

Vogtle Electric Generating Plant Unit 1 and Unit 2

Application for Licenses

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PDR ADOCK 03000424
A PDR

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of
Docket Nos. 50-424 and 50-425
Vogtle Electric Generating Plant Units 1 and 2

Application for Operating License

1. Applicants

Georgia Power Company
Oglethorpe Power Corporation (An Electric Membership Generation
and Transmission Corporation)
Municipal Electric Authority of Georgia
City of Dalton, Georgia

The Vogtle Electric Generating Plant - Units 1 and 2 (formerly named the Alvin W. Vogtle Nuclear Plant) is owned by Georgia Power Company, Oglethorpe Power Corporation (Oglethorpe), Municipal Electric Authority of Georgia (MEAG) and the City of Dalton, Georgia (Dalton), which have a fifty and seven-tenths (50.7), thirty (30.0), seventeen and seven-tenths (17.7) and one and six-tenths (1.6) percent ownership, respectively. Oglethorpe, MEAG and Dalton have appointed Georgia Power Company their agent to act on their behalf in the planning, design, licensing, construction, acquisition, completion, maintenance, operation and decommissioning of these units.

2. Addresses

Georgia Power Company
P. O. Box 4545
Atlanta, Georgia 30302

Oglethorpe Power Corporation
2888 Woodcock Boulevard
Atlanta, Georgia 30341

Municipal Electric Authority of Georgia
1470 Riveredge Parkway
Atlanta, Georgia 30328

The City of Dalton
Water, Light and Sinking Fund Commission
P. O. Box 869
Dalton, Georgia 30820

3. Description of Business and Organization

Georgia Power Company

Georgia Power Company, a public utility incorporated under the laws of the State of Georgia, is engaged in the generation and transmission of electricity and the distribution and sale of such electricity within the State of Georgia and the sale of wholesale electricity outside the State of Georgia. Georgia Power Company serves more than 1,250,000 customers in a service area of 57,000 square miles, constituting 97% of the State of Georgia's land area, with a rated capability of 14,600 megawatts*. The most recent peak load of 11,514 megawatts* occurred on July 16, 1981. Georgia Power Company provides retail electric service in over 600 communities, as well as in rural areas, and wholesale electric service to MEAG on behalf of MEAG's 47 participants, to Oglethorpe on behalf of its 39 rural electric cooperatives, to Dalton, and is engaged in the production and sale of steam for heating purposes in the main business district of Atlanta.

The Southern Company, a Delaware corporation registered under the Public Utility Holding Company Act of 1935 and having its principal place of business at 64 Perimeter Center East, Atlanta, Georgia, owns all the outstanding common stocks of Georgia Power Company, Alabama Power Company, Gulf Power Company and Mississippi Power Company. The Southern Company system also includes Southern Company Services, Inc., a wholly-owned system service organization, Southern Electric Generating Company, a generating company owned jointly by Georgia Power Company and Alabama Power Company, and Southern Electric International, a consulting firm. The Southern Company system services most of the states of Georgia and Alabama and significant areas of Mississippi and Florida, with a rated capability of 26,636 megawatts*. The most recent system peak load of 21,099 megawatts* occurred on July 16, 1980.

Neither Georgia Power Company nor the Southern Company is owned, controlled or dominated by an alien, or a foreign corporation, or a foreign government. Georgia Power Company makes this application in its own behalf and as the agent of Oglethorpe, MEAG and Dalton.

The names and business addresses of Georgia Power Company's directors and principal officers, all of whom are citizens of the United States, are listed in Table 1.

Oglethorpe Power Corporation

Oglethorpe, an Electric Membership Corporation duly organized under the Georgia Electric Membership Corporation Act (Official Code of Georgia Annotated, Title 46, Chapter 3, Article 4) and other applicable laws of the State of Georgia, is empowered to engage in the generation, transmission and distribution of electric power to its thirty-nine member Electric Membership Corporations in the State of Georgia. The member corporations are listed in Table 2. Oglethorpe is the sole and exclusive power supplier to each member Electric Membership Corporation, with the exception of power from the Southeastern Power Administration (SEPA).

