

April 24, 1980

United States Nuclear Regulatory  
Commission  
Directorate of Licensing  
Office of Regulation  
Washington, D. C. 20045

Attention: Director

Re: Supplement No. 5 to Amendment 40 to License  
Application Dated March 30, 1973 (Docket Nos.  
50-443 & 50-444) and Request for Partial  
Transfer of Construction Permits Nos.  
CPPR-135 and CPPR-136

Gentlemen:

Pursuant to the Atomic Energy Act of 1954, as amended, and the Commission's Rules and Regulations thereunder, Public Service Company of New Hampshire (PSCo), on behalf of itself and the other licensees named in the above Construction Permits, hereby further supplements Amendment 40 to the above License Application as filed on May 16, 1979. To supplement the information heretofore supplied and in further support of the request for partial transfer, the Applicants hereby supply the following information:

A. Supporting Material

1. Filed herewith as Attachment 1 are twenty-five copies of descriptive material relating to New Hampshire Electric Cooperative, Inc. (NH Coop) which, as indicated by Supplement No.

8005010526

3, will constitute a new participant upon acquisition of its 2.17391% Ownership Share from PSCo. All necessary regulatory approvals, except that of the Commission, have been received (see Enclosure 6(e) to Supplement No. 3). The Applicants acknowledge notification from the NRC Staff that antitrust review material is not required in view of the size of NH Coop's participation.

2. In response to the NRC Staff request for additional financial information contained in the letter dated April 2, 1980 from I. S. Rubenstein to W. C. Tallman, President of PSCo, the Applicants submit the following:

(a) In response to Question 1, copies of the Joint Ownership Agreement and all amendments thereto have been previously filed as part of the Application.

(b) In response to Questions 2b, 3e, and 4a, reference is made to Paragraph 15 of the Joint Ownership Agreement which provides that each Participant is entitled to receive its Ownership Share of the capacity and hourly generation of the Units. Therefore, its "percentage ownership share in the facility" and "its percentage entitlement in the electrical capacity and output" are the same.

(c) In response to the balance of Question 4, there are enclosed herewith as Attachment 2 twenty-five copies of responses prepared by NH Coop.

(d) In response to Question 5, there are enclosed herewith as Attachment 3 twenty-five copies

of the most recent construction cost estimate for Seabrook Station.

(e) In response to the balance of Question 2, there are enclosed herewith twenty-five copies of responses prepared by:

(1) Montaup Electric Company - including its individual responses and: Statement of Source of Funds with assumptions; Estimated Cash Requirements for Construction; 1979 Annual Report to Stockholders of Eastern Utilities Associates with 1979 Financial Supplement; and Annual Reports for 1979 of Eastern Edison Company and Eastern Utilities Associates (Consolidated). (Attachment 4)

(2) New Bedford Gas and Edison Light Company - including its individual responses and: Pro Forma Source of Funds Schedule with assumptions; Annual Report for 1979 on Form 10-K; Rate Developments with DPU Order dated January 31, 1980 and related testimony. Also included is a Pro Forma Source of Funds Schedule for Canal Electric Company, an affiliate of this Applicant to which this Applicant intends ultimately to transfer its interests in Seabrook Station, after seeking requisite regulatory approval. (Attachment 5)

(3) Bangor Hydro-Electric Company - including its individual responses and: Pro Forma Source of Funds Schedule with assumptions, Annual Report on Form 10-K with Annual Report to Stockholders, recent rate request material. (Attachment 6)

(4) Fitchburg Gas and Electric Light Company - in response to Question 2c, the 1979 Annual Report to Stockholders, the Annual Report on Form 10-K and a preliminary prospectus. (Attachment 7) The balance of the responses will be filed before May 7, 1980.

(f) In response to the balance of Question 3, there are enclosed herewith twenty-five copies of responses prepared by:

(1) Town of Hudson, Massachusetts, Light and Power Department - including its individual responses and Comparative Balance Sheet and Statement of Income as at December 31, 1979. (Attachment 8)

(2) Massachusetts Municipal Wholesale Electric Company - including its individual responses and its 1979 Annual Report. (Attachment 9)



B. Requested Modifications of Construction Permits

On the basis of the material filed herewith and heretofore in connection with Amendment No. 40 to the License Application, the Applicants respectfully request that the modifications and partial transfers of the Construction Permits be approved as soon as possible. The Applicants submit that each of those entities has demonstrated its financial qualifications to acquire such interests. Such approval by the Commission would permit the Adjustment Period provided for in the Tenth Amendment to commence as soon as the Massachusetts Department of Public Utilities approval is obtained.

In addition, the Applicants respectfully reiterate their request for prompt approval of the modifications and partial transfers of the Construction Permits relating to the transfer by The United Illuminating Company to Central Maine Power Company and Montaup Electric Company. Those transfers are unrelated to the transactions by PSCo and the former transaction can be implemented without any regulatory approval other than that of the Commission. Early implementation of that transfer would permit those two Applicants to more efficiently plan their long-term financing program.

C. General

This Supplement No. 5 to Amendment 40 (three signed originals, under oath, and twenty-two copies) is being submitted by PSCo on behalf of all the current participants in the project

as well as the above-named new participant. Appointment of Agent forms authorizing PSCo to act on behalf of the other participants have previously been filed.

Respectfully submitted,

PUBLIC SERVICE COMPANY OF NEW  
HAMPSHIRE

By /D. N. Merrill  
D. N. Merrill  
Executive Vice President

STATE OF NEW HAMPSHIRE  
COUNTY OF HILLSBOROUGH

Personally appeared before me this 24th day of April, 1980, D. N. Merrill, who, being duly sworn, did state that he is Executive Vice President of Public Service Company of New Hampshire, an applicant herein, that he is duly authorized to execute and file the foregoing supplement in the name and on behalf of Public Service Company of New Hampshire, and that the statements in said supplement are true to the best of his knowledge and belief.

/Judith M. Taggart

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Notary Public

My Commission Expires: April 21, 1982

CERTIFICATE OF SERVICE

I, John A. Ritsher, one of the attorneys for the applicants herein, hereby certify that on April 30, 1980 I made service of the within Supplement No. 5 to Amendment 40 by mailing copies thereof, postage prepaid, first class, to:

Alan S. Rosenthal, Chairman  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dr. John H. Buck  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Michael C. Farrar, Esquire  
Atomic Safety and Licensing  
Appeal Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Ivan W. Smith, Esquire  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Joseph F. Tubridy, Esquire  
4100 Cathedral Avenue, N.W.  
Washington, D.C. 20016

Dr. Marvin M. Mann  
Atomic Safety and Licensing  
Board Panel  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Edwin J. Reece, Esquire  
Office of the Executive Legal  
Director  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

E. Tupper Kinder, Esquire  
Assistant Attorney General  
Environmental Protection Division  
Office of the Attorney General  
208 State House Annex  
Concord, New Hampshire 03301

Karin P. Sheldon, Esquire  
Sheldon, Harmon, Roisman & Weiss  
Suite 506  
1725 I Street, N.W.  
Washington, D.C. 20006

Dr. Ernest O. Salo  
Professor of Fisheries Research  
Institute  
College of Fisheries  
University of Washington  
Seattle, Washington 98195

Dr. Kenneth A. McCollum  
1107 West Knapp Street  
Stillwater, Oklahoma 74074

Robert A. Backus, Esquire  
O'Neill Backus Spielman  
116 Lowell Street  
Manchester, New Hampshire 03105

Office of the Attorney General  
One Ashburton Place  
Boston, Massachusetts 02108

/John A. Ritsher  
\_\_\_\_\_  
John A. Ritsher

ATTACHMENT 1

NEW HAMPSHIRE ELECTRIC COOPERATIVE, INC.

Units No. 1 and No. 2

Seabrook Nuclear Power Station

Seabrook, New Hampshire

Information furnished pursuant to 50.33  
of Commission's Rules and Regulations as  
part of Request for Partial Transfer  
of Construction Permits

April 15, 1980



I. ORGANIZATION AND CONTROL

Name of Applicant

New Hampshire Electric Cooperative, Inc.

Address of Applicant

RFD 2, Tenney Mountain Highway  
Plymouth, New Hampshire 03264

Description of Business of Applicant

The New Hampshire Electric Cooperative, Inc. (NH Coop) is an electric distribution cooperative operating as a New Hampshire corporation with principal offices at Tenney Mountain Highway, Plymouth, New Hampshire.

Corporate Organization

NH Coop is a corporation organized under the Laws of New Hampshire.

Corporate Officers and Directors

<u>Name</u>	<u>Address</u>
Everett Sackett, President	RFD 2, Dover, N.H. 03820
James Page, Vice President	RFD 2, Pike, N.H. 03780
Edwin Moulton, Secretary	Quarry Road, Meredith, N.H. 03253
Fletcher Adams, Treasurer	RFD 3, Stoney Brook Rd., Plymouth, N.H. 03264
Ezra Mann	16 Pine St., Woodsville, N.H. 03785
Gail Paine	Lower Road, Intervale, N.H. 03845
Arthur Wadleigh	RFD 3, Plymouth, N.H. 03264
Theodore Putnam	RFD, Charlestown, N.H. 03603
Grace Bean	Box 392, Waterville Valley, N.H. 03223
Whitman Ide	Fairfield, South Rd., Belmont, N.H. 03220
William Bardsley	RFD, Taunton Hill, Andover, N.H. 03216

All of the directors and principal officers of NH Coop are citizens of the United States of America.

II. FINANCIAL QUALIFICATIONS

The Cooperative has applied to the Rural Electrification Administration to borrow money necessary for purchase of its 2.17391 percent ownership of Seabrook. The Coop has been an REA borrower for 40 years.

III. REGULATORY AGENCIES AND PUBLICATIONS

Regulatory Agencies

The Cooperative is subject to the jurisdiction of the New Hampshire Public Utilities Commission and the Vermont Public Service Board.

The Coop is not owned, controlled or dominated by an alien, foreign corporation or foreign government.

### Publications

The following publications are used by NH Coop for official notifications, and/or are otherwise appropriate for notices regarding this unit:

The Manchester Union Leader, a newspaper with statewide readership is used by the NH Coop for official notifications and it is appropriate for notices regarding this unit.

