28A, page 3, Line 37, Col. 3 Attachment H-28A, page 3, Line 38, Col. 3 Sum lines 29 to 32 (Line 22 + Line 33) Attachment H-28A, Page 3, Line 40, Col. 5 Attachment H-28A, Page 3, Line 39, Col. 5 Line 35 + Line 36 Line 36	28.899 32.329 1.4063 (99.685.00 386,605.38 (1,100,219.47 40,520,327.98 (140,188.36 543,688.32 (1,547,253,56 39,376,574.48 164,753,704.60

Notes

Line 17 to include an incentive ROE that is used only to determine the increase in return and incomes taxes associated with a specific increase in ROE. Any actual ROE incentive must be approved by the Commission. Until an ROE incentive is approved, line 17 will reflect the current ROE.

Gross Plant Calculation

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Production	Transmission	Distribution	Intangible	General	Common	Total
1 December	2020	_	2,062,205,506		46,570,986	67,982,676		2,176,759,168
2 January	2020	_	2,068,647,681	_	46,804,550	67,998,804	-	2,183,451,035
3 February	2021	_	2,071,758,532	_	47,051,707	67,999,379	_	2,186,809,617
4 March	2021	_	2,080,875,601	_	47,345,132	67,999,426	_	2,196,220,158
5 April	2021	-	2,087,694,697	-	48,031,412	67,999,424	-	2,203,725,533
6 May	2021	-	2,134,978,979	-	48,261,966	67,999,421	-	2,251,240,365
7 June	2021	-	2,181,819,727	-	49,338,357	67,999,417	-	2,299,157,501
8 July	2021	-	2,220,371,283	-	50,434,010	68,008,037	-	2,338,813,329
9 August	2021	-	2,226,493,431	-	51,327,755	77,552,043	-	2,355,373,229
10 September	2021	-	2,249,551,677	-	51,800,349	77,552,131	-	2,378,904,157
11 October	2021	-	2,274,095,183	-	56,834,343	77,876,068	-	2,408,805,595
12 November	2021	-	2,297,530,820	-	60,865,819	77,878,066	-	2,436,274,705
13 December	2021	-	2,435,106,784	-	69,113,394	80,746,273	-	2,584,966,451
14 13-month Ave	erage [A] [C]		2,183,933,069	-	51,829,214	71,968,551	-	2,307,730,834
		Production	Transmission	Distribution	todan allela	Camanal	_	Total
		FIOUUCTION	Transmission	Distribution	Intangible	General	Common	Total
	[B]	205.46.g	207.58.g	207.75.g	205.5.g	207.99.g	356.1	iotai
15 December	[B] 2020				Ū			2,176,770,822
15 December 16 January			207.58.g		205.5.g	207.99.g		
	2020		207.58.g 2,062,217,160		205.5.g 46,570,986	207.99.g 67,982,676		2,176,770,822
16 January	2020 2021		207.58.g 2,062,217,160 2,068,659,335		205.5.g 46,570,986 46,804,550	207.99.g 67,982,676 67,998,804		2,176,770,822 2,183,462,689
16 January 17 February	2020 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186		205.5.g 46,570,986 46,804,550 47,051,707	207.99.g 67,982,676 67,998,804 67,999,379		2,176,770,822 2,183,462,689 2,186,821,271
16 January 17 February 18 March	2020 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132	207.99.g 67,982,676 67,998,804 67,999,379 67,999,426		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813
16 January 17 February 18 March 19 April	2020 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352		205.5.8 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412	207.99.g 67,982,676 67,998,804 67,999,379 67,999,426 67,999,424		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188
16 January 17 February 18 March 19 April 20 May	2020 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,424 67,999,421		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019
16 January 17 February 18 March 19 April 20 May 21 June	2020 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,424 67,999,421 67,999,417		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155
16 January 17 February 18 March 19 April 20 May 21 June 22 July	2020 2021 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381 2,220,382,937		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357 50,434,010	207.99.g 67,982,676 67,998,804 67,999,379 67,999,426 67,999,424 67,999,421 67,999,417 68,008,037		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155 2,338,824,984
16 January 17 February 18 March 19 April 20 May 21 June 22 July 23 August	2020 2021 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381 2,220,382,937 2,226,505,086		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357 50,434,010 51,327,755	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,421 67,999,417 68,008,037 77,552,043		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155 2,338,824,984 2,355,384,884
16 January 17 February 18 March 19 April 20 May 21 June 22 July 23 August 24 September	2020 2021 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381 2,220,382,937 2,226,505,086 2,249,563,331		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357 50,434,010 51,327,755 51,800,349	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,421 67,999,417 68,008,037 77,552,043 77,552,131		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155 2,338,824,984 2,355,384,884 2,378,915,812
16 January 17 February 18 March 19 April 20 May 21 June 22 July 23 August 24 September 25 October	2020 2021 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381 2,220,382,937 2,226,505,086 2,249,563,331 2,724,106,838		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357 50,434,010 51,327,755 51,800,349 56,834,343	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,421 67,999,417 68,008,037 77,552,043 77,552,131 77,876,068		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155 2,338,824,984 2,355,384,884 2,378,915,812 2,408,817,250
16 January 17 February 18 March 19 April 20 May 21 June 22 July 23 August 24 September 25 October 26 November	2020 2021 2021 2021 2021 2021 2021 2021		207.58.g 2,062,217,160 2,068,659,335 2,071,770,186 2,080,887,255 2,087,706,352 2,134,990,633 2,181,831,381 2,220,382,937 2,226,505,086 2,249,563,331 2,744,106,838 2,297,542,474		205.5.g 46,570,986 46,804,550 47,051,707 47,345,132 48,031,412 48,261,966 49,338,357 50,434,010 51,327,755 51,800,349 56,834,343 60,865,819	207.99.8 67,982,676 67,998,804 67,999,379 67,999,426 67,999,421 67,999,417 68,008,037 77,552,043 77,552,131 77,876,068 77,878,066		2,176,770,822 2,183,462,689 2,186,821,271 2,196,231,813 2,203,737,188 2,251,252,019 2,299,169,155 2,338,824,984 2,355,384,884 2,378,915,812 2,408,817,250 2,436,286,360

	Asset Retirement Co	sts						
			Production	Transmission	Distribution	Intangible	General	Common
		[B]	205.44.g	207.57.g	207.74.g	company records	207.98.g	company records
29	December	2020		11,654				
30	January	2021		11,654				
31	February	2021		11,654				
32	March	2021		11,654				
33	April	2021		11,654				
34	May	2021		11,654				
35	June	2021		11,654				
36	July	2021		11,654				
37	August	2021		11,654				
38	September	2021		11,654				
39	October	2021		11,654				
40	November	2021		11,654				
41	December	2021		11,654				
42	13-month Average			11,654	-	-	-	-

Notes:

- [A] Included on Attachment H-28A, page 2, lines 1-6, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes Asset Retirements Costs
- [D] Met-Ed retained 34.5kV lines

Accumulated Depreciation Calculation

			[1]	[2]	[3]	[4]	[5]	[6]	[7]
			Production	Transmission	Distribution	Intangible	General	Common	Total
1	December	2020		339,904,096	_	6,121,117	10,563,257		356,588,470
2	January	2021	_	341,211,443	_	6,457,333	10,713,012	_	358,381,788
3	February	2021	_	342,009,058	_	6,790,571	10,863,866	_	359,663,495
4	March	2021	_	341,484,513	_	7,122,390	11,014,756	_	359,621,660
5	April	2021	-	340,968,070	-	7,429,220	11,165,650	-	359,562,940
6	May	2021	-	338,605,143	-	7,763,426	11,316,543	_	357,685,112
7	June	2021	-	337,222,920	-	8,044,081	11,467,437	-	356,734,438
8	July	2021	-	336,987,627	-	8,325,595	11,617,848	-	356,931,070
9	August	2021	-	338,974,845	-	8,619,174	11,234,506	-	358,828,525
10	September	2021	-	339,580,606	-	8,939,283	11,535,171	-	360,055,060
11	October	2021	-	339,631,898	-	8,967,994	11,815,410	-	360,415,301
12	November	2021	-	340,162,765	-	9,060,942	12,116,456	-	361,340,163
13	December	2021	-	332,989,895	-	8,664,549	12,255,497	-	353,909,941
14	13-month Avera	ige [A] [C]	-	339,210,222	-	7,869,667	11,359,954	-	358,439,843.29
			Production	Transmission	Distribution	Intangible	General	Common	Total
		[B]	Production 219.20-24.c	Transmission 219.25.c	Distribution	Intangible 200.21.c	General	Common 356.1	Total
15	December	[B] 2020				_			Total 356,596,911
15 16	December January			219.25.c		200.21.c	219.28.c		
		2020		219.25.c 339,912,538		200.21.c 6,121,117	219.28.c 10,563,257		356,596,911
16	January	2020 2021		219.25.c 339,912,538 341,219,903		200.21.c 6,121,117 6,457,333	219.28.c 10,563,257 10,713,012		356,596,911 358,390,249
16 17	January February	2020 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538		200.21.c 6,121,117 6,457,333 6,790,571	219.28.c 10,563,257 10,713,012 10,863,866		356,596,911 358,390,249 359,671,975
16 17 18	January February March	2020 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756		356,596,911 358,390,249 359,671,975 359,630,158
16 17 18 19	January February March April	2020 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458
16 17 18 19 20	January February March April May	2020 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649
16 17 18 19 20 21	January February March April May June	2020 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993
16 17 18 19 20 21	January February March April May June July	2020 2021 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476 336,996,202		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081 8,325,595	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437 11,617,848		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993 356,939,645
16 17 18 19 20 21 22 23	January February March April May June July August	2020 2021 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476 336,996,202 338,983,439		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081 8,325,595 8,619,174	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437 11,617,848 11,234,506		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993 356,939,645 358,837,119
16 17 18 19 20 21 22 23	January February March April May June July August September	2020 2021 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476 336,996,202 338,983,439 339,589,218		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081 8,325,595 8,619,174 8,939,283	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437 11,617,848 11,234,506 11,535,171		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993 356,939,645 358,837,119 360,063,672
16 17 18 19 20 21 22 23 24 25	January February March April May June July August September October	2020 2021 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476 336,996,202 338,983,439 339,589,218 339,640,529		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081 8,325,595 8,619,174 8,939,283 8,967,994	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437 11,617,848 11,234,506 11,535,171 11,815,410		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993 356,939,645 358,837,119 360,063,672 360,423,932
16 17 18 19 20 21 22 23 24 25 26	January February March April May June July August September October November	2020 2021 2021 2021 2021 2021 2021 2021		219.25.c 339,912,538 341,219,903 342,017,538 341,493,012 340,976,588 338,613,679 337,231,476 336,996,202 338,983,439 339,589,218 339,640,529 340,171,416		200.21.c 6,121,117 6,457,333 6,790,571 7,122,390 7,429,220 7,763,426 8,044,081 8,325,595 8,619,174 8,939,283 8,967,994 9,060,942	219.28.c 10,563,257 10,713,012 10,863,866 11,014,756 11,165,650 11,316,543 11,467,437 11,617,848 11,234,506 11,535,171 11,815,410 12,116,456		356,596,911 358,390,249 359,671,975 359,630,158 359,571,458 357,693,649 356,742,993 356,939,645 358,837,119 360,063,672 360,423,932 361,348,814

Reserve for De	preciation of As	set Retirement C	osts				
		Production	Transmission	Distribution	Intangible	General	Common
	[B]		Company Records				
December 29	2020		8,442				
January	2021		8,461				
February	2021		8,480				
March	2021		8,499				
33 April	2021		8,518				
May	2021		8,537				
June	2021		8,556				
6 July	2021		8,575				
7 August	2021		8,594				
8 September	2021		8,613				
9 October	2021		8,632				
November	2021		8,650				
11 December	2021		8,669				
2 13-month Avera	age		8,556	-	-	-	-

Notes:

- [A] Included on Attachment H-28A, page 2, lines 7-11, Col. 3
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] Balance excludes reserve for depreciation of asset retirement costs

1,299,127

ADIT Calculation

For the 12 months ended 12/31/2021

		[1]	[2]	[3]	[4]	[5]	[6]	
		ADIT Transmission Tota	l (including Plant & Labor F	Related Transmission A	DITs and applicable tr	ansmission adjustments	from notes below	
		Acct. No. 281	Acct. No. 282	Acct. No. 283	Acct. No. 190	Acct. No. 255	Total	
		(enter negative)	(enter negative)	(enter negative)		(enter negative)		
			[C]	[D]	[E]	[F]		
1 December 31	2020	-	(343,148,681)	(7,643,729)	11,146,826	-	(339,645,584)	
2 December 31	2021	=	(355,380,494)	(5,431,780)	11,956,834	=	(348,855,439)	
3 Begin/End Average	[A]	-	(349,264,588)	(6,537,754)	11,551,830	-	(344,250,512)	
ADIT Total Transmission-related only, including Plant & Labor Related Transmission ADITs (prior to adjustments from notes below)								
		Acct. No. 281 ADIT Total Transmission	Acct. No. 282 on-related only, including	Acct. No. 283 Plant & Labor Related	Acct. No. 190 Transmission ADITs (Acct. No. 255 prior to adjustments fro	Total om notes below)	
	[B]	ADIT Total Transmission						
4 December 31		ADIT Total Transmission	on-related only, including	Plant & Labor Related	Transmission ADITs (prior to adjustments fro		
4 December 31 5 December 31	[B]	ADIT Total Transmission	on-related only, including to 275.2.k	Plant & Labor Related 277.9.k	Transmission ADITs (234.8.c	prior to adjustments fro 267.h	om notes below)	
	[B] 2020	ADIT Total Transmission	on-related only, including 1 275.2.k 278,769,426	Plant & Labor Related 277.9.k (14,568,767)	Transmission ADITs (234.8.c 17,073,746	prior to adjustments fro 267.h 2,130,100	om notes below) 283,404,504	
	[B] 2020	ADIT Total Transmission	on-related only, including 1 275.2.k 278,769,426	Plant & Labor Related 277.9.k (14,568,767)	Transmission ADITs (234.8.c 17,073,746	prior to adjustments fro 267.h 2,130,100	om notes below) 283,404,504	

Notes:

- [A] Beginning/Ending Average with adjustments for FAS143, FAS106, FAS109, CIACs and normalization to populate Appendix H-28A, page 2, lines 19-23, col. 3 for accounts 281, 282, 283, 190, and 255, respectively
- [B] Reference for December balances as would be reported in FERC Form 1.
- [C] FERC Account No. 282 is adjusted for the following items.

	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]
202	0 -	(7,426,962)	(56,952,294)	-	-	-	-
202	1 -	(7,255,461)	(52,538,123)	-	-	-	19,617,913
[D] FERC Account No. 283 is adjusted for the followi	ng items.						
	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]
202	0 -	=	(22,212,496)	-	-	-	-
202	1 -	-	(20,550,382)	-	-	-	(3,547,620)
[E] FERC Account No. 190 is adjusted for the following	ng items:						
	FAS 143 - ARO	FAS 106	FAS 109	CIAC	Other: [H]	Other: [H]	Normalization [G]

(1,418,437)

(1,135,488)

7,345,357

6,860,564

- [F] See Attachment H-28A, page 5, note K; A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f).
- [G] Taken from Attachment 5a, page 2, col. 4.
- [H] Include any additional adjustments to ADIT items as may be recognized in the future to be proper for PTRR/ATRR calculation purposes.

