

REGULATORY DOCKET FILE COPY  
VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

September 1, 1978

W. L. PROFFITT  
SENIOR VICE PRESIDENT

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. O. D. Parr, Chief  
Light Water Reactors Branch No. 3  
Division of Project Management  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Serial No. 297/051978  
LQA/RMN:esh

Docket Nos. 50-280/50-281  
50-338/50-339  
50-404/50-405

Dear Mr. Denton:

In a letter dated May 19, 1978, Mr. A. L. Toalston, a member of your staff asked for information concerning additional ownership participants in Surry Power Station and North Anna Power Station. Vepco signed an agreement on April 14, 1978, which is subject to NRC and other regulatory approvals, to sell an undivided interest in its existing and presently planned nuclear generating capacity to Old Dominion Electric Cooperative and North Carolina Electric Membership Corporation. Old Dominion's interest will be between 20 MWe and 80 MWe of each unit. North Carolina's interest will be less than 20 MWe per unit. Therefore, according to Mr. Toalston's letter, we need only answer question No. 9 in Appendix L of 10CFR50 for Old Dominion and no information is required for North Carolina Electric.

Old Dominion Electric Cooperative is organized under the laws of the Commonwealth of Virginia for the purpose of providing electric energy to its member-cooperatives. At the present time Old Dominion does not own facilities or supply power to its member-cooperatives. The purchase of an interest in generating facilities will be financed with loans guaranteed by the Rural Electrification Administration and from the National Rural Utilities Cooperative Finance Corporation.

The nuclear generating capacity purchased will not meet the full needs of Old Dominion's member-cooperatives. Old Dominion will purchase additional power from Vepco and other sources to meet the requirements of its member-cooperatives. Prior to approval of the REA loan, the member-cooperatives will be required to sign a 45-year, all requirements wholesale power contract with Old Dominion.

Old Dominion's membership consists of the sixteen distribution cooperatives listed in Appendix A. Thirteen of the cooperatives receive their principal power requirements from Vepco and three receive their power from Delmarva Power and Light Company. Small amounts of power are received from the Southeastern Power Administration, the Potomac Edison Company and through internal generation by two of the cooperatives. The distribution cooperatives are not directly interconnected. Upon completion of the acquisition of generating facilities, Old Dominion will become the power supplier

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for its member-cooperatives, acquiring power through owned generation and purchases and reselling the power to its members.

A number of the member-cooperatives provide retail service in areas adjacent to services areas served by non-affiliated utility systems with peak loads smaller than Old Dominion's peak or the distribution cooperative's peak load. Appendix B lists those systems, the adjacent cooperative and the available information about each of the systems.

Since Old Dominion does not own, or plan to own, transmission facilities, one line diagrams are not submitted. Please let us know if additional information is needed.

Very truly yours,

  
W. L. Proffitt

Attachments

cc: Mr. E. M. Jordan, Executive Vice President  
Old Dominion Electric Cooperative (2 copies)

OLD DOMINION MEMBER-COOPERATIVES  
1977 MAXIMUM MONTHLY PEAK DEMANDS

NOTE: The demand shown for each cooperative is the highest monthly non-coincident peak demand in 1977 for each cooperative and the month in which the demand occurred.

A & N Electric Cooperative  
P.O. Box 288  
Parksley, Virginia 23421  
21,375 kw (Jan.)

BARC Electric Cooperative  
Millboro, Virginia 24460  
20,092 kw (Jan.)

Central Virginia Electric Cooperative  
Lovingston, Virginia 22949  
60,846 kw (Jan.)

Choptank Electric Cooperative  
P.O. Box 430  
Denton, Maryland 21629  
61,734 kw (Jan.)

Community Electric Cooperative  
P.O. Box 267  
Windsor, Virginia 23487  
19,064 kw (Jan.)

Craig-Botetourt Electric Cooperative  
422 Salem Avenue  
New Castle, Virginia 24127  
9,351 kw (Jan.)

Delaware Electric Cooperative  
RD 1, Box 600  
Greenwood, Delaware 19950  
72,284 kw (Jan.)

Mecklenburg Electric Cooperative  
Chase City, Virginia 23924  
50,241 kw (Jan.)

Northern Neck Electric Cooperative  
Box 288  
Warsaw, Virginia 22572  
24,113 kw (Jan.)

Northern Piedmont Electric Coop.  
P.O. Box 392  
Culpeper, Virginia 22701  
40,958 kw (Jan.)

Prince George Electric Cooperative  
P.O. Box 168  
Waverly, Virginia 23890  
18,365 kw (Jan.)

Prince William Electric Cooperative  
P.O. Box 1750  
Manassas, Virginia 22110  
128,453 kw (July)

Shenandoah Valley Electric Coop.  
Box 8  
Dayton, Virginia 22821  
58,952 kw (Jan.)

Southside Electric Cooperative  
Crewe, Virginia 23930  
84,519 kw (Jan.)

Tri-County Electric Cooperative  
P.O. Box 1320  
Leesburg, Virginia 22075  
15,955 kw (Jan.)

Virginia Electric Cooperative  
Box 308  
Bowling Green, Virginia 22427  
98,315 kw (Jan.)