ATTACHMENT 2

NEW HAMPSHIRE ELECTRIC COOPERATIVE, INC.

Docket Nos: 50-443  
50-444

Seabrook Station, Units 1 & 2

Requests for Additional Financial Information

May 1, 1980

Request for Additional Financial Information

Seabrook Station, Unit Nos. 1 & 2

4. For the Cooperative applicant

- b. The Cooperative has applied to the R.E.A. for \$75,000,000 of borrowing to purchase its share of Seabrook which is estimated by Public Service Company of New Hampshire to cost the Coop \$69,000,000 inclusive of fuel cost and AFUDC.
- c. Payment by the Coop will follow the schedule set out for the adjustment period as defined in the October 11, 1979 offer (see Attachment 2 to Supplement No. 3).
- d. The R.E.A. has made no commitment as yet to the N.H. Coop which is still in process of completing its application. A letter from R.E.A. Administrator Feragen (copy attached) promises to expedite consideration of the loan request. The N.H. Coop has been a borrower of REA for 40 years. In acquiring ownership of Seabrook, the Cooperative will be operating under the general statutes relating to corporations in New Hampshire.
- e. The N.H. Coop rates are set by the N.H. Public Utilities Commission (and by the Vermont Public Service Board for approximately 200 members). The P.U.C. will be asked to approve rates necessary for it to operate as a utility. New Hampshire Public Utility Commission authority must be given for Coop borrowing from R.E.A. and for Coop investment in Seabrook before the Coop can acquire ownership.
- g. Copies of the operating statement for 12 months ended December 31, 1979 and the balance sheet at December 31, 1979 are attached. The Operating Statement for March 1980 and 1980 year-to-date are attached.

UNITED STATES DEPARTMENT OF AGRICULTURE  
RURAL ELECTRIFICATION ADMINISTRATION  
WASHINGTON, D.C. 20250

OFFICE OF THE ADMINISTRATOR

January 4, 1980

Mr. John Pillsbury, Manager  
New Hampshire Electric Cooperative, Inc.  
RFD 2, Tenney Mountain Highway  
Plymouth, New Hampshire 03264

Dear John:

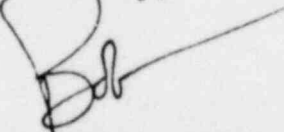
You are right in your reaction to the newspaper story quoting Mr. Sutton of REA's staff. You are also right in believing that the decision on a loan to New Hampshire Electric Cooperative for participation in the Seabrook Nuclear Unit will be made by the Administrator.

I regret the newspaper article and unfortunately several of our staff people have been misquoted or quoted out of context recently. I am issuing a sharp reminder to all staff regarding their responsibilities with respect to public announcements. I hope the article and REA staff statements have caused you the minimum of inconvenience.

As I said previously, the entire loan cannot be a 5 percent insured loan but could be a mix of insured and guaranteed funds. We will review the subject with the greatest of care and will do it promptly. We will then meet with you to discuss our concerns and set a schedule for resolving any problems. For example, I am concerned about the conditions of the purchase agreement, which we must review carefully.

As of this date, I am accelerating the review of your application and will respond as quickly as possible to your request. You can expect prompt action by REA. Any suggestion that we will delay action on the cooperative's application as a means of preventing its participation in Seabrook is erroneous in the extreme.

Sincerely,

A handwritten signature in black ink, appearing to be 'R. W. Feragen', written over a horizontal line.

ROBERT W. FERAGEN  
Administrator



USDA-REA		Form Approved OMB No. 40-R0181	
FINANCIAL AND STATISTICAL REPORT		BORROWER DESIGNATION New Hampshire -4- Merrimack	
U.S. DEPARTMENT OF AGRICULTURE, REA, WASHINGTON, D.C. 20250		MONTH ENDING December 31, 1979	REA USE ONLY
INSTRUCTIONS: Submit original and four copies of this report to REA. Round all amounts to nearest dollar. See REA Bulletin 108-1.			

## PART A. STATEMENT OF OPERATIONS

ITEM	YEAR-TO-DATE			THIS MONTH
	LAST YEAR a	THIS YEAR b	BUDGET c	
1. Operating Revenue & Patronage Capital . . . . .	16,749,378	19,131,717	18,857,315	1,657,876
2. Power Production Expense . . . . .				
3. Cost of Purchased Power . . . . .	10,771,390	12,842,189	12,441,690	1,228,167
4. Transmission Expense . . . . .	3,709	5,978	6,500	2,465
5. Distribution Expense - Operation . . . . .	492,779	539,853	530,500	52,919
6. Distribution Expense - Maintenance . . . . .	564,180	641,708	643,152	34,824
7. Consumer Accounts Expense . . . . .	548,606	593,484	613,518	51,058
7.1 Customer Service and Informational Expense . . . . .	10,851	14,261	24,000	1,080
8. Sales Expense . . . . .				
9. Administrative & General Expense . . . . .	1,034,279	1,156,833	1,082,780	138,336
10. Total Operation & Maintenance Expense (2 thru 9). . . . .	13,425,794	15,794,306	15,342,140	1,508,849
11. Depreciation & Amortization Expense . . . . .	1,305,428	1,432,457	1,420,203	124,087
12. Tax Expense - Property . . . . .	363,745	390,701	420,000	5,702
13. Tax Expense - Other . . . . .	164,476	143,270	177,243	(18,268)
14. Interest on Long-Term Debt . . . . .	1,041,583	1,221,758	1,226,815	110,150
14.1 Interest Charged to Construction-Credit . . . . .	( )	( )	( )	( )
14.2 Interest Expense - Other . . . . .				
15. Other Deductions . . . . .	3,880	6,045	4,050	4,504
16. Total Cost of Electric Service (10 thru 15) . . . . .	16,304,906	18,988,537	18,390,451	1,735,024
17. Patronage Capital & Operating Margins (1 minus 16) . . . . .	444,472	143,180	266,864	(77,148)
18. Non Operating Margins - Interest . . . . .	71,667	165,450	97,687	15,689
19. Allowance For Funds Used During Construction . . . . .				
20. Non Operating Margins - Other . . . . .	5,138	(3,959)	5,782	(416)
21. Generation & Transmission Capital Credits . . . . .				
21.1 Other Capital Credits & Patronage Dividends . . . . .				
22. Extraordinary Items . . . . .				
23. Patronage Capital or Margins (17 thru 22) . . . . .	521,277	304,671	370,333	(61,875)
24. Contributions for Debt Service Not Included in Electric Energy Revenues . . . . .				

## PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

ITEM	YEAR-TO-DATE		ITEM	YEAR-TO-DATE	
	LAST YEAR a	THIS YEAR b		LAST YEAR a	THIS YEAR b
1. New Services Connected	1,705	1,433	5. Miles Transmission	31.09	34.80
2. Services Retired	166	106	6. Miles Distribution-Overhead	3,642.75	3,701.36
3. Total Services in Place	43,995	45,322	7. Miles Distribution-Underground	120.58	136.59
4. Idle Services (Excl. Seasonal)	2,585	2,576	8. Total Miles Energized (5+6+7)	3,794.42	3,872.75

## CERTIFICATION

We hereby certify that the entries in this report and in REA Form 7a if such form is attached hereto are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

*Frank A. Rottstein*

SIGNATURE OF OFFICE MANAGER OR ACCOUNTANT

January 24, 1980  
DATE

*John P. . . . .*

SIGNATURE OF MANAGER

January 24, 1980  
DATE

<div>USDA-REA</div> <div>FINANCIAL AND STATISTICAL REPORT</div> <div>INSTRUCTIONS - SEE REA BULLETIN 108-1.</div>	<div>BORROWER DESIGNATION</div> <div>New Hampshire -4- Merrimack</div> <div>MONTH ENDING</div> <div>December 31, 1979</div> <div>REA USE ONLY</div>
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### PART C. BALANCE SHEET

ASSETS AND OTHER DEBITS	LIABILITIES AND OTHER CREDITS
1. Total Utility Plant in Service . . . . .	25. Memberships . . . . .
2. Construction Work in Progress . . . . .	26. Patronage Capital . . . . .
3. Total Utility Plant (1 + 2) . . . . .	27. Operating Margins - Prior Years . . . . .
4. Accum. Provision for Depreciation and Amort. . . . .	28. Operating Margins - Current Year . . . . .
5. Net Utility Plant (3 - 4) . . . . .	29. Non Operating Margins . . . . .
6. Nonutility Property - Net . . . . .	30. Other Margins and Equities . . . . .
7. Invest. In Assoc. Org.-Patronage Capital . . . . .	31. Total Margins & Equities (25 thru 30) . . . . .
8. Invest. In Assoc. Org.-Other- General Funds . . . . .	32. Long-Term Debt REA (Net) . . . . .
8.1 Invest. In Assoc. Org.-Other-Nongeneral Funds . . . . .	(Payments-Unapplied\$ . . . . .)
9. Other Investments . . . . .	33. Long-Term Debt - Other . . . . .
10. Special Funds . . . . .	34. Total Long-Term Debt - (32 + 33) . . . . .
11. Total Other Property & Investments (6 thru 10) . . . . .	35. Notes Payable . . . . .
12. Cash - General Funds . . . . .	35.1 Accounts Payable . . . . .
13. Cash - Construction Funds - Trustee . . . . .	36. Consumers Deposits . . . . .
14. Special Deposits . . . . .	37. Other Current & Accrued Liabilities . . . . .
15. Temporary Investments . . . . .	38. Total Current & Accrued Liabilities(35 thru 37) . . . . .
16. Notes Receivable - Net . . . . .	39. Deferred Credits . . . . .
17. Accounts Receivable - Net . . . . .	40. Miscellaneous Operating Reserves . . . . .
18. Materials & Supplies - Electric . . . . .	41. Contributions in Aid of Construction . . . . .
19. Materials & Supplies - Other . . . . .	42. Total Liabilities & Other Credits (31 + 34 + 38 thru 41) . . . . .
20. Prepayments . . . . .	43. Current Assets to Current Liabil. Ratio (22÷38) . . . . .
21. Other Current & Accrued Assets . . . . .	44. Margins & Equities as % of Assets (31÷24)×100 . . . . .
22. Total Current & Accrued Assets (12 thru 21) . . . . .	45. Long Term Debt as % of Plant (34÷3) × 100 . . . . .
23. Deferred Debits . . . . .	
24. Total Assets & Other Debits (5 + 11 + 22 + 23) . . . . .	

