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,

2019

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

Official title: Manager

Office address: 23 Station Ave
Groton, MA 01450

Form AC-19

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, 2019, 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. Accordingly, 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
March 30, 2020

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GENERAL INFORMATION

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:
   Joshua A. Degen Groton, MA
   John Giger Groton, MA
   John Reilly Groton, MA
   Alison Manugian Groton, MA
   Becky Pine Groton, MA

5. Name and address of town (or city) treasurer:

   Michael Hartnett Groton, MA

6. Name and address of town (or city) clerk:

   Michael Bouchard Groton, MA

7. Names and addresses of members of municipal light board:

   Rodney R. Hersh Groton, MA
   Bruce Easom Groton, MA
   Kevin J. Lindemer Groton, MA

8. Total valuation of estates in town (or city) according to last State valuation (taxable) $ 1,922,285,836

9. Tax rate for all purposes during the year: $ 17.38

10. Amount of manager's salary: $ 179,057

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
	INCOME FROM PRIVATE CONSUMERS:			
1	From sales of gas			
2	From sales of electricity			10,200,000
3			**TOTAL**	10,200,000
4				
5	**EXPENSES**			
6	For operation, maintenance and repairs			9,000,000
7	For interest on bonds, notes or scrip			
8	For depreciation fund (3 %	19,254,685	as per page 8B)	577,641
9	For sinking fund requirements			
10	For note payments			
11	For bond payments			90,000
12	For loss in preceding year			
13			**TOTAL**	9,667,641
14				
15	**COST:**			
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.

City or Town	Number of Customers' Meters, Dec. 31
TOTAL	0

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
Groton/West Groton	4,977
Littleton	6
Westford	5
Pepperell	16
Ayer	1
TOTAL	5,005

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		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	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	85,000	annual	variable	semi-annual	1,575,000
	TOTAL	3,353,860				TOTAL	1,575,000

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

Town Notes

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
							None
	TOTAL	0				TOTAL	NONE

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

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).

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	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	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

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						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
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	1,784,668	18,480	0			1,803,148
5	363 Storage Battery Equipment	0	0	0			0
6	364 Poles Towers and Fixtures	2,316,883	65,323	(39,539)			2,342,667
7	365 Overhead Conductors and Devices	3,565,108	205,983	0			3,771,091
8	366 Underground Conduit	383,651	4,943	0			388,594
9	367 Underground Conductors and Devices	717,595	12,952	0			730,547
10	368 Line Transformers	1,302,494	59,048	(28,528)			1,333,014
11	369 Services	242,599	0	0			242,599
12	370 Meters	870,382	100,405	(50,025)			920,762
13	371 Installations on Customer's Premises	35,217	0	0			35,217
14	372 Leased Prop on Customer's Premises	17,393	0	0			17,393
15	373 Streetlight and Signal Systems	262,358	13,187	0			275,545
16	Total Distribution Plant	12,852,362	480,321	(118,092)	0	0	13,214,591
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	0	0			138,547
21	392 Transportation Equipment	1,547,229	0	0			1,547,229
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	8,898	0	0			8,898
27	398 Miscellaneous Equipment	153,313	0	0			153,313
28	399 Other Tangible Property	0	0	0			0
29	Total General Plant	7,258,096	0	0	0	0	7,258,096
30	Total Electric Plant in Service	20,110,458	480,321	(118,092)	0	0	20,472,687
31						Total Cost of Electric Plant.....	20,472,687
33						Less Cost of Land, Land Rights, Rights of Way.....	1,218,002
34						Total Cost upon which Depreciation is based	19,254,685

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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COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		**UTILITY PLANT**			
2	101	Utility Plant - Electric (P. 17)	13,738,831	13,749,621	10,790
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	13,738,831	13,749,621	10,790
6					
7					
8					
9					
10					
11		**FUND ACCOUNTS**			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	0	0	0
14	128	Other Special Funds	1,721,076	1,604,499	(116,577)
15		Total Funds	1,721,076	1,604,499	(116,577)
16		**CURRENT AND ACCRUED ASSETS**			
17	131	Cash (P. 14)	157,377	266,037	108,660
18	132	Special Deposits	240,651	242,330	1,679
19	135	Working Funds	500	500	0
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	1,011,502	968,114	(43,388)
22	143	Other Accounts Receivable	164,049	78,866	(85,183)
23	146	Receivables from Municipality	0	0	0
24	151	Materials and Supplies (P. 14)	474,715	513,290	38,575
25					
26	165	Prepayments	1,093,593	1,090,195	(3,398)
27	174	Miscellaneous Current Assets	8,256	8,256	0
28		Total Current and Accrued Assets	3,150,643	3,167,588	16,945
29		**DEFERRED DEBITS**			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,718,400	1,618,684	(99,716)
33		Total Deferred Debits	1,718,400	1,618,684	(99,716)
34					
35		Total Assets and Other Debits	20,328,950	20,140,392	(188,558)

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		**APPROPRIATIONS**			
2	201	Appropriations for Construction	0	0	0
3		**SURPLUS**			
4	205	Sinking Fund Reserves	0	0	0
5	206	Loans Repayment	1,636,510	1,762,020	125,510
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	7,347,388	7,208,817	(138,571)
8		Total Surplus	8,983,898	8,970,837	(13,061)
9		**LONG TERM DEBT**			
10	221	Bonds (P. 6)	1,700,510	1,575,000	(125,510)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	1,700,510	1,575,000	(125,510)
13		**CURRENT AND ACCRUED LIABILITIES**			
14	232	Accounts Payable	1,395,245	1,194,652	(200,593)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	222,776	224,881	2,105
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	0	0	0
19	242	Miscellaneous Current and Accrued Liabilities	246,373	210,205	(36,168)
20		Total Current and Accrued Liabilities	1,864,394	1,629,738	(234,656)
21		**DEFERRED CREDITS**			
22	251	Unamortized Premium on Debt	46,953	43,940	(3,013)
23	252	Customer Advances for Construction	42,153	48,295	6,142
24	253	Other Deferred Credits	448,030	359,306	(88,724)
25		Total Deferred Credits	537,136	451,541	(85,595)
26		**RESERVES**			
27	260	Reserves for Uncollectible Accounts	0	0	0
28	261	Property Insurance Reserve	132,796	136,003	3,207
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	4,604,960	4,934,426	329,466
31	265	Miscellaneous Operating Reserves	1,588,280	1,468,495	(119,785)
32		Total Reserves	6,326,036	6,538,924	212,888
33		**CONTRIBUTIONS IN AID OF CONSTRUCTION**			
34	271	Contributions in Aid of Construction	916,976	974,352	57,376
35		Total Liabilities and Other Credits	20,328,950	20,140,392	(188,558)

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.

