

Karen Huddle
Manager of Treasury Services

Old Dominion
Electric Cooperative



4201 Dominion Boulevard
Glen Allen, Virginia 23060

☎ T 804-968-7151

📠 F 804-968-4022

🌐 khuddle@odec.com



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United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555-0001

License Nos. NPF-4,7

OLD DOMINION ELECTRIC COOPERATIVE
NORTH ANNA POWER STATION UNITS 1 AND 2
DECOMMISSIONING FUNDING STATUS REPORT

Pursuant to 10 CFR 50.75(f)(1), Old Dominion Electric Cooperative (ODEC), is providing this report on the status of decommissioning funding for the North Anna Power Station (NAPS).

Attachment 1 provides the following information for NAPS:

NRC Minimum Financial Assurance Amount as of 12/31/2016

The following information is provided in support and as part of this filing:

1. Preliminary December 2016 Bureau of Labor Statistics indices values are used because the final December 2016 indices values were not available at the time of this filing.
2. The escalation of decommissioning costs is held at 0% based on assuming 2% Real Rate of Return.
3. The growth rate on Trust Funds is held at the allowed 2% Real Rate of Return over the escalation rate.
4. No rate regulatory authority citation for NAPS is referenced because the 2% Real Rate of Return allowed by 50.75(e)(1)(ii) is used in the calculations.
5. The current annual funding amounts shown for NAPS (Attachment 1) reflect only those fund amounts that are dedicated to radiological decommissioning.
6. Trust Fund amounts shown for each of the units in this report are market value and after-tax on realized gains and losses. The Trust Fund balances have not been adjusted for unrealized gain or loss positions not currently taxable.

*ADD1
NRR*

7. Since the previous biennial submittal on March 30, 2015 (ML15099A396) for NAPS, there have been no material changes to trust agreements established for nuclear decommissioning for the NAPS units.

If you have any questions concerning this filing, please contact me at (804) 968-4012.

Sincerely,



Todd T. Brickhouse
Vice President – Treasurer
Old Dominion Electric Cooperative

Attachment

Commitments made in this letter: None

cc: U. S. Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Avenue, NE
Suite 1200
Atlanta, Georgia 30303-1257

Gregory Croon
NRC Senior Resident Inspector
North Anna Power Station
1024 Haley Drive
Mineral, VA 23117

Dr. V. Sreenivas
NRC Project Manager
U. S. Nuclear Regulatory Commission, Mail Stop 08 G-9A
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Ms. K. Cotton
NRC Project Manager
U. S. Nuclear Regulatory Commission, Mail Stop 08 G-9A
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

David A. Heacock
President and Chief Nuclear Officer
Virginia Electric and Power Company
120 Tredegar Street
Richmond, VA 23219

Frederick D. Gerloff
Decommissioning Consultant
Generation Finance
Dominion Resources Inc.
120 Tredegar Street
Richmond, Virginia 23219

Attachment 1

OLD DOMINION ELECTRIC COOPERATIVE
NORTH ANNA POWER STATION UNITS 1 AND 2
2016 NUCLEAR DECOMMISSIONING FINANCIAL ASSURANCE
In millions of dollars, except percentages and years

Method for Providing Financial Assurance	North Anna ¹ Unit 1	North Anna ¹ Unit 2	Total For All Units
	NPF-4	NPF-7	
	External Sinking Fund	External Sinking Fund	
NRC Minimum Financial Assurance Amounts as of 12/31/2016:	\$ 49.95	\$ 49.95	\$99.91
Funds in the External Trust as of 12/31/2016:	\$ 78.56	\$ 80.70	\$159.25
Allocated Radiological Funds Held in External Trust as of 12/31/2016 ² :	\$ 54.20	\$ 55.67	\$109.87
Allocated Radiological Funds Held in External Trust as of 12/31/16 minus NRC Minimum Amounts as of 12/31/16 ^{2,3} :	\$ 4.24	\$ 5.72	
Projected Annual Escalation Factor:	0.000%	0.000%	
Annual Trust Funds Earnings Rate (After Taxes and Fees - assumes 2% Real Rate of Return):	2.000%	2.000%	
Year Operating License Expires / Start of Decommissioning (Reflects License Renewals):	2038	2040	
NRC Minimum Financial Assurance Amount 3.5 years after start of Decommissioning:	\$ 49.95	\$ 49.95	\$99.91
Estimated Radiological Funds in External Trust 3.5 years after start of Decommissioning ² :	\$ 88.48	\$ 95.29	\$183.77
Allocated Radiological Funds in excess or (underfunded) to NRC Minimum 3.5 years after start of Decommissioning ^{2,3,4} :	\$ 38.53	\$ 45.34	\$83.86
Estimated Radiological Funds in excess or (underfunded) to NRC Minimum Amount Discounted using Annual Trust Funds Earnings Rate to 12/31/2016 \$ ^{4,5} :	\$25.29	\$28.39	\$53.68

¹ The North Anna Power Station is jointly owned by Virginia Electric and Power Company (88.4%) and Old Dominion Electric Cooperative (11.6%). However, Old Dominion Electric Cooperative is responsible for 10.74% of the decommissioning obligation. The amounts stated in the above tables reflect only that portion of the decommissioning obligation attributable to Old Dominion Electric Cooperative.

² The Allocated Radiological Funds amounts shown exclude amounts designated for the future decommissioning of the independent spent fuel storage installation, spent fuel management, and non-radiological decommissioning. The amount of decommissioning funds is the after-tax amount of funds accumulated through December 31, 2016.

³ Negative amounts (if any) indicate that the Trust fund values are less than the values of the NRC Minimum Amounts for the period indicated.

⁴ The future value calculation reflects a 2% real rate of return applied from January 1, 2017 to 3.5 years after start of decommissioning assuming a 0% escalation rate.

⁵ Adjustment Factors used in calculating NRC Minimum Values are based on preliminary December 2016 BLS Producer Price Indices, as final December 2016 indices were not available at the time of the calculation.

ODEC serves the power requirements of its 11 member distribution cooperatives pursuant to long-term wholesale power contracts. ODEC's wholesale power contracts with each of its member distribution cooperatives are substantially identical, while the schedules and exhibits to each contract are specific to each member. There have been no modifications to the current method of providing financial assurance since the report submitted on March 30, 2015 (ML15099A396).