### PART D. CONSUMER SALES AND REVENUE DATA

CLASS OF SERVICE	THIS MONTH			YEAR-TO-DATE			
	No. Receiving Service a	kWh Sold b	Amount c	No. Minimum Bills d	Avg.No. Receiving Serv. e	kWh Sold Cumulative f	Amount Cumulative g
1. Residential Sales (excl seas.)	36,955	19,391,628	1,180,186	6,665	36,389	225,600,334	13,089,205
2. Residential Sales Seasonal							
3. Irrigation Sales							
4. Comm. & Ind.-50kVA or less	3,687	3,266,327	233,473	644	3,630	44,164,037	2,986,636
5. Comm. & Indus.-over 50kVA	145	4,340,362	221,340	6	139	54,392,343	2,598,639
6. Public St. & Highway Lightng.	1,944	115,905	16,266		1,922	1,343,329	186,804
7. Other Sales to Public Auth.							
8. Sales for Resale-REA Borr.							
9. Sales for Resale-Others							
10. Total Sales of Electric Energy (1 thru 9)	42,731	27,114,222	1,651,265	7,315	42,080	325,500,043	18,861,284
11. Other Electric Revenue			6,611				270,433
12. Total (10 + 11)			1,657,876				19,131,717

### PART E. kWh AND kW STATISTICS

ITEM	THIS MONTH a	YEAR-TO-DATE b	ITEM	THIS MONTH a	YEAR-TO-DATE b
1. Net kWh Generated . . . . .			6. Office Use . . . . .	82,969	1,075,325
2. kWh Purchased . . . . .	32,063,199	359,148,858	7. Total Unaccounted For (4 Less 5 & 6) . . . . .	4,866,008	32,573,490
3. Interchange kWh - Net . . . . .			8. Percent System Loss(7÷4)×100 . . . . .	15.18%	9.07%
4. Total kWh (1 thru 3) . . . . .	32,063,199	359,148,858	9. Maximum Demand (kW) . . . . .	82,419	98,958
5. Total kWh - Sold . . . . .	27,114,222	325,500,043	10. Month When Maximum Demand Occurred . . . . .		

USDA-REA  
FINANCIAL AND STATISTICAL REPORT

Form Approved  
OMB No. 40-R0181

TO: U.S. DEPARTMENT OF AGRICULTURE, REA, WASHINGTON, D.C. 20250

BORROWER DESIGNATION  
New Hampshire -4- Merrimack

INSTRUCTIONS: Submit original and four copies of this report to REA.  
Round all amounts to nearest dollar.  
See REA Bulletin 108-1.

MONTH ENDING  
March 31, 1980

REA USE ONLY

PART A. STATEMENT OF OPERATIONS

ITEM	YEAR-TO-DATE			THIS MONTH
	LAST YEAR a	THIS YEAR b	BUDGET c	
1. Operating Revenue & Patronage Capital . . . . .	5,673,654	6,568,938	6,598,252	2,346,277
2. Power Production Expense . . . . .				
3. Cost of Purchased Power . . . . .	3,919,094	4,902,027	4,742,510	1,696,854
4. Transmission Expense . . . . .	741	130	326	4
5. Distribution Expense — Operation . . . . .	148,844	135,397	130,537	53,769
6. Distribution Expense — Maintenance . . . . .	176,211	112,687	127,525	62,549
7. Consumer Accounts Expense . . . . .	144,347	143,741	157,112	47,078
7.1 Customer Service and Informational Expense . . . . .	4,805	4,582	5,473	1,649
8. Sales Expense . . . . .				
9. Administrative & General Expense . . . . .	263,455	300,782	310,030	96,483
10. Total Operation & Maintenance Expense (2 thru 9) . . . . .	4,657,497	5,605,346	5,473,513	1,958,386
11. Depreciation & Amortization Expense . . . . .	348,119	379,437	376,550	127,016
12. Tax Expense — Property . . . . .	105,600	112,500	112,500	37,500
13. Tax Expense — Other . . . . .	48,417	37,580	42,190	10,625
14. Interest on Long-Term Debt . . . . .	284,350	332,314	333,037	115,789
14.1 Interest Charged to Construction-Credit . . . . .	( )	( )	( )	( )
14.2 Interest Expense — Other . . . . .				
15. Other Deductions . . . . .	973	1,285	1,900	175
16. Total Cost of Electric Service (10 thru 15) . . . . .	5,444,356	6,463,462	6,339,690	2,249,493
17. Patronage Capital & Operating Margins (1 minus 16) . . . . .	229,298	100,476	258,562	96,784
18. Non Operating Margins — Interest . . . . .	31,787	60,840	54,583	24,418
19. Allowance For Funds Used During Construction . . . . .				
20. Non Operating Margins — Other . . . . .	3,338	(13,275)	973	494
21. Generation & Transmission Capital Credits . . . . .				
21.1 Other Capital Credits & Patronage Dividends . . . . .				
22. Extraordinary Items . . . . .				
23. Patronage Capital or Margins (17 thru 22) . . . . .	264,423	143,041	314,118	121,696
24. Contributions for Debt Service Not Included in Electric Energy Revenues . . . . .				

PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

ITEM	YEAR-TO-DATE		ITEM	YEAR-TO-DATE	
	LAST YEAR a	THIS YEAR b		LAST YEAR a	THIS YEAR b
1. New Services Connected	171	215	5. Miles Transmission	31.09	34.80
2. Services Retired	18	33	6. Miles Distribution-Overhead	3,650.63	3,705.09
3. Total Services In Place	44,148	45,504	7. Miles Distribution-Underground	123.16	138.26
4. Idle Services (Excl. Seasonal)	2,723	2,661	8. Total Miles Energized (5+6+7)	3,804.88	3,878.15

CERTIFICATION

We hereby certify that the entries in this report and in REA Form 7a if such form is attached hereto are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

\*Fuel Charges Expensed and Recovered Above - \$736,073

*James A. Rutledge*

SIGNATURE OF OFFICE MANAGER OR ACCOUNTANT

April 15, 1980

DATE

*John P. Kelly*

SIGNATURE OF MANAGER

April 15, 1980

DATE



USDA-REA  <b>FINANCIAL AND STATISTICAL REPORT</b>  <small>INSTRUCTIONS — SEE REA BULLETIN 108-1.</small>	<b>BORROWER DESIGNATION</b> New Hampshire -4- Merrimack  <b>MONTH ENDING</b> March 31, 1980  <div style="text-align: right;"><small>REA USE ONLY</small></div>
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### PART C. BALANCE SHEET

ASSETS AND OTHER DEBITS	LIABILITIES AND OTHER CREDITS
1. Total Utility Plant In Service . . . . . 44,803,484	25. Memberships . . . . .
2. Construction Work In Progress . . . . . 600,742	26. Patronage Capital . . . . . 1,473,297
3. Total Utility Plant (1 + 2) . . . . . 45,404,226	27. Operating Margins — Prior Years . . . . . 100,476
4. Accum. Provision for Depreciation and Amort. . . . . 10,533,285	28. Operating Margins — Current Year . . . . . 47,565
5. Net Utility Plant (3 — 4) . . . . . 34,870,941	29. Non Operating Margins . . . . .
6. Nonutility Property — Net . . . . . 226,366	30. Other Margins and Equities . . . . . 1,621,338
7. Invest. in Assoc. Org.—Patronage Capital . . . . . 13,445	31. Total Margins & Equities (25 thru 30) . . . . . 37,641,657
8. Invest. in Assoc. Org.—Other—General Funds . . . . .	32. Long-Term Debt REA (Net) . . . . .
9. Invest. in Assoc. Org.—Other—Nongeneral Funds . . . . . 819,433	(Payments-Unapplied\$ . . . . .)
10. Other Investments . . . . . 2,000	33. Long-Term Debt - Other . . . . . 566,097
11. Special Funds . . . . .	34. Total Long-Term Debt - (32 + 33) . . . . . 38,207,754
12. Total Other Property & Investments (6 thru 10) . . . . . 1,061,244	35. Notes Payable . . . . .
13. Cash - General Funds . . . . . 193,589	35.1 Accounts Payable . . . . . 2,168,291
14. Cash - Construction Funds - Trustee . . . . . 1,000	36. Consumers Deposits . . . . . 92,091
15. Special Deposits . . . . .	37. Other Current & Accrued Liabilities . . . . . 339,922
16. Temporary Investments . . . . . 1,390,000	38. Total Current & Accrued Liabilities(35 thru 37) . . . . . 2,600,304
17. Notes Receivable - Net . . . . .	39. Deferred Credits . . . . . 116,466
18. Accounts Receivable - Net . . . . . 1,850,904	40. Miscellaneous Operating Reserves . . . . .
19. Materials & Supplies - Electric . . . . . 799,397	41. Contributions in Aid of Construction . . . . .
20. Materials & Supplies - Other . . . . . 11,068	42. Total Liabilities & Other Credits (31 + 34 + 38 thru 41) . . . . . 42,545,862
21. Prepayments . . . . . 304,197	
22. Other Current & Accrued Assets . . . . . 15,090	43. Current Assets to Current Liabli. Ratio (22÷38) . . . . . 1.76
23. Total Current & Accrued Assets (12 thru 21) . . . . . 4,565,255	44. Margins & Equities as % of Assets (31÷24)×100 . . . . . 3.81%
24. Deferred Debits . . . . . 2,048,422*	45. Long Term Debt as % of Plant (34÷3) × 100 . . . . . 84.15%
25. Total Assets & Other Debits (5 + 11 + 22 + 23) . . . . . 42,545,862	