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**OPERATING INCOME**		
2	400 Operating Revenues (P. 37 and 43)	10,113,781	(245,918)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	8,601,622	(748,997)
5	402 Maintenance Expense	993,124	80,757
6	403 Depreciation Expense	472,311	11,205
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	10,067,057	(657,035)
11	Operating Income	46,724	411,117
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	46,724	411,117
15	**OTHER INCOME**		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	41,495	(240,032)
17	419 Interest Income	41,115	5,532
18	421 Miscellaneous Nonoperating Income (P. 21)	5,156	5,156
19	Total Other Income	87,766	(229,344)
20	Total Income	134,490	181,773
21	**MISCELLANEOUS INCOME DEDUCTIONS**		
22	425 Miscellaneous Amortization	(29,744)	(4,103)
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(29,744)	(4,103)
25	Income Before Interest Charges	164,234	185,876
26	**INTEREST CHARGES**		
27	427 Interest on Bonds and Notes	55,351	(26,715)
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	16,615	13,066
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	68,953	(13,649)
33	**NET INCOME**	95,281	199,525

EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		7,347,388
35			
36			
37	433 Balance Transferred from Income	0	95,281
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)	233,852	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	7,208,817	
43			
44	**TOTALS**	7,442,669	7,442,669

Next Page is 14

CASH BALANCES AT END OF YEAR

Line No.	Items (a)	Amount (b)
1	Operation Fund	266,037
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	**TOTAL**	266,037

MATERIALS AND SUPPLIES (Accounts 151-159, 163)
Summary per Balance Sheet

Line No.	Account (a)	Amount End of Year Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	513,290	
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	513,290	0

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	**DEBITS**	
25	Balance of account at beginning of year	0
26	Income during year from balance on deposit (interest)	0
27	Amount transferred from income (depreciation)	472,311
28	Bond Proceeds	0
29	**TOTAL**	472,311
30	**CREDITS**	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	472,311
32	Amount expended for bond payment	0
33		
34		
35		
36		
37		
38		
39	Balance on hand at end of year	0
40	**TOTAL**	472,311

UTILITY PLANT - ELECTRIC

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).
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).

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	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	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						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
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	310,159	0	12,550		0	297,609
4	362 Station Equipment	823,840	18,480	44,617		0	797,703
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	557,637	65,323	57,922		0	565,038
7	365 Overhead Conductors and Devices	2,199,764	205,983	89,129		0	2,316,618
8	366 Underground Conduit	206,610	4,943	9,591		0	201,962
9	367 Underground Conductors and Devices	474,900	12,952	17,940		0	469,912
10	368 Line Transformers	748,117	59,048	32,562		0	774,603
11	369 Services	1,682	0	1,682		0	0
12	370 Meters	835,984	100,405	26,577		0	909,812
13	371 Installations on Customer's Premises	27,890	0	880		0	27,010
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	73,023	13,187	6,559		-	79,651
16	Total Distribution Plant	7,111,608	480,321	300,009	0	0	7,291,920
17	5. GENERAL PLANT						
18	389 Land and Land Rights	366,000	0	0		0	366,000
19	390 Structures and Improvements	4,360,345	0	117,501		0	4,242,844
20	391 Office Furniture and Equipment	128,349	0	3,464		0	124,885
21	392 Transportation Equipment	1,374,862	0	38,681		0	1,336,181
22	393 Stores Equipment	10,957	0	520		0	10,437
23	394 Tools, Shop and Garage Equipment	19,570	0	2,032		0	17,538
24	395 Laboratory Equipment	9,447	0	687		0	8,760
25	396 Power Operated Equipment	84,595	0	5,362		0	79,233
26	397 Communication Equipment	8,229	0	222		0	8,007
27	398 Miscellaneous Equipment	106,335	0	3,833		0	102,502
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	6,468,689	0	172,302	0	0	6,296,387
30	Total Electric Plant in Service	13,580,297	480,321	472,311	0	0	13,588,307
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	158,534	20,416	0	0	(17,636)	161,314
34	Total Utility Plant Electric	13,738,831	500,737	472,311	0	(17,636)	13,749,621

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)	Cost (f)
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				

Line No.	Item (g)	Kinds of Fuel and Oil - continued			
		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.

MISCELLANEOUS NONOPERATING INCOME (Account 421)

Line No	Item (a)	Amount (b)
1	Mutual Aid	5,156
2		
3		
4		
5		
6	**TOTAL**	5,156

OTHER INCOME DEDUCTIONS (Account 426)

Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	**TOTAL**	0

MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	**TOTAL**	0

MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	**TOTAL**	0

APPROPRIATIONS OF SURPLUS (Account 436)

Line No.	Item (a)	Amount (b)
33	Payment to Town in Lieu of Taxes	108,342
34	Loan Repayments	125,510
35		
36		
37		
38		
39		
40	**TOTAL**	233,852

MUNICIPAL REVENUES (Account 482,444)
(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		**TOTALS**			
		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)	4,007,729	579,900	0.1447
6					
7					
8					
9					
10					
11					
12		**TOTALS**	4,007,729	579,900	0.1447
13	444-1	Street Lighting	79,065	12,000	0.1518
14					
15					
16					
17					
18		**TOTALS**	79,065	12,000	0.1518
19		**TOTALS**	4,086,794	591,900	0.1448

PURCHASED POWER (Account 555)

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		TOTALS	0	0	

SALES FOR RESALE (Account 447)

