

**The Commonwealth of Massachusetts**

**Return**

**of the**

**Municipal Light Department of**

**the Town of**

**GROTON**

**to the**

**Department of Public Utilities**

**of Massachusetts**

**For the Year ended December 31,**

**2022**

STATE OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC UTILITIES

Name of officer to whom correspondence should  
be addressed regarding this report:

Official title: Manager

Kevin Kelly

Office address: 23 Station Ave

Groton, MA 01450

GOULET, SALVIDIO  
& ASSOCIATES, P.C.  
CERTIFIED PUBLIC ACCOUNTANTS

The Board of Commissioners  
Groton Electric Light Department  
Groton, Massachusetts 01450

Management is responsible for the accompanying financial statements of Groton Electric Light Department which comprise the balance sheet as of December 31, 2022, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. We do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements included in the accompanying prescribed form.

The financial statements included in the accompanying prescribed form are presented in accordance with the requirements of the Massachusetts Department of Public Utilities, and are not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

This report is intended solely for the information and use of Groton Electric Light Department and the Massachusetts Department of Public Utilities, and is not intended to be and should not be used by anyone other than these specified parties.

Goulet, Salvidio & Associates P.C.

*Goulet, Salvidio & Associates, P.C.*

Worcester, Massachusetts  
April 4, 2022

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## FOR GAS PLANTS ONLY:

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## GENERAL INFORMATION

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1. Name of town (or city) making report.	Groton	
2. If the town (or city) has acquired a plant, Kind of plant, whether gas or electric.	Electric	
Owner from whom purchased, if so acquired.		
Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws.	March 20, 1909 July 22, 1909	
Record of votes: First vote: Yes, 94; No, 8 Second vote: Yes, 105; No, 6		
Date when town (or city) began to sell gas and electricity,	November 20, 1909	
3. Name and address of manager of municipal lighting:		
Kevin Kelly	c/o GELD - 23 Station Ave	Groton, MA 01450
4. Name and address of mayor or selectmen:		
Rebecca Pine	Groton, MA	
Alison Manugian	Groton, MA	
Peter Cunningham	Groton, MA	
John Reilly	Groton, MA	
Matthew Pisani	Groton, MA	
5. Name and address of town (or city) treasurer:		
Hannah Moller	Groton, MA	
6. Name and address of town (or city) clerk:		
Dawn Dunbar	Groton, MA	
7. Names and addresses of members of municipal light board:		
Rodney R. Hersh	Groton, MA	
Kevin J. Lindemer	Groton, MA	
Eric Fisher	Groton, MA	
8. Total valuation of estates in town (or city) according to last State valuation (taxable)	\$	2,503,884,128
9. Tax rate for all purposes during the year:	\$	15.64
10. Amount of manager's salary:	\$	213,618
11. Amount of manager's bond:	\$	100,000
12. Amount of salary paid to members of municipal light board (each):		0.00

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR, ENDING DECEMBER 31, NEXT.

		Amount
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas	
2	From sales of electricity	12,600,000
3		
	<b>TOTAL</b>	12,600,000
4		
5	<b>EXPENSES</b>	
6	For operation, maintenance and repairs	11,500,000
7	For interest on bonds, notes or scrip	
8	For depreciation fund ( 3 %                      20,629,337      as per page 8B)	618,880
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	240,000
12	For loss in preceding year	
13		
	<b>TOTAL</b>	12,358,880
14		
15	<b>COST:</b>	
16	Of gas to be used for municipal buildings	
17	Of gas to be used for street lights	
18	Of electricity to be used for municipal buildings	586,000
19	Of electricity to be used for street lights	12,000
20	Total of above items to be included in the tax levy	598,000
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	598,000

**CUSTOMERS**

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.		Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.	
City or Town	Number of Customers' Meters, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31
		Groton/West Groton	5,011
		Littleton	6
		Westford	6
		Pepperell	16
		Ayer	1
<b>TOTAL</b>	0	<b>TOTAL</b>	5,040

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

(Include also all items charge direct to tax levy, even where no appropriation is made or required.)

**FOR CONSTRUCTION OR PURCHASE OF PLANT**

\*At meeting , to be paid from \*\*  
\*At meeting , to be paid from \*\*

TOTAL 0

**FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY  
TO BE USED BY THE CITY OR TOWN FOR:**

- 1. Street lights 12,000
- 2. Municipal buildings 586,000
- 3.