* Includes capacity and peak load of Oglethorpe, MEAG and Dalton.

Oglethorpe is not owned, controlled or dominated by an alien, or a foreign corporation, or foreign government.

The names and business addresses of Oglethorpe's directors and principal officers, all of whom are citizens of the United States, are listed in Table 3.

Municipal Electric Authority of Georgia (MEAG)

MEAG is a public body corporate and politic and an instrumentality of the State of Georgia created by the General Assembly of the State of Georgia in its 1975 Session (Official Code of Georgia Annotated, Title 46, Chapter 3, Article 3). MEAG was created for the purpose of acquiring, constructing, operating and maintaining electric generation and transmission facilities or causing such facilities to be constructed, operated and maintained, and to take all other necessary or desirable action, in order to provide or make available an adequate, dependable and economic supply of electric power and related services for such of the political subdivisions of the State of Georgia, which, on March 18, 1975, owned and operated electrical distribution systems that may desire to receive such power and services. MEAG has been granted all of the powers necessary or convenient to carry out such purposes. MEAG has entered into contracts with forty-seven (47) political subdivisions, listed in Table 4, under which MEAG is to be sole and exclusive bulk power supplier for each such political subdivision, except for power to which such political subdivisions are entitled from federally owned projects and for acquisition of alternative sources of power supply upon specified conditions. In any event, each such political subdivision is obligated to take or pay for its entitlement share of power from any owned project, such as Plant Vogtle. The terms of said contracts are for the life of the project or so long as any of MEAG's bonds issued to finance the project are outstanding, but not exceeding fifty years.

MEAG is not owned, controlled or dominated by an alien, or a foreign corporation, or a foreign government.

The names and business addresses of MEAG's governing body members and principal officers, all of whom are citizens of the United States, are listed in Table 5.

City of Dalton

Dalton is a duly incorporated municipality in the State of Georgia. Dalton, acting by and through its Board of Water, Light and Sinking Fund Commissioners owns electric generation capacity transmission capacity and a distribution system. Dalton is not a participant in MEAG. Dalton presently distributes electricity to more than 8,000 residential, commercial and industrial customers. Dalton's principal office is located in Dalton, Georgia.

Dalton is not owned, controlled or dominated by an alien, a foreign corporation, or a foreign government.

The names and business addresses of Dalton's governing body (councilmen) and principal officers, all of whom are citizens of the United States, are listed in Table 6.

4. Class and Period of License

Application is made for a Class 103 operating license for a period of forty (40) years from the date such operating license is granted for each unit of the Vogtle Electric Generating Plant - Units 1 and 2 described in Item 5.

5. Description of Facility and Use to which Facility Will Be Put

The Vogtle Electric Generating Plant will consist of two (2) nuclear fueled generating units. Each unit will utilize a pressurized water reactor having a capability of 3,411 MW thermal to drive a turbine/generator set with a nameplate rating of 1,160 MW. The safety evaluation was based on a reactor output of 3,579 MW thermal.

The plant is located in Burke County, Georgia, 26 air miles south southeast of Augusta and 15 air miles east northeast of Waynesboro. It is located on the Savannah River across from Barnwell County, South Carolina.

Details concerning the plant, the site and the environmental impact are contained in the Final Safety Analysis Report (FSAR) and the Environmental Report (ER) which constitute part of this application. The ER and the required Emergency Response Plan will be filed by September 1, 1983.

6. Completion Dates

The earliest and latest completion dates are estimated to be March 1986 and March 1988, respectively, for Unit 1; and September 1987 and September 1989, respectively, for Unit 2. Fuel loading is scheduled for September 1986, for Unit 1 and March 1, 1988, for Unit 2.

7. Regulatory Agencies

The names and addresses of Regulatory Agencies having jurisdiction over the rates and services incident to the generation and distribution of electric energy under the requested operating license are presented in Table 7.

