

ATTACHMENT H-3F

Old Dominion Electric Cooperative		FERC Form 1 Page # or Instruction	2013
Formula Rate -- Appendix A		Notes	
Shaded cells are input cells			

Allocators

Classified Gross Plant Allocation Factor			
1	Transmission Plant in Service	p207.58.g	\$ 64,773,713
2	Total Plant in Service	p207.104.g	\$ 1,629,794,198
3	Less General Plant in Service	p207.99.g	\$ 12,320,597
4	Total	(Line 2 - 3)	1,617,473,601
5	Classified Gross Plant Allocator	(Line 1 / 4)	4.0046%
Plant Allocation Factors			
6	Electric Plant in Service	(Note B) p207.104g	\$ 1,629,794,198
7	Common Plant In Service - Electric	(Line 24)	0
8	Total Plant In Service	(Sum Lines 6 & 7)	1,629,794,198
9	Accumulated Depreciation (Total Electric Plant)	p219.29c	\$ 755,287,639
10	Accumulated Intangible Amortization	(Note A) p200.21c	0
11	Accumulated Common Amortization - Electric	(Note A) p356	0
12	Accumulated Common Plant Depreciation - Electric	(Note A) p356	0
13	Total Accumulated Depreciation	(Sum Lines 9 to 12)	755,287,639
14	Net Plant	(Line 8 - 13)	874,506,559
15	Transmission Gross Plant	(Line 29 - Line 28)	66,606,540
16	Gross Plant Allocator	(Line 15 / 8)	4.0868%
17	Transmission Net Plant	(Line 39 - Line 28)	38,137,260
18	Net Plant Allocator	(Line 17 / 14)	4.3610%

Plant Calculations

Plant In Service			
19	Transmission Plant In Service	(Note B) p207.58.g	64,773,713
20	For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year	For Reconciliation Only Attachment 6 - Enter Negative	
21	New Transmission Plant Additions for Current Calendar Year (weighted by months in service)	Attachment 6	37,500
22	Total Transmission Plant In Service	(Line 19 - 20 + 21)	64,811,213
23	General & Intangible	p205.5.g & p207.99.g	44,831,361
24	Common Plant (Electric Only)	(Notes A & B) p356	0
25	Total General & Common	(Line 23 + 24)	44,831,361
26	Classified Gross Plant Allocation Factor	(Line 5)	4.0046%
27	General & Common Plant Allocated to Transmission	(Line 25 * 26)	1,795,327
28	Plant Held for Future Use (Including Land)	(Note C) p214	0
29	TOTAL Plant In Service	(Line 22 + 27 + 28)	66,606,540
Accumulated Depreciation			
30	Transmission Accumulated Depreciation	(Note B) p219.25.c	28,064,269
31	Accumulated General Depreciation	p219.28.c	10,113,582
32	Accumulated Intangible Amortization	(Line 10)	0
33	Accumulated Common Amortization - Electric	(Line 11)	0
34	Common Plant Accumulated Depreciation (Electric Only)	(Line 12)	0
35	Total Accumulated Depreciation	(Sum Lines 31 to 34)	10,113,582
36	Classified Gross Plant Allocation Factor	(Line 5)	4.0046%
37	General & Common Allocated to Transmission	(Line 35 * 36)	405,011
38	TOTAL Accumulated Depreciation	(Line 30 + 37)	28,469,280
39	TOTAL Net Property, Plant & Equipment	(Line 29 - 38)	38,137,260

Adjustment To Rate Base

Accumulated Deferred Income Taxes				
40	ADIT net of FASB 106 and 109		Attachment 1	0
41	Accumulated Investment Tax Credit Account No. 255	Enter Negative	p266.h	0
42	Net Plant Allocation Factor	(Notes A & I)	(Line 18)	4.3610%
43	Accumulated Deferred Income Taxes Allocated To Transmission		(Line 41 * 42) + Line 40	0
Transmission O&M Reserves				
44	Total Balance Transmission Related Account 242 Reserves	Enter Negative	Attachment 5	0
Prepayments				
45	Prepayments	(Note A)	Attachment 5	152,817
46	Total Prepayments Allocated to Transmission		(Line 45)	152,817
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0
48	Classified Gross Plant Allocator		(Line 5)	4.0046%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	373,498
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	373,498
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 85)	3,792,023
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	474,003
Network Credits				
55	Outstanding Network Credits	(Note N)	From PJM	0
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits	(Note N)	From PJM	0
57	Net Outstanding Credits		(Line 55 - 56)	0
58	TOTAL Adjustment to Rate Base		(Line 43 + 44 + 46 + 51 + 54 - 57)	1,000,318
59	Rate Base		(Line 39 + 58)	39,137,578