TOTAL 598,000

\* Date of meeting and whether regular or special

\*\* Here insert bonds, notes or tax levy

**CHANGES IN THE PROPERTY**

- 1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

**In electric property:** Not Applicable

**In gas property:** Not applicable

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	When Payable			
July 22, 1909	September 11, 1909	4,500					
July 22, 1909	November 1, 1909	6,000					
July 22, 1909	November 1, 1909	4,500					
November 2, 1909	December 1, 1909	2,000					
November 2, 1909	January 1, 1910	860					
November 2, 1909	January 1, 1910	1,000					
November 20, 1973	July 1, 1975	585,000					
May 1, 2000	July 15, 2001	750,000					
May 19, 2014	August 1, 2014	2,000,000	95,000	annual	variable	semi-annual	1,390,000
	TOTAL	3,353,860				TOTAL	1,390,000

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

\* Date of meeting and whether regular or special

\*\* List original issues of bonds and notes including those that have been repaid





TOTAL COST OF PLANT - ELECTRIC							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines and Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0	0	0	0	0	0
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	0	0	0	0	0	0

1. Report below the cost of utility plant in service according to prescribed accounts

2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.

3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.

4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

TOTAL COST OF PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators	183,620	0	0			183,620
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	183,620	0	0	0	0	183,620
19	Total Production Plant	183,620	0	0	0	0	183,620
20	3. Transmission Plant						
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	0	0	0	0	0	0

TOTAL COST OF PLANT (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	852,002	0	0			852,002
3	361 Structures and Improvements	502,012	0	0			502,012
4	362 Station Equipment	1,806,768	0	0			1,806,768
5	363 Storage Battery Equipment	0	0	0			0
6	364 Poles Towers and Fixtures	2,404,120	36,962	(24,860)			2,416,222
7	365 Overhead Conductors and Devices	4,337,218	199,387	0			4,536,605
8	366 Underground Conduit	400,536	10,150	0			410,686
9	367 Underground Conductors and Devices	774,163	21,477	0			795,640
10	368 Line Transformers	1,327,190	56,601	(13,028)			1,370,763
11	369 Services	243,872	0	0			243,872
12	370 Meters	882,418	845,545	(882,418)			845,545
13	371 Installations on Customer's Premises	37,184	0	0			37,184
14	372 Leased Prop on Customer's Premises	17,393	0	0			17,393
15	373 Streetlight and Signal Systems	284,293	6,662	0			290,955
16	Total Distribution Plant	13,869,169	1,176,784	(920,306)	0	0	14,125,647
17	5. GENERAL PLANT						
18	389 Land and Land Rights	366,000	0	0			366,000
19	390 Structures and Improvements	4,700,054	0	0			4,700,054
20	391 Office Furniture and Equipment	138,547	5,491	0			144,038
21	392 Transportation Equipment	1,732,711	199,004	(110,000)			1,821,715
22	393 Stores Equipment	20,799	0	0			20,799
23	394 Tools, Shop and Garage Equipment	81,293	0	0			81,293
24	395 Laboratory Equipment	27,500	0	0			27,500
25	396 Power Operated Equipment	214,463	0	0			214,463
26	397 Communication Equipment	8,897	0	0			8,897
27	398 Miscellaneous Equipment	153,313	0	0			153,313
28	399 Other Tangible Property	0	0	0			0
29	Total General Plant	7,443,577	204,495	(110,000)	0	0	7,538,072
30	Total Electric Plant in Service	21,496,366	1,381,279	(1,030,306)	0	0	21,847,339
31						Total Cost of Electric Plant.....	21,847,339
32						Less Cost of Land, Land Rights, Rights of Way.....	1,218,002
33						Total Cost upon which Depreciation is based .....	20,629,337
34							

The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.

