

ATTACHMENT H-3F

Old Dominion Electric Cooperative

Formula Rate -- Appendix A

Notes

FERC Form 1 Page # or
Instruction

2010

Shaded cells are input cells

Allocators

Classified Gross Plant Allocation Factor			
1	Transmission Plant in Service		\$ 62,020,004
2	Total Plant in Service	p207.58.g	\$ 1,597,628,847
3	Less General Plant in Service	p207.104.g	\$ 11,131,078
4	Total	p207.99.g (Line 2 - 3)	1,586,497,769
5	Classified Gross Plant Allocator	(Line 1 / 4)	3.9092%
Plant Allocation Factors			
6	Electric Plant in Service	(Note B) p207.104g	\$ 1,597,628,847
7	Common Plant In Service - Electric	(Line 24)	0
8	Total Plant In Service	(Sum Lines 6 & 7)	1,597,628,847
9	Accumulated Depreciation (Total Electric Plant)	p219.29c	\$ 663,871,068
10	Accumulated Intangible Amortization	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)	663,871,068
14	Net Plant	(Line 8 - 13)	933,757,779
15	Transmission Gross Plant	(Line 29 - Line 28)	63,766,738
16	Gross Plant Allocator	(Line 15 / 8)	3.9913%
17	Transmission Net Plant	(Line 39 - Line 28)	40,557,351
18	Net Plant Allocator	(Line 17 / 14)	4.3435%

Plant Calculations

Plant In Service			
19	Transmission Plant In Service	(Note B) p207.58.g	62,020,004
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	45,625
22	Total Transmission Plant In Service	(Line 19 - 20 + 21)	62,065,629
23	General & Intangible	p205.5.g & p207.99.g	43,515,086
24	Common Plant (Electric Only)	(Notes A & B) p356	0
25	Total General & Common	(Line 23 + 24)	43,515,086
26	Classified Gross Plant Allocation Factor	(Line 5)	3.9092%
27	General & Common Plant Allocated to Transmission	(Line 25 * 26)	1,701,109
28	Plant Held for Future Use (Including Land)	(Note C) p214	0
29	TOTAL Plant In Service	(Line 22 + 27 + 28)	63,766,738
Accumulated Depreciation			
30	Transmission Accumulated Depreciation	(Note B) p219.25.c	22,919,759
31	Accumulated General Depreciation	p219.28.c	7,408,802
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)	7,408,802
36	Classified Gross Plant Allocation Factor	(Line 5)	3.9092%
37	General & Common Allocated to Transmission	(Line 35 * 36)	289,628
38	TOTAL Accumulated Depreciation	(Line 30 + 37)	23,209,387
39	TOTAL Net Property, Plant & Equipment	(Line 29 - 38)	40,557,351

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 (Notes A & I)	p266.h	0
42	Net Plant Allocation Factor		(Line 18)	4.3435%
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	132,537
46	Total Prepayments Allocated to Transmission		(Line 45)	132,537
Materials and Supplies				
47	Undistributed Stores Exp	(Note A)	p227.6c & 16.c	0
48	Classified Gross Plant Allocator		(Line 5)	3.9092%
49	Total Transmission Allocated		(Line 47 * 48)	0
50	Transmission Materials & Supplies		p227.8c	137,076
51	Total Materials & Supplies Allocated to Transmission		(Line 49 + 50)	137,076
Cash Working Capital				
52	Operation & Maintenance Expense		(Line 85)	2,786,426
53	1/8th Rule		x 1/8	12.5%
54	Total Cash Working Capital Allocated to Transmission		(Line 52 * 53)	348,303
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)	617,916
59	Rate Base		(Line 39 + 58)	41,175,267