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		TOTALS	0	0	

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ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	*Operating Revenues* Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	*Kilowatt-hours Sold* Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	*Average Number of Customers per Month* Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	**SALES OF ELECTRICITY**						
2	440 Residential Sales	5,751,767	(127,556)	43,971,595	(1,608,635)	4,389	18
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	2,047,855	19,941	13,406,276	(53,912)	334	1
5	Large Commercial C Sales	1,197,566	(96,210)	7,838,600	(800,800)	3	0
6	444 Municipal Sales	591,900	(7,314)	4,086,794	(58,399)	64	(6)
7	445 Other Sales to Public Authorities	0	0	0	0	0	0
8	446 Sales to Railroads and Railways	0	0	0	0	0	0
9	448 Interdepartmental Sales	0	0	0	0	0	0
10	449 Miscellaneous Sales	147,668	13,757	965,302	49,181	50	1
11	**Total Sales to Ultimate Consumers**	9,736,756	(197,382)	70,268,567	(2,472,565)	4,840	14
12	447 Sales for Resale		0	0	0	0	0
13	**Total Sales of Electricity***	9,736,756	(197,382)	70,268,567	(2,472,565)	4,840	14
14	**OTHER OPERATING REVENUES**						
15	450 Forfeited Discounts	127,035	(2,700)				
16	451 Miscellaneous Service Revenues	24,010	1,285		* Includes revenues from		
17	453 Sales of Water and Water Power	0	0		application of fuel clauses $		0
18	454 Rent from Electric Property	225,980	(47,121)				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	0	0		Total KWH to which applied		70,268,567
21							
22							
23							
24							
25	Total Other Operating Revenues	377,025	(48,536)				
26	Total Electric Operating Revenue	10,113,781	(245,918)				

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	41,228,511	5,392,516	0.1308	4,200	4,207
2	440.000	House Heating	2,594,447	341,757	0.1317	190	190
3	442.000	Commercial	12,932,358	1,980,707	0.1532	315	311
4	442.000	Large Commercial	7,838,600	1,197,566	0.1528	3	3
5	444.000	Street Lighting	79,065	12,000	0.1518	1	1
6	444.000	Municipal	4,007,729	579,900	0.1447	64	65
7	444.000	Not for Profit	805,782	116,230	0.1442	39	39
8	445.000	Private Yard Lights	159,520	31,438	0.1971	10	10
9	446.000	Residential Farm	148,637	17,494	0.1177	10	10
10	446.000	Commercial Farm	473,918	67,148	0.1417	20	20
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
	TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)		70,268,567	9,736,756	0.1386	4,852	4,856

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space proved 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	**POWER PRODUCTION EXPENSES**		
2	**STEAM POWER GENERATION**		
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	**NUCLEAR POWER GENERATION**		
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	**HYDRAULIC POWER GENERATION**		
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

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**HYDRAULIC POWER GENERATION - Continued**		
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	**OTHER POWER GENERATION**		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	0	0
14	548 Generation Expenses	0	0
15	549 Miscellaneous other power generation expense	0	0
16	550 Rents	0	0
17	Total Operation	0	0
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	0	0
25	**OTHER POWER SUPPLY EXPENSES**		
26	555 Purchased power	3,950,333	(33,001)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	3,950,333	(33,001)
30	Total power production expenses	3,950,333	(33,001)
31	**TRANSMISSION EXPENSES**		
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	2,675,535	(834,785)
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	2,675,535	(834,785)
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	2,675,535	(834,785)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**DISTRIBUTION EXPENSES**		
2	Operation:		
3	580 Operation supervision and engineering	0	0
4	581 Load dispatching (Operation Labor) Transportation	45,950	11,419
5	582 Station expenses	9,521	5,470
6	583 Overhead line expenses	25,972	10,981
7	584 Underground line expenses	9,529	7,876
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	9,754	7,180
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	32,430	7,168
12	589 Rents	1,112	(16)
13	Total operation	134,268	50,078
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	934,890	67,265
19	594 Maintenance of underground lines	4,966	2,254
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	2,857	2,271
22	597 Maintenance of meters	25,248	1,762
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	967,961	73,552
25	Total distribution expenses	1,102,229	123,630
26	**CUSTOMER ACCOUNTS EXPENSES**		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	88,170	3,865
30	903 Customer records and collection expenses	183,084	3,481
31	904 Uncollectible accounts	2,417	2,810
32	905 Miscellaneous customer accounts expenses	120	120
33	Total customer accounts expenses	273,791	10,276
34	**SALES EXPENSES**		
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	39,766	17,672
40	Total sales expenses	39,766	17,672
41	**ADMINISTRATIVE AND GENERAL EXPENSES**		
42	Operation:		
43	920 Administrative and general salaries	284,791	3,785
44	921 Office supplies and expenses	57,599	(23,286)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	38,846	(27,733)
47	924 Property insurance	64,507	2,434
48	925 Injuries and damages	3,803	(10,637)
49	926 Employee pensions and benefits	1,053,249	104,153
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	25,134	(7,953)
53	931 Rents	0	0
54	Total operation	1,527,929	40,763

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**ADMINISTRATIVE AND GENERAL EXPENSES - Cont.**		
2	Maintenance:		
3	932 Maintenance of general plant	25,163	7,205
4	Total administrative and general expenses	1,553,092	47,968
5	Total Electric Operation and Maintenance Expenses	9,594,746	(668,240)

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	**Power Production Expenses**			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power			
12	Other Power Supply Expenses	3,950,333	0	3,950,333
13	Total power production expenses	3,950,333		3,950,333
14	Transmission Expenses	2,675,535		2,675,535
15	Distribution Expenses	134,268	967,961	1,102,229
16	Customer Accounts Expenses	273,791		273,791
17	Sales Expenses	39,766		39,766
18	Administrative and General Expenses	1,527,929	25,163	1,553,092
19	Total Electric Operation and			
20	Maintenance Expenses	8,601,622	993,124	9,594,746

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)		99.54%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.	$	1,351,960
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)		11

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TAXES CHARGED DURING THE YEAR

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 (h). 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.

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								

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					
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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				

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)

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				41,495
5	Commissions				0
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	0	0	0	41,495
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	41,495

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G, and place and "x" in column (c) if sale involves export across a state line.
3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
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								

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
								6
								7
								8
								9
								10
								11
								12
								13
								14
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								23
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								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
	TOTALS:	0	0.00	0.00		0.00		41

PURCHASED POWER (Account 555)
(EXCEPT INTERCHANGE POWER)