2020

2021

ADIT Normalization Calculation

[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
			2	2021 Quarterly Act	ivity and Balances			
Beginning 190 (including								
adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
11,146,826	523,332	11,670,158	560,650	12,230,807	505,089	12,735,896	520,065	13,255,961
Danisasian 100 finals ii								
Beginning 190 (including adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
11,146,826	395,725		284,165		128,694		1,425	
	333,123						_,,	
Beginning 282 (including	Q1 Activity	Ending O1	O2 Activity	Ending O2	O2 Activity	Ending O2	O4 Activity	Ending O4
adjustments) 343,148,681	7,902,755	Ending Q1 351,051,436	Q2 Activity 8,466,281	Ending Q2 359,517,717	Q3 Activity 7,627,267	Ending Q3 367,144,985	Q4 Activity 7,853,422	Ending Q4 374,998,407
0 10,1 10,001	.,502,.50	201,001, .00	0,100,201	000,017,717	.,02.,20.	20.71,500	.,000,	0. 1,000,101
Beginning 282 (including								
adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
343,148,681	5,975,782		4,291,129		1,943,386		21,516	
Beginning 283 (including								
adjustments)	Q1 Activity	Ending Q1	Q2 Activity	Ending Q2	Q3 Activity	Ending Q3	Q4 Activity	Ending Q4
7,643,729	(1,429,101)	6,214,628	(1,531,006)	4,683,622	(1,379,283)	3,304,339	(1,420,180)	1,884,160
Beginning 283 (including								
adjustments)	Pro-rated Q1		Pro-rated Q2		Pro-rated Q3		Pro-rated Q4	
7,643,729	(1,080,635)		(775,990)		(351,434)		(3,891)	

Attachment H-28A, Attachment 5a page 2 of 2 For the 12 months ended 12/31/2021

ADIT Normalization Calculation

	ADIT NOTHIALIZACION C				
	[1]	[2]	[3]	[4]	[5]
2021 Activity	FERC Form 1 - Year- End (sourced from Attachment 5, page 1, line 5)	Prorated year- end less FERC Form 1 Year- end	Sum of FAS143, FAS106, FAS109, CIAC and Other from Attachment 5, page 1, notes	Total Normalization to Attachment 5 (col. 2 - col. 3)	Ending Balance for formula rate (col. 1 - col. 3 col. 4)
Pro-rated Total	18,981,038	7,024,203	5,725,077	1,299,127	11,956,834
Pro-rated Total	315,204,823	(40,175,671)	(59,793,584)	19,617,913	355,380,494
Pro-rated Total	(18,666,223)	(24,098,002)	(20,550,382)	(3,547,620)	5,431,780

Attachment H-28A, Attachment 5b page 1 of 3 For the 12 months ended 12/31/2021

ADIT Detail

	COLUMN A	COLUMN B	COLUMN C	COLUMN D
		BALANCE AS	BALANCE AS	AVERAGE
		OF 12-31-20	OF 12-31-21	BALANCE
	ACCOUNT 255:			
	Investment Tax Credit	2,130,100	2,030,415	2,080,257
1	TOTAL ACCOUNT 255	2,130,100	2,030,415	
	ACCOUNT 282:			
	263A Capitalized Overheads	21,350,731	20,661,052	21,005,891
	Accelarated Depreciation	256,236,838	281,214,630	268,725,734
	AFUDC	4,544,959	5,571,968	5,058,464
	AFUDC Equity	10,781,427	14,655,780	12,718,603
	Capitalized Benefits	5,209,325	5,099,404	5,154,364
	Capitalized Tree Trimming	6,962,212	7,106,092	7,034,152
	Casualty Loss	177,792	(483,394)	(152,801)
	OPEBs	(7,426,962)	(7,255,461)	(7,341,211)
	Other	(3,790,848)	(3,892,797)	(3,841,822)
	Repairs	52,457,672	59,721,452	56,089,562
	FAS109 Related to Property	(67,733,720)	(67,193,903)	(67,463,812)
2	TOTAL ACCOUNT 282	278,769,426	315,204,823	

Attachment H-28A, Attachment 5b
page 2 of 3
For the 12 months ended 12/31/2021

ADIT Detail

COLUMN A	COLUMN B	COLUMN C	COLUMN D
	BALANCE AS	BALANCE AS	AVERAGE
	OF 12-31-20	OF 12-31-21	BALANCE

(14,568,767) (18,666,223)

ACCOUNT 283:

AFUDC Equity Flow Thru (Gross up)	4,380,639	5,954,841	5,167,740
Property FAS109	(26,593,136)	(26,505,224)	(26,549,180)
PJM Receivable	5,607,869	0	2,803,935
Vegetation Management - FERC Adjustment	690,229	517,672	603,950
State Income Tax Deductible	1,296,960	1,296,960	1,296,960
Deferred Charge-EIB	48,670	69,528	59,099

3 TOTAL ACCOUNT 283

Attachment H-28A, Attachment 5b page 3 of 3 For the 12 months ended 12/31/2021

ADIT Detail

4

	COLUMN A	COLUMN B	COLUMN C	COLUMN D
		BALANCE AS	BALANCE AS	AVERAGE
		OF 12-31-20	OF 12-31-21	BALANCE
	ACCOUNT 190:			
	Capitalized Interest	5,066,187	7,346,001	6,206,094
	Contribution in Aid of Construction	7,345,357	6,860,564	7,102,961
	Federal Long Term	309,218	309,218	309,218
	Investment Tax Credit	865,488	824,985	845,237
	PJM Payable	5,591,844	5,591,844	5,591,844
	Charitable Contribution Carryforward	4,793	4,793	4,793
	Lease ROU Asset & Liability	(2,247,271)	(2,172,128)	(2,209,700)
	NOL Deferred Tax Asset - LT PA	2,418,881	2,173,060	2,295,970
	Pension EDCP-SERP Payments	3,173	3,173	3,173
	FAS109 Related to Property	(2,283,926)	(1,960,473)	(2,122,199)
•	TOTAL ACCOUNT 190	17,073,746	18,981,038	18,027,392
	·			

1 Calculation of PBOP Expenses

2	<u>MAIT</u>	<u>Amount</u>	Source
3	Total FirstEnergy PBOP expenses	(108,686,300)	FirstEnergy 2015 Actuarial Study
4	Labor dollars (FirstEnergy)	2,024,261,894	FirstEnergy 2015 Actual: Company Records
5	cost per labor dollar (line 3 / line 4)	-\$0.0537	
6	labor (labor not capitalized) current year	22,721,464	MAIT Labor: Company Records
7	PBOP Expense for current year (line 5 * line 6)	-\$1,219,957	
8	PBOP expense in Account 926 for current year	(583,286)	MAIT Account 926: Company Records
9	PBOP Adjustment for Attachment H-28A, page 3, line 9 (line 7 - line 8)	(636,671)	

¹⁰ Lines 3-4 cannot change absent a Section 205 or 206 filing approved or accepted by FERC in a separate proceeding

Taxes Other than Income Calculation

		[A]	Dec 31, 2021
1	Payroll Taxes		
1a	FICA	263.i	497,061
1b		263.i	-
1c		263.i	-
1z	Payroll Taxes Total		497,061
2	Highway and Vehicle Taxes		
2a		263.i	-
2z	Highway and Vehicle Taxes		-
2	Property Taxes		
3 3a	Property Tax	263.i	108,828
3b	rioperty lax	203.1	100,828
3c			_
3z	Property Taxes		108,828
4	Gross Receipts Tax		
4a		263.i	-
4z	Gross Receipts Tax		-
5	Other Taxes		
5a		263.i	-
5b		263.i	-
5c	au =		-
5z	Other Taxes		-
6z	Payments in lieu of taxes		
UZ	rayments in neu or taxes		
7	Total other than income taxes (sum lines 1z, 2z, 3z, 4z, 5 [tie to 114.14c]	5z, 6z)	\$605,889

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

Capital Structure Calculation

 $page\ 1\ of\ 1$ For the 12 months ended 12/31/2021

		[1]	[2]	[3]	[4]	[5]	[6]	[7]
		Proprietary	Preferred Stock	Account 216.1	Account 219	Goodwill	Common Stock	Long Term Debt
		Capital						
	[A]	112.16.c	112.3.d	112.12.c	112.15.c	233.5.f	(1) - (2) - (3) - (4) - (5)	112.24.c
1 December	2020	1,188,006,499				223,591,970	964,414,529	699,917,176
2 January	2021	1,196,674,115				223,591,970	973,082,145	699,918,112
3 February	2021	1,205,455,999				223,591,970	981,864,029	699,919,048
4 March	2021	1,214,489,154				223,591,970	990,897,184	699,919,984
5 April	2021	1,223,676,922				223,591,970	1,000,084,952	699,920,920
6 May	2021	1,233,814,546				223,591,970	1,010,222,576	699,921,856
7 June	2021	1,494,189,709				223,591,970	1,270,597,739	699,922,792
8 July	2021	1,504,334,869				223,591,970	1,280,742,899	849,923,728
9 August	2021	1,514,099,983				223,591,970	1,290,508,013	849,924,664
10 September	2021	1,524,098,815				223,591,970	1,300,506,845	849,925,600
11 October	2021	1,534,176,229				223,591,970	1,310,584,259	849,926,536
12 November	2021	1,544,187,876				223,591,970	1,320,595,906	849,927,472
13 December	2021	1,438,002,349				223,591,970	1,214,410,379	849,928,407
14 13-month Avera	age	1,370,400,543	-	-	-	223,591,970	1,146,808,573	769,153,561

Notes:

[A] Reference for December balances as would be reported in FERC Form 1.

Formula Rate Protocols Section VIII.A

1. Rate of Return on Common Equity ("ROE")

MAIT's stated ROE is set to: 10.3%

Postretirement Benefits Other Than Pension ("PBOP")
 *sometimes referred to as Other Post Employment Benefits, or "OPEB"

Total FirstEnergy PBOP expenses (108,686,300) Labor dollars (FirstEnergy) 2,024,261,894

3. Depreciation Rates

352 1.28% 353 2.05% 354 1.39% 355 2.32% 356 2.68% 358 2.52% 359 0.87% 390.1 2.90% 391.2 1.24% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
354 1.39% 355 2.32% 356 2.68% 356.1 1.27% 358 2.52% 359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
355 2.32% 356 2.68% 356.1 1.27% 358 2.52% 359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
356 2.68% 356.1 1.27% 358 2.52% 359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
356.1 1.27% 358 2.52% 359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
358 2.52% 359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
359 0.87% 390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
390.1 2.90% 390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
390.2 1.24% 391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
391.1 0.63% 391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
391.2 18.82% 392 4.84% 393 0.01% 394 4.62% 395 0.00%
392 4.84% 393 0.01% 394 4.62% 395 0.00%
393 0.01% 394 4.62% 395 0.00%
394 4.62% 395 0.00%
395 0.00%
396 0.47%
397 1.80%
398 0.32%
303 14.29%

4. Net Plant Allocator

of any new depreciation or amortization rates applicable to production and/or distribution plant accounts.

If Land Rights (Account 350) are acquired by MAIT, it must make a Section 205 filing to establish the appropriate depreciation rate.

Attachment H-28A, Attachment 10 page 1 of 1 For the 12 months ended 12/31/2021

Debt Cost Calculation

TABLE 1: Summary Cost of Long Term Debt CALCULATION OF COST OF DEBT YEAR ENDED 12/31/2021 (b) (g) Average Net Outstanding in Year* z* ((col e. * col. F)/12) Weighted Debt Cost at t = N (h) * (i) Months Outstanding at t=N Effective Cost Rate (Table 2, Col. II) ORIGINAL ISSUANCE (table 2, col. cc) Net Proceeds At Issuance (table 2, col. hh) Long Term Debt Cost at Year Er 12/31/2021
First Mortgage Bonds:
(19. 40%, Senior Usecuren Note
(2) 3.60%, Senior Usecuren Note
(3) 3.07%, Senior Usecuren Note
(4) 3.00%, Senior Usecuren Note
(4) 3.00%, Senior Usecuren Note Maturity Date 5/10/2018 3/31/2020 3/31/2020 7/1/2021 5/15/2028 4/1/2032 4/1/2035 7/1/2031 \$ 450,000,000 \$ 125,000,000 \$ 125,000,000 \$ 150,000,000 \$ 445,906,699 \$ 124,182,500 \$ 124,182,500 \$ 148,500,000 \$ 447,563,736 \$ 124,301,719 \$ 124,277,875 \$ 148,575,000 \$ 447,563,736 \$ 124,301,719 \$ 124,277,875 \$ 74,287,500 58.09% 16.13% 16.13% 9.64% 4.21% 3.67% 3.76% 3.12% 2.45% 0.59% 0.61% 0.30% \$ 850,000,000 \$ 844,718,330 \$ 770,430,830 100.000% I is time:
The common form of long term ded to included in the Not Amount Counterform of long term of the Counterform of long term of the Counterform of long term of the Not Amount Counterform of long term of the Not Amount Counterform of long term of the Not Amount Counterform of long the Not A

TABLE 2: Effective Cost Rates For Trac	ditional Front-Loaded Debt Iss	uances:										
YEAR ENDED 12	2/31/2021											
	(aa)	(bb)	(cc)	(dd)	(ee)	(ff)	(gg)	(hh)	(ii)	(ii)	(kk)	(11)
	term.	Maturity	Amount	(Discount) Premium	Issuance	Loss/Gain on Reacquired	Less Related ADIT	Net	Net Proceeds	Coupon	Annual	Effective Cost Rate (Yield to Maturity
Long Term Debt Issuances Affiliate	Issue Date	Date	Issued	at Issuance	Expense	Debt	AUII	Proceeds	Ratio	Rate	Interest	at Issuance, t = 0
Long Term Debt Issuances Annuale	Date	Date	Issueu	at issualice	Expense	Debt		+ col. ee + col.	((col. cc / col.	Rate	ilitelest	at issuance, t = 0)
								ff)	hh)*100)		(col. cc * col. jj)	
(1) 4.10%. Senior Unsecured Note	5/10/2018	5/15/2028	\$ 450,000,000	\$ (112.500)	\$ 3,980,801		XXX	\$ 445.906.699	99.0904	0.04100	\$ 18.450.000	4.21%
(2) 3.60%, Senior Unsecured Note	3/31/2020	4/1/2032	\$ 125,000,000	\$ -	\$ 817,500		xxx	\$ 124,182,500	99.3460	0.03600	\$ 4,500,000	3.67%
(3) 3.70%, Senior Unsecured Note	3/31/2020	4/1/2035	\$ 125,000,000	\$ -	\$ 817,500		XXX	\$ 124,182,500	99.3460	0.03700	\$ 4,625,000	3.76%
(4) 3.00%, Senior Unsecured Note - Planned	7/1/2021	7/1/2031	150,000,000	\$ -	1,500,000			\$ 148,500,000	99.0000	0.03000	\$ 4,500,000	3.12%
TOTALS			\$ 850,000,000	(112.500)	\$ 7.115.801		xxx	\$ 842,771,699			\$ 32.075.000	
* YTM at issuance calculated from an acceptable bond to	able or from YTM = Internal Rate of Return (RR) calculation										
Effective Cost Rate of Individual Debenture (YTM at issue			il (or other) interest cashflows (C,	₁₊₁ , C ₁₊₂ , etc.).								

Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-28A

	(1)	(2)	(3)	(4)
Line No.		Reference	Transmission	Allocator
1 2	Gross Transmission Plant - Total Net Transmission Plant - Total	Attach. H-28A, p. 2, line 2, col. 5 (Note A) Attach. H-28A, p. 2, line 14, col. 5 (Note B)	\$ 2,183,933,06 \$ 1,844,722,84	
3 4	O&M EXPENSE Total O&M Allocated to Transmission Annual Allocation Factor for O&M	Attach. H-28A, p. 3, line 15, col. 5 (line 3 divided by line 1, col. 3)	\$ 77,817,30 3.563173	
5 6	GENERAL. INTANGIBLE. AND COMMON (G.I. & C) DEPRECIATION EXPENSE Total G, I, & C depreciation expense Annual allocation factor for G, I, & C depreciation expense	Attach. H-28A, p. 3, lines 17 & 18, col. 5 (line 5 divided by line 1, col. 3)	\$ 6,730,84 0.308198	
7 8	TAXES OTHER THAN INCOME TAXES Total Other Taxes Annual Allocation Factor for Other Taxes	Attach. H-28A, p. 3, line 28, col. 5 (line 7 divided by line 1, col. 3)	\$ 605,88 0.027743	
9	Annual Allocation Factor for Expense	Sum of line 4, 6, & 8		3.899114%
10 11	INCOME TAXES Total Income Taxes Annual Allocation Factor for Income Taxes	Attach: H-28A, p. 3, line 39, col. 5 (line 10 divided by line 2, col. 3)	\$ 39,376,57 2.134552	
12 13	RETURN Return on Rate Base Annual Allocation Factor for Return on Rate Base	Attach. H-28A, p. 3, line 40, col. 5 (line 12 divided by line 2, col. 3)	\$ 125,377,13 6.796529	
14	Annual Allocation Factor for Return	Sum of line 11 and 13		8.931082%

15	Additional Annual Allocation Factor for Return	Line 14 b, col. 9 les:	line 14, co	ol. 4	0.00000%
14b	Annual Allocation Factor for Return	Sum of line 11b and 13b			8.931082%
12b 13b	RETURN Return on Rate Base Annual Allocation Factor for Return on Rate Base	Attachment 2, line 22 (line 12b divided by line 2, col. 3)	\$	125,377,130 6.796529%	6.796529%
10b 11b	NCOME TAXES Total become Taxes Annual Allocation Factor for Income Taxes	Attachment 2, line 33 (line 100 divided by line 2, col. 3)	s	39,378,574 2.134552%	2.134552%
Line No.		Reference	Ti	ansmission	Allocator
(5)	(6)	(7)		(8)	(9)
	Columns 5-9 (page 1) of	only applies with incentive ROE project(s)	(Note F)		