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<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>UTILITY PLANT</b>			
2	101	Utility Plant - Electric (P. 17)	14,501,073	14,995,188	494,115
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	14,501,073	14,995,188	494,115
6					
7					
8					
9					
10					
11		<b>FUND ACCOUNTS</b>			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	200,170	575	(199,595)
14	128	Other Special Funds	1,500,439	1,092,189	(408,250)
15		Total Funds	1,700,609	1,092,764	(607,845)
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	360,535	629,971	269,436
18	132	Special Deposits	237,800	253,437	15,637
19	135	Working Funds	500	500	0
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	975,780	1,283,362	307,582
22	143	Other Accounts Receivable	174,828	230,465	55,637
23	146	Receivables from Municipality	0	0	0
24	151	Materials and Supplies (P. 14)	674,215	826,738	152,523
25					
26	165	Prepayments	1,085,021	1,126,623	41,602
27	174	Miscellaneous Current Assets	8,256	8,256	0
28		Total Current and Accrued Assets	3,516,935	4,359,352	842,417
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,128,234	1,331,850	203,616
33		Total Deferred Debits	1,128,234	1,331,850	203,616
34					
35		Total Assets and Other Debits	20,846,851	21,779,154	932,303

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>APPROPRIATIONS</b>			
2	201	Appropriations for Construction	0	0	0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves	0	0	0
5	206	Loans Repayment	1,947,020	2,047,020	100,000
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	7,160,569	7,639,241	478,672
8		Total Surplus	9,107,589	9,686,261	578,672
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	1,390,000	1,290,000	(100,000)
11	231	Notes Payable (P. 7)	0	503,413	503,413
12		Total Bonds and Notes	1,390,000	1,793,413	403,413
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	1,411,856	1,464,801	52,945
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	226,041	239,486	13,445
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	0	0	0
19	242	Miscellaneous Current and Accrued Liabilities	274,880	259,203	(15,677)
20		Total Current and Accrued Liabilities	1,912,777	1,963,490	50,713
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	37,914	34,901	(3,013)
23	252	Customer Advances for Construction	85,430	106,938	21,508
24	253	Other Deferred Credits	703,203	1,434,952	731,749
25		Total Deferred Credits	826,547	1,576,791	750,244
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	3,049	2,371	(678)
28	261	Property Insurance Reserve	137,116	139,607	2,491
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	4,923,535	4,471,030	(452,505)
31	265	Miscellaneous Operating Reserves	1,363,323	887,086	(476,237)
32		Total Reserves	6,427,023	5,500,094	(926,929)
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	1,182,915	1,259,105	76,190
35		Total Liabilities and Other Credits	20,846,851	21,779,154	932,303

State below if any earning of the municipal lighting plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used, and the amount thereof.

<b>STATEMENT OF INCOME FOR THE YEAR</b>			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	13,029,061	1,929,086
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	10,510,992	1,069,471
5	402 Maintenance Expense	1,216,598	228,189
6	403 Depreciation Expense	608,351	6,235
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	12,335,941	1,303,895
11	Operating Income	693,120	625,191
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	693,120	625,191
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	26,510	(30,285)
17	419 Interest Income	(72,856)	(67,104)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	(46,346)	(97,389)
20	Total Income	646,774	527,802
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	(40,701)	(3,494)
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(40,701)	(3,494)
25	Income Before Interest Charges	687,475	531,296
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	55,316	(3,344)
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt - Credit	(3,013)	0
30	431 Other Interest Expense	21,347	4,647
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	73,650	1,303
33	<b>NET INCOME</b>	613,825	529,993
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		7,160,569
35			
36			
37	433 Balance Transferred from Income	0	613,825
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	0	
40	436 Appropriations of Surplus (P. 21)	135,153	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	7,639,241	
43			
44	<b>TOTALS</b>	7,774,394	7,774,394

<b>CASH BALANCES AT END OF YEAR</b>					
Line No.	Items (a)	Amount (b)			
1	Operation Fund	629,971			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12	<b>TOTAL</b>	629,971			
<b>MATERIALS AND SUPPLIES (Accounts 151-159, 163) Summary per Balance Sheet</b>					
Line No.	Account (a)	Amount End of Year			
		Electric (b)	Gas (c)		
13	Fuel (Account 151 ) (See Schedule, Page 25)	826,738			
14	Fuel Stock Expenses (Account 152)				
15	Residuals (Account 153)				
16	Plant Materials and Operating Supplies (Account 154 (151))				
17	Merchandise (Account 155)				
18	Other Materials and Supplies (Account 156)				
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)				
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)				
21	Nuclear Byproduct Materials (Account 159)				
22	Stores Expense (Account 163)				
23	Total Per Balance Sheet			826,738	0
<b>DEPRECIATION FUND ACCOUNT (Account 126)</b>					
Line No.	(a)	Amount (b)			
24	<b>DEBITS</b>				
25	Balance of account at beginning of year	201,170			
26	Income during year from balance on deposit (interest)	405			
27	Amount transferred from income (depreciation)	608,351			
28	Bond Proceeds	0			
29	<b>TOTAL</b>	809,926			
30	<b>CREDITS</b>				
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	809,351			
32	Amount expended for bond payment	0			
33					
34					
35					
36					
37					
38					
39	Balance on hand at end of year	575			
40	<b>TOTAL</b>	809,926			