### PART D. CONSUMER SALES AND REVENUE DATA

CLASS OF SERVICE	THIS MONTH				YEAR-TO-DATE		
	No. Receiving Service a	kWh Sold b	Amount c	No. Minimum Bills d	Avg.No. Receiving Serv. e	kWh Sold Cumulative f	Amount Cumulative g
1. Residential Sales (excl seas.)	37,050	26,005,693	1,662,566	8,526	37,016	76,916,086	4,661,428
2. Residential Sales Seasonal							
3. Irrigation Sales							
4. Comm. & Ind.-50kVA or less	3,699	4,334,617	317,665	795	3,702	12,641,007	892,755
5. Comm. & Indus.-over 50kVA	148	6,128,416	344,265	8	147	17,915,297	940,302
6. Public St. & Highway Lightng	1,946	112,757	17,581		1,950	342,973	51,287
7. Other Sales to Public Auth.							
8. Sales for Resale-REA Borr.							
9. Sales for Resale-Others							
10. Total Sales of Electric Energy (1 thru 9)	42,843	36,581,483	2,342,077	9,329	42,815	107,815,363	6,545,772
11. Other Electric Revenue			4,200				23,168
12. Total (10 + 11)			2,346,277				6,568,938

### PART E. kWh AND kW STATISTICS

ITEM	THIS MONTH a	YEAR-TO-DATE b	ITEM	THIS MONTH a	YEAR-TO-DATE b
1. Net kWh Generated . . . . .			6. Office Use . . . . .	126,926	397,416
2. kWh Purchased . . . . .	36,959,223	119,391,488	7. Total Unaccounted For (4 Less 5 & 6) . . . . .	250,814	11,178,709
3. Interchange kWh - Net . . . . .			8. Percent System Loss(7÷4)×100 . . . . .	.7%	9.36%
4. Total kWh (1 thru 3) . . . . .	36,959,223	119,391,488	9. Maximum Demand (kW) . . . . .	82,407	86,392
5. Total kWh - Sold . . . . .	36,581,483	107,815,363	10. Month When Maximum Demand Occured . . . . .		Feb.

ATTACHMENT 3

Question 5

In the event that the cost estimates submitted with Amendment No. 40, dated May 14, 1979 have changed significantly, provide the most recent cost estimate grouped as follows: (a) total nuclear production plants' costs; (b) transmission, distribution, and general plant costs; and (c) nuclear fuel inventory cost for the first core. The cost estimates should be in dollars escalated through the year of construction completion. Also, complete the attached schedule entitled, "Plant Capital Investment Summary," using the most recent cost estimates. Indicate the estimated site labor requirements expressed as "man-hours/KWE." Indicate the average site labor pay rate in dollars per hour (including fringe benefits) effective at month and year of NSSS purchase. Also, indicate any changes in the estimated month and year of construction start for each unit and the earliest and latest estimated dates for completion of construction of the unit.

Answer 5

The construction cost estimate for Seabrook Station, including both Units 1 and 2, with AFUDC estimated for the entire project calculated according to PSNH's methods, is as follows:

## DOLLARS IN THOUSANDS

UNIT 1 and UNIT 2

(a) Total nuclear production plant costs <sup>1</sup>	\$3,160,000
(b) Transmission, distribution, and general plant cost <sup>2</sup>	36,190
(c) Nuclear fuel inventory costs for first core <sup>3</sup>	175,470
	<u>\$3,371,660</u>

Also, attached is "Plant Capital Investment Summary Schedule" for Seabrook Station.

The cost estimate is a preliminary revision and does not provide total estimated manual site labor man-hours. The estimated average site labor pay rate (including fringe benefits) as of January 1973 was \$8.88/hour and as of April 1979 is \$12.95/hour. Construction of both units was started in July 1976 and is expected to be completed in the month of commercial operation or April 1983 and February 1985 respectively. End of construction dates have not been estimated on an earliest or latest estimated date basis.

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<sup>1</sup> Estimated March 1980, includes AFUDC; but excludes nuclear fuel.

<sup>2</sup> Costs estimated in 1980, includes all transmission facilities with land rights estimated for New Hampshire only; excludes AFUDC. Distribution and general plant costs are included in (a) above.

<sup>3</sup> Estimated February 1980 does not include AFUDC.



# PLANT CAPITAL INVESTMENT

## SUMMARY

### BASIC DATA

Name of plant	<u>Seabrook Station</u>	Cost basis: at <u>start of construction</u>
Net capacity	<u>Units 1 and 2</u> <u>(1150 MW each unit)</u> <u>(2300 MW total)</u>	
Reactor type	<u>Westinghouse PWR</u>	
Location	<u>Seabrook, N.H.</u>	Type of cooling
Design and construction period		Run of river
Month, year NSSS order placed	<u>January, 1973</u>	Natural draft cooling towers
Month, year of commercial operation	<u>April, 1983 Unit 1</u> <u>February, 1985 Unit 2</u>	Machanical draft cooling towers
Length of workweek	<u>40 hours, 5 days</u>	Other (describe) <u>Atlantic Ocean</u>
Interest rate, interest during construction	<u>12</u>	<del>Simple</del> or compound?

### COST SUMMARY

Account Number	Account Title	Total Cost (thousand dollars)
<u>DIRECT COSTS</u>		
20	Land and land rights.....	\$ <u>1,500</u>
<u>PHYSICAL PLANT</u>		
21	Structures and site facilities.....	\$ <u>472,000</u>
22	Reactor plant equipment.....	<u>351,500</u>
23	Turbine plant equipment.....	<u>144,500</u>
24	Electric plant equipment.....	<u>112,000</u>
25	Misc. plant equipment.....	<u>54,500</u>
	Subtotal.....	\$ <u>1,136,000</u>
	Spare parts allowance.....	<u>15,000</u>
	Contingency allowance.....	<u>79,000</u>
	Subtotal.....	\$ <u>1,230,000</u>
<u>INDIRECT COSTS</u>		
91	Construction facilities, equipment, and services.....	\$ <u>137,000</u>
92	Engineering and const. mg't. services..	<u>363,500</u>
93	Other costs.....	<u>134,500</u>
94	Interest during construction.....	<u>1,075,000</u>
	Subtotal.....	\$ <u>1,710,000</u>
	Start of construction cost.....	<u>2,940,000</u>
	*Escalation during const. (      % Yr.).	<u>220,000</u>
	Total plant capital invest. (\$1,374/KW)	\$ <u>3,160,000</u>

#### \*Escalation Rates:

Material - 12% for 1980, 10% for 1981, 8% thereafter  
Labor - 8%

Note: Cost data above is for Unit # 1 and Unit # 2. Date of preliminary construction cost estimate is March, 1980.

ATTACHMENT 4

DOCKET NOS. 50-443 & 58-444

SEABROOK STATION, UNITS 1 AND 2

NUCLEAR REGULATORY COMMISSION REQUEST DATED APRIL 2, 1980 FOR

ADDITIONAL FINANCIAL INFORMATION

RESPONSE OF

MONTAUP ELECTRIC COMPANY

APRIL 1980

MONTAUP ELECTRIC COMPANY

Item 2 a(A)

Attached hereto as Schedule 1 is Montaup Electric Company's (the Applicant) Statement of Sources of Funds for Construction Expenditures During Period of Construction of Subject Nuclear Power Plant for the period 1977-1985.

An Estimate of Cash Requirements for Construction for the period 1979-1985 is also attached hereto as Schedule 2. Page 1 of Schedule 2 reflects expenditures for each Company within the Eastern Utilities system as well as a summary for the entire system. Page 2 of Schedule 2 reflects more detailed expenditures of the Applicant.

Assumptions utilized in the Sources of Funds statement:

(a) Return on Average Common Equity:

The assumed returns on average common equity for the period 1981-1985 are 11.80%, 11.77%, 11.80%, 11.74% and 11.76%, respectively. The above returns are slightly higher than the average 11.30% return that the Applicant has earned during the period 1976-1979.

(b) Preferred Stock Dividend Rate:

No preferred stock was assumed to be issued by the Applicant during the forecast period.

(c) Interest Rate on Long-Term and Short-Term Borrowings:

Interest on long-term debt issued in 1980 was assumed at the rate of 14%. For the period 1981-1985 the rate on long-term debt was assumed at 12%.

Interest on short-term debt was assumed at the rate of 16% for 1980 and 12% for the period 1981-1985. All interest on short-term debt was calculated using an effective rate of 125% of the basic rate.

The above interest rate assumptions represent management's best estimate as to the level of rates that will prevail during the construction period.

(d) Market/Book Ratio on Common Stock Sales:

The Applicant's common stock is held by its Parent Company, Eastern Edison Company and therefore is not publicly traded. For this reason no such ratio is available. It is assumed that sales of common stock by the Applicant will be at par value of \$100 per share.

(e) Common Stock Dividend Payment Ratio:

The common stock dividend rate has been established at \$12 per share throughout the construction period. This payment rate has been determined by management as necessary to support Eastern Edison Company's investment in the Applicant.

(f) Year-By-Year Capital Structure:

See Schedule 3 attached for year-by-year capital structure. The project capital structure is consistent with the practice of maintaining a level of approximately 50% debt and 50% equity for the Applicant.

(g) Resultant SEC and Indenture Coverages:

Coverages during the period 1980-1985 are also included on Schedule 3. The Indenture coverages are those of

the Applicant's Parent Company, Eastern Edison Company since that is the entity that sells permanent securities to the public to provide permanent capital to finance the Applicant's construction program.

(h) Growth Rate in KWH Sales and Price Per KWH:

The assumed growth rate in KWH sales is 3.2% for the period 1980-1983 and 3.6% for the period 1984-1985. The growth rates are consistent with other estimates that management has developed for other planning purposes. Price per KWH is not available however the total revenue increases for the Applicant are assumed as follows: 1981 - \$19.8 million; 1982 - \$2.3 million; 1983 - \$3.4 million; 1984 - \$2.1 million; and 1985 - \$3.8 million. (See (i) below for assumption on inclusion of a portion of Construction Work in Progress in Rate Base).

(i) Other Significant Assumptions:

The forecast has assumed that the Applicant's acquisition of the additional 3.1% Seabrook interests will take place on July 1, 1980.

The Applicant currently has a Petition before the Federal Energy Regulatory Commission (FERC) seeking permission to include a portion of its Construction Work in Progress (CWIP) in rate base through the in-service date of Seabrook Unit No. 2.