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
2. Provide subheadings and classify purchases 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 purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.
3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	New York Power Authority	FP	X	LOWELL ROAD	RS	687		
2	Stonybrook Peaking	O		LOWELL ROAD	RS	1841		
3	Stonybrook Intermediate	O		LOWELL ROAD	RS	2756		
4	Nuclear Mix 1 (Seabrook)	O	X	LOWELL ROAD	RS	17		
5	Nuclear Mix 1 (Millstone)	O	X	LOWELL ROAD	RS	178		
6	Nuclear Project 3 (Millstone)	O	X	LOWELL ROAD	RS	113		
7	Nuclear Project 4 (Seabrook)	O	X	LOWELL ROAD	RS	368		
8	Nuclear Project 5 (Seabrook)	O	X	LOWELL ROAD	RS	45		
9	Project 6 (Seabrook)	O	X	LOWELL ROAD	RS	1050		
10	Transmission Charges							
11	Hydro Quebec	O	X	LOWELL ROAD	RS			
12	NEPCO	O		LOWELL ROAD	RS			
13	Seabrook System Power	DP		LOWELL ROAD	RS			
14	ISO OATT			LOWELL ROAD	RS			
15	System Power	DP						
16	Berkshire Wind Power Co-op	O	X	LOWELL ROAD	RS			
17	Hancock Wind							
18	Rate Stabilization							
19	Member Services							
20	Other Power Costs							
21	Surplus Funds							
22	Select Energy							
23	Solar Farm - Ameresco							
24	Berkshire Wind (Credit)							
25								
26								
27	Capacity Charges are reduced by Annual Flush of Funds for PSA Power Contracts							
28	Annual Flush of Funds for PSA Power Contracts and balance of Deferred Credits							
29								
30	** Includes transmission and administrative charges and decommissioning							
31								

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) Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges	Other Charges (n) **	Total (o)	KWH (CENTS) (0.0000) (p)	Line No.
60 MINUTES	69 kv	5,167,561	34,102	25,697	59,233	119,032	$0.0230	1
60 MINUTES	69 kv	16,473	34,494	3,063	1,966	39,523	$2.3993	2
60 MINUTES	69 kv	359,539	101,422	10,198	3,209	114,829	$0.3194	3
60 MINUTES	69 kv	172,642	4,389	910	12	5,311	$0.0308	4
60 MINUTES	69 kv	1,480,139	46,325	9,298	1,402	57,025	$0.0385	5
60 MINUTES	69 kv	932,803	29,487	5,860	885	36,232	$0.0388	6
60 MINUTES	69 kv	3,487,492	89,288	18,387	216	107,891	$0.0309	7
60 MINUTES	69 kv	428,094	11,140	2,257	28	13,425	$0.0314	8
60 MINUTES	69 kv	9,961,887	296,911	52,522	608	350,041	$0.0351	9
								10
60 MINUTES	69 kv	0	0	0	(27,038)	(27,038)	N/A	11
60 MINUTES	69 kv	0	0	0	363,922	363,922	N/A	12
60 MINUTES	69 kv	6,443,000	0	0	282,440	282,440	$0.0438	13
60 MINUTES	69 kv	0	0	0	1,380,331	1,380,331	N/A	14
		12,312,000	0	682,584	0	682,584	$0.0554	15
60 MINUTES	69 kv	2,114,519	353,148	0	0	353,148	$0.1670	16
		1,429,304	0	77,691	57	77,748	$0.0544	17
		0	0	0	24,808	24,808	N/A	18
		0	0	0	80,549	80,549	N/A	19
		0	0	0	1,206	1,206	N/A	20
		0	0	0	(143,157)	(143,157)	N/A	21
		0	0	0	(144,379)	(144,379)	N/A	22
		3,494,139	0	0	190,474	190,474	$0.0545	23
					(15,612)	(15,612)	N/A	24
								25
								26
								27
								28
								29
								30
	TOTALS:	47,799,592	1,000,706	888,467	2,061,160	3,950,333		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)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours Received (a)	Kilowatt-hours Delivered (f)	Kilowatt-hours Net Difference (g)	Amount of Settlement (h)
1	NEPEX		LOWELL ROAD	69kv	75,163,090	47,421,180	27,741,910	2,675,535
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
				TOTALS	75,163,090	47,421,180	27,741,910	2,675,535

B. Details of Settlement for Interchange Power

Line No.	(i)	Explanation (j)	Amount (k)
13			
14			
15			
16	NEPEX	INTERCHANGE EXPENSE	2,541,216
17		NEPOOL EXPENSE	134,319
18			
19			
20			
21			
		TOTAL	2,675,535

ELECTRIC ENERGY ACCOUNT

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	SOURCES OF ENERGY			
2	Generation			
3	Steam			
4	Nuclear			
5	Hydro			
6	Other			
7	Total Generation			0
8	Purchases			47,799,592
9		(In (gross)	75,163,090	
10	Interchanges	< Out (gross)	47,421,180	
11		(Net (Kwh)		27,741,910
12		(Received		
13	Transmission for/by others (wheeling)	< Delivered		
14		(Net (Kwh)		0
15	**TOTAL**			**75,541,502**
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			70,268,567
18	Sales for resale			0
19	Energy furnished without charge			0
20	Energy used by the company (excluding station use):			
21	Electric department only			105,448
22	Energy losses			
23	Transmission and conversion losses		1,585,320	
24	Distribution losses	4.74%	3,582,167	
25	Unaccounted for losses			
26	Total energy losses			5,167,487
27	Energy losses as percent of total on line	6.84%		
28			**TOTAL**	**75,541,502**

MONTHLY PEAKS AND OUTPUT

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.
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 as to the nature of the emergency.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
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.
5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Town of Groton

Line No.	Month (a)	Monthly Peak Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) (See Instr. 4) (g)
29	January	14,233	Tuesday	21	7:00 PM	60 min	7,188,426
30	February	12,865	Wednesday	12	6:00 PM	60 min	6,143,893
31	March	11,617	Friday	6	7:00 PM	60 min	6,134,732
32	April	10,343	Thursday	9	8:00 PM	60 min	5,207,722
33	May	10,556	Wednesday	20	9:00 PM	60 min	5,405,450
34	June	14,274	Sunday	28	6:00 PM	60 min	6,002,343
35	July	18,211	Tuesday	21	7:00 PM	60 min	8,259,019
36	August	14,633	Wednesday	19	4:00 PM	60 min	6,924,894
37	September	13,479	Wednesday	23	8:00 PM	60 min	5,546,704
38	October	10,400	Tuesday	27	7:00 PM	60 min	5,498,426
39	November	11,825	Friday	13	7:00 PM	60 min	6,074,844
40	December	13,510	Thursday	17	6:00 PM	60 min	7,155,049
41						**TOTAL**	**75,541,502**

GENERATING STATIONS Pages 58 through 66

GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear) Pages 58-59

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1					
2					
3					
4					
5					
6					

STEAM GENERATING STATIONS Pages 60-61

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1					
2					
3					
4					
5					
6					

HYDROELECTRIC GENERATING STATIONS Pages 62-63

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1					
2					
3					
4					
5					
6					

COMBUSTION ENGINE AND OTHER GENERATING STATIONS Pages 64-65

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1					
2					
3					
4					
5					
6					

GENERATING STATION STATISTICS (Small Stations) Page 66

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1					
2					
3					
4					
5					
6					

TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

Line No.	Designation From (a)	Designation To (b)	Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles) On Structures of Line Designated (e)	Length (Pole Miles) On Structures of Another Line (f)	Number of Circuits (g)	Size of Conductors and Material (h)
1								
2	None							
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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16								
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36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47				TOTALS	0		0	

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

SUBSTATIONS

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 that 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.