O&M

Transmission O&M				
60	Transmission O&M	(Note Q)	p321.112.b - p321.88b	61,347,534
61	Less extraordinary property loss		Attachment 5	0
62	Plus amortized extraordinary property loss		Attachment 5	0
63	Less Account 565		p321.96.b	59,195,027
64	Plus Schedule 12 Charges billed to Transmission Owner and booked to Account 565	(Note O)	PJM Data	0
65	Plus Transmission Lease Payments	(Note A)	p200.4.c	0
66	Transmission O&M		(Lines 60 - 63 + 64 + 65)	2,152,507
Allocated General & Common Expenses				
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		p323.197.b	42,261,153
69	Less Property Insurance Account 924		p323.185b	1,826,149
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	1,452,359
71	Less General Advertising Exp Account 930.1		p323.191b	30,725
72	Less DE Enviro & Low Income and MD Universal Funds		p335.b	0
73	Less EPRI Dues	(Note D)	p352-353	0
74	General & Common Expenses		(Lines 67 + 68) - Sum (69 to 73)	38,951,920
75	Classified Gross Plant Allocator		(Line 5)	4.0046%
76	General & Common Expenses Allocated to Transmission		(Line 74 * 75)	1,559,877
Directly Assigned A&G				
77	Regulatory Commission Exp Account 928	(Note G)	p323.189b	0
78	General Advertising Exp Account 930.1	(Note K)	p323.191b	0
79	Subtotal - Transmission Related		(Line 77 + 78)	0
80	Property Insurance Account 924		p323.185b	1,826,149
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	0
82	Total		(Line 80 + 81)	1,826,149
83	Net Plant Allocation Factor		(Line 18)	4.3610%
84	A&G Directly Assigned to Transmission		(Line 82 * 83)	79,638
85	Total Transmission O&M		(Line 66 + 76 + 79 + 84)	3,792,023

Depreciation & Amortization Expense

Depreciation Expense				
86	Transmission Depreciation Expense		p336.7b&c	1,899,013
87	General Depreciation		p336.10b&c	1,317,329
88	Intangible Amortization	(Note A)	p336.1d&e	0
89	Total		(Line 87 + 88)	1,317,329
90	Classified Gross Plant Allocator		(Line 5)	4.0046%
91	General Depreciation Allocated to Transmission		(Line 89 * 90)	52,754
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	0
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0
94	Total		(Line 92 + 93)	0
95	Classified Gross Plant Allocator		(Line 5)	4.0046%
96	Common Depreciation - Electric Only Allocated to Transmission		(Line 94 * 95)	0
97	Total Transmission Depreciation & Amortization		(Line 86 + 91 + 96)	1,951,767

Taxes Other than Income

98	Taxes Other than Income		Attachment 2	342,280
99	Total Taxes Other than Income		(Line 98)	342,280

Return / Capitalization Calculations

Long Term Interest				
100	Long Term Interest		p117.62c through 67c	47,063,267
101	Less LTD Interest on Securitization Bonds	(Note P)	Attachment 8	0
102	Long Term Interest		*(Line 100 - line 101)*	47,063,267
103	Preferred Dividends	enter positive	p118.29c	0
Common Stock				
104	Proprietary Capital		p112.16c	369,997,399
105	Less Preferred Stock	enter negative	(Line 114)	0
106	Less Account 216.1	enter negative	p112.12c	0
107	Common Stock		(Sum Lines 104 to 106)	369,997,399
Capitalization				
108	Long Term Debt		p112.18c through 22c	777,622,000
109	Less Loss on Reacquired Debt	enter negative	p111.81c	(17,435,124)
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	584,090
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	0
112	Less LTD on Securitization Bonds	(Note P)	Attachment 8	0
113	Total Long Term Debt		(Sum Lines 108 to 112)	760,770,966
114	Preferred Stock		p112.3c	0
115	Common Stock		(Line 107)	369,997,399
116	Total Capitalization		(Sum Lines 113 to 115)	1,130,768,365
117	Debt %	Total Long Term Debt	(Line 113 / 116)	67.3%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0.0%
119	Common %	Common Stock	(Line 115 / 116)	32.7%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0619
121	Preferred Cost	Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost	Common Stock	(Note J) Fixed	0.1050
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0416
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0344
126	Total Return (R)		(Sum Lines 123 to 125)	0.0760
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	2,973,577

Composite Income Taxes

Income Tax Rates			
128	FIT=Federal Income Tax Rate		0.00%
129	SIT=State Income Tax Rate or Composite	(Note I)	0.00%
130	p	(percent of federal income tax deductible for state purposes)	0.00%
131	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$	0.00%
132	T / (1-T)		0.00%
ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative	0
134	T/(1-T)	p266.8f	0.00%
135	Net Plant Allocation Factor	(Line 18)	4.3610%
136	ITC Adjustment Allocated to Transmission	(Line 133 * (1 + 134) * 135)	0
137	Income Tax Component =	$CIT=(T/1-T) * Investment\ Return * (1-(WCLTD/R)) =$	[Line 132 * 127 * (1-(123 / 126))] 0
138	Total Income Taxes	(Line 136 + 137)	0