O&M

Transmission O&M				
60	Transmission O&M	(Note Q)	p321.112.b - p321.88b	41,987,587
61	Less extraordinary property loss		Attachment 5	0
62	Plus amortized extraordinary property loss		Attachment 5	0
63	Less Account 565		p321.96.b	40,698,160
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)	1,289,427
Allocated General & Common Expenses				
67	Common Plant O&M	(Note A)	p356	0
68	Total A&G		p323.197.b	39,755,753
69	Less Property Insurance Account 924		p323.185b	2,261,217
70	Less Regulatory Commission Exp Account 928	(Note E)	p323.189b	1,682,552
71	Less General Advertising Exp Account 930.1		p323.191b	30,494
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)	35,781,490
75	Classified Gross Plant Allocator		(Line 5)	3.9092%
76	General & Common Expenses Allocated to Transmission		(Line 74 * 75)	1,398,784
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	2,261,217
81	General Advertising Exp Account 930.1	(Note F)	p323.191b	0
82	Total		(Line 80 + 81)	2,261,217
83	Net Plant Allocation Factor		(Line 18)	4.3435%
84	A&G Directly Assigned to Transmission		(Line 82 * 83)	98,215
85	Total Transmission O&M		(Line 66 + 76 + 79 + 84)	2,786,426

Depreciation & Amortization Expense

Depreciation Expense				
86	Transmission Depreciation Expense		p336.7b&c	1,859,574
87	General Depreciation		p336.10b&c	1,345,688
88	Intangible Amortization	(Note A)	p336.1d&e	0
89	Total		(Line 87 + 88)	1,345,688
90	Classified Gross Plant Allocator		(Line 5)	3.9092%
91	General Depreciation Allocated to Transmission		(Line 89 * 90)	52,606
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)	3.9092%
96	Common Depreciation - Electric Only Allocated to Transmission		(Line 94 * 95)	0
97	Total Transmission Depreciation & Amortization		(Line 86 + 91 + 96)	1,912,180

Taxes Other than Income

98	Taxes Other than Income		Attachment 2	338,729
99	Total Taxes Other than Income		(Line 98)	338,729

Return / Capitalization Calculations

Long Term Interest				
100	Long Term Interest		p117.62c through 67c	46,269,666
101	Less LTD Interest on Securitization Bonds	(Note P)	Attachment 8	0
102	Long Term Interest		"(Line 100 - line 101)"	46,269,666
103	Preferred Dividends	enter positive	p118.29c	0
Common Stock				
104	Proprietary Capital		p112.16c	339,678,312
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)	339,678,312
Capitalization				
108	Long Term Debt		p112.18c through 22c	689,451,291
109	Less Loss on Reacquired Debt	enter negative	p111.81c	(23,586,618)
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	779,860
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)	666,644,533
114	Preferred Stock		p112.3c	0
115	Common Stock		(Line 107)	339,678,312
116	Total Capitalization		(Sum Lines 113 to 115)	1,006,322,845
117	Debt %	Total Long Term Debt	(Line 113 / 116)	66.2%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0.0%
119	Common %	Common Stock	(Line 115 / 116)	33.8%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0694
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)	0.0460
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0354
126	Total Return (R)		(Sum Lines 123 to 125)	0.0814
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	3,352,535