Transmission Enhancement Charge (TEC) Worksheet To be completed in conjunction with Attachment H-28A

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Project Name	RTEP Project Number	Project Gr Plant	ss Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	Additional Incentive Annual Allocation Factor for Return (Note F)	Total Annual Revenue Requirement	True-up Adjustment	Net Revenue Requirement with True-up
			(Note C &	H) (Page 1, line 9)	(Col. 3 * Col. 4)	(Note D & H)	Page 1, line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8, & 9)	(Col. 6 * Page 1, line 15, Col. 9)	(Sum Col. 10 & 11)	(Note G)	(Sum Col. 12 & 13)
2i 2i 2k 2i 2m	Initial 2000 series reactor and 2 - 100M/AR PLC switched capacitors at Heritalization Win/RC apparent 600 or Initial 200 M/AC acceptor of Septime 500 of Initial 200 M/AC acceptor of Septime 500 or Initial 200 M/AC acceptor of Septime 200 of Initial 500 M/AC acceptor of Reforms 200 of Initial 500 M/AC acceptor of Initial 500 M/AC acceptor of Reforms 200 M/AC acceptor of Initial 500 M/ACCEPTOR of Init	b0215 b0549 d	\$ 12,637, \$ 3,207, \$ 1,380, \$ 1,038, \$ 10,075, \$ 22,177, \$ 10,675, \$ 63,497, \$ 130, \$ 87,52, \$ 47,53, \$ 2,215, \$ 2,215, \$ 6,023, \$ 2,215, \$ 6,023, \$ 2,215,	334 3.899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 3899114%, 499 3.899118900000000000000000000000000000000	\$125,050 \$53,823 \$40,486 \$36,182 \$34,915 \$416,239 \$2,475,830 \$5,108 \$3,403 \$1,871 \$0 \$86,395 \$86,395 \$24,850	\$ 2,744,798 \$ 1,075,855 \$ 915,080 \$ 793,833 \$ 1,883,783 \$ 9,730,166 \$ 60,718,573 \$ 71,850 \$ 71,850 \$ 41,522 \$ - \$ 5,535,056 \$ 1,992,195	8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082% 8.931082%	\$878,788 \$245,140 \$96,086 \$81,725 \$70,898 \$166,456 \$889,009 \$5,422,826 \$9,466 \$6,417 \$3,708 \$494,340 \$177,925 \$490,082 \$221,274	\$ 44,258 \$ 18,940 \$ 14,329 \$ 12,806 \$ 29,867 \$ 147,089 \$ 913,500 \$ 2,885 \$ 1,789 \$ 614 \$. \$ 121,503 \$ 54,507 \$ 132,510	\$1,564,889 \$414,448 \$168,849 \$130,540 \$19,865 \$281,239 \$1,432,337 \$8,812,155 \$17,269 \$1,160 \$6,194 \$3,18,827 \$318,827 \$318,827 \$357,422 \$3		\$1,564,889 \$414,448 \$168,849 \$136,540 \$19,855 \$281,239 \$1,432,337 \$8,812,155 \$17,259 \$11,600 \$6,194 \$30 \$318,827 \$318,827 \$357,442 \$387,275	170,779 40,967 17,007 11,496 11,553 27,662 125,613 324,371 21,356 14,345 8,112 6,239 1,043,516 27,276 44,513 56,342	\$1,735,688 \$455,415 \$185,856 \$148,035 \$131,438 \$308,900 \$1,1557,950 \$9,136,528 \$25,954 \$14,308 \$6,239 \$1,890,480 \$346,103 \$346,103 \$346,103
2r 2s 2t 2u 2v	Replace wave trap and upgrade a bus section at Keystone 500 kV — on the Keystone — Anydade 500 kV . Install 100 MA/R Dymanie Reactive Device at Airvidate 5000 kV substation The inner Rice substation to Comenauch-Heritorium 500 kV . Upgrade terminal equipment at Comenaugh 500 kV on the Comenaugh - Hurtenstown 500 kV . Upgrade terminal equipment at Hurtenstown 500 kV on the Comenaugh - Hurtenstown 500 kV .		*	164 3.899114%	\$0 \$0 \$42.840 \$5,543 \$1,595	\$ 141,314	8.931082% 8.931082% 8.931082% 8.931082% 8.931082%	\$0 \$0 \$98.040 \$12,621 \$3,650	\$ - \$ 12.676 \$ 2,932	\$0 \$0 \$153.557 \$21,096 \$5,700	:	\$0 \$0 \$153,557 \$21,096 \$5,700	6,724 329.494	\$6,724 \$329,494 \$153,557 \$21,096 \$5,700
3	Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7											15,875,069.53		

Transmission Enhancement Credit taken to Attachment H-28A Page 1, Line 7
 Additional incentive Revenue taken to Attachment H-28A Page 3, Line 42

- Notes

 Costs Transmission Past is the Identified on page 2 in a 2 of Attachment H 28A.

 A Note Transmission Past is that Identified on page 2 in a 2 of Attachment H 28A.

 Note Transmission Past is belief under the Cost of Attachment H 28A.

 Project Cost Past is the bold conjugate a cost of Attachment H 28A.

 Project Cost Past is the bold conjugate investment for the project calculated in the same method as the gross plant value in fine 1 above. This value includes subsequent capital investments required to maintain the project in-service.

 Project Note Plant is the Project Costs Plant the testified in Column 3 less the associated Accommission of Project Interportation Expenses in the actual value booking for the project and coulded in the Depreciation.

 Project Note Plant is the Project Costs Plant the Interface of the project and coulded in the Depreciation.

 Project Depreciation Expenses is the actual value booking for the project and coulded in the Depreciation Expenses in Attachment H-28A, page 3, line 16.

 Any section RCE incessive must be approved by the Commission.

 If the Commission of the Project Country of the Project Cou

Line																	
No.	Project Name	RTEP Project Number			Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
			(N	lote A)													
	Install 230Kv series reactor and 2- 100MVAR PLC switched																
2a	capacitors at Hunterstown	ь0215	\$	12,637,431	\$ 12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431 \$	12,637,431
2b	Install 250 MVAR capacitor at Keystone 500 kV	ь0549	\$	3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134	\$3,207,134
2c	Install 25 MVAR capacitor at Saxton 115 kV substation	ь0551	\$	1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393	\$1,380,393
2d	Install 50 MVAR capacitor at Altoona 230 kV substation	ь0552	\$	1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335	\$1,038,335
2e	Install 50 MVAR capacitor at Raystown 230 kV substation	b0553	\$	927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947	\$927,947
2f	Install 75 MVAR capacitor at East Towarda 230 kV substation	ь0557	\$	2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814	\$2,177,814
2g	Relocate the Erie South 345 kV line terminal	Ы993	\$	10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225	\$10,675,225
-	Convert Lewis Run-Farmers Valley to 230 kV using 1033.5																
	ACSR conductor. Project to be completed in conjunction with																
2h	new Farmers Valley 345/230 kV transformation	b1994	\$	63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236	\$63,497,236
2i	Portland-Kittatinny 230kv Terminal Upgrade	ь0132.3	\$	130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995	\$130,995
	South Lebanon 230/69 kv Bank 1 - Upgrade 69 kv Terminal																
2i	Facilities	b1364	\$	87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275	\$87,275
2k	Middletown Sub - 69 kv Capacitor Bank	b1362	\$	47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992	\$47,992
21	Germantown - 138kv Reactor Removal	b1816.4	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Germantown r p 138 115kV #1 Bk Xfmr + Upgrade 138kV																
_	999L & 115kV 998L components RTEP b2688, b2688.1,		_														
2m	b2688.2	b2688.1 & b2688.2	\$	5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986	\$5,926,986
	Loop the 2026 (TMI - Hosensack 500 kV) line in to the																
2n	Lauschtown substation and upgrade relay at TMI 500 kV	b2006.1.1 DFAX Allocat	ti S	2.215.749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749
	10 /			_,	v=,=,			,,	v=,=,			,,		,,		4-,,-	v=,=10,,
_	Loop the 2026 (TMI - Hosensack 500 kV) line in to the																
20	Lauschtown substation and upgrade relay at TMI 500 kV	b2006.1.1_Load_Ratio_Sl	h \$	2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749	\$2,215,749
2p	Install 2nd Hunterstown 230/115 kV transformer	b2452	\$	6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169	\$6,023,169
'																	
	Reconductor Hunterstown - Oxford 115 kV line	104501	\$	2.721.723	60 501 500	60 501 500	60 501 500	60 501 500	60 501 500	60 501 500	\$2,721,723	\$2,721,723	60 501 500	60 501 500	60 501 500	\$2,721,723	60 501 500
2q	Reconductor Hunterstown - Oxford 113 kV line	b2452.1	3	2,/21,/23	\$2,721,723	\$2,721,723	\$2,721,723	\$2,721,723	\$2,721,723	\$2,721,723	\$2,721,723	\$2,/21,/23	\$2,721,723	\$2,721,723	\$2,721,723	\$2,/21,/23	\$2,721,723
	Replace wave trap and upgrade a bus section at Keystone 500 kV	1															
2r	- on the Keystone - Airydale 500 kV	ь0284.3	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	Install 100 MVAR Dynamic Reactive Device at Airydale 500 kV	•															
2s	substation	b0369	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2t	Tie in new Rice substation to Conemaugh-Hunterstown 500 kV	b2743.2	\$	1,098,720	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,283,355
	Upgrade terminal equipment at Conemaugh 500 kV: on the																
2u	Conemaugh - Hunterstown 500 kV circuit	b2743.3	\$	142,164	\$0	\$0	\$0	\$0	\$0	\$0	\$264,018	\$264,018	\$264,018	\$264,018	\$264,018	\$264,018	\$264,018
	Upgrade terminal equipment at Hunterstown 500 kV: on the																
2v	Conemaugh - Hunterstown 500 kV circuit	b2743.4	\$	40,908	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$531,800
				.,													. ,

[[]A Project Gross Plant is the total capital investment for the project, including subsequent capital investments required to maintain the project in-service. Utilizing a 13-month average.

.														Accumulated
Project Net Pla	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21	Jun-21	May-21	Apr-21	Mar-21	Feb-21	Jan-21	Dec-20	Depreciation
(Note B & C)	(Note D)	(Note B)												
\$9,839	\$2,894,445	\$2,878,333	\$2,862,220	\$2,846,107	\$2,829,994	\$2,813,882	\$2,797,769	\$2,781,656	\$2,765,544	\$2,749,431	\$2,733,318	\$2,717,205	\$2,701,093	\$2,797,769
\$2,744	\$484,465	\$480,777	\$477,089	\$473,401	\$469,712	\$466,024	\$462,336	\$458,648	\$454,960	\$451,271	\$447,583	\$443,895	\$440,207	\$462,336
\$1,075	\$314,008	\$312,430	\$310,851	\$309,273	\$307,695	\$306,116	\$304,538	\$302,960	\$301,381	\$299,803	\$298,225	\$296,646	\$295,068	\$304,538
\$915 \$793	\$130,439	\$129,245	\$128,051	\$126,857	\$125,663	\$124,469	\$123,275	\$122,081	\$120,886	\$119,692	\$118,498	\$117,304	\$116,110	\$123,275
\$793 \$1,863	\$140,517 \$328,965	\$139,450 \$326,476	\$138,383 \$323,987	\$137,315 \$321,498	\$136,248	\$135,181 \$316,520	\$134,114	\$133,047 \$311,542	\$131,980	\$130,913 \$306,565	\$129,845	\$128,778 \$301,587	\$127,711 \$299,098	\$134,114 \$314,031
\$9,730	\$1,018,604	\$1,006,347	\$994,089	\$981,832	\$319,009 \$969,574	\$957,317	\$314,031 \$945,059	\$932,802	\$309,054 \$920,545	\$908,287	\$304,076 \$896,030	\$883,772	\$299,098 \$871,515	\$945,059
\$9,730	\$1,018,004	\$1,000,347	3994,089	3981,832	3909,374	\$937,317	\$945,059	\$932,802	\$920,343	3908,287	\$890,030	\$883,772	\$8/1,313	\$945,059
\$60,718	\$3,235,412	\$3,159,288	\$3,083,163	\$3,007,038	\$2,930,913	\$2,854,788	\$2,778,663	\$2,702,538	\$2,626,413	\$2,550,288	\$2,474,163	\$2,398,038	\$2,321,913	\$2,778,663
\$105	\$26,350	\$26,126	\$25,902	\$25,678	\$25,455	\$25,231	\$25,007	\$24,783	\$24,560	\$24,336	\$24,112	\$23,888	\$23,664	\$25,007
\$71	\$16,319	\$16,170	\$16,021	\$15.872	\$15,723	\$15,574	\$15.425	\$15,276	\$15,127	\$14,977	\$14.828	\$14.679	\$14,530	\$15,425
\$41	\$6,777	\$6,726	\$6,675	\$6,623	\$6,572	\$6,521	\$6,470	\$6,419	\$6,367	\$6,316	\$6,265	\$6,214	\$6,163	\$6,470
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,535	\$452,682	\$442,557	\$432,431	\$422,306	\$412,181	\$402,056	\$391,930	\$381,805	\$371,680	\$361,555	\$351,429	\$341,304	\$331,179	\$391,930
\$1,992	\$250,807	\$246,265	\$241,723	\$237,180	\$232,638	\$228,096	\$223,554	\$219,011	\$214,469	\$209,927	\$205,384	\$200,842	\$196,300	\$223,554
\$1,992	\$250,807	\$246,265	\$241,723	\$237,180	\$232,638	\$228,096	\$223,554	\$219,011	\$214,469	\$209,927	\$205,384	\$200,842	\$196,300	\$223,554
\$5,487	\$602,043	\$591,001	\$579,958	\$568,916	\$557,873	\$546,831	\$535,788	\$524,746	\$513,703	\$502,661	\$491,618	\$480,576	\$469,534	\$535,788
\$2,477	\$274,091	\$269,101	\$264,111	\$259,122	\$254,132	\$249,142	\$244,152	\$239,162	\$234,172	\$229,183	\$224,193	\$219,203	\$214,213	\$244,152
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	60	60	60	60	60	60	60	60	60	60	60	60	60	60
\$1,097	\$0 \$12,676	\$0 \$0	\$0 \$975											
\$141	\$2,932	\$2,481	\$2,030	\$1,579	\$1,128	\$677	\$226	\$0	\$0	\$0	\$0	\$0	\$0	\$850
\$40	\$454	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$35

NOTE

[B] Utilizing a 13-month average. [C] Taken to Attachment 11, Page 2, Col. 6

[D] Company records

TEC - True-upTo be completed after Attachment 11 for the True-up Year is updated using actual data

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Line No.	Project Name	RTEP Project Number	Actual Revenues for Appendix D	Projected Annual Revenue Requirement	% of Total Revenue Requirement	Revenue Received	Actual Annual Revenue Requirement	True-up Adjustment Principal Over/(Under)	Applicable Interest Rate on Over/(Under)	Total True-up Adjustment with Interest Over(Under)
				Projected Attachment 11	Col d, line 2 /	Col c, line 1 *	Actual Attachment 11	0.17.0.1.0	Col. H line 2x / Col. H line 3 *	0-1 5 . 0-1 :
1	[A] Actual RTEP Credit Revenues for true-up year		14,922,371	p 2 of 2, col. 14	Col. d, line 3	Col e	p 2 of 2, col. 14	Col. f - Col. G	Col. J line 4	Col. h + Col. i
2a 2b 2c 2d 2e 2f 2g 2h 2i 2j 2k 2l 2m 2n 2o 2p 2p 2n 2c 2d 2d 2d 2d 2d 2d 2d 2d 2d 2d 2d 2d 2d	Install 230Kv series reactor and 2-100MVAR PLU Install 250 MVAR capacitor at Keystone 500 kV Install 250 MVAR capacitor at Keystone 500 kV Install 250 MVAR capacitor at Altoona 230 kV sub: Install 50 MVAR capacitor at Altoona 230 kV sub: Install 50 MVAR capacitor at East Towanda 230 I Relocate the Erie South 345 kV line terminal Convert Lewis Run-Farmers Valley to 230 kV usi Portland-Kittatinny 230kv Terminal Upgrade South Lebanon 230/69 kv Bank 1 - Upgrade 69 k Middletown Sub - 69 kv Capacitor Bank Germantown r p 138 115kV #1 Bk Xfmr + Upgrad Loop the 2026 (TMI - Hosensack 500 kV) line in t Loop the 2026 (TMI - Hosensack 500 kV) line in t Install 2nd Hunterstown 230/115 kV transformer Reconductor Hunterstown 20/115 kV transformer Reconductor Hunterstown 20/115 kV line Replace wave trap and upgrade a bus section at Install 100 MVAR Dynamic Reactive Device at Ai	b0549 b0551 b0552 b0553 b0557 b1993 b1384 b1382 b1816.4 £2688.1 & b2688 t.1.1_PFAX_All b2ad_Ratio_She b2452 b2452.1 b0284.3	ocation	\$1,521,328 \$402,934 \$166,244 \$134,126 \$116,815 \$273,534 \$1,396,767 \$8,661,798 \$313,679 \$313,679 \$360,387 \$5,787 \$283,576	0.11 0.03 0.01 0.01 0.01 0.02 0.10 0.61 - - - - 0.02 0.02 0.06 0.03 (0.00) (0.02)	1,594,471.84 422,306.81 173,188.70 140,575.05 122,431.73 286,684.99 1,463,922.13 9,078,246.13	\$1,748,517 \$459,259 \$188,529 \$150,944 \$132,852 \$311,636 \$1,577,227 \$9,370,834 \$19,264 \$12,940 \$7,317 \$5,628 \$941,269 \$353,364 \$353,364 \$948,735 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	(154,046) (36,952) (15,341) (10,369) (10,421) (24,951) (113,305) (29,2588) (19,264) (12,940) (7,317) (5,628) (941,269) (24,604) (40,152) (50,821) (6,066) (297,209)	(16,734) (4,014) (1,666) (1,126) (1,132) (2,710) (12,308) (31,783) (2,093) (1,406) (795) (611) (102,2477) (2,673) (4,362) (5,521) (659) (32,285)	(170,779) (40,967) (17,007) (11,496) (11,553) (27,662) (125,613) (324,371) (21,356) (14,345) (8,112) (6,239) (1,043,516) (27,276) (27,276) (44,513) (56,342) (6,724) (329,494)
3	Subtotal			14,237,835	-	-	17,010,217	(2,087,846)	-	(2,314,642)

4 Total Interest (Sourced from Attachment 13a, line 30) (226,796)

NOTE

[A] Amount included in revenues reported on pages 328-330 of FERC Form 1.