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											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26					TOTALS	50,000	2	1			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	117.296		117.296
2	Added During Year	0.000		0.000
3	Retired During Year	0.000		0.000
4	Miles -- End of Year	117.296	0.00	117.296
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:	4,816	5,454	1,840	69,854.5
17	Additions during year				
18	Purchased	0	512	84	1,227.5
19	Installed	45	0	52	1,287.5
20	Associated with utility plant acquired				
21	Total Additions	45	512	136	2,515.0
22	Reductions during year:				
23	Retirements	10	390	111	1,627.5
24	Associated with utility plant sold				
25	Total Reductions	10	390	111	1,627.5
26	Number at end of year	4,851	5,576	1,865	70,742.0
27	In stock		565	152	7,185.0
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		5,005	1,711	63,502.0
31	In company's use		6	2	55.0
32	Number at end of year		5,576	1,865	70,742.0

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	Wiewel Extension	Fiber Duct	0.470		0.470	2,400		
2	Chapel Hill	do	0.100		0.100	13,800		
3	Lawrence Academy Disp. Plant	PVC	0.160		0.160	13,800		
4	Baker's Coveway	Direct Burial			0.400	2,400		
5	Grainger Extension	do			0.060	2,400		
6	Longley Rd. Ext. - Manderson Ext.	do			0.200	2,400		
7	Gutteridge Extension	do			0.100	2,400		
8	Lawrence Academy Skating Rink	PVC	0.190		0.190	13,800		
9	Allan Friedrick Extension	Direct Burial			0.090	2,400		
10	Kenneth Young Extension	do			0.030	2,400		
11	Lowell Rd. Feeder - Fiber Duct &	do	0.050		0.080	13,800		
12	Baddacook Pond - Kimmens Feeder	do			0.150	2,400		
13	Baddacook Pond - Holland	do			0.230	2,400		
14	North Main Street Baptist Church	Conduit Pipe	0.040		0.040	13,800		
15	Main Street - Harvard Trust		0.030		0.030	13,800		
16	Flavell Road Extension	Direct Burial	1.004		1.000	2,400/13,800		
17	Higley Strreet - Lawrence Ext.	do			0.250	13,800		
18	Hemlock Park - Gutteridge	do			0.130	2,400/13,800		
19	Burnt Meadow - Black Ext. Plastic Duct	720			0.140	13,800		
20	Paquawket Path	do	0.730		0.730	7,960		
21	Throne Hill Road	do	0.440		0.440	7,960		
22	Valliria Drive	do	0.230		0.230	7,960		
23	Longley Road - Minor	do	0.104		0.104	7,960		
24	Longley Estates - II	do	0.470		0.470	7,960		
25	Nashua Hills	do	0.180		0.180	7,960		
26	Longley Road - Graco	do	0.130		0.130	7,960		
27	Laurel Road	do	0.360		0.360	7,960		
28	Augustine Drive	do	0.210		0.210	7,960		
29	Britt Lane	do	0.210		0.210	7,960		
30	Star House Lane	do	0.170		0.170	7,960		
31	Main Street (Insco)	do	0.080		0.080	15,000		
32	Stone Cleave	do	0.100		0.100	7,960		
33	Throne Hill Lot #27	do	0.040		0.040	7,960		
34		SUBTOTALS	5.498	Miles	7.304		0	

*indicate number of conductors per cable

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	New Pond Road	Plastic Duct	0.500	0.500	7,960		
2	Crosswinds	do	1.580	1.580	7,960		
3	Old Homestead	do	0.280	0.280	7,960		
4	Island Pond Road	do	0.120	0.120	7,960		
5	Fertledale	do	0.120	0.120	7,960		
6	Old Homestead II	do	0.150	0.150	7,960		
7	Farmers Row	do	0.060	0.060	7,960		
8	Carmichael	do	0.310	0.310	7,960		
9	McLains Woods	do	0.250	0.250	7,960		
10	Crosswinds II	do	1.560	1.560	7,960		
11	Martins Pond Road	do	0.060	0.060	7,960		
12	Castle Drive	do	0.500	0.500	7,960		
13	Regional School	do	0.660	0.660	13,800		
14	Brookfield Drive	do	0.160	0.160	7,960		
15	Fletcher Hill	do	0.280	0.280	7,960		
16	Fitch Bridge Estates	do	0.210	0.210	7,960		
17	Old Carriage Path	do	0.380	0.380	7,960		
18	Martins Pond Road	do	0.580	0.580	7,960		
19	Whiley Road	do	0.150	0.150	7,960		
20	Chicopee Row	do	0.060	0.060	7,960		
21	Castle Drive	do	0.060	0.060	7,960		
22	Main Street - Market	do	0.060	0.060	13,800		
23	Townsend Road - LA Valley	do	0.110	0.110	7,960		
24	Duck Pond Road	do	0.080	0.080	7,960		
25	Willow Dale	do	0.080	0.080	13,800		
26	Carriage Path	do	0.090	0.090	7,960		
27	Groton Woods (LA Combe)	do	0.410	0.410	13,800		
28	Lowell Road (Petapawaug)	do	0.030	0.030	13,800		
29	Castle Drive Lots 19&20	do	0.070	0.070	7,960		
30	Throne Hill Lot 28	do	0.220	0.220	7,960		
31	Cross Winds	do	0.040	0.040	7,960		
32	Watson Way	do	0.090	0.090	7,960		
33	Northwoods	do	0.586	0.410	7,960		
34	Whily Road	do	0.200	0.200	7,960		
35	Stone Bridge	do	0.080	0.080	7,960		
36		SUBTOTALS	15.674 Miles	17.304		0	