Composite Income Taxes

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

REVENUE REQUIREMENT

Summary			
139	Net Property, Plant & Equipment		(Line 39)
140	Adjustment to Rate Base		(Line 58)
141	Rate Base		(Line 59)
142	O&M		(Line 85)
143	Depreciation & Amortization		(Line 97)
144	Taxes Other than Income		(Line 99)
145	Investment Return		(Line 127)
146	Income Taxes		(Line 138)
147	Gross Revenue Requirement		(Sum Lines 142 to 146)
			8,389,870
Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities			
148	Transmission Plant In Service		(Line 19)
149	Excluded Transmission Facilities	(Note M)	Attachment 5
150	Included Transmission Facilities		(Line 148 - 149)
151	Inclusion Ratio		(Line 150 / 148)
152	Gross Revenue Requirement		(Line 147)
153	Adjusted Gross Revenue Requirement		(Line 151 * 152)
			2,153,110
Revenue Credits & Interest on Network Credits			
154	Revenue Credits		Attachment 3
155	Interest on Network Credits	(Note N)	PJM Data
156	Net Revenue Requirement		(Line 153 - 154 + 155)
			2,153,110
Net Plant Carrying Charge			
157	Gross Revenue Requirement		(Line 147)
158	Net Transmission Plant		(Line 19 - 30)
159	Net Plant Carrying Charge		(Line 157 / 158)
160	Net Plant Carrying Charge without Depreciation		(Line 157 - 86) / 158
161	Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes		(Line 157 - 86 - 127 - 138) / 158
			8.1272%
Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE			
162	Gross Revenue Requirement Less Return and Taxes		(Line 152 - 145 - 146)
163	Increased Return and Taxes		Attachment 4
164	Net Revenue Requirement per 100 Basis Point increase in ROE		(Line 162 + 163)
165	Net Transmission Plant		(Line 19 - 30)
166	Net Plant Carrying Charge per 100 Basis Point increase in ROE		(Line 164 / 165)
167	Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation		(Line 163 - 86) / 165
			17.0569%
168	Net Revenue Requirement		(Line 156)
169	True-up amount		Attachment 6
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)
			2,399,384
Network Zonal Service Rate			
173	1 CP Peak	(Note L)	PJM Data
174	Rate (\$/MW-Year)		(Line 172 / 173)
175	Network Service Rate (\$/MW/Year)		(Line 174)
			592

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 $p = \frac{\text{FIT}}{\text{FIT} + \text{SIT}}$ "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)	7,746,241	3.9913%	\$ 309,179
2 Personal property		3.9913%	\$ -
3 Federal/State Excise		3.9913%	\$ -
4		3.9913%	\$ -
5		3.9913%	\$ -
6		3.9913%	\$ -
Total Plant Related	7,746,241		309,179
Labor Related		Classified Gross Plant Allocator	
7 Federal FICA & Unemployment	746,054		
8 Virginia Unemployment	9,854		
9			
10			
11			
Total Labor Related	755,908	3.9092%	29,550
Other Included		Gross Plant Allocator	
12 Miscellaneous	0		
13			
14			
Total Other Included	0	3.9913%	0
Total Included			338,729
Currently Excluded			
15 Income	4,690		
16			
17			
18			
19			
20			
21			
22			
23 Total "Other" Taxes (included on p. 263)	8,506,839		
24 Total "Taxes Other Than Income Taxes" - acct 408.10 (p. 114.14)	8,502,149		
25 Difference	4,690		

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

Account 454 - Rent from Electric Property		
1	Rent from Electric Property - Transmission Related (Note 3)	
2	Total Rent Revenues (Sum Lines 1)	-
 Account 456 - Other Electric Revenues (Note 1)		
3	Schedule 1A	
4	Net revenues associated with Network Integration Transmission Service (NITS) for which the load is not included in the divisor (difference between NITS credits from PJM and PJM NITS charges paid by Transmission Owner) (Note 4)	
5	Point to Point Service revenues for which the load is not included in the divisor received by Transmission Owner (Note 4)	
6	PJM Transitional Revenue Neutrality (Note 1)	
7	PJM Transitional Market Expansion (Note 1)	
8	Professional Services (Note 3)	
9	Revenues from Directly Assigned Transmission Facility Charges (Note 2)	
10	Rent or Attachment Fees associated with Transmission Facilities (Note 3)	
11	Gross Revenue Credits (Sum Lines 2-10)	
12	Less line 17g	-
13	Total Revenue Credits	-
 <u>Revenue Adjustment to determine Revenue Credit</u>		
14	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 173 of Appendix A.	
15	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.	
16	Note 3: Ratemaking treatment for the following specified secondary uses of transmission assets: (1) right-of-way leases and leases for space on transmission facilities for telecommunications; (2) transmission tower licenses for wireless antennas; (3) right-of-way property leases for farming, grazing or nurseries; (4) licenses of intellectual property (including a portable oil degasification process and scheduling software); and (5) transmission maintenance and consulting services (including energized circuit maintenance, high-voltage substation maintenance, safety training, transformer oil testing, and circuit breaker testing) to other utilities and large customers (collectively, products). Company will retain 50% of net revenues consistent with Pacific Gas and Electric Company, 90 FERC ¶ 61,314. Note: in order to use lines 17a - 17g, 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).	
17a	Revenues included in lines 1-11 which are subject to 50/50 sharing.	-
17b	Costs associated with revenues in line 17a	-
17c	Net Revenues (17a - 17b)	-
17d	50% Share of Net Revenues (17c / 2)	-
17e	Costs associated with revenues in line 17a 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.	-
17f	Net Revenue Credit (17d + 17e)	-
17g	Line 17f less line 17a	-
18	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 is 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.	
19	Amount offset in line 4 above	
20	Total Account 454 and 456	-
21	Note 4: SECA revenues booked in Account 447.	