8. Trade and News Publications

Publications which circulate in the area which may reasonably be expected to be affected by the generation and distribution of electric energy under the requested operating license and are considered appropriate to give reasonable notice of the application to those municipalities, private utilities, public bodies and cooperatives which might have a potential interest in the facility are presented in Table 8.

9. Security Agreement

The application does not contain any Restricted Data or other

defense information. Georgia Power Company agrees that it will not permit any individual to have access to Restricted Data until the Civil Service Commission shall have made an investigation and a report to the Nuclear Regulatory Commission on the character, associations and loyalty of such individual, and the Nuclear Regulatory Commission shall have determined that permitting such person to have access to Restricted Data will not endanger the common defense and security.

D. O. Foster states that he is Vice President of Georgia Power Company and is authorized to execute this oath on behalf of Georgia Power Company, and that to the best of his knowledge and belief, the facts set forth in this application are true.

GEORGIA POWER COMPANY

By: *D. O. Foster*
D. O. Foster
Vice President and
General Manager
Vogtle Project

SWORN AND SUBSCRIBED BEFORE ME, THIS
22nd DAY OF June, 1983

Joe M. Bacchus
Notary Public, Georgia State at Large

Notary Public, Georgia, State at Large
My Commission Expires March 21, 1985

TABLE 1

GEORGIA POWER COMPANY

DIRECTORS AND OFFICERS

DIRECTORS

Walter G. Autrey	Valdosta, Ga.
H. G. Baker, Jr.	Atlanta, Ga.
Bennett A. Brown	Atlanta, Ga.
George W. Edwards, Jr.	Atlanta, Ga.
William A. Fickling, Jr.	Macon, Ga.
Langdon S. Flowers	Thomasville, Ga.
J. A. Gantt	Atlanta, Ga.
L. G. Hardman, III	Commerce, Ga.
Warren Y. Jobe	Atlanta, Ga.
R. J. Kelly	Atlanta, Ga.
Harold C. McKenzie, Jr.	Atlanta, Ga.
James H. Miller, Jr.	Atlanta, Ga.
William S. Morris, III	Augusta, Ga.
William A. Parker, Jr.	Atlanta, Ga.
H. G. Pattillo	Decatur, Ga.
Robert W. Scherer	Atlanta, Ga.
Dr. Gloria M. Shatto	Rome, Ga.
Robert Strickland	Atlanta, Ga.
William B. Turner	Columbus, GA.
Alvin W. Vogtle, Jr.	Atlanta, Ga.
Carl Ware	Atlanta, Ga.
Thomas R. Williams	Atlanta, Ga.

OFFICERS

Robert W. Scherer Chairman of the Board and Chief Executive Officer	Atlanta, Ga.
James H. Miller, Jr. President	Atlanta, Ga.
H. Grady Baker, Jr. Executive Vice-President Marketing & Customer Service	Atlanta, Ga.
George W. Edwards, Jr. Executive Vice-President External Affairs	Atlanta, Ga.
Warren Y. Jobe Executive Vice-President Finance	Atlanta, Ga.

TABLE 1
GEORGIA POWER COMPANY
PAGE 2

OFFICERS (Cont'd)

Richard J. Kelly Executive Vice-President Power Supply	Atlanta, Ga.
R. E. Conway Senior Vice-President Power Supply & Engineering Svcs., Generating Plant Construction & Project Management	Atlanta, Ga.
A. W. Dahlberg Senior Vice-President Bulk Power Resources	Atlanta, Ga.
J. A. Gantt Senior Vice-President Division Operations	Atlanta, Ga.
George F. Head Senior Vice-President Power Generation	Atlanta, Ga.
R. P. Head, Jr. Senior Vice-President Administrative Services	Atlanta, Ga.
Gerald T. Horton Senior Vice-President Public Affairs	Atlanta, Ga.
Romney E. Scott Senior Vice-President Economic Services	Atlanta, Ga.
W. L. Westbrook Senior Vice-President Accounting and Finance and Secretary	Atlanta, Ga.
J. T. Beckham, Jr. Vice-President and General Manager Nuclear Generation	Atlanta, Ga.
Thomas G. Boren Vice-President Corporate Performance	Atlanta, Ga.
Jack C. Causey Vice-President Fossil and Hydro	Atlanta, Ga.