*indicate number of conductors per cable

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	Hawtree Lane	Plastic Duct	0.177	0.177	7,960		
2	Partidge Berry	Plastic Duct	0.869	0.869	13,800		
3	Meadows Brook	Plastic Duct	0.381	0.381	7,960		
4	Charles Road	Plastic Duct	0.063	0.063	7,960		
5	Common Street	Plastic Duct	0.081	0.081	7,960		
6	Fox Run	Plastic Duct	0.153	0.153	7,960		
7	Brown Lane	Plastic Duct	0.104	0.104	7,960		
8	Groton School	Plastic Duct	0.208	0.208	13,800		
9	N.Main Street	Plastic Duct	0.120	0.120	13,800		
10	Balcom Estates	Plastic Duct	0.221	0.221	7,960		
11	Spencer Circle	Plastic Duct	0.335	0.335	7,960		
12	Chicopee Row	Plastic Duct	0.062	0.062	7,960		
13	Smith Street	Plastic Duct	0.270	0.270	7,960		
14	Reedy Meadow	Plastic Duct	0.131	0.131	7,960		
15	Gay Hill	Plastic Duct	0.114	0.114	7,960		
16	High Street	Plastic Duct	0.033	0.033	7,960		
17	Little Hollow Road	Plastic Duct	0.244	0.244	7,960		
18	Lowell Road	Plastic Duct	0.145	0.145	7,960		
19	Kirk Farm Road	Plastic Duct	0.470	0.470	7,960		
20	Duck Pond Road	Plastic Duct	0.065	0.065	7,960		
21	Maura Lane	Plastic Duct	0.270	0.270	7,960		
22	Sandy Pond Road	Plastic Duct	0.130	0.130	7,960		
23	O'Neil Way	Plastic Duct	0.113	0.113	7,960		
24	River Bend Road	Plastic Duct	0.433	0.433	13,800		
25	Wintergreen Road	Plastic Duct	0.439	0.439	13,800		
26	Carmichael Way	Plastic Duct	0.211	0.211	7,960		
27	Hayden Road	Plastic Duct	0.046	0.046	7,960		
28	Shirley Street	Plastic Duct	0.061	0.061	7,960		
29	Fairway Drive	Plastic Duct	0.031	0.031	7,960		
30	Groton School	Plastic Duct	0.038	0.038	13,800		
31	Lovers Lane	Plastic Duct	0.097	0.097	7,960		
32	Indian Hill Road	Plastic Duct	0.085	0.085	7,960		
33	Kailey Way	Plastic Duct	0.622	0.622	7,960		
34	Sandy Pond Road	Plastic Duct	0.049	0.049	13,800		
35	Dolan Way	Plastic Duct	0.077	0.077	7,960		
36		SUBTOTALS	22.622 Miles	24.252		0	

*indicate number of conductors per cable

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)	Operating Voltage (f)
1	Boston Road	Plastic Duct	0.159	0.159	7,960		
2	Duck Pond Road	Plastic Duct	0.226	0.226	7,960		
3	Overlook Drive	Plastic Duct	0.097	0.097	7,960		
4	Chicopee Row	Plastic Duct	0.478	0.478	7,960		
5	Kirk Farm Road	Plastic Duct	0.163	0.163	7,960		
6	Nashua Road	Plastic Duct	0.544	0.544	7,960		
7	Acord Path	Plastic Duct	0.054	0.054	7,960		
8	Charles Way	Plastic Duct	0.073	0.073	7,960		
9	Orr Road	Plastic Duct	0.263	0.263	7,960		
10	Skyfield Drive	Plastic Duct	0.029	0.029	7,960		
11	Badacook Woods	Plastic Duct	0.380	0.380	7,960		
12	Bryan Wood	Plastic Duct	0.209	0.209	7,960		
13	Duck Pond	Plastic Duct	0.086	0.086	7,960		
14	Deer Haven	Plastic Duct	0.781	0.781	13,800		
15	Pacer Way	Plastic Duct	0.703	0.703	7,960		
16	Wintergreen	Plastic Duct	0.083	0.083	7,960		
17	Chicopee	Plastic Duct	0.129	0.129	7,960		
18	Burntmeadow	Plastic Duct	0.103	0.103	7,960		
19	Lovers Lane	Plastic Duct	0.075	0.075	7,960		
20	Ames Meadow	Plastic Duct	1.585	1.585	7,960		
21	Rockwood Lane	Plastic Duct	0.262	0.262	7,960		
22	Duck Pond Road	Plastic Duct	0.039	0.039	7,960		
23	Autumn Leaf Drive	Plastic Duct	0.152	0.152	7,960		
24	Boston Road	Plastic Duct	0.217	0.217	7,960		
25	Nicole Drive	Plastic Duct	0.248	0.248	7,960		
26	Burntmeadow	Plastic Duct	0.084	0.084	7,960		
27	Mill Street	Plastic Duct	0.155	0.155	7,960		
28	Integrity Way	Plastic Duct	0.158	0.158	7,960		
29	Hayden Road	Plastic Duct	0.038	0.038	7,960		
30	Northwoods	Plastic Duct	0.104	0.104	7,960		
31	Woodland Park	Plastic Duct	0.394	0.394	7,960		
32	Little Hollow Lane	Plastic Duct	0.046	0.046	7,960		
33							
34							
35							
		SUBTOTALS	30.739 Miles	32.369		0	

*indicate number of conductors per cable

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	Forest Drive Plastic Duct	0.610	0.610	7,960		
2	Autumn Leaf Plastic Duct	0.078	0.078	7,960		
3	Mayfield Drive Plastic Duct	0.045	0.045	7,960		
4	Forest Drive Plastic Duct	0.108	0.108	7,960		
5	West Main St. Plastic Duct	0.060	0.060	7,960		
6	Hidden Valley Rd Plastic Duct	0.100	0.100	7,960		
7	Culver Street Plastic Duct	0.126	0.126	7,960		
8	Farmers Row Plastic Duct	0.850	0.850	7,960		
9	Northwoods Road Plastic Duct	0.069	0.069	7,960		
10	Chicopee Row Plastic Duct	0.357	0.357	13,800		
11	Forge Village Road Plastic Duct	0.041	0.041	7,960		
12	Chicopee Row Plastic Duct	0.084	0.084	13,800		
13	West Main St. Plastic Duct	0.012	0.012	7,960		
14	Longley Road Plastic Duct	0.153	0.153	7,960		
15	Townsend Road Plastic Duct	0.179	0.179	7,960		
16	Fire Tower Road Plastic Duct	0.020	0.020	7,960		
17	Batten Woods Plastic Duct	0.203	0.203	7,960		
18	Performing Arts Ctr Plastic Duct	0.077	0.077	13,800		
19	Prescott Street Plastic Duct	0.320	0.320	7,960		
20	Baddacook Plastic Duct	0.093	0.093	7,960		
21	Northwoods Ext Plastic Duct	0.036	0.036	7,960		
22	Still Meadows Plastic Duct	0.071	0.071	7,960		
23	Martins Pond Plastic Duct	0.082	0.082	7,960		
24	Twomey Center Plastic Duct	0.067	0.067	13,800		
25	New School Plastic Duct	0.064	0.064	13,800		
26	Performing Arts Ctr Plastic Duct	0.039	0.039	13,800		
27	Mill Run Plastic Duct	0.055	0.055	13,800		
28	Mill Run Plastic Duct	0.046	0.046	13,800		
29	Gibbet Hill Plastic Duct	0.135	0.135	13,800		
30	LA Ball Field Plastic Duct	0.135	0.135	13,800		
31	100 Whitman Plastic Duct	0.180	0.180	7,960		
32	McElroy's Farm Plastic Duct	0.1655	0.166	7,960		
33	Amelia Road Plastic Duct	0.242	0.242	7,960		
34						
35	SUBTOTALS	miles 35.642	37.272			0