Net Revenue Requirement True-up with Interest

Reconciliation Revenue
Requirement For Year 2019
Available June 1, 2020

2019 Revenue Requirement Collected by PJM Based on Forecast filed on Oct 31, 2018 \$188,116,652 True-up Adjustment -Over (Under) Recovery (\$16,543,568)

		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
2	Interest Rate on Amount of Refunds or Surcharge	s ^[A]	0.420%				
	An over or under collection will be recovered p	ororata over 2018, held for 2019 and re	turned prorate over 2020				
	Calculation of Interest				Monthly		
3	January Year 2019	(1,378,631)	0.4195%	12	69,400		1,448,031
4	February Year 2019	(1,378,631)	0.4195%	11	63,617		1,442,248
5	March Year 2019	(1,378,631)	0.4195%	10	57,834		1,436,464
6	April Year 2019	(1,378,631)	0.4195%	9	52,050		1,430,681
7	May Year 2019	(1,378,631)	0.4195%	8	46,267		1,424,898
8	June Year 2019	(1,378,631)	0.4195%	7	40,483		1,419,114
9	July Year 2019	(1,378,631)	0.4195%	6	34,700		1,413,331
10	August Year 2019	(1,378,631)	0.4195%	5	28,917		1,407,547
11	September Year 2019	(1,378,631)	0.4195%	4	23,133		1,401,764
12	October Year 2019	(1,378,631)	0.4195%	3	17,350		1,395,981
13	November Year 2019	(1,378,631)	0.4195%	2	11,567		1,390,197
14	December Year 2019	(1,378,631)	0.4195%	1_	5,783		1,384,414
					451,102		16,994,670
					Annual		
15	January through December Year 2020	16,994,670	0.4195%	12	855,512		17,850,182
	Over (Under) Recovery Plus Interest Amortized	and Recovered Over 12 Months			Monthly		
16	January Year 2021	(17,850,182)	0.4195%		74,882	(1,528,387)	16,396,676
17	February Year 2021	(16,396,676)	0.4195%		68,784	(1,528,387)	14,937,073
18	March Year 2021	(14,937,073)	0.4195%		62,661	(1,528,387)	13,471,347
19	April Year 2021	(13,471,347)	0.4195%		56,512	(1,528,387)	11,999,472
20	May Year 2021	(11,999,472)	0.4195%		50,338	(1,528,387)	10,521,422
21	June Year 2021	(10,521,422)	0.4195%		44,137	(1,528,387)	9,037,172
22	July Year 2021	(9,037,172)	0.4195%		37,911	(1,528,387)	7,546,696
23	August Year 2021	(7,546,696)	0.4195%		31,658	(1,528,387)	6,049,967
24	September Year 2021	(6,049,967)	0.4195%		25,380	(1,528,387)	4,546,960
25	October Year 2021	(4,546,960)	0.4195%		19,074	(1,528,387)	3,037,647
26	November Year 2021	(3,037,647)	0.4195%		12,743	(1,528,387)	1,522,002
27	December Year 2021	(1,522,002)	0.4195%	_	6,385	(1,528,387)	0
				_	490,465		
28	True-Up with Interest					\$ (18,340,647)	
29	Less Over (Under) Recovery					\$ (16,543,568)	
30	Total Interest					\$ (1,797,079)	

[[]A] Interest rate equal to: (i) MAIT's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19a; or (ii) the interest rate determined by 18 C.F.R. 35.19, if MAIT does not have short term debt

TEC Revenue Requirement True-up with Interest

TEC Reconciliation Revenue
Requirement For Year 2019
Available June 1, 2020

TEC 2019 Revenue Requirement
Collected by PJM Based on Forecast
filled on Oct 31, 2018

True-up AdjustmentOver (Under)
Recovery

1 \$17,010,217 - \$14,922,371 = (\$2,087,846)

2	Interest Rate on Amount of Refunds or Surcharge	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.420%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
	An over or under collection will be recovered p	ororata over 2018, held for 2019 and re	turned prorate over 2020				
	<u>Calculation of Interest</u>				Monthly		
3	January Year 2019	(173,987)	0.4195%	12	8,759		182,746
4	February Year 2019	(173,987)	0.4195%	11	8,029		182,016
5	March Year 2019	(173,987)	0.4195%	10	7,299		181,286
6	April Year 2019	(173,987)	0.4195%	9	6,569		180,556
7	May Year 2019	(173,987)	0.4195%	8	5,839		179,826
8	June Year 2019	(173,987)	0.4195%	7	5,109		179,096
9	July Year 2019	(173,987)	0.4195%	6	4,379		178,366
10	August Year 2019	(173,987)	0.4195%	5	3,649		177,637
11	September Year 2019	(173,987)	0.4195%	4	2,920		176,907
12	October Year 2019	(173,987)	0.4195%	3	2,190		176,177
13	November Year 2019	(173,987)	0.4195%	2	1,460		175,447
14	December Year 2019	(173,987)	0.4195%	1_	730		174,717
					56,930		2,144,776
					Annual		
15	January through December Year 2020	2,144,776	0.4195%	12	107,968		2,252,744
	Over (Under) Recovery Plus Interest Amortized	and Recovered Over 12 Months			Monthly		
16	January Year 2021	(2,252,744)	0.4195%		9,450	(192,887)	2,069,307
17	February Year 2021	(2,069,307)	0.4195%		8,681	(192,887)	1,885,101
18	March Year 2021	(1,885,101)	0.4195%		7,908	(192,887)	1,700,122
19	April Year 2021	(1,700,122)	0.4195%		7,132	(192,887)	1,514,368
20	•	(1,514,368)	0.4195%		6,353	(192,887)	1,327,834
21	June Year 2021	(1,327,834)	0.4195%		5,570	(192,887)	1,140,517
22	July Year 2021	(1,140,517)	0.4195%		4,784	(192,887)	952,415
23	August Year 2021	(952,415)	0.4195%		3,995	(192,887)	763,523
24		(763,523)	0.4195%		3,203	(192,887)	573,839
25	October Year 2021	(573,839)	0.4195%		2,407	(192,887)	383,360
26	November Year 2021	(383,360)	0.4195%		1,608	(192,887)	192,081
27	December Year 2021	(192,081)	0.4195%		806	(192,887)	(0)
		,		-	61,898	,,	
20	True He with Interest					(2.244.640)	
28 29					\$,	
	Less Over (Under) Recovery				\$		
50	Total Interest				\$	(226,796)	

[[]A] Interest rate equal to: (i) MAIT's actual short-term debt costs capped at the interest rate determined by 18 C.F.R. 35.19a; or (ii) the interest rate determined by 18 C.F.R. 35.19, if MAIT does not have short term debt

Other Rate Base Items

COLUMN A

COLUMN B COLUMN C COLUMN D COLUMN E COLUMN F COLUMN G

Line No. Description OF 12-31-20 OF 12-31-21 BALANCE 1 Land Held for Future Use (214.x.d) 0 -			DALAITCE AS	DALAIVEL AS	AVENAGE
2 Materials & Supplies (227.8.c & .16.c) 0 -	Line No.	Description	OF 12-31-20	OF 12-31-21	BALANCE
	1	Land Held for Future Use (214.x.d)	0	0	-
3 Prepayments: Account 165 (111.57.c) - Note [A] 814,129 814,129 814,129	2	Materials & Supplies (227.8.c & .16.c)	0	0	-
	3	Prepayments: Account 165 (111.57.c) - Note [A]	814,129	814,129	814,129

Unfunded Reserves

Line No.	Description	BALANCE AS OF 12-31-20	BALANCE AS OF 12-31-21	AVERAGE BALANCE	ALLOCATION FACTOR	TRANSMISSION TOTAL (Col D times Col F)
	Account 228.1					(00.2 000 00/
4a	Property Insurance (Self insurance not covered by property insurance)	0	0	0 GP	1.00	0
4b	[Insert Item Included in Account 228.1 that are not allocated to transmission]	0	0	0 Oth	er 0	0
4c	[Insert Item Included in Account 228.1 that are not allocated to transmission]	0	0	0 Oth	er 0	0
4z	Total Account 228.1 (112.27.c)	0	0			0
	Account 228.2					
5a	Workman's Compensation	0	0	0 W/S	1.00	0
5b	Probable liabilities not covered by insurance for death or injuries to employees and others	0	0	0 W/S	1.00	0
5c	Probable liabilities not covered by insurance for damages to property neither owned nor held under lease by the utility	0	0	0 GP	1.00	0
5d	[Insert Item Included in Account 228.2 that are not allocated to transmission]	0	0	0 Oth		0
5e	[Insert Item Included in Account 228.2 that are not allocated to transmission]	0	0	0 Oth	er 0	0
5z	Total Account 228.2 (112.28.c)	0	0			0
	Account 228.3					
6a	Year-End Vacation Pay Accrual	0	0	0 W/S		0
6b	Year-End Deferred Compensation Accrual	0	0	0 W/S		0
6c	Year-End Sick Pay Accrual	0	0	0 W/S		0
6d	Year-End Incentive Compensation Accrual	0	0	0 W/S		0
6e	Year-End Severance Pay Accrual	0	0	0 W/S		0
6f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S		0
6g	[Insert Item Included in Account 228.3 that are not allocated to transmission]	0	0	0 Oth		0
6h	[Insert Item Included in Account 228.3 that are not allocated to transmission]	0	0	0 Oth	er 0	0
6z	Total Account 228.3 (112.29.c)	0	0			0
	Account 228.4					
7a	Year-End Vacation Pay Accrual	0	0	0 W/S		0
7b	Year-End Deferred Compensation Accrual	0	0	0 W/S		0
7c	Year-End Sick Pay Accrual	0	0	0 W/S		0
7d	Year-End Incentive Compensation Accrual	0	0	0 W/S		0
7e	Year-End Severance Pay Accrual	0	0	0 W/S		0
7f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S		0
7g	[Insert Item Included in Account 228.4 that are not allocated to transmission]	0	0	0 Oth		0
7h 7z	[Insert Item Included in Account 228.4 that are not allocated to transmission]	0	0	0 Oth	er 0	0
/2	Total Account 228.4 (112.30.c)	U	U			U
	Account 242					
8a	Year-End Vacation Pay Accrual	0	0	- W/S	1.00	
8b	Year-End Deferred Compensation Accrual	0	0	- W/S		-
8c	Year-End Sick Pay Accrual	0	0	0 W/S		•
8d	Year-End Incentive Compensation Accrual	0	0	0 W/S		-
8e	Year-End Incentive Compensation Accrual Year-End Severance Pay Accrual	0	0	0 W/S		-
8f	Year-End PBOP/OPEB Accrual not included in established trusts	0	0	0 W/S		
8g	[Insert Item Included in Account 242 that are not allocated to transmission]	0	-	- Oth		
eg 8h	[Insert Item Included in Account 242 that are not allocated to transmission]	0	0	0 Oth		
8z	Total Account 242 (113.48.c)	0	-	0 Otili	0	
04	10tal Account 272 (115.40.c)	U	-			-
٥	Total Unfunded Reserves Plant-related (items with GP allocator) - Note [B]	0	0	0 GP	1.00	
	Total Unfunded Reserves Labor-related (items with W/S allocator) - Note [C]	0	-	- W/S		_
10	Total Smallace reserves above related fitting with Wys blocktory - note [c]	U		- VV/3	1.00	

- [A] Prepayments shall exclude prepayments of income taxes.

 [B] Column G balance taken to Attachment H-28A, page 2, line 24, col. 3

 [C] Column G balance taken to Attachment H-28A, page 2, line 25, col. 3

					12/01/2011
	Income Tax Ad	justments			
[1]	[2]	[3]	[4]	[5]	[6]
			Dec 31,	Dec 31,	
		Beg/End Average [C]	<u>2021</u>	2021	Reference
1 Tax adjustment for Permanent Differences & AFUDC Equity	[A]	\$386,605	\$386,605	\$386,605	MAIT Company Records
2 Amortized Excess Deferred Taxes (enter negative)	[B]	(1,100,219)	-\$1,100,219	-\$1,100,219	MAIT Company Records
3 Amortized Deficient Deferred Taxes	[B]	-	-	\$0	MAIT Company Records

Notes:

- [A] AFUDC equity component is the gross cumulative annual amount based upon tax records of capitalized AFUDC equity embedded in the gross plant attributable to the transmission function.
- [B] Upon enactment of changes in tax law, income tax rates (including changes in apportionment) and other actions taken by a taxing authority, deferred taxes are re-measured and adjusted in the Company's books of account, resulting in excess or deficient accumulated deferred taxes. Such excess or deficient deferred taxes attributed to the transmission function will be based upon tax records and calculated in the calendar year in which the excess or deficient amount was measured and recorded for financial reporting purposes. Amounts to be included will be January 1, 2017 and thereafter.
- [C] (Column 4 + Column 5)/2; Beg/End Average for line 1 included on Attachment H-28A, page 3, line 33; Beg/End Average for lines 2-3 taken to Attachment H-28A, page 3, line 34

Attachment H-28A, Attachment 16a page 1 of 1 For the 12 months ended 12/31/2021

							TOT THE 12 HIGHLIS CHACA
				Regulatory Asset -	Deferred Storms		
	[1]	[2]	[3] Months Remaining In	[4]	[5]	[6]	[7]
			Amortization		Amortization Expense	Additions	
1	Monthly Balance	Source	Period	BegInning Balance	(Company Records)	(Deductions)	Ending Balance
2	December 2020	p232 (and Notes)	13				-
3	January	FERC Account 182.3	12	-	-	-	-
4	February	FERC Account 182.3	11	-	-	-	-
5	March	FERC Account 182.3	10	-	-	-	-
6	April	FERC Account 182.3	9	-	-	-	-
7	May	FERC Account 182.3	8	-	-	-	-
3	June	FERC Account 182.3	7	-	-	-	-
9	July	FERC Account 182.3	6	-	-	-	-
0	August	FERC Account 182.3	5	-	-	-	-
1	September	FERC Account 182.3	4	-	-	-	-
2	October	FERC Account 182.3	3	-	-	-	-
3	November	FERC Account 182.3	2	-	-	-	-
4	December 2021	p232 (and Notes)	1	- <u> </u>	-		<u> </u>
5	Ending Balance 13-Month Average	(sum lines 2-14) /13		_	-	_	
	-	,		Attachm	ent H-28A, page 3, line 1	11 A	ttachment H-28A, page 2, Li