OFFICERS (Cont'd)

Wayne T. Dahlke Vice-President and General Manager Scherer Project	Atlanta, Ga.
James K. Davis Vice-President Corporate Relations	Atlanta, Ga.
D. E. Dutton Vice-President Generating Plant Projects - Vogtle, Scherer and Hydroelectric Projects	Atlanta, Ga.
Donald O. Foster Vice-President and General Manager Vogtle Project	Atlanta, Ga.
J. M. Griffith Vice-President Governmental Affairs	Atlanta, Ga.
C. C. Jones Vice-President Procurement and Materials	Atlanta, Ga.
J. Wyman Lamb Vice-President Risk Management	Atlanta, Ga.
D. N. MacLemore Vice-President and Chief Engineer	Atlanta, Ga.
Wade S. Manning Vice-President Land	Atlanta, Ga.
C. B. McManus Vice-President Power Delivery	Atlanta, Ga.
F. G. Mitchell, Jr. Vice-President Generating Plant Construction Technology and Asst. to Sr. Vice-President	Atlanta, Ga.

TABLE 1
GEORGIA POWER COMPANY
PAGE 4

OFFICERS (Cont'd)

J. A. Parramore, Jr. Vice-President Customer Accounting and Accounting Services	Atlanta, Ga.
R. H. Pinson Vice-President Generating Plant Construction	Atlanta, Ga.
John H. Roberts Vice-President Retail Marketing	Atlanta, Ga.
J. W. Talley, Jr. Vice-President Area Development	Atlanta, Ga.
Alvin W. Vogtle, Jr. Vice-President	Atlanta, Ga.
Jack K. Widener, Jr. Vice-President Regulatory and Consumer Affairs	Atlanta, Ga.
Ben H. Williams Vice-President Athens Division	Athens, Ga.
E. A. Yates, Jr. Vice-President Atlanta Division	Atlanta, Ga.
B. W. Rainwater Vice-President Augusta Division	Augusta, Ga.
Andrew B. Speed Vice-President Columbus Division	Columbus, Ga.
John C. Hemby, Jr. Vice-President Macon Division	Macon, Ga.
T. J. Allen, Jr. Vice-President Rome Division	Rome, Ga.
J. J. Cordova Vice-President Valdosta Division	Valdosta, Ga.

OFFICERS (Cont'd)

Charles R. Minors Assistant Vice-President Consumer Affairs	Atlanta, Ga.
C. B. Harreld Comptroller	Atlanta, Ga.
Richard J. Pershing Treasurer	Atlanta, Ga.
W. B. Poss Assistant Comptroller Accounting Services	Atlanta, Ga.
Charles O. Rawlins Assistant Treasurer	Atlanta, Ga.
Guerry P. Strickland Assistant Secretary	Atlanta, Ga.
Robert C. Ford Assistant Secretary and Assistant Treasurer	Atlanta, Ga.
E. Ray Perry Assistant Secretary and Assistant Treasurer	Atlanta, Ga.

TABLE 2

OGLETHORPE POWER CORPORATION: MEMBER CORPORATIONS

Altamaha Electric Membership Corporation
Amicalola Electric Membership Corporation
Canoochee Electric Membership Corporation
Carroll Electric Membership Corporation
Central Georgia Electric Membership Corporation
Coastal Electric Membership Corporation
Cobb Electric Membership Corporation
Colquitt Electric Membership Corporation
Coweta-Fayette Electric Membership Corporation
Douglas County Electric Membership Corporation
Excelsior Electric Membership Corporation
Flint Electric Membership Corporation
Grady County Electric Membership Corporation
Habersham Electric Membership Corporation
Hart County Electric Membership Corporation
Irwin County Electric Membership Corporation
Jackson Electric Membership Corporation
Jefferson Electric Membership Corporation
Lamar Electric Membership Corporation
Little Ocmulgee Electric Membership Corporation
Middle Georgia Electric Membership Corporation
Mitchell Electric Membership Corporation
Ocmulgee Electric Membership Corporation
Oconee Electric Membership Corporation
Okefenoke Rural Electric Membership Corporation
Pataula Electric Membership Corporation
Planters Electric Membership Corporation
Rayle Electric Membership Corporation
Satilla Rural Electric Membership Corporation
Sawnee Electric Membership Corporation
Slash Pine Electric Membership Corporation
Snapping Shoals Electric Membership Corporation
Sumter Electric Membership Corporation
Three Notch Electric Membership Corporation
Tri-County Electric Membership Corporation
Troup County Electric Membership Corporation
Upson County Electric Membership Corporation
Walton Electric Membership Corporation
Washington Electric Membership Corporation