		UTILITY PLANT - ELECTRIC						
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c).		effect of such amounts.		4. Reclassifications or transfers within utility plant accounts should be shown in column (f).		
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)	
1	1. INTANGIBLE PLANT							
2								
3								
4		0	0	0	0	0	0	
5								
6	2. PRODUCTION PLANT							
7	A. Steam Production							
8	310 Land and Land Rights							
9	311 Structures and Improvements							
10	312 Boiler Plant Equipment							
11	313 Engines and Engine Driven Generators							
12	314 Turbogenerator Units							
13	315 Accessory Electric Equipment							
14	316 Miscellaneous Power Plant Equipment							
15	Total Steam Production Plant	0	0	0	0	0	0	
16	B. Nuclear Production Plant							
17	320 Land and Land Rights							
18	321 Structures and Improvements							
19	322 Reactor Plant Equipment							
20	323 Turbogenerator Units							
21	324 Accessory Electric Equipment							
22	325 Miscellaneous Power Plant Equipment							
23	Total Nuclear Production Plant	0	0	0	0	0	0	

UTILITY PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators	178,111	0	5,509		0	172,602
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	178,111	0	5,509	0	0	172,602
19	Total Production Plant	178,111	0	5,509	0	0	172,602
20	3. Transmission Plant						
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	0	0	0	0	0	0

UTILITY PLANT -- ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	852,002	0	0		0	852,002
3	361 Structures and Improvements	267,490	0	15,060		0	252,430
4	362 Station Equipment	693,026	0	54,204		0	638,822
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	582,127	36,962	72,124		0	546,965
7	365 Overhead Conductors and Devices	2,675,554	199,387	137,955		855,945	3,592,931
8	366 Underground Conduit	190,368	10,150	12,016		0	188,502
9	367 Underground Conductors and Devices	469,242	21,477	23,225		0	467,494
10	368 Line Transformers	740,314	56,601	39,816		0	757,099
11	369 Services	0	0	0		0	0
12	370 Meters	882,415	845,545	26,470		(855,945)	845,545
13	371 Installations on Customer's Premises	26,844	0	1,116		0	25,728
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	71,758	6,662	8,529		0	69,891
16	Total Distribution Plant	7,451,140	1,176,784	390,515	0	0	8,237,409
17	5. GENERAL PLANT						
18	389 Land and Land Rights	366,000	0	0		0	366,000
19	390 Structures and Improvements	3,975,290	0	141,002		0	3,834,288
20	391 Office Furniture and Equipment	116,573	5,491	4,156		0	117,908
21	392 Transportation Equipment	1,676,495	199,004	51,981		0	1,823,518
22	393 Stores Equipment	9,189	0	624		0	8,565
23	394 Tools, Shop and Garage Equipment	12,659	0	2,439		0	10,220
24	395 Laboratory Equipment	7,109	0	825		0	6,284
25	396 Power Operated Equipment	66,365	0	6,434		0	59,931
26	397 Communication Equipment	7,473	0	267		0	7,206
27	398 Miscellaneous Equipment	93,304	0	4,599		0	88,705
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	6,330,457	204,495	212,327	0	0	6,322,625
30	Total Electric Plant in Service	13,959,708	1,381,279	608,351	0	0	14,732,636
31	104 Utility Plant Leased to Others	0				0	0
32	105 Property Held for Future Use	0				0	0
33	107 Construction Work in Progress	541,365	601,864	0	0	(880,677)	262,552
34	Total Utility Plant Electric	14,501,073	1,983,143	608,351	0	(880,677)	14,995,188