The attached Schedules include the assumption that a portion of the Applicant's CWIP will be included in rate base for the period 1981-1985. The percentage of CWIP included in rate base is as follows: 1981 - 81%, 1982 - 68%, 1983 - 49%, 1984 - 40%, and 1985 - 31%.



Federal Energy Regulatory Commission approval must be obtained before the Applicant can file for increased rates which include any Construction Work in Progress in Rate Base. Although the Applicant's direct testimony and exhibits have not yet been filed and no hearing schedule has been established by FERC, the attached schedules assume a portion of CWIP in rate base effective January 1, 1981. Management is unable to predict whether FERC will approve the Applicant's request as filed; approve it with modification; approve alternate means of relief, such as granting an extremely high return on common equity; or deny the request.

Public Service Company of New Hampshire, the lead participant in the Seabrook Units has recently implemented a slowdown in construction of the units. Public Service has also announced that the total estimated cost has been increased due to the severe inflation that is being experienced. The Applicant has not had sufficient time to revise its forecast of cash requirements to include these higher estimated construction costs. Based on a preliminary analysis the current reduced construction activity will reduce the Applicant's cash requirements by approximately \$7.3 million in 1980 (assuming a July 1, 1980 acquisition takes place and construction is slowed for one year). For the years after 1980 it is estimated that cash requirements will be increased by the following amounts: 1981 - \$3.4 million; 1982 - \$4.5 million; 1983 - \$6.6 million; 1984 - \$5.7 million; 1985 - \$5.8 million and 1986-\$1.3 million.

Item 2 c(A)

Copies of the Eastern Utilities Annual Report to Shareholders is included as well as a Financial Supplement which includes financial statements of the Applicant. Only ten copies of the Forms 10-K of the Applicant's Parent Company Eastern Edison Company and of Eastern Utilities Associates (Consolidated) are also included since these items are in short supply.

Item 2 d(A)

No change from response provided in August 1979.

Item 2 f(A)

No change from response provided in August 1979 as it relates to long-term debt, preferred stock, preference stock and common stock. See Schedule 4 attached for current short-term debt arrangements.

Item 2 g(A)

No change from response provided in August 1979 however see response to Item 2 (i)(A) included herein relative to a Petition filed with the Federal Energy Regulatory Commission seeking approval to include a portion of Construction Work in Progress in Rate Base.

Item 2 h(A)

See Page 2 of Schedule 2 included in Item 2 a(A) herein.

Item 2 (A)

Completed Financial Statistics of the Applicant for the years ended December 31, 1979, 1978 and 1977 are included herein on Schedule 5.

APPLICANT: MONTAUP ELECTRIC COMPANY NUCLEAR PLANT: SEABROOK #1 & #2

SOURCES OF FUNDS FOR CONSTRUCTION EXPENDITURES DURING PERIOD  
OF CONSTRUCTION OF SUBJECT NUCLEAR POWER PLANT  
(millions of dollars)

	Construction Years of Subject Nuclear Power Plant								
	Actual			Estimated					
	1977	1978	1979	1980	1981	1982	1983	1984	1985
<u>Security Issues &amp; Other Funds</u>									
Common stock	10.3	--	7.2	7.0	26.0	10.0	10.0	9.6	12.0
Long-term debt	--	9.3	--	20.0	24.0	11.5	7.9	15.0	13.0
Notes payable	7.8	(3.8)	13.6	28.8	(26.9)	3.3	(2.4)	(6.3)	(17.1)
Total	18.1	5.5	20.8	55.8	23.1	24.8	15.5	18.3	7.9
<u>Internal Funds</u>									
Net income	5.9	7.1	8.6	4.2	10.5	12.7	13.9	15.0	16.4
Less: preferred dividends	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
common dividends	7.2	6.7	6.3	7.6	9.4	12.2	13.2	13.9	15.8
Retained earnings	(1.5)	0.2	2.1	(3.6)	0.9	0.3	0.5	0.9	0.4
Deferred taxes	0.9	0.9	1.4	0.5	1.3	1.4	2.5	3.8	4.2
Investment tax credit	0.2	1.6	1.4	(0.2)	2.9	2.3	1.8	1.8	1.3
Depreciation & amortization	4.8	4.7	4.8	4.9	4.9	4.9	6.9	9.1	11.9
Other	--	--	--	--	--	--	--	--	--
AFUDC	(1.9)	(3.8)	(6.1)	(9.4)	(2.8)	(4.6)	(6.6)	(9.0)	(9.4)
Total	2.5	3.6	3.6	(7.8)	7.2	4.3	5.1	6.6	8.4
TOTAL FUNDS	20.6	9.1	24.4	48.0	30.3	29.1	20.6	24.9	16.3
<u>Construction Expenditures*</u>									
Nuclear power plants	14.3	8.5	11.5	47.1	30.5	23.9	20.4	20.5	14.4
Other	1.4	5.1	4.1	0.8	1.1	1.1	1.2	2.7	1.4
Total	15.7	13.6	15.6	47.9	31.6	25.0	21.6	23.2	15.8
<u>Other Capital Requirements</u>									
Redemption of bonds	--	--	--	--	--	5.4	--	--	--
Changes in working capital	4.9	(4.5)	8.8	0.1	(1.3)	(1.3)	(1.0)	1.7	0.5
TOTAL CAPITAL REQUIREMENTS	20.6	9.1	24.4	48.0	30.3	29.1	20.6	24.9	16.3

\*Exclusive of AFUDC (Allowance for funds used during construction).

## ESTIMATE OF CASH REQUIREMENTS FOR CONSTRUCTION

with CWP transferred to Plant in 1981

1979 - 1985

(000)

	1979	1980	1981	1982	1983	1984	1985
<b>BLACKSTONE VALLEY ELECTRIC</b>							
Transmission	448	324	2,230	1,381	795	308	368
Distribution	2,678	3,879	4,203	3,859	3,953	3,968	4,399
General	889	470	356	385	421	441	406
Total Expenditures	4,015	4,673	6,789	5,625	5,169	4,717	5,173
AFUDC in Total	101	193	288	485	185	82	130
Net Cash Requirement	3,914	4,480	6,501	5,140	4,984	4,635	5,043
<b>EASTERN EDISON - BROCKTON</b>							
Transmission	206	41	44	47	52	91	1,174
Distribution	3,991	3,653	3,984	4,003	4,840	4,816	5,490
General	2,243	2,550	1,223	758	814	741	684
Total Expenditures	6,440	6,244	5,251	4,808	5,706	5,648	7,348
AFUDC in Total	151	373	109	64	139	192	80
Net Cash Requirement	6,289	5,871	5,142	4,744	5,567	5,456	7,268
<b>EASTERN EDISON - FALL RIVER</b>							
Transmission	0	0	0	0	0	0	0
Distribution	1,740	4,089	3,672	3,198	2,813	2,721	2,867
General	365	283	219	235	259	243	205
Total Expenditures	2,105	4,372	3,891	3,433	3,072	2,964	3,072
AFUDC in Total	28	126	53	51	39	38	66
Net Cash Requirement	2,077	4,246	3,838	3,382	3,033	2,926	3,006
<b>MONTAUP ELECTRIC</b>							
J. O. Units	17,198	56,694	33,798	29,032	27,433	29,853	23,971
Steam Production	3,296	295	304	313	323	200	211
Transmission	1,251	248	225	238	465	2,200	952
General	72	36	32	29	30	32	33
Total Expenditures	21,817	57,273	34,359	29,612	28,251	32,284	25,166
AFUDC in Total	6,242	9,398	2,758	4,585	6,615	9,063	9,356
Net Cash Requirement	15,575	47,875	31,601	25,027	21,636	23,221	15,810
<b>EUA SERVICE CORPORATION</b>							
Non-Utility Property	259	52	55	58	62	66	70
Total Expenditures	259	52	55	58	62	66	70
AFUDC in Total	0	0	0	0	0	0	0
Net Cash Requirement	259	52	55	58	62	66	70
<b>EUA SYSTEM SUMMARY</b>							
J.O. Units	17,198	56,694	33,798	29,032	27,433	29,853	23,971
Steam Production	3,296	295	304	313	323	200	211
Transmission	1,905	613	2,499	1,666	1,312	2,599	2,494
Distribution	8,409	11,621	11,859	11,060	11,606	11,505	12,756
General	3,569	3,339	1,830	1,407	1,524	1,457	1,328
Non-Utility Property	259	52	55	58	62	66	70
Total Expenditures	34,636	72,614	50,345	43,536	42,260	45,680	40,830
AFUDC in Total	6,522	10,090	3,208	5,185	6,978	9,376	9,633
Cash Requirements	28,114	62,524	47,137	38,351	35,282	36,304	31,197

## MONTAUP ELECTRIC COMPANY

## ESTIMATE OF CASH REQUIREMENTS FOR CONSTRUCTION

with CWIP transferred to Plant in 1981

1979 - 1985

(000)

Line No.		% Ownership	Share (MW)	In-Service Date	Previously Spent	1979	1980	1981	1982	1983	1984	1985
1	Seabrook Units #1 - #2	5.000	115	( 5/83 ) ( 2/85 )	11,712	7,917	45,640	23,247	13,186	9,080	7,893	656
2	Millstone Unit #3	4.009	46	5/86	22,365	6,957	7,627	3,798	8,007	9,563	9,706	8,875
3	Pilgrim Unit #2	2.150	25	5/87	5,918	1,842	2,825	4,099	5,158	5,980	7,834	8,038
4	Uncommitted Coal Unit	33.333	200	6/92	0	0	200	624	662	634	639	856
5	NEPCO Unit #1	4.348	50	-	1,676	378	281	153	0	0	0	0
6	Montague Unit #1	2.000	23	-	829	104	121	142	159	178	216	731
7	Peaking Capacity			12/89		0	0	0	0	0	0	0
8	Nuclear Reloads					0	0	1,735	1,860	1,998	3,565	4,815
9	Total J. O. Units				42,500	17,198	56,694	33,798	29,032	27,433	29,853	23,971
10	Steam Production					3,296	295	304	313	323	200	211
11	Transmission					1,251	248	225	238	465	2,200	952
12	General					72	36	32	29	30	31	32
13	Total Expenditures					21,817	57,273	34,359	29,612	28,251	32,284	25,166
14	AFUDC in Total					6,242	9,398	2,758	4,585	6,615	9,063	9,356
15	Net Cash Requirement For Construction					15,575	47,875	31,601	25,027	21,636	23,221	15,810