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)	3,491,519
B	100 Basis Point increase in ROE			1.00%
Return Calculation				
59	Rate Base		(Line 39 + 58)	41,175,267
Long Term Interest				
100	Long Term Interest		p117.62c through 67c	46,269,666
101	Less LTD Interest on Securitization B _i (Note P)		Attachment 8	-
102	Long Term Interest		"(Line 100 - line 101)"	46,269,666
103	Preferred Dividends	enter positive	p118.29c	-
Common Stock				
104	Proprietary Capital		p112.16c	339,678,312
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)	339,678,312
Capitalization				
108	Long Term Debt		p112.18c through 22c	689,451,291
109	Less Loss on Reacquired Debt	enter negative	p111.81c	(23,586,618)
110	Plus Gain on Reacquired Debt	enter positive	p113.61c	779,860
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)	666,644,533
114	Preferred Stock		p112.3c	-
115	Common Stock		(Line 107)	339,678,312
116	Total Capitalization		(Sum Lines 113 to 115)	1,006,322,845
117	Debt %	Total Long Term Debt	(Line 113 / 116)	66.25%
118	Preferred %	Preferred Stock	(Line 114 / 116)	0.00%
119	Common %	Common Stock	(Line 115 / 116)	33.75%
120	Debt Cost	Total Long Term Debt	(Line 102 / 113)	0.0694
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)	0.0460
124	Weighted Cost of Preferred	Preferred Stock	(Line 118 * 121)	0.0000
125	Weighted Cost of Common	Common Stock	(Line 119 * 122)	0.0388
126	Total Return (R)		(Sum Lines 123 to 125)	0.0848
127	Investment Return = Rate Base * Rate of Return		(Line 59 * 126)	3,491,519
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)	4.3435%
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	30,014,154	0	30,014,154	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	\$ 1,597,628,847	0	0	
Plant In Service							
19	Transmission Plant In Service	(Note B)	p207.58.g	\$ 62,020,004	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	22,919,759	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	\$ 1,682,552	0	1,682,552	
77	Directly Assigned A&G Regulatory Commission Exp Account 928	(Note G)	p323.189b	1,682,552	0	1,682,552	

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	30,494	0	30,494	

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	30,494	0	30,494	

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				47,972,607	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:				1,868,931	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		3.909%				
	Pension Liabilities, if any, in Account 242	-	3.909%				
	Prepayments - P111.57.c.	\$ 3,390,341	3.909%	132,537			
	Prepaid Pensions if not included in Prepayments		3.909%	-			
		3,390,341	3.909%	132,537			

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	(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 Add more lines if necessary

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	4,055	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., 2009)
- 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., 2010)
- 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, 2010 - May 31, 2011)
- 6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2010)
- 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., 2011)
- 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 2 (e.g., June 1, 2011 - May 31, 2012)