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**

(Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil		
			Quantity (c)	Cost (d)	Quantity (e)
1	On Hand Beginning of Year	0			
2	Received During Year	0			
3	TOTAL	0			
4	Used During Year (Note A)	0			
5					
6					
7					
8					
9					
10					
11	Sold or Transferred	0			
12	TOTAL DISPOSED OF	0			
13	BALANCE END OF YEAR	0			
Kinds of Fuel and Oil - continued					
Line No.	Item (g)	Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year				
15	Received During Year				
16	TOTAL				
17	Used During Year (Note A)				
18					
19					
20					
21					
22					
23					
24	Sold or Transferred				
25	TOTAL DISPOSED OF				
26	BALANCE END OF YEAR				

Note A -- Indicate specific purpose for which used, e.g., Boiler Oil, Make Oil, Generator Fuel, etc.

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	<b>TOTAL</b>	0
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	0
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	<b>TOTAL</b>	0
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	0
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	Payment to Town in Lieu of Taxes	35,153
34	Loan Repayments	100,000
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	135,153

<b>MUNICIPAL REVENUES (Account 482,444)</b> (K.W.H. Sold under the provision of Chapter 269, Acts of 1927)						
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)	
1						
2						
3						
4		<b>TOTALS</b>				
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5	444-2	Municipal (Other than Street Lighting)	4,624,931	854,028	0.1847	
6						
7						
8						
9						
10						
11						
12		<b>TOTALS</b>	4,624,931	854,028	0.1847	
13	444-1	Street Lighting	79,036	12,000	0.1518	
14						
15						
16						
17						
18		<b>TOTALS</b>	79,036	12,000	0.1518	
19		<b>TOTALS</b>	4,703,967	866,028	0.1841	
<b>PURCHASED POWER (Account 555)</b>						
Line No.		Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H (c)	Amount (d)	Cost per KWH (cents) (0.0000) (e)
20						
21						
22						
23						
24						
25						
26						
27						
28						
29		<b>TOTALS</b>		0	0	
<b>SALES FOR RESALE (Account 447)</b>						
Line No.		Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
30						
31						
32						
33						
34						
35						
36						
37						
38						
39		<b>TOTALS</b>		0	0	



**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440.000	Domestic	44,335,682	7,426,020	0.1675	4,288	4,283
2	440.000	House Heating	2,551,285	423,030	0.1658	186	184
3	442.000	Commercial	11,782,068	2,242,472	0.1903	309	306
4	442.000	Large Commercial	5,952,100	1,111,661	0.1868	2	2
5	444.000	Street Lighting	79,036	12,000	0.1518	1	1
6	444.000	Municipal	4,624,931	854,028	0.1847	62	61
7	444.000	Not for Profit	2,372,079	425,603	0.1794	38	38
8	445.000	Private Yard Lights	142,145	35,916	0.2527	10	8
9	446.000	Residential Farm	127,450	18,890	0.1482	9	9
10	446.000	Commercial Farm	506,349	90,458	0.1786	18	18
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			72,473,125	12,640,078	0.1744	4,923	4,910



<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
1. Enter in the space provided the operation and maintenance expenses for the year			
2. If the increases and decreases are not derived from previously reported figures, explain in footnote			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	0	0
5	501 Fuel	0	0
6	502 Steam Expenses	0	0
7	503 Steam from other sources	0	0
8	504 Steam transferred -- Cr.	0	0
9	505 Electric expenses	0	0
10	506 Miscellaneous steam power expenses	0	0
11	507 Rents	0	0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	0	0
16	512 Maintenance of boiler plant	0	0
17	513 Maintenance of electric plant	0	0
18	514 Maintenance of miscellaneous steam plant	0	0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance or reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	1,636	110
14	548 Generation Expenses	0	0
15	549 Miscellaneous other power generation expense	0	0
16	550 Rents	0	0
17	Total Operation	1,636	110
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	0	0
21	553 Maintenance of generating and electric plant	0	0
22	554 Maintenance of miscellaneous other power generation plant	0	0
23	Total Maintenance	0	0
24	Total power production expenses - other power	1,636	110
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	3,707,522	(608,471)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	3,707,522	(608,471)
30	Total power production expenses	3,709,158	(608,471)
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	4,786,922	1,805,698
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	4,786,922	1,805,698
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	0	0
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	0	0
48	573 Maintenance of miscellaneous transmission plant	0	0
49	Total maintenance	0	0
50	Total transmission expenses	4,786,922	1,805,698