REVENUE REQUIREMENT

Summary			
139	Net Property, Plant & Equipment	(Line 39)	38,137,260
140	Adjustment to Rate Base	(Line 58)	1,000,318
141	Rate Base	(Line 59)	39,137,578
142	O&M	(Line 85)	3,792,023
143	Depreciation & Amortization	(Line 97)	1,951,767
144	Taxes Other than Income	(Line 99)	342,280
145	Investment Return	(Line 127)	2,973,577
146	Income Taxes	(Line 138)	0
147	Gross Revenue Requirement	(Sum Lines 142 to 146)	9,059,646
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service	(Line 19)	64,773,713
149	Excluded Transmission Facilities	(Note M) Attachment 5	47,547,011
150	Included Transmission Facilities	(Line 148 - 149)	17,226,702
151	Inclusion Ratio	(Line 150 / 148)	26.60%
152	Gross Revenue Requirement	(Line 147)	9,059,646
153	Adjusted Gross Revenue Requirement	(Line 151 * 152)	2,409,432
Revenue Credits & Interest on Network Credits			
154	Revenue Credits	Attachment 3	0
155	Interest on Network Credits	(Note N) PJM Data	0
156	Net Revenue Requirement	(Line 153 - 154 + 155)	2,409,432
Net Plant Carrying Charge			
157	Gross Revenue Requirement	(Line 147)	9,059,646
158	Net Transmission Plant	(Line 19 - 30)	36,709,444
159	Net Plant Carrying Charge	(Line 157 / 158)	24.6793%
160	Net Plant Carrying Charge without Depreciation	(Line 157 - 86) / 158	19.5062%
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	(Line 157 - 86 - 127 - 138) / 158	11.4059%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Gross Revenue Requirement Less Return and Taxes	(Line 152 - 145 - 146)	6,086,070
163	Increased Return and Taxes	Attachment 4	3,101,638
164	Net Revenue Requirement per 100 Basis Point increase in ROE	(Line 162 + 163)	9,187,708
165	Net Transmission Plant	(Line 19 - 30)	36,709,444
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE	(Line 164 / 165)	25.0282%
167	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	(Line 163 - 86) / 165	19.8551%
168	Net Revenue Requirement	(Line 156)	2,409,432
169	True-up amount	Attachment 6	210,479
170	Plus any increased ROE calculated on Attachment 7 other than PJM Sch. 12 projects	Attachment 7	-
171	Facility Credits under Section 30.9 of the PJM OATT	Attachment 5	-
172	Net Zonal Revenue Requirement	(Line 168 - 169 + 171)	2,619,911
Network Zonal Service Rate			
173	1 CP Peak	(Note L) PJM Data	4,019
174	Rate (\$/MW-Year)	(Line 172 / 173)	652
175	Network Service Rate (\$/MW/Year)	(Line 174)	652

Notes

- A Electric portion only
- B Exclude Construction Work In Progress and leases that are expensed as O&M (rather than amortized). New Transmission plant that is expected to be placed in service in the current calendar year weighted by number of months it is expected to be in-service. New Transmission plant expected to be placed in service in the current calendar year that is not included in the PJM Regional Transmission Plan (RTEP) must be separately detailed on Attachment 5. For the Reconciliation, new transmission plant that was actually placed in service weighted by the number of months it was actually in service.
- C Transmission Portion Only
- D All EPRI Annual Membership Dues
- E All Regulatory Commission Expenses
- F Safety related advertising included in Account 930.1
- G Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at 351.h.
- I 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.
- J ROE is determined initially to be 10.50% and no change will be made absent a filing with the FERC.
- K Education and outreach expenses relating to transmission, for example siting or billing
- L As provided for in Section 34.1 of the PJM OATT and the PJM established billing determinants.
- M Amount of transmission plant excluded from rates per Attachment 5.
- N Outstanding Network Credits is the balance of Network Facilities Upgrades Credits due Transmission Customers who have made lump-sum payments to Old Dominion (net of accumulated depreciation) towards 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 to make the Transmission Owner whole on Line 155.
- O 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 in on line 64
- P Securitization bonds may be included in the capital structure.
- Q Account 561.4 expenses for Scheduling, System Control and Dispatching Service:
Old Dominion elects to exclude recovery of expenses recorded in Account 561.4, without prejudice to recovery of such expenses in future informational filings under its rate formula. Account 562 expenses related to Virginia mainland costs of facilities that ODEC does not own and, thus, would otherwise not be properly excluded from the transmission revenue requirements through the exclusion adjustment.