- 1 April Year 2 TO populates the formula with Year 1 data from FERC Form 1 data for Year 1 (e.g., 2009)
\$ 1,903,822 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., 2010)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	-	11.5	-	-
Feb	-	10.5	-	-
Mar	33,333	9.5	316,664	26,389
Apr	63,333	8.5	538,331	44,861
May	63,333	7.5	474,998	39,583
Jun	63,333	6.5	411,665	34,305
Jul	33,333	5.5	183,332	15,278
Aug	33,333	4.5	149,999	12,500
Sep	112,083	3.5	392,291	32,691
Oct	112,083	2.5	280,208	23,351
Nov	112,083	1.5	168,125	14,010
Dec	33,750	0.5	16,875	1,406
Total	659,997		2,932,484	244,374
New Transmission Plant Additions for Year 2 (weighted by months in service)				244,374

- 3 April Year 2 TO adds weighted Cap Adds to plant in service in Formula
\$ 244,374 Input to Formula Line 21
- 4 May Year 2 Post results of Step 3 on PJM web site
\$ 1,909,214 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, 2010 - May 31, 2011)
\$ 1,909,214

6 April Year 3 TO populates the formula with Year 2 data from FERC Form 1 for Year 2 (e.g., 2010)
\$ 2,152,072 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., 2011)

	Est. In Service Date	Weighting	Amount	One 12th
Jan	-	11.5	-	-
Feb	-	10.5	-	-
Mar	-	9.5	-	-
Apr	-	8.5	-	-
May	-	7.5	-	-
Jun	-	6.5	-	-
Jul	15,000	5.5	82,500	6,875
Aug	15,000	4.5	67,500	5,625
Sep	20,000	3.5	70,000	5,833
Oct	75,000	2.5	187,500	15,625
Nov	70,000	1.5	105,000	8,750
Dec	70,000	0.5	35,000	2,917
Total	265,000		547,500	45,625

New Transmission Plant Additions for Year 3 (weighted by months in service) 45,625 Input to Formula Line 21

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 **\$ (517,562)** 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	-	9.5	-	-
Apr	-	8.5	-	-
May	71,478	7.5	536,085	44,674
Jun	176,659	6.5	1,148,284	95,690
Jul	-	5.5	-	-
Aug	-	4.5	-	-
Sep	-	3.5	-	-
Oct	-	2.5	-	-
Nov	269,425	1.5	404,138	33,678
Dec	-	0.5	-	-
Total	517,562		2,088,506	174,042

New Transmission Plant Additions for Year 2 (weighted by months in service) **174,042** Input to Formula Line 21

True-Up Workpapers

Adjustment for Eastern Shore Purchase

Total Additions	\$ 530,007	Total Form 1, page 206, line 58, Col. C
Clover/North Anna/CTs	\$ -	Removed as facility excluded from zonal
Rock Springs	\$ 12,445	rate
	\$ 517,562	Remaining balance added in Jan 09 for eastern shore

\$ 2,144,251 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)

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	
2,144,251	-	1,909,214.00 = 235,037

Interest on Amount of Refunds or Surcharges

Interest rate pursuant to 35.19a for 1/12 of Step 9 **0.3767%**

Month	Yr	1/12 of Step 9	Interest rate for March of the Current \	Months	Interest	Surcharge (Refund) Owed
Jun	Year 1	19,586	0.3767%	11.5	848	20,435
Jul	Year 1	19,586	0.3767%	10.5	775	20,361
Aug	Year 1	19,586	0.3767%	9.5	701	20,287
Sep	Year 1	19,586	0.3767%	8.5	627	20,213
Oct	Year 1	19,586	0.3767%	7.5	553	20,140
Nov	Year 1	19,586	0.3767%	6.5	480	20,066
Dec	Year 1	19,586	0.3767%	5.5	406	19,992
Jan	Year 2	19,586	0.3767%	4.5	332	19,918
Feb	Year 2	19,586	0.3767%	3.5	258	19,845
Mar	Year 2	19,586	0.3767%	2.5	184	19,771
Apr	Year 2	19,586	0.3767%	1.5	111	19,697
May	Year 2	19,586	0.3767%	0.5	37	19,623
Total		235,037				240,348