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	0	0
4	581 Load dispatching (Operation Labor) Transportation	44,038	(24,217)
5	582 Station expenses	38,004	4,619
6	583 Overhead line expenses	12,324	(4,773)
7	584 Underground line expenses	2,564	(257)
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	5,599	771
10	587 Customer installations expenses	694	694
11	588 Miscellaneous distribution expenses	36,869	7,235
12	589 Rents	1,218	58
13	Total operation	141,310	(15,870)
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	0	0
18	593 Maintenance of overhead lines	1,111,032	209,885
19	594 Maintenance of underground lines	1,858	(3,552)
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	1,763	(2,547)
22	597 Maintenance of meters	57,308	29,647
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	1,171,961	233,433
25	Total distribution expenses	1,313,271	217,563
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	97,875	15,015
30	903 Customer records and collection expenses	194,493	3,950
31	904 Uncollectible accounts	(488)	(223)
32	905 Miscellaneous customer accounts expenses	32,620	(2,326)
33	Total customer accounts expenses	324,500	16,416
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	40,899	(1,118)
40	Total sales expenses	40,899	(1,118)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	327,427	26,609
44	921 Office supplies and expenses	67,395	1,727
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	107,231	65,295
47	924 Property insurance	75,969	5,215
48	925 Injuries and damages	13,304	(11,846)
49	926 Employee pensions and benefits	874,089	(234,847)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	42,788	20,553
53	931 Rents	0	0
54	Total operation	1,508,203	(127,294)

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>			
2	Maintenance:			
3	932 Maintenance of general plant	44,637	(5,244)	
4	Total administrative and general expenses	1,552,840	(132,538)	
5	Total Electric Operation and Maintenance Expenses	11,727,590	1,297,550	
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	<b>Power Production Expenses</b>			
7	Electric Generation:			
8	Steam Power:	0	0	0
9	Nuclear Power	0	0	0
10	Hydraulic Power	0	0	0
11	Other Power	1,636	0	1,636
12	Other Power Supply Expenses	3,707,522	0	3,707,522
13	Total power production expenses	3,709,158	0	3,709,158
14	Transmission Expenses	4,786,922	0	4,786,922
15	Distribution Expenses	141,310	1,171,961	1,313,271
16	Customer Accounts Expenses	324,500	0	324,500
17	Sales Expenses	40,899	0	40,899
18	Administrative and General Expenses	1,508,203	44,637	1,552,840
19	Total Electric Operation and			
20	Maintenance Expenses	10,510,992	1,216,598	11,727,590
21	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)			94.68%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.		\$	1,595,450
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			12

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TAXES CHARGED DURING THE YEAR									
Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1	NONE								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	TOTALS								

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.  
 2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts

3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.  
 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (f). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.

5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.  
 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

<b>INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)</b> Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing, and contract work during the year.					
Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				0
3	allowances and returns				0
4	Contract work				26,510
5	Commissions				0
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	0	0	0	26,510
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs				
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	0	0	0	26,510





SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes

integrated).

6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
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								33
								34
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								36
								37
								38
								39
								40
	TOTALS:	0	0.00	0.00		0.00		41



PURCHASED POWER (Account 555)  
(EXCEPT INTERCHANGE POWER)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of kilowatt hours purchased should be the quantities shown by the power bills.