END

Attachment 1- Accumulated Deferred Income Taxes (ADIT) Worksheet

ADITC-255

		Item	Balance	Amortization
1	Rate Base Treatment			
2	Balance to line 41 of Appendix A	Total		
3	Amortization			
4	Amortization to line 133 of Appen	Total		
5	Total			
6	Total Form No. 1 (p 266 & 267)	Form No. 1 balance (p.266) for amortization		
7	Difference /1			

/1 Difference must be zero

Old Dominion Electric Cooperative
Attachment 2 - Taxes Other Than Income Worksheet

<i>Other Taxes</i>	<i>Page 263 Col (i)</i>	<i>Allocator</i>	<i>Allocated Amount</i>
Plant Related		Gross Plant Allocator	
1 Real property (State, Municipal or Local)	7,565,462	4.0868%	\$ 309,186
2 Personal property		4.0868%	\$ -
3 Federal/State Excise		4.0868%	\$ -
4		4.0868%	\$ -
5		4.0868%	\$ -
6		4.0868%	\$ -
Total Plant Related	7,565,462		309,186
Labor Related		Classified Gross Plant Allocator	
7 Federal FICA & Unemployment	812,938		
8 Virginia Unemployment	13,455		
9			
10			
11			
Total Labor Related	826,393	4.0046%	33,094
Other Included		Gross Plant Allocator	
12 Miscellaneous	0		
13			
14			
Total Other Included	0	4.0868%	0
Total Included			342,280
Currently Excluded			
15 Income	12,997		
16			
17			
18			
19			
20			
21			
22			
23 Total "Other" Taxes (included on p. 263)	8,404,852		
24 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	8,391,855		
25 Difference	12,997		

Criteria for Allocation:

- A Other taxes that are incurred through ownership of plant including transmission plant will be allocated based on the Gross Plant Allocator. If the taxes are 100% recovered at retail they will not be included.
- B **[Intentionally left blank.]**
- C Other taxes that are assessed based on labor will be allocated based on the Classified Gross Plant 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.
- E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

Old Dominion Electric Cooperative
Attachment 3 - Revenue Credit Workpaper

Table with columns for description, calculation/summing, and values. Includes sections for Account 454 (Rent from Electric Property), Account 456 (Other Electric Revenues), Revenue Adjustment to determine Revenue Credit, and final totals for Accounts 454 and 456.

Old Dominion Electric Cooperative

Attachment 4 - Calculation of 100 Basis Point Increase in ROE

A	Return and Taxes with 100 Basis Point increase in ROE			
	100 Basis Point increase in ROE and Income Taxes	(Line 127 + Line 138)		3,101,638
B	100 Basis Point increase in ROE			1.00%

Return Calculation

59	Rate Base		(Line 39 + 58)	39,137,578
	Long Term Interest			
100	Long Term Interest		p117.62c through 67c	47,063,267
101	Less LTD Interest on Securitization B (Note P)		Attachment 8	-
102	Long Term Interest		"(Line 100 - line 101)"	47,063,267
103	Preferred Dividends	enter positive	p118.29c	-
	Common Stock			
104	Proprietary Capital		p112.16c	369,997,399
105	Less Preferred Stock	enter negative	(Line 114)	-
106	Less Account 216.1	enter negative	p112.12c	-
107	Common Stock		(Sum Lines 104 to 106)	369,997,399
	Capitalization			
108	Long Term Debt		p112.18c through 22c	777,622,000
109	Less Loss on Reacquired Debt	enter negative	p111.81c	(17,435,124)
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	584,090
111	Less ADIT associated with Gain or Loss	enter negative	Attachment 1	-
112	Less LTD on Securitization Bonds	enter negative	Attachment 8	-
113	Total Long Term Debt		(Sum Lines 108 to 112)	760,770,966
114	Preferred Stock		p112.3c	-
115	Common Stock		(Line 107)	369,997,399
116	Total Capitalization		(Sum Lines 113 to 115)	1,130,768,365
117	Debt %	Total Long Term Debt	(Line 113 / 116)	67.28%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0.00%
119	Common %	Common Stock	(Line 115 / 116)	32.72%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0619
121	Preferred Cost	Preferred Stock	(Line 103 / 114)	0.0000
122	Common Cost	Common Stock	Appendix A % plus 100 Basis Pts	0.1150
123	Weighted Cost of Debt	Total Long Term Debt (WCLTD)	(Line 117 * 120)	0.0416
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0376
126	Total Return (R)		(Sum Lines 123 to 125)	0.0792
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	3,101,638