*indicate number of conductors per cable

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	High School	Plastic Duct	0.059	0.059	7,960		
2	Main Street	Plastic Duct	0.027	0.027	13,800		
3	Forge Village Road	Plastic Duct	0.037	0.037	13,800		
4	Boston Road	Plastic Duct	0.124	0.124	13,800		
5	Boston Road	Plastic Duct	0.087	0.087	13,800		
6	Boston Road	Plastic Duct	0.093	0.093	13,800		
7	Boston Road	Plastic Duct	0.082	0.082	13,800		
8	Sandy Pond Road	Plastic Duct	0.031	0.031	13,800		
9	Boston Road	Plastic Duct	0.071	0.071	13,800		
10	Boston Road	Plastic Duct	0.100	0.100	13,800		
11	Boston Road	Plastic Duct	0.112	0.112	13,800		
12	Boston Road	Plastic Duct	0.044	0.044	13,800		
13	Shaws	Plastic Duct	0.033	0.033	13,800		
14	Cow Pond Brook Rd	Plastic Duct	0.025	0.025	7,960		
15	Shaws	Plastic Duct	0.045	0.045	13,800		
16	Kemp Street	Plastic Duct	0.106	0.106	7,960		
17	Main Street	Plastic Duct	0.167	0.167	13,800		
18	Lowell Road	Plastic Duct	0.081	0.081	7,960		
19	Quail Ridge Road	Plastic Duct	0.289	0.289	7,960		
20	Cherry Tree Lane	Plastic Duct	0.024	0.024	7,960		
21	Hemlock Park Drive	Plastic Duct	0.120	0.120	7,960		
22	Amadas Way	Plastic Duct	0.186	0.186	7,960		
23	Cherry Tree Lane	Plastic Duct	0.061	0.061	7,960		
24	Seven Hills	Plastic Duct	0.030	0.030	13,800		
25	Residential Gardens	Plastic Duct	0.035	0.035	13,800		
26	Robin Hill Road	Plastic Duct	0.081	0.081	13,800		
27	Shirley Street	Plastic Duct	0.057	0.057	13,800		
28	Cherry Tree Lane	Plastic Duct	0.159	0.159	13,800		
29	Cherry Tree Lane	Plastic Duct	0.030	0.030	13,800		
30	Cherry Tree Lane	Plastic Duct	0.163	0.163	13,800		
31	West Main Street	Plastic Duct	0.682	0.682	13,800		
32	Farmers Row	Plastic Duct	0.379	0.379	13,800		
33	Fieldstone Drive	Plastic Duct	0.167	0.167	13,800		
34							
35	SUBTOTALS		miles 39.429	41.059			0

*indicate number of conductors per cable

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 Miles * (c)	Underground Cable Operating Voltage (d)	Submarine Cable Feet * (e)	Submarine Cable Operating Voltage (f)
1	Fieldstone Drive Plastic Duct	0.078	0.078	13,800		
2	Fieldstone Drive Plastic Duct	0.095	0.095	13,800		
3	Fieldstone Drive Plastic Duct	0.076	0.076	13,800		
4	Fieldstone Drive Plastic Duct	0.053	0.053	7,960		
5	Cherry Tree Lane Plastic Duct	0.080	0.080	7,960		
6	Cherry Tree Lane Plastic Duct	0.095	0.095	7,960		
7	Cherry Tree Lane Plastic Duct	0.038	0.038	7,960		
8	Robin Hill Road Plastic Duct	0.066	0.066	13,800		
9	Cardinal Way Plastic Duct	0.133	0.133	7,960		
10	Robin Hill Road Plastic Duct	0.472	0.472	13,800		
11	Cardinal Way Plastic Duct	0.058	0.058	7,960		
12	Bradley Way Plastic Duct	0.094	0.094	7,960		
13	Mayfield Drive Plastic Duct	0.063	0.063	7,960		
14	Crystal Springs Lane Plastic Duct	0.084	0.084	7,960		
15	Skyfields Drive Plastic Duct	0.142	0.142	7,960		
16	Jenkins Road Plastic Duct	0.038	0.038	7,960		
17	Magnolia Lane Plastic Duct	0.114	0.114	7,960		
18	Magnolia Lane Plastic Duct	0.114	0.114	13,800		
19	Crystal Springs Lane Plastic Duct	0.047	0.047	7,960		
20	Old Ayer Road Plastic Duct	0.303	0.303	7,960		
21	Cherry Tree Lane Plastic Duct	0.057	0.057	13,800		
22	Main Street Plastic Duct	0.227	0.227	13,800		
23	Farmers Row Plastic Duct	0.369	0.369	13,800		
24	Maple Avenue Plastic Duct	0.047	0.047	7,960		
25	Lowell Road Plastic Duct	0.085	0.085	7,960		
26	Old Ayer Road Plastic Duct	0.085	0.085	13,800		
27	Chamberlain Mills La Plastic Duct	0.132	0.132	7,960		
28	Island Pond Road Plastic Duct	0.037	0.037	7,960		
29	Mockingbird Lane Plastic Duct	0.064	0.064	7,960		
30	Cow Pond Brook Roa Plastic Duct	0.040	0.040	7,960		
31	Boston Road Plastic Duct	0.112	0.112	7,960		
32	Mockingbird Lane Plastic Duct	0.223	0.223	7,960		
33	Old Dunstable Road Plastic Duct	0.015	0.015	7,960		
34						
35	TOTALS	miles 43.165	44.795			0

*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	270	236	0	0	0	0	0	34	0
52	TOTALS	270	236	0	0	0	0	0	34	0

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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
		See Attached Rate Schedules		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.... Mayor

Kevin P. Kelly

..... Kevin Kelly ..... Manager of Electric Light

Bruce Eason

..... Bruce Eason, Chairman)

..... 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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SUMMARY OF RATES

December 31, 2019

Groton Electric Light

23 Station Avenue
Groton, MA 01450

tel: 978-448-1150
fax: 978-448-1159

BILLING TERMS

Customer Charge
Collects some of our costs of providing the basic services, such as meter reading and billing.