		Balance	Interest rate from above	Amortization over Rate Year	Balance
Jun	Year 2	240,348	0.3767%	20,523	220,731
Jul	Year 2	220,731	0.3767%	20,523	201,040
Aug	Year 2	201,040	0.3767%	20,523	181,274
Sep	Year 2	181,274	0.3767%	20,523	161,434
Oct	Year 2	161,434	0.3767%	20,523	141,519
Nov	Year 2	141,519	0.3767%	20,523	121,530
Dec	Year 2	121,530	0.3767%	20,523	101,465
Jan	Year 3	101,465	0.3767%	20,523	81,324
Feb	Year 3	81,324	0.3767%	20,523	61,107
Mar	Year 3	61,107	0.3767%	20,523	40,815
Apr	Year 3	40,815	0.3767%	20,523	20,446
May	Year 3	20,446	0.3767%	20,523	0
Total with interest				246,274	

The difference between the Reconciliation in Step 8 and the forecast in Prior Year	246,274
Rev Req based on Year 2 data with estimated Cap Adds for Year 3	\$ 2,153,110
Revenue Requirement for Year 3	2,399,384

10 May Year 3 Post results of Step 9 on PJM web site
 \$ 2,399,384 Post results of Step 3 on PJM web site

11 June Year 3 Results of Step 9 go into effect for the Rate Year 2 (e.g., June 1, 2011 - May 31, 2012)
 \$ 2,399,384

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 2010 Formulary Transmission Expenses & Adjustments

Line No. (a)	Description (b)	2010 Form 1 Reference (c)	2010 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	\$ 194,605	\$	\$ 194,605	
3	(561.4) Scheduling, Sys Control and Dispatch	Pg. 321.88.b	\$ 3,028,620	\$ (3,028,620)	\$ -	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	\$ 79,640	\$	\$ 79,640	
6	(562) Station Expenses	Pg. 321.93.b	\$ 1,257,306	\$ (1,113,316)	\$ 143,990	Note 1
7	(563) Overhead Lines Expenses	Pg. 321.94.b	\$ 871,178	\$	\$ 871,178	
8	(564) Underground Lines Expenses	Pg. 321.95.b	\$ 14	\$	\$ 14	
9	(565) Transmission of Electricity by Others	Pg. 321.96.b	\$ 40,698,160	\$ (40,698,160)	\$ -	Removed per formula
10	Net Transmission O&M in Template	template ln. 66	\$ 46,129,523	\$ (44,840,096)	\$ 1,289,427	

Notes: 1. Excluded \$1,113,316 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>	12/31/2010 <u>Asset Balance</u>
(a)	(b)	(c)
1	Total Transmission Assets (FF1 p. 207.58.g)	\$ 62,020,004
	<u>Excluded Facilities:</u>	
2	Clover	\$ 12,039,240
3	North Anna	\$ 4,221,489
4	CTs - Louisa/Marsh Run/Rock Springs	<u>\$ 29,842,947</u>
5	Total Excluded Facilities	\$ 46,103,676
	<u>Included Facilities:</u>	
6	ODEC- Static Var	\$ 1,868,931
7	Eastern Shore Facilities	<u>\$ 14,047,397</u>
8	Total Included Facilities (template line 150)	\$ 15,916,328

**Old Dominion Electric Cooperative
 Capital Transmission Additions
 2011 Projected**

2011 Projected	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total 2011
<u>Transmission</u>													
Metering - Eastern Shore DP's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000	\$ 100,000
3-69KV Oil Breaker Replacements	-	-	-	-	-	-	-	-	-	55,000	55,000	55,000	165,000
Total Transmission	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ 20,000	\$ 75,000	\$ 70,000	\$ 70,000	\$ 265,000