Composite Income Taxes

	Income Tax Rates			
128	FIT=Federal Income Tax Rate			0.00%
129	SIT=State Income Tax Rate or Composite			0.00%
130	p = percent of federal income tax deductible for state purposes		Per State Tax Code	0.00%
131	T	$T=1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		0.00%
132	T / (1-T)			0.00%
	ITC Adjustment			
133	Amortized Investment Tax Credit	enter negative	p266.8f	-
134	T/(1-T)		(Line 132)	0%
135	Net Plant Allocation Factor		(Line 18)	4.3610%
136	ITC Adjustment Allocated to Transmission	(Note I from Appendix A)	(Line 133 * (1 + 134) * 135)	0
137	Income Tax Component =	$CIT=(T/1-T) * Investment Return * (1-(WCLTD/R)) =$		-
138	Total Income Taxes			-

Old Dominion Electric Cooperative

Attachment 5 - Cost Support

Electric / Non-electric Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Electric Portion	Non-electric Portion	Details
Plant Allocation Factors							
10	Accumulated Intangible Amortization	(Note A)	p200.21c	0	0	0	See Form 1
11	Accumulated Common Amortization - Electric	(Note A)	p356	0	0	0	
12	Accumulated Common Plant Depreciation - Electric	(Note A)	p356	0	0	0	See Form 1
Plant In Service							
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	See Form 1
Accumulated Deferred Income Taxes							
41	Accumulated Investment Tax Credit Account No. 255	(Notes A & I)	p266.h	0	0	0	See Form 1
Materials and Supplies							
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0			100% Electric
Allocated General & Common Expenses							
65	Plus Transmission Lease Payments	(Note A)	p200.4.c	0			
67	Common Plant O&M	(Note A)	p356	0	0	0	
Depreciation Expense							
88	Intangible Amortization	(Note A)	p336.1d&e	0	0	0	
92	Common Depreciation - Electric Only	(Note A)	p336.11.b	0	0	0	See Form 1, electric only.
93	Common Amortization - Electric Only	(Note A)	p356 or p336.11d	0	0	0	See Form 1, electric only.

Transmission / Non-transmission Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Transmission Related	Non-transmission Related	Details
28	Plant Held for Future Use (Including Land)	(Note C)	p214	30,753,148	0	30,753,148	Specific identification based on plant records: The following plant investments are included: 1 2 3 4 5

CWIP & Expensed Lease Worksheet

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	CWIP In Form 1 Amount	Expensed Lease in Form 1 Amount	Details
Plant Allocation Factors							
6	Electric Plant in Service	(Note B)	p207.104g	\$ 1,629,794,198	0	0	
Plant In Service							
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 64,773,713	0	0	
24	Common Plant (Electric Only)	(Notes A & B)	p356	0	0	0	
Accumulated Depreciation							
30	Transmission Accumulated Depreciation	(Note B)	p219.25.c	28,064,269	0	0	

EPRI Dues Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	EPRI Dues	Details	
Allocated General & Common Expenses							
73	Less EPRI Dues	(Note D)	p352-353	0	0		

Old Dominion Electric Cooperative

Attachment 5 - Cost Support

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
70	Allocated General & Common Expenses Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	\$ 1,452,359	0	1,452,359	
77	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G)	p323.189b	1,452,359	0	1,452,359	

Safety Related Advertising Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Safety Related	Non-safety Related	Details
81	Directly Assigned A&G General Advertising Exp Account 930.1	(Note F)	p323.191b	30,725	0	30,725	

MultiState Workpaper

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				State 1	State 2	State 3	State 4	State 5	Details
129	Income Tax Rates SIT=State Income Tax Rate or Composite	(Note I)	0						

Education and Out Reach Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Form 1 Amount	Education & Outreach	Other	Details
78	Directly Assigned A&G General Advertising Exp Account 930.1	(Note K)	p323.191b	30,725	0	30,725	

Excluded Plant Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Excluded Transmission Facilities	Description of the Facilities
149	Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities Excluded Transmission Facilities	(Note M)	Attachment 5		
Instructions:				Enter \$	None
1 Remove all investment below 69 kV or generator step up transformers included in transmission plant in service that are not a result of the RTEP Process				49,423,832	Total Transmission Facilities Excluded from Zonal Rates
2 If unable to determine the investment below 69kV in a substation with investment of 69 kV and higher as well as below 69 kV, the following formula will be used:				1,876,821	Investment included in total above which qualify for inclusion in Zonal Charges
Example					
A Total investment in substation				1,000,000	
B Identifiable investment in Transmission (provide workpapers)				500,000	
C Identifiable investment in Distribution (provide workpapers)				400,000	
D Amount to be excluded (A x (C / (B + C)))				444,444	
Add more lines if necessary					

Old Dominion Electric Cooperative

Attachment 5 - Cost Support

Transmission Related Account 242 Reserves

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Total	Allocation	Transmission Related	Details
44	Transmission Related Account 242 Reserves (exclude current year environmental site related reserves)	Enter \$		Amount	
	Directly Assignable to Transmission				
	Labor Related, General plant related or Common Plant related				
	Plant Related				
	Other				
	Total Transmission Related Reserves				