Non-affiliated Utility Systems Providing  
Service in Areas Adjacent to Old Dominion  
Member-Cooperatives With Peak Loads  
Smaller than the Member-Cooperatives and/or  
Old Dominion

Listed first is the member-cooperative followed by the information for adjacent systems:

1. Choptank Electric Cooperative

Town of Easton  
Easton, Maryland 21601

- a. 1977 load 22,300 KW
- b. peak occurred in January
- c. Growth 8%
- d. Net generation 44,600 KW
- e. 6.25 MW largest unit (diesel)
- f. 20% reserve

St. Michaels Utilities Commission  
St. Michaels, Maryland 21663

- a. 1977 load 7757 KW
- b. peak occurred in January
- c. NA
- d. No generation
- e. NA
- f. NA

Town of Centreville  
Centreville, Maryland 21617

- a. 1977 load 6950 KW
- b. peak occurred in July
- c. NA
- d. No generation
- e. NA
- f. NA

Town of Berlin  
Berlin, Maryland 21811

- a. 1977 load 3607 KW
- b. peak occurred in January
- c. NA
- d. Small amount of generation (diesel)
- e. NA
- f. NA

2. Community Electric Cooperative

City of Franklin  
Municipal Building  
207 West 2nd Avenue  
Franklin, Virginia 23851

- a. 1977 peak load - 17,890 kw
- b. Peak occurred in January
- c. Growth - 7.4%
- d. Generation - none
- e. Largest Unit - NA
- f. Reserve - NA

Town of Wakefield  
Wakefield, Virginia 23888

- a. 1977 peak load - 1608 kw
- b. Month of peak - August
- c. Growth - 4.3%
- d. Generation - none
- e. Largest unit - NA
- f. Reserve - NA

3. Delaware Electric Cooperative

Smyrna-Clayton Electric System  
Town of Smyrna  
Smyrna, Delaware 19977

- a. 1977 peak load - 7,500 kw
- b. not available
- c. " "
- d. " "
- e. " "
- f. " "

City of Milford  
Milford, Delaware 19963

- a. 1977 peak load - 13,500 kw
- b. not available
- c. " "
- d. " "
- e. " "
- f. " "

(Delaware Electric Cooperative continued)

Town of Lewes  
Lewes, Delaware 19958

- a. 1977 peak load - 6,600 kw
- b. not available
- c. " "
- d. " "
- e. " "
- f. " "

City of Seaford  
Seaford, Delaware 19973

- a. 1977 peak load - 9,300 kw
- b. not available
- c. " "
- d. " "
- e. " "
- f. " "

Lincoln Ellendale Electric Company  
Ellendale, Delaware 19941

- a. 1977 peak load - 2,300 kw
- b. not available
- c. " "
- d. " "
- e. " "
- f. " "

4. Mecklenburg Electric Cooperative

City of Danville  
P.O. Drawer 3308  
Danville, Virginia 24541

- a. 1977 peak load - 128,400 kw
- b. Month of Peak - July
- c. Growth - 8.4%
- d. Generation Capacity - 39,125 kw
- e. Largest thermal unit - 12,500 kw
- f. Reserve - NA

5. Northern Piedmont Electric Cooperative

Town of Culpeper  
Culpeper Office Building  
Culpeper, Virginia 22701

- a. Peak load - less than 700 kw

(other data unavailable)

6. Prince George Electric Cooperative

Town of Wakefield  
Wakefield, Virginia 23888

(data given for Community Electric Cooperative)

7. Prince William Electric Cooperative

City of Manassas  
9025 Center Street  
Manassas, Virginia 22110

- a. 1977 peak load - 17,142 kw
- b. Month of peak - July
- c. Growth - not available
- d. Generation - none
- e. Largest unit - NA
- f. Reserve - NA

8. Shenandoah Valley Electric Cooperative

Harrisonburg Electric Commission  
89 West Bruce Street  
Harrisonburg, Virginia 22801

- a. 1977 peak load - 41,700 kw
- b. Month of peak - July
- c. Load growth - 5.7%
- d. Generation - none
- e. Largest unit - NA
- f. Reserve - NA

(Shenandoah Valley Electric Cooperative continued)

Town of Elkton  
173 West Spotswood  
Elkton, Virginia 22827

- a. 1977 peak load - 3,150 kw
- b. Month of peak - January
- c. Growth - 6.8%
- d. Generation - None
- e. Largest unit - NA
- f. Reserve - NA

9. Southside Electric Cooperative

City of Bedford  
P.O. Box 807  
Bedford, Virginia 24523

- a. Peak demand - 30,690 kw
- b. Month of peak - January 1978
- c. Growth -  $7\frac{1}{2}$  to 8%
- d. Generation - 1000 kw (hydro)
- e. Largest thermal unit - none
- f. Reserve - NA

Town of Blackstone  
Municipal Building  
100 West Elm Street  
Blackstone, Virginia 23824

- a. 1977 peak load - 6,722 kw
- b. Month of peak - August
- c. Growth - 8.5%
- d. Generation - None
- e. Largest unit - NA
- f. Reserve - NA