7. Explain any amount entered in column (n) such as fuel or other adjustments.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges	Other Charges (n) **	Total (o)		
60 MINUTES	69 kv	4,492,001	34,156	27,836	155,573	217,565	\$0.0484	1
60 MINUTES	69 kv	65,492	39,878	16,333	1,839	58,050	\$0.8864	2
60 MINUTES	69 kv	835,979	108,809	92,157	3,045	204,011	\$0.2440	3
60 MINUTES	69 kv	172,875	3,859	792	13	4,664	\$0.0270	4
60 MINUTES	69 kv	1,408,500	46,882	8,753	2,142	57,777	\$0.0410	5
60 MINUTES	69 kv	887,653	29,427	5,516	1,350	36,293	\$0.0409	6
60 MINUTES	69 kv	3,492,236	76,885	15,994	253	93,132	\$0.0267	7
60 MINUTES	69 kv	428,678	9,717	1,963	31	11,711	\$0.0273	8
60 MINUTES	69 kv	9,975,434	220,586	45,687	725	266,998	\$0.0268	9
								10
60 MINUTES	69 kv	0	0	0	9,701	9,701	N/A	11
60 MINUTES	69 kv	0	0	0	420,504	420,504	N/A	12
								13
60 MINUTES	69 kv	0	0	0	1,678,941	1,678,941	N/A	14
		2,364,000	0	84,244	0	84,244	\$0.0356	15
60 MINUTES	69 kv	1,793,155	391,026	0	0	391,026	\$0.2181	16
60 MINUTES	69 kv	1,230,614	0	55,239	296	55,535	\$0.0451	17
60 MINUTES	69 kv	8,160,000	0	378,120	600	378,720	N/A	18
		0	0	0	(476,237)	(476,237)	N/A	19
		0	0	0	112,323	112,323	N/A	20
		0	0	0	963	963	N/A	21
		3,726,639	0	0	202,506	202,506	\$0.0543	22
					(64,972)	(64,972)	N/A	23
		0	(14,046)	0	(21,887)	(35,933)	N/A	24
								25
								26
								27
								28
								29
								30
	TOTALS:	39,033,256	947,179	732,634	2,027,709	3,707,522		31

**INTERCHANGE POWER (Included In Account 555)**

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.  
 2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).  
 3. Particulars of settlements for interchange power

shall be furnished in Part B. Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling, coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

**A. Summary of Interchange According to Companies and Points of Interchange**

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours		Net Difference (g)	Amount of Settlement (h)
					Received (a)	Delivered (f)		
1	NEPEX		LOWELL ROAD	69kv	76,478,370	39,202,940	37,275,430	4,786,922
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
					TOTALS	39,202,940	76,478,370	4,786,922

**B. Details of Settlement for Interchange Power**

Line No.	Explanation (i)	Amount (k)
13		
14		
15		
16	INTERCHANGE EXPENSE	4,631,080
17	NEPOOL EXPENSE	155,842
18		
19		
20		
21		
	TOTAL	4,786,922

<b>ELECTRIC ENERGY ACCOUNT</b>				
Report below the information called for concerning the disposition of electric energy generated, purchased and interchanged for the year.				
Line No.	Item (a)			Kilowatt-hours (b)
1	<b>SOURCES OF ENERGY</b>			
2	Generation			
3	Steam			
4	Nuclear			
5	Hydro			
6	Other			
7	Total Generation			0
8	Purchases			39,033,256
9		( In (gross)	76,478,370	
10	Interchanges	< Out (gross)	39,202,940	
11		( Net (Kwh)		37,275,430
12		( Received		
13	Transmission for/by others (wheeling)	< Delivered		
14		( Net (Kwh)		0
15	<b>TOTAL</b>			<b>76,308,686</b>
16	<b>DISPOSITION OF ENERGY</b>			
17	Sales to ultimate consumers (including interdepartmental sales)			72,473,125
18	Sales for resale			0
19	Energy furnished without charge			0
20	Energy used by the company (excluding station use):			
21	Electric department only			155,732
22	Energy losses			
23	Transmission and conversion losses		0	
24	Distribution losses	4.82%	3,679,829	
25	Unaccounted for losses			
26	Total energy losses			3,679,829
27	Energy losses as percent of total on line			4.82%
28			<b>TOTAL</b>	<b>76,308,686</b>

**MONTHLY PEAKS AND OUTPUT**

- |   |  |
|---|--|
| <p>1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.</p> <p>2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation</p> | <p>as to the nature of the emergency.</p> <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)</p> <p>4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.</p> <p>5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.</p> |
|---|--|

**Town of Groton**

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	13,567	Saturday	15	6:00 PM	60 min	7,623,543
30	February	12,569	Sunday	6	7:00 PM	60 min	6,214,546
31	March	11,243	Friday	4	7:00 PM	60 min	6,068,251
32	April	9,700	Thursday	28	5:00 PM	60 min	5,369,068
33	May	16,255	Sunday	22	7:00 PM	60 min	5,933,626
34	June	15,018	Sunday	26	7:00 PM	60 min	6,217,765
35	July	16,911	Sunday	24	10:00 PM	60 min	7,665,624
36	August	18,470	Monday	8	9:00 PM	60 min	7,809,681
37	September	12,512	Friday	2	8:00 PM	60 min	5,512,755
38	October	9,517	Monday	24	8:00 PM	60 min	5,360,356
39	November	12,442	Tuesday	8	7:00 PM	60 min	5,664,462
40	December	17,632	Thursday	15	6:00 PM	60 min	6,869,009
41						<b>TOTAL</b>	<b>76,308,686</b>