TABLE 3

OGLETHORPE POWER CORPORATION

DIRECTORS AND OFFICERS

DIRECTORS

Jmon Warnock	Lyons, Ga.
Ray Watson	Jasper, Ga.
George C. Martin	Reidsville, Ga.
J. G. McCalmon	Carrollton, Ga.
T. F. Freeman	Jackson, Ga.
James E. Estes	Midway, Ga.
Roy L. Sanders	Marietta, Ga.
L. M. Futch	Moultrie, Ga.
W. F. Farr	Newnan, Ga.
J. C. Earwood	Douglasville, Ga.
W. C. Hodges	Metter, Ga.
I. F. Murph	Reynolds, Ga.
Donald C. Cooper	Cairo, Ga.
Haskel Chambers	Clarkesville, Ga.
M. R. Bramlett	Hartwell, Ga.
E. T. Fuller	Ocilla, Ga.
A. T. Sharpton	Jefferson, Ga.
John Wood	Louisville, Ga.
E. J. Martin	Barnesville, Ga.
Kenneth G. Cook, Jr.	Alamo, Ga.
E. O. Daniel, Jr.	Vienna, Ga.
D. Lamar Cooper	Camilla, Ga.
Barry H. Martin	Eastman, Ga.
John B. Floyd, Jr.	Dudley, Ga.
C. D. Gibson	Nahunta, Ga.
James Grubbs	Cuthbert, Ga.
C. E. McGregor	Millen, Ga.
C. G. Bentley, Jr.	Washington, Ga.
Jack D. Vickers	Alma, Ga.
Billy G. Hughes	Cumming, Ga.
Johnnie Crumbley	Homerville, Ga.
J. G. Moseley	Covington, Ga.
Bob Jernigan	Americus, Ga.
Graham Bolton	Donalsonville, Ga.
J. A. Pitts	Gray, Ga.
Calvin Harman	LaGrange, Ga.
Hubert Hancock	Thomaston, Ga.
David H. Kistner	Monroe, Ga.
David M. Holmes	Sandersville, Ga.

OFFICERS

David M. Holmes	Sandersville, Ga.
George C. Martin	Reidsville, Ga.
Preston L. Johnson	Dudley, Ga.

TABLE 4

MEAG MEMBER POLITICAL SUBDIVISIONS

City of Adel
City of Albany
City of Barnesville
City of Blakely
City of Brinson
City of Buford
City of Cairo
City of Calhoun
City of Camilla
City of Cartersville
City of College Park
City of Commerce
City of Covington
Crisp County
City of Doerun
City of Douglas
City of East Point
City of Elberton
City of Ellaville
City of Fairburn
City of Fitzgerald
City of Forsyth
City of Fort Valley

City of Grantville
City of Griffin
City of Hogansville
City of Jackson
City of LaFayette
City of LaGrange
City of Lawrenceville
City of Mansfield
City of Marietta
City of Monroe
City of Monticello
City of Moultrie
City of Newnan
City of Norcross
City of Palmetto
City of Quitman
City of Sandersville
City of Sylvania
City of Sylvester
City of Thomaston
City of Thomasville
City of Washington
City of West Point
City of Whigham

TABLE 5

MEAG GOVERNING BODY MEMBERS

G. N. Manley	Albany, Ga.
J. W. Dent	Cartersville, Ga.
E. B. Pope	Washington, Ga.
W. R. Clayton	Thomasville, Ga.
W. Hardeman, Jr.	Fort Valley, Ga.
A. Stakely	College Park, Ga.
H. B. Lovvorn	LaGrange, Ga.
F. L. Olson	Cordele, Ga.
C. E. Newcomer, Jr.	Fitzgerald, Ga.