Attachment H-28A, Attachment 16b page 1 of 1 For the 12 months ended 12/31/2021

				Regulatory Asset -	Vegetation Management		
	[1]	[2]	[3] Months Remaining In	[4]	[5]	[6]	[7]
			Amortization		Amortization Expense	Additions	
1	Monthly Balance	Source	Period	BegInning Balance	(Company Records)	(Deductions)	3
2	December 2020	p232 (and Notes)	49				2,388,988
3	January	FERC Account 182.3	48	2,388,988	49,771	-	2,339,218
4	February	FERC Account 182.3	47	2,339,218	49,771	-	2,289,447
5	March	FERC Account 182.3	46	2,289,447	49,771	-	2,239,676
6	April	FERC Account 182.3	45	2,239,676	49,771	-	2,189,906
7	May	FERC Account 182.3	44	2,189,906	49,771	-	2,140,135
8	June	FERC Account 182.3	43	2,140,135	49,771	-	2,090,365
9	July	FERC Account 182.3	42	2,090,365	49,771	-	2,040,594
10	August	FERC Account 182.3	41	2,040,594	49,771	-	1,990,823
11	September	FERC Account 182.3	40	1,990,823	49,771	-	1,941,053
12	October	FERC Account 182.3	39	1,941,053	49,771	-	1,891,282
13	November	FERC Account 182.3	38	1,891,282	49,771	-	1,841,512
14	December 2021	p232 (and Notes)	37	1,841,512	49,771	-	1,791,741
15	Ending Balance 13-Month Average	(sum lines 2-14) /13			\$597,247		2,090,365
				Attachm	ent H-28A, page 3, line 11	=	Attachment H-28A, page 2, Line

Attachment H-28A, Attachment 16c page 1 of 1 For the 12 months ended 12/31/2021

							roi the 12 months end	
				Regulatory Asset -	Start-up Costs			
	[1]	[2]	[3] Months Remaining Ir	[4]	[5]	[6]	[7]	
1	Monthly Balance	Source	Amortization Period		Amortization Expense (Company Records)	Additions (Deductions)	Ending Balance	
2	December 2020		13	beginning balance	(Company Records)	(Deductions)	Lifully Balance	
3	January	p232 (and Notes) FERC Account 182.3	12	_	_		-	
J	•	FERC Account 182.3	11	-	-	-	-	
5	February	FERC Account 182.3	10	-	-	-	-	
	March	FERC Account 182.3	10	-	-	-	-	
6	April		9	-	-	-	-	
/	May	FERC Account 182.3	8 -	-	-	-	-	
8	June	FERC Account 182.3	/	-	-	-	-	
9	July	FERC Account 182.3	6	-	-	-	-	
10	August	FERC Account 182.3	5	-	-	-	-	
11	September	FERC Account 182.3	4	-	-	-	-	
12	October	FERC Account 182.3	3	-	-	-	-	
13	November	FERC Account 182.3	2	-	-	-	-	
14	December 2021	p232 (and Notes)	1	<u> </u>	-		-	
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		_	\$0.0	00	-	
		, ,,,,,		Attachm	ent H-28A, page 3, line		tachment H-28A, page 2	

Attachment H-28A, Attachment 17 page 1 of 1 For the 12 months ended 12/31/2021

			Abandoned Plant							
	[1]	[2]	[3]	[4]	[5]	[6]	[7]			
			Months							
			Remaining In			Additions				
			Amortization		Amortization Expense	(Deductions				
1	Monthly Balance	Source	Period	BegInning Balance	(p114.10.c))	Ending Balance			
2	December 2020	p111.71.d (and Notes)	13				-			
3	January	FERC Account 182.2	12	-	-	-	-			
4	February	FERC Account 182.2	11	-	-	-	=			
5	March	FERC Account 182.2	10	-	=	-	-			
6	April	FERC Account 182.2	9	-	=	-	-			
7	May	FERC Account 182.2	8	-	-	=	-			
8	June	FERC Account 182.2	7	-	-	-	-			
9	July	FERC Account 182.2	6	-	-	=	-			
10	August	FERC Account 182.2	5	-	-	-	-			
11	September	FERC Account 182.2	4	-	-	-	-			
12	October	FERC Account 182.2	3	-	-	-	-			
13	November	FERC Account 182.2	2	-	-	-	-			
14	December 2021	p111.71.c (and Notes) Detail on p230b	1	-		-				
15	Ending Balance 13-Month Average	(sum lines 2-14) /13		_	\$0.00		\$0.00			
				Attachment H-2	28A, page 3, Line 19		Attachment H-28A, page 2			

Note:

Recovery of abandoned plant is limited to any abandoned plant recovery authorized by FERC and will be zero until the Commission accepts or approves recovery of the cost of abandoned plant

1	December	2020
2	January	2021
3	February	2021
4	March	2021
5	April	2021
6	May	2021
7	June	2021
8	July	2021
9	August	2021
10	September	2021
11	October	2021
12	November	2021
13	December	2021
14	13-month Average	

Notes:

[A] Includes only CWIP authorized by the Commission for inclusion in rate base.

Federal Income Tax Rate

Nominal Federal Income Tax Rate	21.00%
(entered on Attachment H-28A,	
page 5 of 5, Note K)	

State Income Tax Rate

	Pennsylvania	Combined Rate
		(entered on Attachment H-28A, page 5 of 5, Note K)
Nominal State Income Tax Rate	9.99%	
Times Apportionment Percentage	100.00%	
Combined State Income Tax Rate	9.990%	9.990%

Operation and Maintenance Expenses

Line No. [a]	Account Reference	Description	Account Balance [b]
82		Operation	
83	560	Operation Supervision and Engineering	\$225,815
84			
85	561.1	Load Dispatch-Reliability	\$1,170,709
86	561.2	Load Dispatch-Monitor and Operate Transmission System	\$1,019,620
87	561.3	Load-Dispatch-Transmission Service and Scheduling	
88	561.4	Scheduling, System Control and Dispatch Services	
89	561.5	Reliability, Planning and Standards Development	\$257,836
90	561.6	Transmission Service Studies	
91	561.7	Generation Interconnection Studies	
92	561.8	Reliability, Planning and Standards Development Services	
93	562	Station Expenses	\$3,975,114
94	563	Overhead Lines Expense	\$15,676
95	564	Underground Lines Expense	
96	565	Transmission of Electricity by Others	
97	566	Miscellaneous Transmission Expense	\$9,466,866
98	567	Rents	\$6,508,248
99		TOTAL Operation (Enter Total of Lines 83 thru 98)	\$22,639,883
100		Maintenance	
101	568	Maintenance Supervision and Engineering	\$5,174,104
102	569	Maintenance of Structures	
103	569.1	Maintenance of Computer Hardware	\$11,129
104	569.2	Maintenance of Computer Software	\$44,808
105	569.3	Maintenance of Communication Equipment	
106	569.4	Maintenance of Miscellaneous Regional Transmission Plant	
107	570	Maintenance of Station Equipment	\$7,069,702
108	571	Maintenance of Overhead Lines	\$45,762,467
109	572	Maintenance of Underground Lines	
110	573	Maintenance of Miscellaneous Transmission Plant	\$209,657
111		TOTAL Maintenance (Total of lines 101 thru 110)	\$58,271,867
112		TOTAL Transmission Expenses (Total of lines 99 and 111) [c]	\$80,911,750

Notes:

- [a] Line No. as would be reported in FERC Form 1, page 321
- [b] December balances as would be reported in FERC Form 1
- [c] Ties to Attachment H-28A, page 3, line 1, column 3
 Above expenses do not include amounts for Met-Ed's 34.5 kV transmission lines

Administrative and General (A&G) Expenses

Line No. [d]	Account Reference	Description	Account Balance [e]
180		Operation	
181	920	Administrative and General Salaries	
182	921	Office Supplies and Expenses	\$103,500
183	Less 922	Administrative Expenses Transferred - Credit	
184	923	Outside Services Employed	\$5,545,451
185	924	Property Insurance	\$291,259
186	925	Injuries and Damages	\$1,135,514
187	926	Employee Pensions and Benefits	-\$8,873,905
188	927	Franchise Requirements	
189	928	Regulatory Commission Expense	
190	Less 929	(Less) Duplicate Charges-Cr.	
191	930.1	General Advertising Expenses	\$170,000
192	930.2	Miscellaneous General Expenses	\$32,000
193	931	Rents	\$12,926
194		Total Operation (Enter Total of lines 181 thru 193)	-\$1,583,255
195		Maintenance	
196	935	Maintenance of General Plant	\$888,563
197		TOTAL A&G Expenses (Total of lines 194 and 196) [f]	-\$694,692

Notes:

- [d] Line No. as would be reported in FERC Form 1, page 323
- [e] December balances as would be reported in FERC Form 1
- [f] Ties to Attachment H-28A, page 3, line 5, column 3
 Above expenses do not include amounts for Met-Ed's 34.5 kV transmission lines

Revenue Credit Worksheet

(See Footnote T on Attachment H-28A, page 5)

			Decen	nber 31, 2021	
1	Account 451 Miscellaneous Service Revenues FER	RC Form 1 , page 300 and footnote data	<u> 4</u>	Amount	Note S, page 5
1a			\$		
1z	Account 451 Total			\$0	
2		RC Form 1, pages 300 and 429			Note R, page 5
2a	Transmission Charge - TMI Unit 1		\$	1,998,563	
2b	Transmission Investment - Power Pool Agree	eement	\$	1,762,525	
2z	Account 454 Total			\$3,761,088	
3		RC Form 1, page 330 and footnote data			Note V, page 5
3a	Point-to-point Revenues		\$	1,722,973	
3b	Facility Maintenance Charges		\$	266,000	
3z	Account 456 Total			\$1,988,973	

Attachment 13 AEP Formula Rate for January 1, 2021 to December 31, 2021

Projected Formula Rate for

AEP Appalachian Transmission Company, Inc. AEP Indiana Michigan Transmission Company, Inc. AEP Kentucky Transmission Company, Inc. AEP Ohio Transmission Company, Inc. AEP West Virginia Transmission Company, Inc.

To be Effective January 1, 2021 Docket No ER17-406

Pursuant to Attachment H-20A (Formula Rate Implementation Protocols) in PJM Tariff, AEP has calculated its Projected Transmission Revenue Requirements (PTRR) to produce the Rates beginning January 1, 2021 through December 31, 2021. All the files pertaining to the PTRR are also posted on the PJM website in PDF format along with supporting workpapers. The first file provides the PTRR and rates for Network transmission service and Scheduling System Control and Dispatch Service, Schedule 1A.

AEP network service rate will increase effective January 1, 2021 from \$41,759.82 per MW per year to \$49,798.97 per MW per year with the AEP annual revenue requirement increasing from \$935,533,420 to \$1,076,399,814.

The AEP Transmission Companies' Schedule 1A rate will be \$.0547 per MWh.

An annual revenue requirement of \$157,569,352.36 for RTEP projects (including true-up and interest) is to be collected under PJM Tariff Schedule 12. The RTEP Project revenue requirement includes:

- 1. b1465.4 (Rockport Jefferson) of \$732,780
- 2. b1465.2 (Rockport Jefferson-MVAR Bank) \$1,707,561
- 3. b2048 (Tanners Creek 345/138 kV transformer) \$657,773
- 4. b1818 (Expand the Allen station) \$6,521,758
- 5. b1819 (Rebuild Robinson Park) \$11,944,671
- 6. b1659 (Sorenson Add 765/345 kV transformer) \$6,415,449
- 7. b1659.13 (Sorenson Exp. Work 765kV) \$6,110,511
- 8. b1659.14 (Sorenson 14miles 765 line) \$7,606,669
- 9. b1465.1 (Add a 3rd 2250 MVA 765/345kV transformer Sullivan) \$4,032,529
- 10. b1465.5 (Sullivan Inst Baker 765kV tsfr) \$1,013,685
- 11. b0570 (Lima-Sterling) \$1,416,567
- 12. b1231 (Wapakoneta-West Moulton) \$458,775
- 13. b1034.1 (South Canton-Wagenhals-Wayview 138 kV) \$1,168,034
- 14. b1034.8 (South Canton Wagenhals Station) \$604,010
- 15. b1864.2 (West Bellaire-Brues 138 kV Circuit) \$150,282
- 16. b1870 (Ohio Central Transformer) \$961,297
- 17. b1032.2 (Two 138kV outlets to Delano/Camp Sherman) \$4,995,341

Projected Formula Rate for

AEP Appalachian Transmission Company, Inc.
AEP Indiana Michigan Transmission Company, Inc.
AEP Kentucky Transmission Company, Inc.
AEP Ohio Transmission Company, Inc.
AEP West Virginia Transmission Company, Inc.

To be Effective January 1, 2021 Docket No ER17-406

18. b1034.2	(Loop existing South Canton-Wayview 138kV) \$923,051
19. b1034.3	(345/138kV 450 MVA transformer Canton Central) \$1,946,739
20. b2018	(Loop Conesville-Bixby 345 kV) \$1,928,350
21. b2021	(OHTCo - Add 345/138kV trans. Sporn, Kanawha & Muskingum River
	stations) \$3,041,020
22. b2032	(Rebuild 138kV Elliott Tap Poston line) \$542,265
23. b1032.1	(Construct new 345/138kV station Marquis-Bixby) \$4,348,271
24. b1032.4	(Install 138/69kV transformer Ross Highland) \$910,420
25. b1666	(Build 8 breaker 138kV station Fostoria-East Lima) \$2,703,288
26. b1957	(Terminate Transformer #2 SW Lima) \$1,093,352
27. b2019	(Establish Burger 345/138kV station) \$7,466,068
28. b2017	(OHTCo Rebuild Sporn-Waterford-Muskingum River) \$7,657,084
29. b1818	(Allen Station Expansion) \$406,860
30. b2833	(Reconductor Maddox Creed-East Lima 345kV circuit) \$2,687,413
31. b1661	(765kV circuit breaker Wyoming station) \$248,444
32. b1864.1	(Add 2 345/138kV transformers at Kammer) \$9,584,188
33. b2021	(WVTCo - Add 345/138kV trans. Sporn, Kanawha & Muskingum River
	stations) \$2,226,591
34. b1948	(New 765/345 interconnection Sporn) \$6,525,465
35. b1962	(Add four 765kV breakers Kammer) \$2,536,740
36. b2017	(WVTCo Rebuild Sporn-Waterford-Muskingum River) \$168,718
37. b2020	(Rebuild Amos-Kanawha River 138 kV corridor) \$17,595,799
38. b2022	(Tristate-Kyger Creek 345kV line at Sporn) \$505,993
39. b1875	(138 kV Bradley to McClung upgrades) \$17,919,848
40. b2230	(Replace 3 765kV reactors Amos-Hanging Rock) \$1,480,779
41. b2423	(Install 300 MVAR shunt reactor Wyoming 765kV station) \$2,424,266
42. b1495	(Add 765/345 kV transf. Baker Station) \$4,200,649

Projected Formula Rate for AEP East subsidiaries in PJM

To be Effective January 1, 20210 through December 31, 2021 Docket No ER17-405

Pursuant to PJM OATT Attachment H-14A (Formula Rate Implementation Protocols), AEP has calculated its Projected Transmission Revenue Requirements (PTRR) for the Rate Year beginning January 1, 2021 through December 31, 2021. All the files pertaining to the PTRR are to be posted on the PJM website in PDF format. The first file provides the PTRR and rates for Network transmission service and Scheduling System Control and Dispatch Service (Schedule 1A), and the annual transmission revenue requirement for RTEP projects (Schedule 12). An informational filing will also be submitted to the FERC.

AEP network service rate will increase effective January 1, 2021 from \$38,726.59 per MW per year to \$45,741.84 per MW per year with the AEP annual revenue requirement increasing from \$871,336,638 to \$988,705,401.

The AEP Schedule 1A rate will be \$(0.0318) per MWh.