Prepayments

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions				Description of the Prepayments	
45	Prepayments		To Line 45		
5	Classified Gross Plant Allocator		4.005%		
	Pension Liabilities, if any, in Account 242	-	4.005%	-	
	Prepayments - P111.57.c.	\$ 3,816,011	4.005%	152,817	
	Prepaid Pensions if not included in Prepayments		4.005%	-	
		3,816,011	4.005%	152,817	

Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Outstanding Network Credits	Description of the Credits
Network Credits		Enter \$	
55	Outstanding Network Credits (Note N) From PJM	0	General Description of the Credits
56	Less Accumulated Depreciation Associated with Facilities with Outstanding Network Credits (Note N) From PJM	0	

Add more lines if necessary

Extraordinary Property Loss

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Number of years	Amortization	w/ interest
61	Less extraordinary property loss Attachment 5				
62	Plus amortized extraordinary property loss Attachment 5				

Old Dominion Electric Cooperative

Attachment 5 - Cost Support

Interest on Outstanding Network Credits Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Interest on Network Credits	Description of the Interest on the Credits
155	Revenue Credits & Interest on Network Credits Interest on Network Credits (Note N) PJM Data	Enter \$	General Description of the Credits None <i>Add more lines if necessary</i>

Facility Credits under Section 30.9 of the PJM OATT

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		Amount	Description & PJM Documentation
171	Net Revenue Requirement Facility Credits under Section 30.9 of the PJM OATT		

PJM Load Cost Support

Attachment A Line #s, Descriptions, Notes, Form 1 Page #s and Instructions		1 CP Peak	Description & PJM Documentation
173	Network Zonal Service Rate 1 CP Peak (Note L) PJM Data	4,019	See Form 1

Statements BG/BH (Present and Proposed Revenues)

Customer	Billing Determinants	Current Rate	Proposed Rate	Current Revenues	Proposed Revenues	Change in Revenues
Total				-	-	-

Old Dominion Electric Cooperative

Attachment 5a - Allocations of Costs to Affiliates

Old Dominion Electric Cooperative
Attachment 6 - Estimate and Reconciliation Worksheet

Step Month Year Action

Exec Summary

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2012)
- 2 April Year 2 TO estimates all transmission Cap Adds for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2013)
- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
- 4 May Year 2 Post results of Step 3 on PJM web site
- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2013 - May 31, 2014)

- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2013)
- 7 April Year 3 TO estimates Cap Adds during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2014)
- 8 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds in Reconciliation (adjusted to include any Reconciliation amount from prior year)
- 9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 8 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)
- 10 May Year 3 Post results of Step 9 on PJM web site
- 11 June Year 3 Results of Step 9 go into effect for the Rate Year 3 (e.g., June 1, 2014 - May 31, 2015)

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2012)
\$ 2,236,738 Rev Req based on Year 1 data Must run Appendix A to get this number (without any cap adds in line 21 of Appendix A)

- 2 April Year 2 TO estimates all transmission Cap Adds for Year 2 weighted based on Months expected to be in service in Year 2 (e.g., 2013)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	-	11.5	-	-
Feb	-	10.5	-	-
Mar	60,000	9.5	570,000	47,500
Apr	-	8.5	-	-
May	-	7.5	-	-
Jun	60,000	6.5	390,000	32,500
Jul	-	5.5	-	-
Aug	-	4.5	-	-
Sep	60,000	3.5	210,000	17,500
Oct	-	2.5	-	-
Nov	-	1.5	-	-
Dec	60,000	0.5	30,000	2,500
Total	240,000		1,200,000	100,000
New Transmission Plant Additions for Year 2 (weighted by months in service)				100,000

- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
\$ 100,000 Input to Formula Line 21

- 4 May Year 2 Post results of Step 3 on PJM web site
\$ 2,238,955 Must run Appendix A to get this number (with prospective weighted cap adds in line 21)

- 5 June Year 2 Results of Step 3 go into effect for the Rate Year 1 (e.g., June 1, 2013 - May 31, 2014)
\$ 2,238,955

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2013)
 \$ 2,408,606 Rev Req based on Prior Year data **Must run Appendix A to get this number (without any cap adds in line 21 of Appendix A)**

7 April Year 3 TO estimates Cap Adds during Year 3 weighted based on Months expected to be in service in Year 3 (e.g., 2014)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	6,250	11.5	71,875	5,990
Feb	6,250	10.5	65,625	5,469
Mar	6,250	9.5	59,375	4,948
Apr	6,250	8.5	53,125	4,427
May	6,250	7.5	46,875	3,906
Jun	6,250	6.5	40,625	3,385
Jul	6,250	5.5	34,375	2,865
Aug	6,250	4.5	28,125	2,344
Sep	6,250	3.5	21,875	1,823
Oct	6,250	2.5	15,625	1,302
Nov	6,250	1.5	9,375	781
Dec	6,250	0.5	3,125	260
Total	75,000		450,000	37,500