OFFICERS

G. N. Manley Chairman	Albany, Ga.
W. R. Clayton Vice Chairman	Washington, Ga.
H. B. Lovvorn Secretary-Treasurer	LaGrange, Ga.
C. E. Newcomer, Jr. Assistant Secretary-Treasurer	Fitzgerald, Ga.

TABLE 6

CITY OF DALTON

COUNCILMEN

Wayman Souther	Dalton, Ga.
Niel Houston	Dalton, Ga.
Trammel Scott	Dalton, Ga.

OFFICERS

Mr. Donald Ellis Mayor	Dalton, Ga.
Jimmy L. Young Mayor Protem	Dalton, Ga.
Faye Martin Clerk	Dalton, Ga.

WATER, LIGHT AND SINKING FUND COMMISSION

James Brown Chairman	Dalton, Ga.
Paul Bradley Commissioner	Dalton, Ga.
C. S. Thomas, Jr. Commissioner	Dalton, Ga.
DeForest Parrot Secretary	Dalton, Ga.

TABLE 7

REGULATORY AGENCIES

GEORGIA POWER COMPANY

Georgia Public Service Commission
244 Washington Street, S. W.
Atlanta, Georgia 30334

Federal Energy Regulatory Commission
Washington, D. C. 20426

OGLETHORPE POWER CORPORATION

United States Department of Agriculture
Rural Electrification Administration*
Washington, D. C. 20250

MUNICIPAL ELECTRIC AUTHORITY OF GEORGIA (MEAG)

Not Applicable

CITY OF DALTON

Not Applicable

* REA does not conduct rate hearings, but rates adopted
by the OPC Board are subject to REA review and approval.

TABLE 8

TRADE AND NEWS PUBLICATIONS

TRADE PUBLICATIONS

<u>Atomic Industrial Forum, Inc.</u>	Public Affairs & Information Program 7101 Wisconsin Avenue, Suite 605 Washington, DC 20014
<u>Electrical Light & Power</u>	221 Columbus Avenue Boston, MA 02116
<u>Electrical Week</u>	1221 Avenue of the Americas New York, NY 10036
<u>Electrical World</u>	330 West 42nd Street New York, NY 10036
<u>Nuclear Assurance Corporation</u>	Librarian 24 Executive Park, West Atlanta, GA 30329
<u>Nuclear Industry</u>	475 Park Avenue, South New York, NY 10016
<u>Nuclear News</u>	244 Ogden Avenue Hinsdale, IL 60521
<u>Nucleonics</u>	330 West 42nd Street New York, NY 10036
<u>Power Engineering</u>	Technical Publishing Company 1301 South Grove Avenue Barrington, IL 60010
<u>Public Power</u>	America Public Power Association 2301 M. Street, N.W. Washington, DC 20037
<u>Public Utilities Fortnightly</u>	Suite 502 1828 L. Street, N.W. Washington, DC 20036
<u>R. E. Magazine</u>	National Rural Electric Cooperative Association Massachusetts Avenue, N.W. Washington, DC 20036

NEWS PUBLICATIONS

The Atlanta Constitution

72 Marietta Street, N. W.
Atlanta, GA 30303

The Atlanta Journal

72 Marietta Street, N. W.
Atlanta, GA 30303

The Augusta Chronical

P. O. Box 1988
News Building
Augusta, GA 30903

The Augusta Herald

P. O. Box 1988
News Building
Augusta, GA 30903

Savannah Evening Press

P. O. Box 1088
Savannah, GA 31402

Savannah Morning News

P. O. Box 1088
Savannah, GA 31402

The True Citizen

East 6th Street
Waynesboro, GA 30830