Distribution Charge
Collects our costs to deliver electricity from our substation to homes and businesses.

Generation Charge
Collects our costs for power purchased on the wholesale energy market. Savings associated with the power received from the New York Power Authority (NYPA) is applied to the first 500 kWh of the Generation Charge for the residential classes. Time of Use (TOU) is separated into three time slots with varying rates—the NYPA savings is applied evenly over the TOU rates.

Transmission Charge
Collects our projected costs of purchasing delivery of electricity from the generating plants to our substation

Power Cost Adjustment (PCA)
Recoups the increased generation costs associated with higher fuel and power costs. The PCA charge may be zero depending upon power costs incurred by GELD. When the charge is zero, the PCA line item will not print on the bill.

RATE CODES

C1 Commercial
C2 Commercial Solar
EV Electric Vehicle
F1 Farm Residential
F2 Farm Commercial
G1 Government
G2 Non Profit
G3 "Green" Solar
G4 "Green" Conservation
HH Home Heating (All Electric)
HT High Tension
MD Municipal Demand
R1 Residential
R2 Residential Solar
R3 Residential/TOU (T1) Solar
R4 Residential/Farm Solar

T1 Time of Use < 1000 kWh/month (Residential)
T2 Time of Use > 1000 kWh/month (Residential)

PL - Private Lighting Monthly Charge

50-Watt HPS or LED	$5.75
100-Watt HPS	$8.50
150/175-Watt Decorative	$12.00
100 Watt LED (250 equivalent)	$9.75
250-Watt HPS	$12.00
LED Flood	$12.00
400-Watt	$17.75

Each rate consists of the delivery services (which include the customer charge, distribution charge and transmission charge) as well as the generation charge. There is an early pay discount associated with all rates except the HT & MD rates.

The following shows the total rate per kilowatt hour (kWh) for each rate class:

R1—Residential | **HH**—Home Heating (All Electric) | **R2**—Residential Solar* | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
0-500 kWh	7.0¢	2.6¢	3.6¢	13.2¢	1.3¢	11.9¢
500 + kWh	8.2¢	2.6¢	3.6¢	14.4¢	1.3¢	13.1¢

Note: Rate Codes R1 and HH use the same rate schedule. HH was used when there was a separate rate for homes that used all electric heating.

F1—Farm Residential | **R4**—Residential/Farm Solar* | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
0-500 kWh	6.1¢	2.4¢	3.3¢	11.8¢	1.1¢	10.7¢
500 + kWh	7.2¢	2.4¢	3.3¢	12.9¢	1.1¢	11.8¢

C1—Commercial & Industrial | **C2**—Commercial Solar* | Customer Charge **$7.25**

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
9.2¢	2.7¢	4.6¢	16.5¢	1.5¢	15.0¢

F2—Farm Commercial | Customer Charge **$7.25**

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
8.2¢	2.6¢	4.3¢	15.1¢	1.4¢	13.7¢

*Solar Rate Accounts receive a credit for generation returned to the power grid

G1—Government/Municipalities | Customer Charge **$6.50**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
	9.2¢	2.7¢	4.4¢	16.3¢	1.5¢	14.8¢

MD—Municipal Demand | Customer Charge **$31.25** | *Additional requirements apply to this rate; contact our office for details*

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
	5.5¢	0.5¢	4.6¢	10.6¢	0.0¢	10.6¢

G2—Non-Profit | Customer Charge **$5.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
	9.0¢	2.6¢	3.8¢	15.4¢	1.4¢	14.0¢

G3—Green Solar | **G4—Green Conservation** | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
0-500 kWh	11.0¢	2.6¢	3.6¢	17.2¢	1.3¢	15.9¢
500 + kWh	12.1¢	2.6¢	3.6¢	18.3¢	1.3¢	17.0¢

Note: There is an additional 4 cents per kilowatt hour above our standard residential rate added to these rates. The additional funds collected are pooled and used to assist in the funding of solar panels (G3) and electric conservation (G4) within the town of Groton.

HT—High Tension | Customer Charge **$31.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
	5.5¢	2.6¢	4.3¢	12.4¢	0.0¢	12.4¢

T1—Time of Use < 1000 kWh per month | **R3**—Residential/TOU (T1) Solar* | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
11 p.m.–7 a.m.	4.4¢	2.6¢	3.5¢	10.5¢	1.3¢	9.2¢
7 a.m.–11 a.m. 7 p.m.–11 p.m.	7.3¢	2.6¢	3.5¢	13.4¢	1.3¢	12.1¢
11 a.m.–7 p.m.	9.8¢	2.6¢	3.5¢	15.9¢	1.3¢	14.6¢

T2—Time of Use >1000 kWh per month | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
11 p.m.–7 a.m.	4.8¢	2.6¢	3.5¢	10.9¢	1.3¢	9.6¢
7 a.m.–11 a.m. 7 p.m.–11 p.m.	7.8¢	2.6¢	3.5¢	13.9¢	1.3¢	12.6¢
11 a.m.–7 p.m.	10.4¢	2.6¢	3.5¢	16.5¢	1.3¢	15.2¢

EV—Electric Vehicle | Customer Charge **$4.25**

	Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
11 p.m.–7 a.m.	4.1¢	2.6¢	3.6¢	10.3¢	1.3¢	9.0¢
7 a.m.–11 p.m.	8.2¢	2.6¢	3.6¢	14.4¢	1.3¢	13.1¢

*Solar Rate Accounts receive a credit for generation returned to the power grid

If you feel you are being billed under the wrong rate code or would like to switch to a different rate class based on eligibility, please contact Sherrie or Tammi at 978-448-1150 to discuss your options.