<b>GENERATING STATIONS</b>						<b>Pages 58 through 66</b>
<b>GENERATING STATION STATISTICS (Large Stations)</b> (Except Nuclear)						<b>Pages 58-59</b>
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
<b>STEAM GENERATING STATIONS</b>						<b>Pages 60-61</b>
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
<b>HYDROELECTRIC GENERATING STATIONS</b>						<b>Pages 62-63</b>
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
<b>COMBUSTION ENGINE AND OTHER GENERATING STATIONS</b>						<b>Pages 64-65</b>
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
<b>GENERATING STATION STATISTICS (Small Stations)</b>						<b>Page 66</b>
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						

<b>TRANSMISSION LINE STATISTICS</b>								
Report information concerning transmission line as indicated below.								
Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1								
2	None							
3								
4								
5								
6								
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36								
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40								
41								
42								
43								
44								
45								
46								
47	TOTALS				0		0	

\* where other than 60 cycle, 3 phase, so indicate.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment			
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)	
1	Lowell Road	Lowell Road	69 KV	13.8 KV		50,000	2	1	Regulated	0	0	
2												
3												
4												
5												
6												
7												
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22												
23												
24												
25												
26	<b>TOTALS</b>						50,000	2	1			

1. Report below the information called for concerning substations of the respondent as of the end of the year.  
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.  
 3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.  
 4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.  
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.



**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	117.466		117.466
2	Added During Year	0.076		0.076
3	Retired During Year	0.000		0.000
4	Miles -- End of Year	117.542	0.00	117.542
5				
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9	120/240	1	0 AC	
10	240/480	3	0 AC	
11	120/208	3	0 AC	
12	277/480	3	0 AC	
13	7970	1	0 AC	
14		3	0 AC	
15	2400	3	0 AC	

**ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS**

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	4,915	6,553	1,854	69,274.5
17	Additions during year:				
18	Purchased	0	3,937	88	2,078.5
19	Installed	51	0	0	0.0
20	Associated with utility plant acquired			0	0.0
21	Total Additions	51	3,937	88	2,078.5
22	Reductions during year:				
23	Retirements	0	5,284	21	580.0
24	Associated with utility plant sold				
25	Total Reductions	0	5,284	21	580.0
26	Number at end of year	4,966	5,206	1,921	70,773.0
27	In stock		166	183	9,494.0
28	Locked meters on customers' premises				0.0
29	Inactive transformers on system				0.0
30	In customers' use		5,028	1,736	61,224.0
31	In company's use		12	2	55.0
32	Number at end of year		5,206	1,921	70,773.0

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)					
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.					
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable
			Miles* (c)	Operating Voltage (d)	Feet* (e)
1	Underground Distribution Systems	43.851 Miles	45.539	2,417.96/13.8KVA	
2					
3					
4					
5					
6					
7					
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33					
34	<b>SUBTOTALS</b>	<b>43.851 Miles</b>	<b>45.539</b>		<b>0</b>

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type								
			LED		Mercury Vapor		Florescent & Quartz		Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)	
1	Groton	284	252	0	0	0	0	0	0	32	0
2											
3											
4											
5											
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49											
50											
51											
52	TOTALS	284	252	0	0	0	0	0	0	32	0

**RATE SCHEDULE INFORMATION**

1. Attach copies of all Filed Rates for General Consumers
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenues predicted on the previous year's operations.

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		No rate change during 2022		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... Mayor

*Kevin J. Kelly*  
.....  
Kevin Kelly

..... Manager of Electric Light

*Eric S. Fisher*  
..... )

Eric S. Fisher Chairman

*Kevin J. Lindemer*  
..... )

Kevin J. Lindemer Clerk

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

*Rodney R. Hersh*  
..... )

Rodney R. Hersh Member

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

..... SS

..... 20

Then personally appeared .....

And severally made oath to the truth of the foregoing statement by them  
subscribed according to their best knowledge and belief.

..... Notary Public or  
Justice of the Peace

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