WWF/emc  
April 17, 1980

MONTAUP ELECTRIC COMPANY

	Actual						Estimated			
	1977		1978		1979		1980		1981	
	\$	%	\$	%	\$	%	\$	%	\$	%
<u>Capital Structure</u>										
Long-term debt	65,600	50.4	74,875	53.6	74,875	50.3	94,875	55.2	118,875	53.4
Preferred stock	1,500	1.2	1,500	1.1	1,500	1.0	1,500	0.9	1,500	0.7
Common equity	63,035	48.4	63,209	45.3	72,484	48.7	75,499	43.9	102,377	45.9
	<u>130,135</u>	<u>100.0</u>	<u>139,584</u>	<u>100.0</u>	<u>148,859</u>	<u>100.0</u>	<u>171,874</u>	<u>100.0</u>	<u>222,752</u>	<u>100.0</u>
<u>Coverages</u>										
SEC Basis							1.26		1.93	
Indenture (Coverage of Eastern Edison Co.)							1.88		2.38	

	Estimated							
	1982		1983		1984		1985	
	\$	%	\$	%	\$	%	\$	%
<u>Capital Structure</u>								
Long-term debt	119,525	51.1	132,825	51.6	147,825	52.2	160,825	52.2
Preferred stock	1,500	0.7	1,500	0.6	1,500	0.5	1,500	0.5
Common equity	112,653	48.2	123,136	47.8	133,631	47.3	146,025	47.3
	<u>233,678</u>	<u>100.0</u>	<u>257,461</u>	<u>100.0</u>	<u>282,956</u>	<u>100.0</u>	<u>308,350</u>	<u>100.0</u>
<u>Coverages</u>								
SEC Basis	2.11		2.05		2.04		2.20	
Indenture (Coverage of Eastern Edison Co.)	2.45		2.45		2.38		2.35	



## MONTAUP ELECTRIC COMPANY

Response to Item 2 f(A)

Issuance of short-term debt by the Applicant is subject to approval by the Securities and Exchange Commission under the Public Utility Holding Company Act of 1935. The Applicant is currently authorized to borrow up to \$63.5 million during the period ending December 1980.

The Applicant currently has Lines of Credit with a number of banks which aggregate \$70 million, \$18.5 million of which is shared with other system companies. These lines of credit have been established under various arrangements which include: (1) borrowing at prime rate with no formal compensating balance; (2) borrowing at prime rate with compensating balances of up to 20%; and borrowing at the prime rate or at the prime rate times a percentage thereof with a commitment fee based on a fraction of the prime rate. At March 31, 1980 the Applicant had outstanding \$30.8 million in short-term borrowings.



## MONTAUP ELECTRIC COMPANY

RESPONSE TO ITEM 21(a)  
FINANCIAL STATISTICS

	Year					
	1979		1978		1977	
	(dollars in millions)					
Earnings available to common equity	\$	8.6	\$	7.1	\$	5.9
Average common equity	\$	67.8	\$	63.1	\$	58.6
Rate of return on average common equity		12.7		11.3		10.1
Times total interest earned before FIT:						
Gross income (incl. AFUDC) + current and deferred FIT + total interest charges + amortization of debt discount and expense		1.86		2.01		1.80
Times long-term interest earned before FIT:						
Gross income (incl. AFUDC) + current and deferred FIT + long-term interest charges + amortization of debt discount and expense		2.83		2.66		2.16
Bond ratings (end of period)						
Standard & Poor's		N/A		N/A		N/A
Moody's		N/A		N/A		N/A
Times interest and preferred dividends earned after FIT:						
Gross income (incl. AFUDC) + total interest charges + amortization of debt discount and expense + preferred dividends		1.79		1.86		1.80
AFUDC	\$	6.1	\$	3.8	\$	1.9
Net income after preferred dividends	\$	8.6	\$	7.1	\$	5.9
%		70.9%		53.0%		32.0%
Market price of common*	\$	11.75	\$	14.25	\$	16.625
Book value of common*	\$	17.33	\$	17.85	\$	17.82
Market-book ratio (end of period)*		68%		80%		93%
Earnings avail. for common less AFUDC + depreciation and amortization, deferred taxes, and invest. tax credit adjust.-deferred	\$	8.4	\$	8.7	\$	9.3
Common dividends	\$	6.3	\$	6.7	\$	7.2
Ratio		1.33		1.30		1.29
Short-term debt						
Bank loans	\$	30.1	\$	16.5	\$	20.3
Commercial paper	\$	-0-		-0-		-0-
Capitalization (Amount & Percent)						
Long-term debt	\$	74.9	50.3%	\$	74.9	53.6%
Preferred Stock		1.5	1.0		1.5	1.1
Common equity		72.5	48.7		63.0	48.4
	\$	148.9	100.0%	\$	139.6	100.0%
				\$	130.1	100.0%

\*If subsidiary company, use parent's data. (Data reflected is that of Eastern Utilities Associates).

Eastern Utilities Associates



and Subsidiaries

1979  
Financial  
Supplement

## **Eastern Utilities Associates**

A Massachusetts Voluntary Association

99 High Street, Boston, Massachusetts

Telephone: (617) 357-9590

Mailing Address: P.O. Box 2333, Boston 02107

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Eastern Utilities Associates is the parent company for two retail electric utility operating companies: Blackstone Valley Electric Company and Eastern Edison Company; Montaup Electric Company, a wholesale generation and transmission company; and a service company, EUA Service Corporation. Effective July 31, 1979 Fall River Electric Light Company was merged into Brockton Edison Company and on August 1, 1979 Brockton's name was changed to Eastern Edison Company.

## **Executive Officers**

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### **John F.G. Eichorn, Jr.**

President and Chief Executive Officer of the Association

### **Robert E. Maguire**

Executive Vice President of the Association

### **William R. Bisson**

Vice President of the Association

### **Donald G. Pardus**

Vice President and Treasurer of the Association

### **William F. O'Connor**

Secretary of the Association

### **Richard M. Burns**

Comptroller of the Association

The retail electric operating subsidiaries of Eastern Utilities Associates are as follows:

---

### **Blackstone Valley Electric Company**

Washington Highway, Lincoln, RI 02865

74,588 customers in 7 communities in northern Rhode Island

Stanley S. Ribb, President

### **Eastern Edison Company**

36 Main Street, Brockton, MA 02403

148,301 customers in 22 communities in southeastern Massachusetts

Allan K. Harner, President

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Price Range of Common Shares	
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*This booklet has been prepared primarily for institutional investors and security analysts as a reference source. It is not intended for use in connection with any sale, or offer to sell, or solicitation of an offer to buy any securities. All inquiries should be directed to Donald G. Pardus, Vice President and Treasurer.*

## EUA System Highlights

	1979	1978	% Increase (Decrease)
<b>Income, Earnings, Dividends:</b>			
Consolidated Net Income	\$ 8,526,000	\$ 8,656,000	(1.5%)
Average Common Shares Outstanding	4,871,667	4,266,921	14.2%
Consolidated Earnings per Average Common Share	\$1.75	\$2.03	(13.8%)
Dividends Paid Per Share	\$1.60	\$1.60	
<b>Sales and Customers:</b>			
Total Operating Revenues	\$185,875,000	\$159,195,000	16.8%
Total Electric Sales (KWH)	4,115,000	3,925,000	4.8%
Customers, Year End	222,896	220,090	1.3%
<b>Property and Plant:</b>			
Net Utility Plant	\$289,559,000	\$271,663,000	6.6%
Construction Expenditures	\$ 30,498,000	\$ 25,948,000	17.5%

### Dividends Paid Per Share on the Common Shares of Eastern Utilities Associates

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	The Year
1979	\$0.40	\$0.40	\$0.40	\$0.40	\$1.60
1978	\$0.40	\$0.40	\$0.40	\$0.40	\$1.60

### Price Range of Common Shares of Eastern Utilities Associates

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1979 — High	15½	14¾	15	14½
— Low	14¾	13¼	13⅞	11½
1978 — High	17	16⅞	16¾	16½
— Low	16	15½	15	14¼

The Common Shares of Eastern Utilities Associates are listed on the New York Stock Exchange.  
Ticker symbol — EUA.

Eastern Utilities Associates and Subsidiary Companies

**Income Statements**

Years Ended December 31,

(In Thousands)	Eastern Utilities Associates Consolidated	
	1979	1978
Operating Revenues	<b>\$185,875</b>	\$159,195
Operating Expenses:		
Operation — Fuel	<b>82,133</b>	56,295
— Purchased Power — Net	<b>22,403</b>	21,577
— Other	<b>28,662</b>	27,330
	<b>133,198</b>	105,202
Maintenance	<b>5,153</b>	5,210
Depreciation	<b>9,729</b>	9,377
Amortization of Investment Credit (Credit)	<b>(446)</b>	(414)
Taxes — Other Than Federal Income	<b>12,724</b>	13,286
— Federal Income (Credit)	<b>(48)</b>	4,804
— Deferred (Credit)	<b>2,515</b>	(122)
Total Operating Expenses	<b>162,825</b>	137,343
Operating Income	<b>23,050</b>	21,852
Interest from Associated Company		
Equity in Earnings of Subsidiaries	<b>807</b>	679
Allowance for Other Funds Used During Construction	<b>1,608</b>	982
Other Income and (Deductions) — Net	<b>238</b>	73
Income Before Interest Charges	<b>25,703</b>	23,586
Interest Charges:		
Interest on Long-Term Debt	<b>11,401</b>	10,385
Amortization of Debt Expense and Premium	<b>123</b>	210
Other Interest Expense	<b>8,680</b>	5,639
Allowance for Borrowed Funds Used During Construction (Credit)	<b>(4,660)</b>	(2,937)
Net Interest Charges	<b>15,544</b>	13,297
Income After Interest Charges	<b>10,159</b>	10,289
Preferred Dividends Requirement	<b>1,633</b>	1,633
Net Income	<b>\$ 8,526</b>	\$ 8,656

Eastern Utilities Associates and Subsidiary Companies

**Retained Earnings Statements**

Years Ended December 31,

Retained Earnings — Beginning of Year	<b>\$ 22,998</b>	\$ 21,116
Income After Interest Charges	<b>10,159</b>	10,289
Total	<b>33,157</b>	31,405
Dividends Paid — Preferred	<b>1,633</b>	1,633
— Common	<b>7,738</b>	6,774
Retained Earnings — End of Year	<b>\$ 23,786</b>	\$ 22,998

Financial Information included herein are not intended to represent complete financial statements.