An annual revenue requirement of \$44,665,223.22 for RTEP projects (including true-up and interest) is to be collected under PJM Tariff Schedule 12. The RTEP Projected revenue requirement includes:

- 1. b0839 (Twin Branch) \$801,103
- 2. b0318 (Amos 765/138 kV Transformer) \$1,280,264
- 3. b0504 (Hanging Rock) \$743,708
- 4. b0570 (East Side Lima) \$232,941
- 5. b1034.1 (Torrey-West Canton) \$856,084
- 6. b1034.6 (138kV circuit South Canton Station) \$314,034
- 7. b1231 (West Moulton Station) \$956,908
- 8. b1465.2 (Rockport Jefferson 300 MVAR bank) \$62,031
- 9. b1465.3 (Rockport Jefferson 765 kV line) \$2,315,511
- 10. b1712.2 (Altavista-Leesville 138kV line) \$234,859
- 11. b1864.1 (OPCo Kammer 345/138 kV transformers) \$1,841,350
- 12. b1864.2 (West Bellaire-Brues 138 kV circuit) of \$109,344
- 13. b2020 (Rebuild Amos-Kanawha River) \$4,641,447
- 14. b2021 (APCo Kanawha River Gen Retirement Upgrades) \$257,583
- 15. b2017 (APCo Rebuild Sporn-Waterford Muskingum River 345kV line) \$1,627,346
- 16. b1659.14 (Ft. Wayne Relocate) \$133.042
- 17. b2048 (Tanners Creek-Transformer Replacement) \$87,583
- 18. b1818 (Expand the Allen Station) \$1,771,781
- 19. b1819 (Rebuild Robinson Park 138kV line corridor) \$399,656
- 20. b1465.4 (Switching imp at Sullivan Jefferson 765kV station) \$(75,179)
- 21. b2021 (OPCo 345/138kV Transformer) \$526,025
- 22. b2032 (Rebuild 138kV Elliott Tap-Poston) \$17,411
- 23. b1034.2 (Loop South Canton-Wayview) \$535,156

Projected Formula Rate for AEP East subsidiaries in PJM

To be Effective January 1, 20210 through December 31, 2021 Docket No ER17-405

24.	b1034.7	(Replace circuit breakers Torrey/Wagenhals) \$668,687
25.	b2018	(Loop Conesville-Bixby 345kV) \$1,106,997
26.	b1032.4	(Loop the existing South Canton-Wayview 138kV circuit) \$188,942
27.	b1666	(Build an 8 breaker 138kV station Fosteria-East Lima) \$481,195
28.	b1957	(Terminate transformer #2 SW Lima) \$341,208
29.	b1962	(Add four 765kV breakers Kammer) \$97,644
30.	b2019	(Burger 345/138kV Station) \$1,077,946
31.	b2017	(OPCo Reconductor Sporn-Waterford-Muskingum River) \$969,050
32.	b1660	(Install 765/500 kV transformer Cloverdale) \$395,175
33.	b1660.1	(Cloverdale Establish 500 kV station) \$3,429,036
34.	b1663.2	(Jacksons-Ferry 765kV breakers) \$595,207
35.	b1875	(138 kV Bradley to McClung upgrades) \$1,472,361
36.	b1797.1	(Reconductor Cloverdale-Lexington 500 kV line) \$5,565,755
37.	b1712.1	(Altavista-Leesville 138kV line) \$28,012
38.	b1032.2	(Two 138kV outlets to Delano&Camp) \$209,443
39.	b1818	(Expand Allen w/345/138kV xfmr) \$38,490
40.	b2687.1	(Install a 450 MVAR SVC Jacksons Ferry 765kV Substation) \$7,765,344
41.	b2687.2	(Reactor Replacement at Broadford) \$1,089,477
42.	b1870	(Replace Ohio Central Tfmr) \$1,316
43.	b1465.5	(Switching Imp at Sullivan Jefferson 765kV stations) \$72,745
44.	b2831.1	(Upgrade Tanners Creek Miami Fort 345kV circuit) \$166,646
45.	b2833	(Reconductor Maddox Creek East Lima 345kV circuit) \$(873,482)
46.	b2230	(Amos Station retire 3 765kV reactors Amos-Hanging Rock) \$79,575
47.	b2423	(Install a 300 MVAR reactor at AEP's Wyoming 765 kV station.) \$28,468

Attachment 14 Silver Run Formula Rate for January 1, 2021 to December 31, 2021

Attachment 1 Project Revenue Requirement Worksheet Silver Run Electric, LLC

To be completed in conjunction with Attachment H-27A.

Line No.	(1)	(2) Attachment H-27A, Page, Line, Col.	(3) Transmission	(4) Allocator
			114113111331011	
1	Gross Transmission Plant plus CWIP	Attach H-27A, p 2, line 2, col 5 plus line 25, col 5 (Note A)	158,457,383	
2	Net Transmission Plant plus CWIP and Abandoned Plant	Attach H-27A, p 2, line 14, col 5 plus line 25 & 27, col 5 (Note B)	154,981,071	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Attach H-27A, p 3, line 17, col 5	4,630,793	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.92%	2.92%
	GENERAL AND INTANGIBLE (G&I) DEPRECIATION EXPENSI	E		
5	Total G&I Depreciation Expense	Attach H-27A, p 3, line 20, col 5 (Note C)	127,241	
6	Annual Allocation Factor for G,I & C Depreciation Expense	(line 5 divided by line 1, col 3)	0.08%	0.08%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Attach H-27A, p 3, line 32, col 5	1,287,834	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.81%	0.81%
9	Less Revenue Credits	Attach H-27A, p 1, line 6 col 5	-	
10	Annual Allocation Factor for Revenue Credits	(line 9 divided by line 1, col 3)	0.00%	0.00%
11	Annual Allocation Factor for Expense	Sum of lines 4, 6, 8, and 10		3.82%
	INCOME TAXES			
12	Total Income Taxes	Attach H-27A, p 3, line 46, col 5	3,334,148	
13	Annual Allocation Factor for Income Taxes	(line 12 divided by line 2, col 3)	2.15%	2.15%
	RETURN			
14	Return on Rate Base	Attach H-27A, p 3, line 48, col 5	10,326,700	
15	Annual Allocation Factor for Return on Rate Base	(line 14 divided by line 2, col 3)	6.66%	6.66%
16	Annual Allocation Factor for Return	Sum of lines 13 and 15		8.81%

Attachment 1 Project Revenue Requirement Worksheet Silver Run Electric, LLC

This worksheet is used to compute project specific revenue requirements for any projects for which such calculation is required by PJM. Other projects which comprise the remaining revenue requirement on Attachment H-27A will not be entered on this schedule.

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

	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
Line No.	Project Name	PJM Category	RTEP Project Number Or Other Identifier	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge
				(Note D)	(Page 1, line 11)	(Col. 3 * Col. 4)	(Note E)	(Page 1, line 16)	(Col. 6 * Col. 7)
1a 1b	Artificial Island	Schedule 12	b2633.1, b2633.2	158,457,383	3.82% 3.82%	6,045,869	154,981,071 -	8.81% 8.81%	13,660,848
2	Total Schedule 12			158,457,383		6,045,869	154,981,071		13,660,848
3a 3b				<u>-</u> -	3.82% 3.82%	-	\$ - \$ -	8.81% 8.81%	-
4	Total Zonal			-		-	\$ -		-
5				-	3.82%	-	\$ -	8.81%	-
6	Annual Totals			158,457,383		6,045,869	154,981,071		13,660,848

Attachment 1 Project Revenue Requirement Worksheet Silver Run Electric, LLC

	(9)	(10)	(11)	(12)	(12a)	(13)	(14)	(15)	(16)
	Project						Total Annual		
Line	Depreciation/Amortizatio	Annual Revenue	Incentive Return in			Competitive	Revenue	True-Up	Net Revenue
No.	n Expense	Requirement	Basis Points	Incentive Return	Ceiling Rate	Concession	Requirement	Adjustment	Requirement
		(Sum Col. 5 + Col. 9							
		+ (Column 6 * Line		(Col. 11/100)*Col. 6*Att 2 Line			(Sum Col. 10 & 12		
	(Note F)	16))	(Note G)	28) (Note G)	(Sum Col. 10 & 12)	(Note H)	Less Col. 13)	(Note I)	(Sum Col. 14 & 15)
1a	3,322,708	23,029,425	50	592,817.5	23,622,243	-	23,622,243	-	23,622,243
1b	-	=	-	1	-	-	-	-	-
2	3,322,708	23,029,425		592,817.5	23,622,243	-	23,622,243	-	23,622,243
3a	-	-	-	-	-	-	-	-	-
3b	-	=	-	1	-	-	-	-	-
4	-	=		-				-	-
5	-	-	-	-	-	-	-	-	-
6	3,322,708	23,029,425		592,818	23,622,243	-	23,622,243	-	23,622,243

Notes

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-27A inclusive of any CWIP or unamortized abandoned plant included in rate base when authorized by FERC order.
- B Net Plant is that identified on page 2 line 14 of Attachment H-27A inclusive of any CWIP or unamortized Abandoned Plant included in rate base when authorized by FERC order less any prefunded AFUDC, if
- C General and Intangible Depreciation and Amortization Expense includes all expense not directly associated with a project, which is entered on page 3, column 9.
- D Project Gross Plant is the total capital investment including CWIP for the project calculated from Company books and records in the same method as the gross plant value in line 1. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- E Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation plus CWIP in rate base if applicable and Unamortized Abandoned Plant.
- F Project Depreciation Expense is the actual value booked for the project (excluding General and Intangible depreciation) at Attachment H-27A, page 3, line 19, plus amortization of Abandoned Plant at Attachment H-27A, page 3, line 21.
- G Requires approval by FERC of incentive return applicable to the specified project(s). Per the Commission's order in 158 FERC ¶ 61,060 at PP 32-35, SRE shall not recover a 50 basis point ROE incentive for the risks and challenges associated with the Artificial Island Project facilities, PJM Upgrade Projects b2633.1 and b2633.2.
- H The Competitive Concession is the reduction in revenue, if any, that the company agreed to, for instance, to be selected to build facilities as the result of a competitive process and equals the amount by which the annual revenue requirement is reduced from the ceiling rate.
- I True-Up Adjustment is calculated on the Project True-up Schedule for the relevant true-up year.
- J For each project listed on this Attachment 1 that is a Required Transmission Enhancement, the net revenue requirement shown in Column (16) is: (i) the annual transmission revenue requirement for purposes of determining the PJM OATT Schedule 12 Transmission Enhancement Charges associated with that Required Transmission Enhancement, and (ii) the Annual Revenue Requirement for purposes of Schedule 12, Appendix A for that Required Transmission Enhancement.

Attachment 15 NIPSCo Formula Rate for January 1, 2021 to December 31, 2021

Page 1 of 3

Rate Formula Template Utilizing Attachment O Data

Northern Indiana Public Service Company LLC

To be completed in conjunction with Attachment O.

	(1)	(2)	(3)
Lina		Attachment O	Transmission
Line No.		Page, Line, Col.	iransmission
NO.			
1	Gross Transmission Plant - Total	Attach O 9.24.20, p 2, line 2 col 5 (Note A)	1.938.718.520
2	Net Transmission Plant - Total	ach O_9.24.20, p 2, line 14 and 23b col 5 (Note	1,314,352,858
	O&M EXPENSE		
3	Total O&M Allocated to Transmission	Attach O_9.24.20, p 3, line 8 col 5	43,128,528
4	Annual Allocation Factor for O&M	(line 3 divided by line 1 col 3)	2.22%
_	GENERAL AND COMMON (G&C) DEPRECIATION		
5	• •	tach O_9.24.20, p 3, lines 10 & 11, col 5 (Note	
6	Annual Allocation Factor for G&C Depreciation Ex	xpense (line 5 divided by line 1 col 3)	0.19%
	TAYER OTHER THAN INCOME TAYER		
7	TAXES OTHER THAN INCOME TAXES	A#	7.050.000
7	Total Other Taxes	Attach O_9.24.20, p 3, line 20 col 5	7,050,033
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.36%
9	Annual Allocation Factor for Expense	Sum of line 4, 6, and 8	
9	Allitual Allocation I actor for Expense	Sum of line 4, 6, and 6	
	INCOME TAXES		
10	Total Income Taxes	Attach O 9.24.20, p 3, line 27 col 5	16.045.696
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.22%
		,	
	RETURN		
12	Return on Rate Base	Attach O_9.24.20, p 3, line 28 col 5	86,029,185
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.55%
14	Annual Allocation Factor for Return	Sum of line 11 and 13	7.77%

Utilizing Attachment O Data

Northern Indiana Public Service Company LLC

Network Upgrade Charge Calculation By Project

MTEP Project Name Project Name		(1	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(Note C) (Page 1 line 9) (Col. 3 * Col. 4) (Note D) (Page 1 line 14) (Col. 6 * Col. 7) (Note E) (Sum Col. 5, 8 & 9) (Note F) (Note G) 1a MTEP07 612 \$ 5,766,738 2.78% \$ 160.053 \$ 3,859,573 7.77% \$ 299,741 \$ 158,448 \$ 618,242 \$ 16,133 \$ 634,375	Line No.	Project Name	Project		Allocation Factor for	Expense		Allocation Factor for	Return	Depreciation			Upgrade
1b MTEP08				(Note C)	•		(Note D)	(Page 1 line 14	(Col. 6 * Col. 7)	•		•	Sum Col. 10 & 11
	1b 1c	MTEP08 MTEP07	1551 1615 GIP	\$ 4,410,237 \$ 771,335	2.78% 2.78%	\$ 122,404 \$ 21,408	\$ 2,822,852 \$ 1,593,343	7.77% 7.77%	\$ 219,227 \$ 123,742	\$ 136,536 \$ 14,796	\$ 478,168 \$ 159,946	\$ 12,638 \$ 11,894	\$ 490,806 \$ 171,840

NUC and TMEPC Rev. Req. Adj For Attachment O (Attachment GG page 2, line 2, Column 10 plus Attachment GG, page 3, line 2, Column 10)

\$4,905,023

Note Letter

D

- Gross Transmission Plant is that identified on Page 2 Line 2 of Attachment O and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.
- B Net Transmission Plant is that identified on Page 2 Line 14 of Attachment O and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in Line 1 and includes CWIP in rate base less any prefunded AFUDC, if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
 - Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment O Page 3 Line 12.
 - True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
- G The Targeted Market Efficiency Project Charge is the value to be used in Schedule 26-C.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 3 column 9.

Attachment GG

Page 2 of 3

Northern Indiana Public Service Company LLC

Utilizing Attachment O Data

Targeted Market Efficiency Project Charge Calculation By Project

		(1) (2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line Efficiency No. Charge	Project Name	MTE Proje Numl	ct P	roject Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Targeted Market Project
				(Note C)	(Page 1 line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1 line 14	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a 1b 1c 1d	MTEP17 MTEP17 MTEP17 MTEP17	1420 1420 1420	\$4 \$ \$6 \$	6,827,479 6,412,796	2.78% 2.78% 2.78% 2.78%	\$ 189,494 \$ 177,984	\$ 6,545,584 \$ 6,253,393	7.77% 7.77%	\$ 508,341 \$ 485,649	\$ 187,756 \$ 148,126	\$ 885,591 \$ 811,760	\$ 60,822 \$ -	\$ 6,827 \$ 946,413 \$ 811,760 \$ 910,973
2	Annual Totals										\$2,615,151	\$60,822	\$2,675,973

Note Letter

Gross Transmission Plant is that identified on Page 2 Line 2 of Attachment O and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.

- B Net Transmission Plant is that identified on Page 2 Line 14 of Attachment O and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC, if applicable.
- Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in Line 1 and includes CWIP in rate base less any prefunded AFUDC, if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment O Page 3 Line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
 - The Targeted Market Efficiency Project Charge is the value to be used in Schedule 26-C.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 3 column 9.

Page 3 of 3

Attachment 16 EL05-121 for January 1, 2021 to December 31, 2021





PJM Interconnection, L.L.C. 2750 Monroe Blvd. Audubon, PA 19403

Pauline Foley Associate General Counsel T: (610) 666-8248 | F: (610) 666-8211 pauline.foley@pim.com

July 30, 2018

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

Re: PJM Interconnection, L.L.C., Docket No. EL05-121-009 and ER18-2102-001

eTariff Compliance Filing for Schedule 12 and Schedule 12-Appendices

Dear Secretary Bose:

On June 15, 2016, the Settling Parties¹ filed Settlement Agreement and Offer of Settlement ("Settlement")² in the captioned matter for rates to become effective January 1, 2016. In the Order on Contested Settlement,³ the Federal Energy Regulatory Commission ("Commission") approved the Settlement and directed PJM Interconnection, L.L.C. ("PJM") to

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¹ The "Settling Parties" are: American Electric Power Service Corporation, on behalf of its operating companies; Baltimore Gas and Electric Company, an Exelon Company; Blue Ridge Power Agency, Inc.; The Dayton Power and Light Company; Delaware Municipal Electric Corporation, Inc.; Duke Energy Business Services, LLC on behalf of Duke Energy Ohio, Inc. and Duke Energy Kentucky, Inc.; Duquesne Light Company; East Kentucky Power Cooperative, Inc.; Exelon Corporation as agent for Commonwealth Edison Company and PECO Energy Company; FirstEnergy Utilities On behalf of affiliates American Transmission Systems, Incorporated, The Cleveland Electric Illuminating Company, Jersey Central Power & Light Company, Metropolitan Edison Company, Ohio Edison Company, Monongahela Power Company, Pennsylvania Electric Company, Pennsylvania Power Company, The Potomac Edison Company, Toledo Edison Company, and West Penn Power Company; Illinois Commerce Commission; Indiana Utility Regulatory Commission; Michigan Public Service Commission; Pennsylvania Public Utility Commission; Pepco Holdings, LLC, an Exelon Company, and Potomac Electric Power Company, Delmarva Power & Light Company and Atlantic City Electric Company; PJM Interconnection, L.L.C.; PPL Electric Utilities Corporation; Public Service Commission of West Virginia; Public Utilities Commission of Ohio; and UGI Utilities, Inc. Additionally, the following parties have agreed to be listed in the Settlement as "NonOpposing Parties": Consolidated Edison Company of New York, Inc.; Delaware Public Service Commission; Maryland Public Service Commission; New Jersey Board of Public Utilities; Old Dominion Electric Cooperative; PSEG Energy Resources & Trade LLC; Public Power Association of New Jersey; Public Service Electric and Gas Company; Public Service Commission of the District of Columbia; Rockland Electric Company; Virginia Electric and Power Company, DBA Dominion Virginia Power; and the Virginia State Corporation Commission.