New Transmission Plant Additions for Year 3 (weighted by months in service) 37,500 Input to Formula Line 21 \$ 2,409,432

8 April Year 3 Reconciliation - TO calculates Reconciliation by removing from Year 2 data - the total Cap Adds placed in service in Year 2 and adding weighted average in Year 2 actual Cap Adds in Reconciliation (adjusted to include any Reconciliation amount from prior year)

Remove all Cap Adds placed in service in Year 2
 For Reconciliation only - remove actual New Transmission Plant Additions for Year 2 \$ (1,159,116) Input to Formula Line 20

Add weighted Cap Adds actually placed in service in Year 2

	Actual In Service Date	Weighting	Amount	One 12th
Jan	-	11.5	-	-
Feb	-	10.5	-	-
Mar	214,666	9.5	2,039,327	169,944
Apr	-	8.5	-	-
May	101,342	7.5	760,065	63,339
Jun	-	6.5	-	-
Jul	-	5.5	-	-
Aug	74,330	4.5	334,485	27,874
Sep	47,125	3.5	164,938	13,745
Oct	210,502	2.5	526,255	43,855
Nov	478,499	1.5	717,749	59,812
Dec	32,652	0.5	16,326	1,361
Total	1,159,116		4,559,144	379,929

New Transmission Plant Additions for Year 2 (weighted by months in service) 379,929 Input to Formula Line 21

\$ 2,442,468 Result of Formula for Reconciliation **Must run Appendix A with cap adds in line 21 & line 20**
 (Year 2 data with total of Year 2 Cap Adds removed and monthly weighted average of Year 2 actual Cap Adds added in)

True-Up Workpapers

Adjustment for Eastern Shore Purchase

Total Additions	\$ 2,353,030	Total Form 1, page 206, line 58, Col. C
Clover/North Anna/CTs	\$ 1,193,914	Removed as facility excluded from zonal
Rock Springs	\$ -	rate
	\$ 1,159,116	Remaining balance added in Jan 12 for eastern shore

9 April Year 3 Reconciliation - TO adds the difference between the Reconciliation in Step 8 and the forecast in Line 5 with interest to the result of Step 7 (this difference is also added to Step 8 in the subsequent year)

The Reconciliation in Step 8	The forecast in Prior Year	
2,442,468	-	2,238,955
		=
		203,513

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for N		0.2708%				
Month	Yr	1/12 of Step 9	Interest rate for March of the Current \	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	16,959	0.2708%	11.5	528	17,488
Jul	Year 1	16,959	0.2708%	10.5	482	17,442
Aug	Year 1	16,959	0.2708%	9.5	436	17,396
Sep	Year 1	16,959	0.2708%	8.5	390	17,350
Oct	Year 1	16,959	0.2708%	7.5	344	17,304
Nov	Year 1	16,959	0.2708%	6.5	299	17,258
Dec	Year 1	16,959	0.2708%	5.5	253	17,212
Jan	Year 2	16,959	0.2708%	4.5	207	17,166
Feb	Year 2	16,959	0.2708%	3.5	161	17,120
Mar	Year 2	16,959	0.2708%	2.5	115	17,074
Apr	Year 2	16,959	0.2708%	1.5	69	17,028
May	Year 2	16,959	0.2708%	0.5	23	16,982
Total		203,513				206,820

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	206,820	0.2708%	17,540	189,840
Jul	Year 2	189,840	0.2708%	17,540	172,815
Aug	Year 2	172,815	0.2708%	17,540	155,743
Sep	Year 2	155,743	0.2708%	17,540	138,625
Oct	Year 2	138,625	0.2708%	17,540	121,460
Nov	Year 2	121,460	0.2708%	17,540	104,249
Dec	Year 2	104,249	0.2708%	17,540	86,992
Jan	Year 3	86,992	0.2708%	17,540	69,687
Feb	Year 3	69,687	0.2708%	17,540	52,336
Mar	Year 3	52,336	0.2708%	17,540	34,938
Apr	Year 3	34,938	0.2708%	17,540	17,493
May	Year 3	17,493	0.2708%	17,540	-
Total with interest				210,479	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year	210,479
Rev Req based on Year 2 data with estimated Cap Adds for Year 3	\$ 2,409,432
Revenue Requirement for Year 3	2,619,911

10 May Year 3 Post results of Step 9 on PJM web site
 \$ 2,619,911 Post results of Step 3 on PJM web site

11 June Year 3 Results of Step 9 go into effect for the Rate Year 3 (e.g., June 1, 2014 - May 31, 2015)
 \$ 2,619,911

Old Dominion Electric Cooperative
Attachment 7 - Transmission Enhancement Charge Worksheet

New Plant Carrying Charge

Fixed Charge Rate (FCR) if not a CIAC

Formula Line			
A	160	Net Plant Carrying Charge without Depreciation	19.5062%
B	167	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation	19.8551%
C		Line B less Line A	0.3489%

FCR if a CIAC

D	161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes	11.4059%
---	-----	--	----------

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

ROE is determined initially to be 10.50% and will not be changed absent a filing with the FERC.