Blackstone Valley Electric Company		Eastern Edison Company		Montaup Electric Company	
1979	1978	1979	1978	1979	1978
<u>\$62,068</u>	<u>\$54,245</u>	<u>\$100,563</u>	<u>\$89,768</u>	<u>\$133,189</u>	<u>\$110,276</u>
1	1	35	31	82,096	56,264
42,594	34,993	69,226	57,115	21,995	21,169
7,376	6,981	12,616	11,796	12,112	11,866
49,971	41,975	81,877	68,942	116,203	89,299
1,267	1,299	1,936	2,123	1,951	1,788
1,874	1,812	3,083	2,818	4,772	4,746
(82)	(71)	(123)	(117)	(242)	(226)
4,221	4,002	6,157	6,766	2,347	2,519
(686)	788	1,095	3,514	(457)	501
938	131	215	(1,127)	1,361	873
57,503	49,936	94,240	82,919	125,935	99,500
4,565	4,309	6,323	6,849	12,254	10,776
		7,102	6,224		
		8,589	7,122	807	679
20	13			1,589	969
(52)	(56)	(16)	(8)	278	108
4,533	4,266	21,998	20,187	14,928	12,532
		8,840	7,887	7,102	6,224
63	57	39	109	2	2
3,957	2,837	1,013	792	3,709	2,016
(53)	(76)	(133)	(30)	(4,474)	(2,832)
3,967	2,818	9,759	8,758	6,339	5,410
566	1,448	12,239	11,429	8,589	7,122
289	289	1,344	1,344		
<u>\$ 277</u>	<u>\$ 1,159</u>	<u>\$ 10,895</u>	<u>\$10,085</u>	<u>\$ 8,589</u>	<u>\$ 7,122</u>
\$ 6,810	\$ 6,388	\$ 18,517	\$16,848	\$ 6,809	\$ 6,635
566	1,448	12,239	11,429	8,589	7,122
7,376	7,836	30,756	28,277	15,398	13,757
289	289	1,344	1,344	169	180
763	737	9,225	8,416	6,345	6,768
<u>\$ 6,324</u>	<u>\$ 6,810</u>	<u>\$ 20,187</u>	<u>\$18,517</u>	<u>\$ 8,884</u>	<u>\$ 6,809</u>



**Balance Sheets**December 31,  
(In Thousands)Eastern Utilities  
Associates  
Consolidated

1979 1978

**Assets**

## Utility Plant and Other Investments:

## Utility Plant (at Cost):

## In Service

\$322,684 \$312,601

## Less Accumulated Provision for Depreciation

94,618 87,728

## Net Utility Plant In Service

228,066 224,873

## Construction Work in Progress

61,493 46,790

## Net Utility Plant

289,559 271,663

## Nonutility Property — Net

1,630 992

## Investment in Subsidiary Companies (at equity)

7,401 7,232

## Other Investments (at cost)

67 67

## Total Utility Plant and Other Investments

298,657 279,954

## Current Assets:

## Cash and Temporary Investments

2,187 5,767

## Accounts Receivable:

## Customers — Net of Reserve

25,288 20,507

## Others

879 328

## Associated Companies

## Materials and Supplies (at average cost):

## Fuel

10,702 3,329

## Plant Materials, Operating Supplies and Other

4,646 4,217

## Other Current Assets

559 337

## Total Current Assets

44,261 34,485

## Deferred Debits:

## Unamortized Debt Expense

739 699

## Extraordinary Property Loss

2,065

## Other Deferred Debits

3,875 3,562

## Total Deferred Debits

6,679 4,261

## Total Assets

\$349,597 \$318,700

**Liabilities**

## Capitalization:

## Common Equity

\$ 94,260 \$ 86,299

## Non-Redeemable Preferred Stock of Subsidiaries

15,079 15,079

## Redeemable Preferred Stock of Subsidiaries

5,607 5,921

## Long-Term Debt

123,485 97,870

## Total Capitalization

238,431 205,169

## Current Liabilities:

## Long-Term Debt Due Within One Year

20,770

## Notes Payable — Banks

63,300 50,450

## Accounts Payable — Public

13,336 8,780

## — Associated Companies

## Redeemable Preferred Stock Sinking Fund Requirement

314

## Customer Deposits

1,270 1,143

## Taxes Accrued

2,550 4,051

## Deferred Taxes

1,573 1,522

## Interest Accrued

2,752 1,926

## Other Current Liabilities

533 1,957

## Total Current Liabilities

85,628 90,599

## Deferred Credits:

## Unamortized Investment Credit

10,186 9,673

## Other Deferred Credits

69 336

## Total Deferred Credits

10,255 10,009

## Accumulated Deferred Taxes

15,283 12,923

## Total Liabilities and Capitalization

\$349,597 \$318,700

Financial Information included herein are not intended to represent complete financial statements.

Blackstone Valley  
Electric Company

Eastern Edison  
Company

Montaup Electric  
Company

1979 1978

1979 1978

1979 1978

\$64,811	\$ 62,101	\$ 97,316	\$ 93,631	\$160,556	\$155,527
16,744	15,838	24,189	21,799	53,685	50,091
48,067	46,263	73,127	71,832	106,871	105,436
1,823	2,144	2,039	523	57,632	45,465
49,890	48,407	75,166	72,355	164,503	150,901
51	51	821	110	21	21
		148,859	139,584	7,401	7,232
		51	51		
49,941	48,458	224,897	212,100	171,925	158,154
250	1,499	135	2,148	1,434	1,537
8,254	6,723	10,153	9,832	6,881	3,951
587	8	283	111	3,861	183
203	358	17	18	5,974	4,531
				10,702	3,329
840	805	2,175	1,825	1,629	1,587
152	39	223	118	178	174
10,286	9,432	12,986	14,052	30,659	15,292
22	75	448	477	37	39
				2,065	
1,041	1,593	1,260	1,472	1,260	295
1,063	1,668	1,708	1,949	3,362	334
\$61,290	\$ 59,558	\$239,591	\$228,101	\$205,946	\$173,780
\$16,134	\$ 16,621	\$99,078	\$ 90,279	\$ 72,484	\$ 63,209
6,130	6,130	8,949	8,949	1,500	1,500
		5,607	5,921		
		100,985	81,202	74,875	74,875
22,264	22,751	214,619	186,351	148,859	139,584
25,800	25,000	7,400	15,000	30,100	16,500
134	298	767	8,950	12,304	7,535
3,750	3,218	2,845	654	316	404
		314	2,038		
450	388	820	754		
2,785	2,428	3,572	2,861	51	(1,261)
757	747	815	775		
1,186	831	757	789	105	32
70	59	3	1,880	460	16
34,932	32,969	17,293	33,701	43,336	23,226
1,426	1,794	2,082	2,621	6,678	5,258
24	225	27	30	5	6
1,450	2,019	2,119	2,651	6,683	5,264
2,644	1,819	5,570	5,398	7,068	5,706
\$61,290	\$ 59,558	\$239,591	\$228,101	\$205,946	\$173,780

Eastern Utilities Associates and Subsidiary Companies  
**Statements of Changes in Financial Position**  
Years Ended December 31,

(In Thousands)	Eastern Utilities Associates Consolidated	
	1979	1978
<b>SOURCE OF FUNDS:</b>		
From Operations:		
Income After Interest Charges	\$10,159	\$10,289
Principal Non-Cash Charges (Credits) to Income:		
Depreciation	9,992	9,592
Amortization of Debt Expense and Premium	123	210
Deferred Federal Income Tax	2,360	1,378
Investment Tax Credits, Less Amortization	514	2,751
Equity in Undistributed Earnings of Subsidiaries	(169)	
Allowance for Funds Used During Construction	(6,268)	(3,920)
Total Funds From Operations	16,711	20,300
External Sources:		
Increase (Decrease) in Short Term Notes Payable to Banks	12,850	(1,400)
Procees From Sale of Bonds		
Proceeds From Sale of Notes	42,500	
Proceeds From Sale of Common Stock	7,331	9,001
Other — Net		921
Total Funds From External Sources	62,681	8,522
Total Source of Funds	\$79,392	\$28,822
<b>APPLICATION OF FUNDS:</b>		
Construction Expenditures	\$30,498	\$25,948
Less: Allowance for Funds Used During Construction	(6,268)	(3,920)
Net Construction Expenditures	24,230	22,028
Purchase of Montaup Common Stock		
Purchase of Montaup Bonds		
Retirement of Long-Term Debt	37,637	3,880
Dividends Paid — Preferred Stock	1,633	1,633
— Common Stock	7,738	6,774
Increase (Decrease) in Working Capital	7,142	(5,875)
Other Application — Net	1,012	382
Total Application of Funds	\$79,392	\$28,822
<b>CHANGES IN COMPONENTS OF WORKING CAPITAL</b>		
(Excluding Short-Term Debt):		
Increase (Decrease) in Current Assets:		
Cash and Temporary Investments	\$ (3,580)	\$ 1,938
Accounts Receivable	5,332	(822)
Materials and Supplies	7,802	(2,496)
Other Current Assets	223	(229)
	9,777	(1,609)
Increase (Decrease) in Current Liabilities:		
Accounts Payable	4,557	817
Accrued Taxes	(1,452)	1,177
Other Current and Accrued Liabilities	(470)	2,272
	2,635	4,266
Increase (Decrease) in Working Capital	\$ 7,142	\$ (5,875)

Financial Information included herein are not intended to represent complete financial statements.