² PJM Interconnection, L.L.C., Offer of Settlement, Docket No. EL05-121-009 (June 15, 2016) ("Settlement").

³ PJM Interconnection, L.L.C., 163 FERC ¶ 61,168 (May 31, 2018) ("May 31 Order").

submit the associated Tariff amendments by way of compliance eTariff records consistent with the *pro forma* tariff records included with the Settlement.⁴

Accordingly, in compliance with the May 31 Order, and pursuant to section 205 of the Federal Power Act⁵ and Part 35 of the Commission's rules and regulations,⁶ PJM submits amendments to the PJM Open Access Transmission Tariff ("Tariff") to add in eTariff format the *pro forma* tariff records to include a new Schedule 12-C, including Appendices A through C, as approved under the Settlement.⁷ In addition, consistent with section 2.2(c) of the Settlement, PJM submits amendments to Tariff, Schedule 12-Appendix to amend cost responsibility assignments for Covered Transmission Enhancements as described in detail below. PJM requests that these proposed amendments become effective January 1, 2016, as directed by the Commission in its May 31 Order.

I. DESCRIPTION OF FILING

A. Background

This filing follows years of litigation before the Commission under multiple dockets,⁸ two 7th Circuit Remand Orders⁹ and an established FERC hearing and settlement judge

⁴ In the May 31 Order, the Commission directed PJM to submit a compliance filing within 30 days of the Order or June 30, 2018. Pursuant to a motion for extension of time filed by PJM, the Commission extended the date to comply an additional 30 days to July 30, 2018. *See PJM Interconnection, L.L.C.*, Notice Granting Request for Extension of Time, Docket No. EL05-121-009 (June 13, 2018).

⁵ 16 U.S.C. § 824d.

⁶ 18 C.F.R. Part 35 (2018).

⁷ Due to e-Tariff restrictions, the proposed revisions to the PJM Tariff for Schedule 12-C Appendix B and Schedule 12-C Appendix C will be filed under separate cover using the same transmittal letter with the specified attachments corresponding to each filing because the version effective January 1, 2018 could not be submitted in the same filing in which the tariff record was initial created.

⁸ May 31 Order, PP 3 - 7.

⁹ See Illinois Commerce Comm'n, et al. v. FERC, 756 F.3d 556 (7th Cir. 2014); see also Illinois Commerce Comm'n, et al. v. FERC, 576 F.3d 470 (7th Cir. 2009), reh'g and reh'g en banc denied (Oct. 20, 2009).

The Honorable Kimberly D. Bose, Secretary PJM Interconnection, L.L.C. July 30, 2018 Page 3

proceeding¹⁰ to determine the appropriate cost allocation for new transmission facilities that operate at or above 500 kV ("Regional Facilities")¹¹ and Necessary Lower Voltage Facilities¹² that PJM planned and approved before February 1, 2013, whose costs were allocated in accordance with the 100 percent load-ratio share method established in Opinion No. 494.¹³ Following seven settlement conferences convened by settlement judge Steven L. Sterner and attended by interested parties both in person and via teleconference, the Settling Parties submitted the Settlement on June 15, 2016 in Docket No. EL05-121-009 to take effect on the date the Commission approved the Settlement, i.e., May 31, 2018.

B. Description of New Schedule 12-C and Appendices to Implement the Settlement

The May 31 Order approved the *pro forma* tariff records included in the Settlement to add a new Schedule 12-C and three (3) appendices: (i) Appendix A (List of Covered Transmission Enhancements), (ii) Appendix B (Allocations for Canceled Projects) and (iii) Appendix C (Transmission Enhancement Charge (TEC) Adjustments – Monthly). Schedule 12-C sets forth the assignment of cost responsibility for Required Transmission Enhancements¹⁴ listed in Schedule 12-C Appendix A, as of January 1, 2016. Each Required Transmission Enhancement listed in Schedule 12-C Appendix A, is referred to as a "Covered Transmission"

¹⁰ *PJM Interconnection, L.L.C.*, 149 FERC ¶ 61,233 (2014).

¹¹ Prior to 2013, Regional Facilities were defined to mean new transmission enhancements and expansions that will operate at or above 500 kV and are included in the upgrade to the RTEP approved by the PJM Board of Managers ("PJM Board"). PJM Tariff, Schedule 12 § (b)(i) (2010).

¹² Necessary Lower Voltage Facilities are defined as Required Transmission Enhancements included in the Regional Transmission Expansion Plan ("RTEP") that are lower voltage facilities that must be constructed or reinforced to support new Regional Facilities.

 $^{^{13}}$ PJM Interconnection, L.L.C., Opinion No. 494, 119 FERC ¶ 61,063 (2007), order on reh'g, Opinion No. 494-A, 122 FERC ¶61,082 (2008).

¹⁴ "Required Transmission Enhancements" is defined in the Tariff in pertinent part to mean "enhancements and expansions of the transmission system that an [RTEP] developed pursuant to Schedule 6 of the Operating Agreement " *See* PJM Tariff, OATT Definitions – R-S.

for Covered Transmission Enhancements.

Enhancement." Covered Transmission Enhancements included in this Settlement that were canceled or abandoned before entering service are identified in Schedule 12-C Appendix A as a "Canceled Project." Schedule 12-C contains different methods for recovery of costs incurred

1. Description of Proposed Amendments to Schedule 12-Appendix for the Going Forward Period Commencing January 1, 2016

In the May 31 Order, the Commission accepted under Schedule 12-C for the going-forward period (the period commencing January 1, 2016 onward) modifications to the cost allocation methodology for Covered Transmission Enhancements included in Tariff, Schedule 12-Appendix. Therefore, pursuant to the Settlement, section 2.2(c) (Current Recovery Charge), PJM is required to modify Schedule 12-Appendix to assign cost responsibility to Responsible Customers¹⁶ for each Covered Transmission Enhancement listed in Schedule 12-C Appendix A, based on the agreed-upon hybrid methodology in which: (i) 50 percent of the cost responsibility shall be assigned to Responsible Customers using the annual load-ratio share method;¹⁷ and (ii) 50 percent of the cost responsibility shall be assigned to Responsible Customers using: (A) for MAPP and PATH projects identified as Canceled Projects Schedule 12-C Appendix A, the cost assignments are set forth in Schedule 12-C Appendix B;¹⁸

¹⁵ The Allocations for those Canceled Projects are detailed in Schedule 12-C Appendix B. In addition, Schedule 12-Appendix contains allocations for Regional Facilities that are not listed in Schedule 12-C Appendix A and not revised in this filing as revenues were not collected for those canceled projects and those baseline upgrades will be removed from Schedule 12-Appendix in a subsequent clean-up filing.

¹⁶ "Responsible Customers" are defined to mean "customers using Point-to-Point Transmission Service and/or Network Integration Transmission Service and Merchant Transmission Facility owners that will be subject to each such Transmission Enhancement Charge. *See* Tariff, Schedule 12, § (b)(viii).

¹⁷ Tariff, Schedule 12 § (b)(i)(A)(1).

¹⁸ The Branchburg to Roseland to Hudson ("BRH") project was not included in Schedule 12-C Appendix B because there were no abandonment costs after January 1, 2016.

or (B) for all other Covered Transmission Enhancements listed in Schedule 12-C Appendix A, the current effective solution-based DFAX method.¹⁹

In addition, the Tariff sheets reflect additional changes to address: (i) the 2017 and 2018 annual updates provided for under the Tariff for load-ratio share²⁰ and solution-based DFAX, where applicable;²¹ (ii) changes in cost allocations to Responsible Customers in 2017 due to the integration of MAIT,²² effective February 1, 2017; (iii) the elimination of cost responsibility to Consolidated Edison Company of New York, Inc. ("Con Edison") due to termination of its long-term firm point-to-point transmission service agreements, effective May 1, 2017;²³ and (iv) changes in cost allocations to remaining Responsible Customers in 2018 due to termination of allocations to two Merchant Transmission Facilities, Linden VFT, LLC ("Linden") and Hudson Transmission Partners, LLC ("HTP"), as a result of relinquishment of their Firm Transmission Withdrawal Rights, effective January 1, 2018.²⁴

¹⁹ Tariff, Schedule 12 § (b)(i)(A)(a).

²⁰ Tariff, Schedule 12 § (b)(i)(A).

²¹ Tariff, Schedule 12 § (b)(iii)(H)(2).

²² *PJM Interconnection, L.L.C.*, Amendments to PJM agreements and tariffs for integration of MAIT, Docket No. ER17-214-000 (Oct. 28, 2016) (this filing affected the Metropolitan Edison Company's and Pennsylvania Electric Company's eTariff records only).

²³ *PJM Interconnection, L.L.C.*, 159 FERC ¶ 62,310 (June 20, 2017).

²⁴ *PJM Interconnection, L.L.C.*, 162 FERC ¶ 61,197 (Mar. 5, 2018) (accepting annual updates including elimination of cost allocations to Linden and HTP, effective January 1, 2018); *see also PJM Interconnection, L.L.C.*, Compliance Filing, Docket No. ER18-680-000 (Jan. 19, 2018) (filing in compliance with the December 15, 2017 orders issued in Docket Nos. EL17-84-000 and EL17-90-000 to eliminate cost responsibility to Linden and HTP as a result of relinquishing their Firm Transmission Withdrawal Rights effective January 1, 2018). Based on requests for rehearing granted by the Commission in Docket Nos. ER18-579-000 and the outstanding issues in Docket No. ER18-680, the Commission issued an order on July 19, 2018 setting for settlement proceedings all Commission dockets specific to eliminating cost allocations to Hudson and Linden effective January 1, 2018 as a result of their relinquishment of their Firm Transmission Withdrawal Rights. *See Linden VFT, LLC v. PJM Interconnection, L.L.C.*, 164 FERC ¶ 61,034 (July 19, 2018).

2. Description of Covered Transmission Enhancement Charge Adjustments for the Historical Period Prior to January 1, 2016

For the historical period (the period prior to January 1, 2016) during which the costs of the Covered Transmission Enhancements were recovered using the 100 percent load-ratio share method approved in Opinion No. 494,²⁵ Schedule 12-C Appendix C provides for Covered Transmission Enhancement Charge Adjustments to the billing for Covered Transmission Enhancements through a schedule of credits or payments from Responsible Customers based on a negotiated schedule. Specifically, effective as of January 1, 2016 and continuing through December 31, 2025, in addition to the Current Recovery Charge detailed in B(1) above, PJM shall collect from or credit to Responsible Customers the Transmission Enhancement Charge Adjustments set forth in Appendix 12-C for each Zone and each Merchant Transmission Facility.

C. Adjustments to Transmission Enhancement Charge Adjustments

The Settlement provides that the Transmission Enhancement Charge Adjustments set forth in Schedule 12-C Appendix C may be adjusted only under two circumstances as detailed in section 2.2(e) of the Settlement. Consistent with that provision, PJM proposes to make the following adjustments to the Transmission Enhancement Charge Adjustments.

1. Consistent with Section 2.2(e)(2) of the Settlement, PJM has Adjusted the Transmission Enhancement Charge Adjustments in Schedule 12-C Appendix C as a Result of Linden's and HTP's Relinquishment of their Firm Transmission Withdrawal Rights, Effective January 1, 2018.

Section 2.2(e)(2) of the Settlement provides, *inter alia*, that if a Merchant Transmission Facility is no longer subject to Transmission Enhancements Charges under the Tariff during the period in which Transmission Enhancement Charge Adjustments are collected, the Responsible Customer shall not be subject to such Transmission Enhancement Charges during the portion of

.

²⁵ See supra, at 3, n. 12.

that period and payment from or credits to such Responsible Customer(s) shall cease.

Section 2.2(e)(2) of the Settlement further provides that PJM shall adjust the Transmission

Enhancement Charge Adjustments payable by and credited to other Responsible Customers on a

pro rata basis so that if, for example, the Responsible Customers were required to make

payments, then the payment obligation associated with such Responsible Customers will be

allocated pro rata among all remaining Zones and Merchant Transmission Facilities in which

Responsible Customers remain subject to Transmission Enhancement Charges and have payment

obligations under this Schedule 12-C Appendix C.

were assigned cost responsibility for Transmission Enhancement Charge Adjustments under Schedule 12-C Appendix C. Given that Linden and HTP relinquished their Firm Transmission Withdrawal Rights, effective January 1, 2018, PJM adjusted, on a *pro rata* basis, allocations,

commencing January 1, 2018, to all remaining Zones and Merchant Transmission having

Merchant Transmission Facilities, Linden (identified as East Coast Power) and HTP,

payment obligations under Schedule 12-C Appendix C.

2. No Adjustments to Transmission Enhancement Charge Adjustments are

Required at this time for the Canceled PATH Project.

PJM has determined that no adjustment to the Transmission Enhancement Charge

Adjustments is required under section 2.2(e)(1) of the Settlement, as implemented by section

4(c)(i)(1) of Schedule 12-C. That provision provides that if the Commission issues a final

decision in Docket No. ER12-2708-003 "that is no longer subject to judicial review," relating to

the recovery of costs by the owners of the canceled Potomac Appalachian Transmission Highline

("PATH") project, PJM must make the necessary adjustments to the Transmission Enhancement

Charge Adjustments to ensure that the amounts recovered by Transmission Enhancement Charge

Adjustments with respect to that project "reflect only the amounts the Commission authorizes the owner(s) to recover prior to January 1, 2016." On January 19, 2017, the Commission issued Opinion No. 554 in Docket No. ER12-2708-003, addressing the PATH project owners' cost recovery. Opinion No. 554 is pending on rehearing. Moreover, under Opinion No. 554, the Commission did not require the owners of the PATH project to adjust their collections for the period prior to January 1, 2016, but instead directed them to issue refunds with interest associated with the decision in Opinion No. 554 as prospective credits against charges recovered after the decision pursuant to the annual update process described in the project owners' formula rate protocols. The PATH project owners began providing those credits through the annual update mechanism in 2018. Because Opinion No. 554 is not final and because the issuance of refunds as credits against future charges, in accordance that decision by the owners of the PATH

project ensures that the Transmission Enhancement Adjustments reflect only the amounts the

Commission authorizes them to recover prior to January 1, 2016, no adjustments are required

II. DOCUMENTS ENCLOSED

under the Settlement, section 2.2(e)(1).

- 1. This transmittal letter;
- 2. Attachment A Redlines of Schedule 12-C and Appendices and Schedule 12-Appendix, effective January 1, 2016 and forward; and
- 3. Attachment B Clean Versions of Schedule 12-C and Appendices and Schedule 12-Appendix, effective January 1, 2016 and forward.

²⁶ Potomac-Appalachian Transmission Highline, LLC, Opinion No. 554, 158 FERC ¶ 61.050 (2017).

²⁷ *Id.* at PP 85-86.

²⁸ See Compliance Filing, Docket Nos. ER12-2708-005, et al. (filed March 20, 2017).

III. COMMUNICATIONS

The following individuals are designated for receipt of any communications regarding this filing:

Craig Glazer

Vice President – Federal Government Policy PJM Interconnection, L.L.C. 1200 G Street, N.W. Suite 600 Washington, DC 20005

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IV. SERVICE

PJM has served a copy of this filing on all PJM Members and on all state utility regulatory commissions in the PJM Region by posting this filing electronically. In accordance with the Commission's regulations, ²⁹ PJM will post a copy of this filing to the FERC filings section of its internet site, located at the following link: http://www.pjm.com/documents/ferc-manuals/ferc-filings.aspx with a specific link to the newly-filed document, and will send an e-mail on the same date as this filing to all PJM Members and all state utility regulatory commissions in the PJM Region³⁰ alerting them that this filing has been made by PJM and is available by following such link. If the document is not immediately available by using the referenced link, the document will be available through the referenced link within 24 hours of the filing. Also, a copy of this filing will be available on the FERC's eLibrary website located at the

²⁹ See 18C.F.R §§ 35.2(e) and 385.2010(f)(3) (2018).