Details		Project A				Project B				Project C						
Schedule 12 Life	(Yes or No)															
CIAC	(Yes or No)															
Increased ROE (Basis Points)																
FCR W 10.5% ROE		0.212174204				0.2121742				0.1950624						
(FCR w/ 10.5% ROE + FCR w/ 10.5% ROE x Increased ROE/100)																
FCR for This Project Investment		0.215553362	may be weighted average of small projects				0.2155534			0.1950624						
Annual Depreciation Exp In Service Month (1-12)																
	Invest Yr	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Beginning	Depreciation	Ending	Revenue	Total	Incentive Charged	Revenue Credit
W 10.5 % ROE	2006	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2006	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2007	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2007	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2008	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2008	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2009	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2009	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2010	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2010	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2011	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2011	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2012	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2012	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2013	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2013	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2014	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2014	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2015	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2015	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2016	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2016	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2017	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2017	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2018	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2019	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2020	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2021	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2022	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2023	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2024	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W 10.5 % ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
W Increased ROE	2025	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
....	\$ -	\$ -	\$ -
....	\$ -	\$ -	\$ -

Old Dominion Electric Cooperative
Attachment 8 - Company Exhibit - Securitization Workpaper

Line #

Long Term Interest
101 Less LTD Interest on Securitization Bonds 

Capitalization
112 Less LTD on Securitization Bonds 

Calculation of the above Securitization Adjustments


Old Dominion Electric Cooperative Template Workpapers Summary of 2013 Formulary Transmission Expenses & Adjustments

Line No. (a)	Description (b)	2013 Form 1 Reference (c)	2013 Form 1 (d)	Adjs. (e)	(Template Entries)		
					Adjusted (f)	Source of Adjustments (g)	
	Expense Items						
1	Transmission O&M						
2	(560) Operation Supervision and Engineering	Pg. 321.83.b	\$ 222,124	\$	\$ 222,124		
3	(561.4) Scheduling, Sys Control and Dispatch	Pg. 321.88.b	\$ 3,332,808	\$ (3,332,808)	\$ -		Removed per formula
4	(561.7) Generation Interconnection Studies	Pg. 321.91.b	\$ -	\$	\$ -		
5	(561.8) Reliability, Planning and Standards Development	Pg. 321.92.b	\$ 127,973	\$	\$ 127,973		
6	(562) Station Expenses	Pg. 321.93.b	\$ 1,364,876	\$ (1,021,037)	\$ 343,839		Note 1
7	(563) Overhead Lines Expenses	Pg. 321.94.b	\$ 1,320,969	\$	\$ 1,320,969		
8	(564) Underground Lines Expenses	Pg. 321.95.b	\$ 137,602	\$	\$ 137,602		
9	(565) Transmission of Electricity by Others	Pg. 321.96.b	\$ 59,195,027	\$ (59,195,027)	\$ -		Removed per formula
10	Net Transmission O&M in Template	template ln. 66	\$ 65,701,379	\$ (63,548,872)	\$ 2,152,507		

Notes: 1. Excluded \$1,021,037 from account 562 related to Virginia mainland cost of facilities that ODEC does not own and, thus, would otherwise not be properly excluded from the transmission revenue requirements through the exclusion/inclusion factor in the formula.

**Old Dominion Electric Cooperative
Transmission Original Cost Workpaper for
Excluded Plant Cost Support
Attachment 5 - Line 149**

Transmission Account Balances

Line No.	<u>Description</u>	12/31/2013 <u>Asset Balance</u>
(a)	(b)	(c)
1	Total Transmission Assets (FF1 p. 207.58.g)	\$ 64,773,713
	<u>Excluded Facilities:</u>	
2	Clover	\$ 12,224,482
3	North Anna	\$ 5,336,860
4	CTs - Louisa/Marsh Run/Rock Springs	<u>\$ 29,985,669</u>
5	Total Excluded Facilities	\$ 47,547,011
	<u>Included Facilities:</u>	
6	ODEC- Static Var	\$ 1,876,821
7	Eastern Shore Facilities	<u>\$ 15,349,881</u>
8	Total Included Facilities (template line 150)	\$ 17,226,702