Blackstone Valley Electric Company		Eastern Edison Company		Montaup Electric Company	
1979	1978	1979	1978	1979	1978
\$ 566	\$ 1,448	\$12,239	\$11,429	\$ 8,589	\$ 7,122
1,885	1,797	3,170	2,904	4,772	4,746
63	57	39	109	2	2
825	288	172	216	1,362	873
(368)	484	(539)	644	1,420	1,623
		(2,075)	(173)	(169)	
(73)	(89)	(133)	(30)	(6,062)	(3,801)
<u>2,898</u>	<u>3,985</u>	<u>12,873</u>	<u>15,099</u>	<u>9,914</u>	<u>10,565</u>
800		(1,550)	2,475	13,600	(3,875)
		20,000			9,275
		7,133	9,275	7,200	
552	640	214	234		
<u>1,352</u>	<u>640</u>	<u>25,797</u>	<u>11,984</u>	<u>20,800</u>	<u>5,400</u>
<u>\$ 4,250</u>	<u>\$ 4,625</u>	<u>\$38,670</u>	<u>\$27,083</u>	<u>\$30,714</u>	<u>\$15,965</u>
\$ 3,367	\$ 3,355	\$ 6,692	\$ 5,146	\$20,439	\$17,447
(73)	(89)	(133)	(30)	(6,062)	(3,801)
<u>3,294</u>	<u>3,266</u>	<u>6,559</u>	<u>5,116</u>	<u>14,377</u>	<u>13,646</u>
		7,200			
		15,200	9,275		
289	289	1,344	3,880	169	180
763	737	9,225	1,344	6,345	6,768
(307)	87	(893)	8,416	8,858	(4,894)
211	246	35	(953)	965	265
<u>\$ 4,250</u>	<u>\$ 4,625</u>	<u>\$38,670</u>	<u>\$27,083</u>	<u>\$30,714</u>	<u>\$15,965</u>
\$ (1,249)	\$ 870	\$ (2,013)	\$ 1,215	\$ (104)	\$ (268)
1,955	(430)	492	(1,979)	8,050	(2,737)
35	(22)	351	(102)	7,416	(2,372)
114	(2)	105	(3)	5	19
<u>855</u>	<u>416</u>	<u>(1,065)</u>	<u>(869)</u>	<u>15,367</u>	<u>(5,358)</u>
818	(488)	920	(3,621)	4,682	792
367	585	752	1,761	1,312	(1,266)
(23)	232	(1,844)	1,944	515	10
<u>1,162</u>	<u>329</u>	<u>(172)</u>	<u>84</u>	<u>6,509</u>	<u>(464)</u>
<u>\$ (307)</u>	<u>\$ 87</u>	<u>\$ (893)</u>	<u>\$ (953)</u>	<u>\$ 8,858</u>	<u>\$ (4,894)</u>

**Consolidated Capitalization**

December 31,

	1979	1978	1979	1978
<b>Eastern Utilities Associates:</b>				
Common Shares	(In Thousands)		(Capitalization Ratios)	
\$5 par value, authorized 7,000,000 shares, outstanding 5,438,969 shares (1978, 4,835,598 shares)	\$ 27,195	\$ 24,178		
Other Paid-In Capital	44,382	40,068		
Common Shares Expense	(1,103)	(945)		
Retained Earnings	23,786	22,998		
Total Common Equity	94,260	86,299	39.5%	42.1%
<b>Preferred Stock of Subsidiaries:</b>				
<b>Non-Redeemable Preferred:</b>				
Blackstone Valley Electric Company:				
4.25%, \$100 par value 35,000 shares†	3,500	3,500		
5.60%, \$100 par value 25,000 shares†	2,500	2,500		
Premium	129	129		
Eastern Edison Company:				
4.64%, \$100 par value 60,000 shares†	6,000	6,000		
8.32%, \$100 par value 30,000 shares†	3,000	3,000		
Premium	48	48		
Expense	(98)	(98)		
	15,079	15,079	6.3	7.3
<b>Redeemable Preferred:</b>				
Eastern Edison Company:				
13.60%, \$100 par value 60,000 shares†	6,000	6,000		
Premium	8	8		
Expense	(87)	(87)		
Sinking Fund Requirement	(314)			
	5,607	5,921	2.4	2.9
<b>Long-Term Debt:</b>				
Eastern Utilities Associates:				
Collateral Trust Bonds, 3½ % due 1979		2,437		
Serial Notes due 1982		20,000		
Senior Notes 10¼ % due 1999	22,500			
Eastern Edison Company:				
First Mortgage and Collateral Trust Bonds:				
3¾ % due 1983	6,800	6,800		
7¾ % due 1983 (second series)	5,000	5,000		
4½ % due 1983 (third series)	2,196	2,196		
3¾ % due 1985	6,000	6,000		
12 % due 1985 (second series)	19,800	20,000		
4½ % due 1987	3,000	3,000		
4¾ % due 1988	3,000	3,000		
4½ % due 1993	5,000	5,000		
6½ % due 1997	7,000	7,000		
8¾ % due 1999	5,000	5,000		
7¾ % due 2002	8,000	8,000		
8¾ % due 2003	10,000	10,000		
Note Payable due 1979		15,000		
Note Payable due 1984 (Prime × 104.8%)	5,000			
Note Payable due 1985 (Prime × 109%)	15,000			
Unamortized Premium	189	207		
	123,485	118,640		
Less Portion Due Within One Year		20,770		
Total	123,485	97,870	51.8	47.7
Total Capitalization	\$238,431	\$205,169	100.0%	100.0%

† Authorized and outstanding.

Financial Information included herein are not intended to constitute complete financial statements.



# EUA System Consolidated Operating Statistics

	1979	1978
<b>Energy Generated and Purchased (millions kwh):</b>		
Generated — by EUA System	792	660
— by Equity-Owned Nuclear Units	479	530
— by Jointly-Owned Units	1,795	1,865
Interchange with NEPOOL	(600)	(620)
Purchased Power — Unit Power	1,649	1,490
Total Generated and Purchased	<u>4,115</u>	<u>3,925</u>
<b>Operating Revenues (thousands):</b>		
Residential	\$ 63,468	\$ 56,613
Commercial	53,012	46,976
Industrial	38,192	32,440
Other Electric Utilities	12,435	10,220
Other	7,502	7,505
Total Primary Sales Revenues	<u>174,609</u>	<u>153,754</u>
Unit Contracts	11,266	5,441
Total Operating Revenues	<u>\$185,875</u>	<u>\$159,195</u>
<b>Energy Sales (millions kwh):</b>		
Residential	1,150	1,123
Commercial	1,052	1,011
Industrial	859	815
Other Electric Utilities	398	403
Other	44	49
Total Primary Sales	<u>3,503</u>	<u>3,401</u>
Losses and Company Use	226	290
Total System Requirements	<u>3,729</u>	<u>3,691</u>
Unit Contracts	386	234
Total Energy Sales	<u>4,115</u>	<u>3,925</u>
<b>Number of Customers at December 31:</b>		
Residential	201,435	198,910
Commercial	20,073	19,781
Industrial	1,222	1,213
Other Electric Utilities	16	15
Other	150	171
Total Customers	<u>222,896</u>	<u>220,090</u>
Average Revenue per Residential Customer (\$)	315	285
Average Use per Residential Customer (kwh)	5,708	5,646
<b>Average Revenue per KWH:</b>		
Residential	5.52¢	5.04¢
Commercial	5.04¢	4.65¢
Industrial	4.44¢	3.98¢

## Capability (kw) at Time of Peak Load

(12-19-79)

Somerset Station — Steam	252,100
— Jets	48,000
Canal No. 2	292,000
Wyman No. 4	12,100
Nuclear	149,400
Other — Purchases	242,700
Total	<u>996,300</u>
Less Unit Sales	88,400
Net Available to EUA System	<u>907,900</u>
1979 EUA Peak Load	<u>677,200</u>
Reserve Capacity	<u>230,700</u>



**Eastern Utilities Associates**

A Massachusetts Voluntary Association

99 High Street, Boston, Massachusetts

Telephone: (617) 357-9590

Mailing Address: P.O. Box 2333, Boston 02107

# EASTERN UTILITIES ASSOCIATES

ANNUAL REPORT 1979

WOONSOCKET

PAWTUCKET

CENTRAL FALLS

CUMBERLAND

LINCOLN

NORTH SMITHFIELD

BURRILLVILLE

FALL RIVER

SOMERSET

SWANSEA

DIGHTON

WESTPORT

STOUGHTON

AVON

EASTON

BROCKTON

WEST BRIDGEWATER

ABINGTON

ROCKLAND

WHITMAN

HANOVER

NORWELL

COHASSET

SCITUATE

PEMBROKE

HALIFAX

BRIDGEWATER

POOR ORIGINAL

EAST BRIDGEWATER

HANSON



Eastern Utilities Associates is the parent company for two retail electric companies, a wholesale generation and transmission company and a service company. The EUA System furnishes electric service to portions of Southeastern Massachusetts and Northern Rhode Island.

The name Eastern Utilities Associates is the designation of the Trustees for the time being under a Declaration of Trust dated April 2, 1928, as amended, and all persons dealing with Eastern Utilities Associates must look solely to the trust property for the enforcement of any claims against Eastern Utilities Associates as neither the Trustees, officers nor shareholders assume any personal liability for obligations entered into on behalf of Eastern Utilities Associates.

Eastern Utilities Associates  
99 High Street  
Boston, Mass. 02110  
(617) 357-9590

Blackstone Valley Electric Company  
Washington Highway  
Lincoln, R.I. 02865  
(401) 333-1400

Eastern Edison Company  
36 Main Street  
Brockton, Mass. 02403  
(617) 580-1213

Montaup Electric Company  
1606 Riverside Ave.  
Somerset, Mass. 02726  
(617) 678-5283

EUA Service Corporation  
99 High Street  
Boston, Mass. 02110  
(617) 357-9590

## The Cover

Eastern Utilities Associates' two retail subsidiaries, Eastern Edison Company and Blackstone Valley Electric, serve 29 cities and towns in Massachusetts and Rhode Island. They share a heritage unique in the history of our country. The illustrations in this Annual Report reflect this sense of tradition and economic growth.

## Annual Meeting

The 1980 Annual Shareholders Meeting will be held on Tuesday, April 22, 1980 at 10 a.m. in the Board Room on the 33rd Floor at State Street Bank and Trust Company, 225 Franklin Street, Boston, Mass.