³⁰ PJM already maintains, updates and regularly uses e-mail lists for all PJM Members and affected state commissions.

The Honorable Kimberly D. Bose, Secretary PJM Interconnection, L.L.C. July 30, 2018 Page 10

following link: http://www.ferc.gov/docs-filing/elibrary.asp in accordance with the

Commission's regulations and Order No. 714.

Craig Glazer
Vice President – Federal Government Policy
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1200 G Street, N.W., Suite 600
Washington, D.C. 20005
Ph: (202) 423-4743

Fax: (202) 393-7741 craig_glazer@pjm.com Respectfully submitted,

By: \(\frac{1}{2} \)

Pauline Foley

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pauline.foley@pjm.com

On behalf of PJM Interconnection, L.L.C.

Dated: July 30, 2018

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that I have this day caused to be served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated at Audubon, PA, this 30th day of July, 2018.

Ву:

Pauline Foley

Associate General Counsel PJM Interconnection, L.L.C. 2750 Monroe Blvd.

Audubon, PA 19403 Ph: (610) 666-8248 Fax: (610) 666-8211

pauline.foley@pjm.com

On behalf of PJM Interconnection, L.L.C.

Attachment A

Revisions to Schedule 12-C Appendices B and C of the PJM Open Access Transmission Tariff

(Marked / Redline Format)

SCHEDULE 12-C APPENDIX B

Allocations for Canceled Projects

<u>PATH</u>	<u>MAPP</u>
<u>4.995.01</u> %	3.94%
4.37 4.39%	0.00%
9.22 9.26%	0.33%
0.00%	0.00%
<i>4.41</i> 4.43%	34.52 34.54%
0.00%	0.00%
0.00%	0.00%
0.00%	0.00%
0.00%	0.00%
0.02%	0.00%
6.88 6.91%	14.68 14.69%
10.77 10.82%	0.30%
0.00%	0.00%
0.00%	0.00%
11.59 11.64%	9.43%
2.93 2.94%	2.16%
1.11 1.12%	0.90%
14.45 <u>14.51</u> %	10.51 10.52%
0.00%	0.00%
6.08 <u>6.11</u> %	2.44%
6.36 <u>6.39</u> %	5.50%
15.79 15.86%	14.37 <u>14.71</u> %
0.59%	0.54%
0.00%	0.00%
0.44 <u>0.00</u> %	0.38 <u>0.00</u> %
100.00%	100.00%
	4.995.01% 4.374.39% 9.229.26% 0.00% 4.414.43% 0.00% 0.00% 0.00% 0.02% 6.886.91% 10.7710.82% 0.00% 0.00% 11.5911.64% 2.932.94% 1.111.12% 14.4514.51% 0.00% 6.086.11% 6.366.39% 15.7915.86% 0.59% 0.00% 0.00% 0.00%

Note: The above percentages apply to 50% of the responsibility to pay the Transmission Enhancement Charges for the identified Canceled Projects in accordance with section 3.b.ii.(2) of Schedule 12-C.

SCHEDULE 12-C APPENDIX C TRANSMISSION ENHANCEMENT CHARGE ADJUSTMENTS

(Effective January 1, <u>20162018</u>)

Zone or	TEC	TEC	Total TEC	TEC	TEC	Total TEC
MTF	Adjustment	Adjustment	Adjustment	Adjustment	Adjustment	Adjustment
WIII	Years 1-4	Years 1-4	Years	Years 5-10	Years 5-10	Years
	Without	PATH Only	1 through 4	Without	PATH Only	5 through 10
	PATH	r ATTI Olliy	1 unrough 4	PATH	r ATTI Olliy	5 through 10
ATE.	\$24,860.09	\$47,899.66	\$23,039.57	\$10,418.79	\$20,074.61	\$9,655.82
AE		' '				
AED	<u>-\$25,237.09</u>	\$48,626.05 -\$174,489.11	\$23,388.96	<u>-\$10,576.79</u>	\$20,379.04 -\$73,127.90	\$9,802.25 -\$1,097,741.90
AEP	-\$2,444,812.18 \$954.922.88	-\$174,489.11 \$52,440.01	-\$2,619,301.30 \$1,007,362.89	-\$1,024,614.00 \$400,205.53	-\$75,127.90 \$21.977.46	-\$1,097,741.90 \$422.182.99
APS	1 - 7 - 1 - 1	\$52,440.01 \$53,235.26			, , , , , , , , , , , , , , , , , , ,	, , , , , , , ,
ATSI	\$969,404.16 -\$1,093,902.38	-\$72,438.56	\$1,022,639.42	\$406,274.59	\$22,310.75	\$428,585.34
BGE	\$1.281.971.91	-\$72,438.30 -\$2,640.98	-\$1,166,340.94 \$1,279,330.93	-\$458,451.45 \$537.270.87	-\$30,358.80 \$1,106.83	-\$488,810.25 \$536,164.04
DGE	\$1,301,412.84	-\$2,681.03	\$1,298,731.81	\$545,418.51	-\$1,123.61	\$544,294.90
ComEd	-\$2,608,103.66	-\$221,693.57	-\$2,829,797.23	-\$1,093,049.01	-\$92,911.16	-\$1,185,960.17
ConEd				-\$1,093,049.01		
	-\$70,904.37 -\$375,384.08	-\$4,688.81 -\$34,767.87	-\$75,593.18 -\$410,151.95	-\$29,713.83	-\$1,965.07 -\$14,571.12	-\$31,680.89 -\$171,893.54
Dayton Duke	-\$375,384.08	-\$34,767.87 -\$20,247.63	-\$410,151.95	-\$157,322.42 -\$126,867.35	-\$14,571.12 -\$8,485.73	-\$171,893.34
OH/KY	-\$302,713.79	-φ20,247.03	-\$322,903.42	-\$120,007.33	-φο, 4 ου./υ	-\$155,555.07
Duquesne	-\$318,588.72	-\$28,822.02	-\$347,410.74	-\$133,519.65	-\$12,079.23	-\$145,598.88
Delmarva	-\$157,754.97	\$37,622.55	-\$120,132.43	-\$155,519.05	\$15,767.50	-\$50,347.17
DE DE DE	-\$157,754.97	\$57,022.55	-\$120,132.43	-\$00,114.07	\$13,707.30	-\$30,347.17
Delmarva	-\$97,639.85	\$22,956.13	-\$74,683.72	-\$40,920.59	\$9,620.85	-\$31,299.74
MD	Ψ71,037.03	Ψ22,730.13	φ/+,003.72	Ψ+0,720.37	ψ>,020.03	Ψ31,277.74
Delmarva	-\$13,369.07	\$3,188.35	-\$10,180.71	-\$5,602.94	\$1,336.23	-\$4,266.71
VA	Ψ13,307.07	ψ3,100.22	φ10,100.71	ψ3,002.51	Ψ1,550.25	ψ1,200.71
Dominion	\$2,548,417.01	\$29,708.12 -	\$2,518,708.88	\$1,068,034.50	\$12,450.59	\$1,055,583.90
	\$2,587,063.40	\$30,158.64	\$2,556,904.76	\$1,084,231.09	-\$12,639.40	\$1,071,591.69
EKPC	-\$88,156.35	-\$3,920.00	-\$92,076.35	-\$36,946.08	-\$1,642.86	-\$38,588.94
HTP	\$67,459.71	\$392.30	\$67,067.41	\$28,272.18	\$164.41	\$28,107.76
	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
JCPL	\$684,836.11	\$113,570.16	\$798,406.27	\$287,012.91	\$47,596.94	\$334,609.85
	<u>\$695,221.56</u>	<u>\$115,292.43</u>	<u>\$810,513.99</u>	<u>\$291,365.43</u>	<u>\$48,318.74</u>	<u>\$339,684.16</u>
MedEd	-\$290,626.73	\$14,498.19	-\$276,128.54	-\$121,800.86	\$6,076.15	-\$115,724.70
Neptune	\$63,553.63	\$10,067.97	\$73,621.60	\$26,635.15	\$4,219.46	\$30,854.61
	<u>\$64,517.41</u>	<u>\$10,220.65</u>	<u>\$74,738.06</u>	<u>\$27,039.07</u>	<u>\$4,283.45</u>	<u>\$31,322.51</u>
PECO	-\$766,990.16	\$132,927.71	-\$634,062.44	-\$321,443.45	\$55,709.64	-\$265,733.81
Penelec	-\$224,425.28	-\$30,009.25	-\$254,434.53	-\$94,056.01	-\$12,576.79	-\$106,632.80
PEPCO	\$787,856.55	\$9,072.91	\$796,929.46	\$330,188.49	\$3,802.43	\$333,990.92
DС	\$799,804.28	\$9,210.50	\$809,014.78	\$335,195.76	\$3,860.10	\$339,055.85
PEPCO	\$1,145,526.02	\$13,215.00	\$1,158,741.03	\$480,086.78	\$5,538.37	\$485,625.15
MD	\$1,162,897.77	<u>\$13,415.41</u>	\$1,176,313.18	\$487,367.23	\$5,622.36	\$492,989.59
PEPCO	\$273,479.45	\$3,154.91	\$276,634.36	\$114,614.48	\$1,322.21	\$115,936.69
SMECO	\$277,626.73	\$3,202.75	\$280,829.48	\$116,352.59	\$1,342.27	\$117,694.86
PPL EU	-\$786,877.08	\$20,174.85	-\$766,702.23	-\$329,778.00	\$8,455.23	-\$321,322.78
PPL UGI	-\$40.31	\$0.00	-\$40.31	-\$16.89	\$0.00	-\$16.89
PSEG	\$1,713,725.35	\$135,477.48	\$1,849,202.83	\$718,217.54	\$56,778.24	\$774,995.77
 	\$1,739,713.76	\$137,531.98	\$1,877,245.74	\$729,109.21	\$57,639.27	<u>\$786,748.48</u>
Rockland	\$63,940.65	\$4,698.27	\$68,638.92	\$26,797.35	\$1,969.03	\$28,766.38
T	\$64,910.31	\$4,769.52	\$69,679.82	\$27,203.73	\$1,998.89	\$29,202.62
East Coast	\$79,461.78	\$2,854.08	\$82,315.86	\$33,302.21	\$1,196.14	\$34,498.35
Power	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

Attachment B

Revisions to Schedule 12-C Appendices B and C of the PJM Open Access Transmission Tariff

(Clean Format)

SCHEDULE 12-C APPENDIX B

Allocations for Canceled Projects

	<u>PATH</u>	<u>MAPP</u>
AEC	5.01%	3.94%
AEP	4.39%	0.00%
APS	9.26%	0.33%
ATSI	0.00%	0.00%
BGE	4.43%	34.54%
ComEd	0.00%	0.00%
Coned	0.00%	0.00%
Dayton	0.00%	0.00%
DEOK	0.00%	0.00%
DL	0.02%	0.00%
DPL	6.91%	14.69%
Dominion	10.82%	0.30%
EKPC	0.00%	0.00%
HTP	0.00%	0.00%
JCPL	11.64%	9.43%
ME	2.94%	2.16%
Neptune	1.12%	0.90%
PECO	14.51%	10.52%
PENELEC	0.00%	0.00%
PEPCO	6.11%	2.44%
PPL	6.39%	5.50%
PSEG	15.86%	14.71%
RE	0.59%	0.54%
UGI	0.00%	0.00%
ECP	0.00%	0.00%
TOTAL	100.00%	100.00%

Note: The above percentages apply to 50% of the responsibility to pay the Transmission Enhancement Charges for the identified Canceled Projects in accordance with section 3.b.ii.(2) of Schedule 12-C.

SCHEDULE 12-C APPENDIX C

TRANSMISSION ENHANCEMENT CHARGE ADJUSTMENTS

(Effective January 1, 2018)

Zone or	TEC	TEC	Total TEC	TEC	TEC	Total TEC
MTF	Adjustment	Adjustment	Adjustment	Adjustment	Adjustment	Adjustment
WIII	Years 1-4	Years 1-4	Years	Years 5-10	Years 5-10	Years
	Without	PATH Only	1 through 4	Without	PATH Only	5 through 10
	PATH	0.40.505.0	\$22.200.05	PATH	\$20.25 0.04	Φο οοο ο σ
AE	-\$25,237.09	\$48,626.05	\$23,388.96	-\$10,576.79	\$20,379.04	\$9,802.25
AEP	-\$2,444,812.18	-\$174,489.11	-\$2,619,301.30	-\$1,024,614.00	-\$73,127.90	-\$1,097,741.90
APS	\$969,404.16	\$53,235.26	\$1,022,639.42	\$406,274.59	\$22,310.75	\$428,585.34
ATSI	-\$1,093,902.38	-\$72,438.56	-\$1,166,340.94	-\$458,451.45	-\$30,358.80	-\$488,810.25
BGE	\$1,301,412.84	-\$2,681.03	\$1,298,731.81	\$545,418.51	-\$1,123.61	\$544,294.90
ComEd	-\$2,608,103.66	-\$221,693.57	-\$2,829,797.23	-\$1,093,049.01	-\$92,911.16	-\$1,185,960.17
ConEd	-\$70,904.37	-\$4,688.81	-\$75,593.18	-\$29,715.83	-\$1,965.07	-\$31,680.89
Dayton	-\$375,384.08	-\$34,767.87	-\$410,151.95	-\$157,322.42	-\$14,571.12	-\$171,893.54
Duke	-\$302,715.79	-\$20,247.63	-\$322,963.42	-\$126,867.35	-\$8,485.73	-\$135,353.07
OH/KY						
Duquesne	-\$318,588.72	-\$28,822.02	-\$347,410.74	-\$133,519.65	-\$12,079.23	-\$145,598.88
Delmarva DE	-\$157,754.97	\$37,622.55	-\$120,132.43	-\$66,114.67	\$15,767.50	-\$50,347.17
Delmarva	-\$97,639.85	\$22,956.13	-\$74,683.72	-\$40,920.59	\$9,620.85	-\$31,299.74
MD	-\$77,037.63	\$22,930.13	-\$74,063.72	-\$40,720.33	\$9,020.63	-φ31,299.74
Delmarva	-\$13,369.07	\$3,188.35	-\$10,180.71	-\$5,602.94	\$1,336.23	-\$4,266.71
VA	-φ15,507.07	Ψ5,100.55	-φ10,100.71	-\$5,002.74	Ψ1,550.25	-φ,200.71
Dominion	\$2,587,063.40	-\$30,158.64	\$2,556,904.76	\$1,084,231.09	-\$12,639.40	\$1,071,591.69
EKPC	-\$88,156.35	-\$3,920.00	-\$92,076.35	-\$36,946.08	-\$1,642.86	-\$38,588.94
HTP	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JCPL	\$695,221.56	\$115,292.43	\$810,513.99	\$291,365.43	\$48,318.74	\$339,684.16
MedEd	-\$290,626.73	\$14,498.19	-\$276,128.54	-\$121,800.86	\$6,076.15	-\$115,724.70
Neptune	\$64,517.41	\$10,220.65	\$74,738.06	\$27,039.07	\$4,283.45	\$31,322.51
PECO	-\$766,990.16	\$132,927.71	-\$634,062.44	-\$321,443.45	\$55,709.64	-\$265,733.81
Penelec	-\$224,425.28	-\$30,009.25	-\$254,434.53	-\$94,056.01	-\$12,576.79	-\$106,632.80
PEPCO	\$799,804.28	\$9,210.50	\$809,014.78	\$335,195.76	\$3,860.10	\$339,055.85
DC						
PEPCO	\$1,162,897.77	\$13,415.41	\$1,176,313.18	\$487,367.23	\$5,622.36	\$492,989.59
MD						
PEPCO	\$277,626.73	\$3,202.75	\$280,829.48	\$116,352.59	\$1,342.27	\$117,694.86
SMECO						
PPL EU	-\$786,877.08	\$20,174.85	-\$766,702.23	-\$329,778.00	\$8,455.23	-\$321,322.78
PPL UGI	-\$40.31	\$0.00	-\$40.31	-\$16.89	\$0.00	-\$16.89
PSEG	\$1,739,713.76	\$137,531.98	\$1,877,245.74	\$729,109.21	\$57,639.27	\$786,748.48
Rockland	\$64,910.31	\$4,769.52	\$69,679.82	\$27,203.73	\$1,998.89	\$29,202.62
East Coast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Power						