

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,

2017

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

Official title: Manager

Form AC-19

Kevin Kelly

Office address: 23 Station Ave

Groton, MA 01450

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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, 2017, 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.

The financial statements included in the accompanying prescribed form are intended to comply 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.

Goulet, Salvidio & Associates P.C.

Goulet, Salvidio & Associates, P.C.

Worcester, Massachusetts
April 6, 2018

324 Grove Street Worcester, MA 01605 • 54 East Main Street Webster, MA 01570

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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. 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. 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,	Electric March 20, 1909 July 22, 1909 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 G. Petropoulos Groton, MA Barry A. Pease 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: Kevin J. Lindemer Groton, MA Rodney R. Hersh Groton, MA Bruce Easom Groton, MA		
8.	Total valuation of estates in town (or city) according to last State valuation (taxable)	\$	1,668,133,803
9.	Tax rate for all purposes during the year:	\$	18.67
10.	Amount of manager's salary:	\$	164,799
11.	Amount of manager's bond:	\$	100,000
12.	Amount of salary paid to members of municipal light board (each):	\$	-

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	9,400,000
3		
	TOTAL	9,400,000
4		
5	EXPENSES	
6	For operation, maintenance and repairs	8,700,000
7	For interest on bonds, notes or scrip	
8	For depreciation fund (3 % 18,374,572 as per page 8B)	551,237
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	122,350
12	For loss in preceding year	
13		
	TOTAL	9,373,587
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	540,443
19	Of electricity to be used for street lights	12,500
20	Total of above items to be included in the tax levy	552,943
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	552,943

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	4,927
		Littleton	6
		Westford	5
		Pepperell	16
		Ayer	1
TOTAL	0	TOTAL	4,955

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 <u> 0</u>

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

1.	Street lights	12,500
2.	Municipal buildings	540,443
3.		
		TOTAL <u> 552,943</u>

* Date of meeting and whether regular or special

** Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

- 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	37,350	annual	variable	semi-annual	72,860		
May 19, 2014	August 1, 2014	2,000,000	85,000	annual	variable	semi-annual	1,750,000		
	TOTAL	3,353,860						TOTAL	1,822,860

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					
5			0				
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						
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						
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					852,002
3	361 Structures and Improvements	416,080	85,932				502,012
4	362 Station Equipment	1,766,968	7,810				1,774,778
5	363 Storage Battery Equipment	0					0
6	364 Poles Towers and Fixtures	2,201,997	82,351	(32,855)			2,251,493
7	365 Overhead Conductors and Devices	3,095,551	219,113				3,314,664
8	366 Underground Conduit	375,591	926				376,517
9	367 Underground Conductors and Devices	681,710	12,596				694,306
10	368 Line Transformers	1,209,338	41,807	(32,708)			1,218,437
11	369 Services	242,599					242,599
12	370 Meters	779,997	153,605	(71,920)			861,682
13	371 Installations on Customer's Premises	35,217					35,217
14	372 Leased Prop on Customer's Premises	17,393					17,393
15	373 Streetlight and Signal Systems	238,859	11,719				250,578
16	Total Distribution Plant	11,913,302	615,859	(137,483)	0	0	12,391,678
17	5. GENERAL PLANT						
18	389 Land and Land Rights	367,200					367,200
19	390 Structures and Improvements	4,723,854					4,723,854
20	391 Office Furniture and Equipment	138,547					138,547
21	392 Transportation Equipment	1,441,377	24,852				1,466,229
22	393 Stores Equipment	20,799					20,799
23	394 Tools, Shop and Garage Equipment	81,293					81,293
24	395 Laboratory Equipment	27,500					27,500
25	396 Power Operated Equipment	214,463					214,463
26	397 Communication Equipment	8,898					8,898
27	398 Miscellaneous Equipment	153,313					153,313
28	399 Other Tangible Property	0					0
29	Total General Plant	7,177,244	24,852	0	0	0	7,202,096
30	Total Electric Plant in Service	19,090,546	640,711	(137,483)	0	0	19,593,774
31							19,593,774
32							1,219,202
33							18,374,572
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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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)	13,380,752	13,479,048	98,296
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	13,380,752	13,479,048	98,296
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	187,623	189,248	1,625
14	128	Other Special Funds	1,935,647	1,823,122	(112,525)
15		Total Funds	2,123,270	2,012,370	(110,900)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	303,947	51,904	(252,043)
18	132	Special Deposits	259,487	256,692	(2,795)
19	135	Working Funds	500	500	0
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	916,827	922,107	5,280
22	143	Other Accounts Receivable	170,498	458,200	287,702
23	146	Receivables from Municipality	0	0	0
24	151	Materials and Supplies (P. 14)	465,279	510,709	45,430
25					
26	165	Prepayments	991,254	1,003,958	12,704
27	174	Miscellaneous Current Assets	1,556	8,256	6,700
28		Total Current and Accrued Assets	3,109,348	3,212,326	102,978
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	322,083	581,617	259,534
33		Total Deferred Debits	322,083	581,617	259,534
34					
35		Total Assets and Other Debits	18,935,453	19,285,361	349,908

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	1,391,810	1,514,160	122,350
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	7,473,021	7,403,922	(69,099)
8		Total Surplus	8,864,831	8,918,082	53,251
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	1,945,210	1,822,860	(122,350)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	1,945,210	1,822,860	(122,350)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,072,379	1,366,485	294,106
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	243,335	239,569	(3,766)
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	0	0	0
19	242	Miscellaneous Current and Accrued Liabilities	602,119	515,182	(86,937)
20		Total Current and Accrued Liabilities	1,917,833	2,121,236	203,403
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	52,979	49,966	(3,013)
23	252	Customer Advances for Construction	153,523	122,250	(31,273)
24	253	Other Deferred Credits	233,084	194,170	(38,914)
25		Total Deferred Credits	439,586	366,386	(73,200)
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	0	0	0
28	261	Property Insurance Reserve	128,519	130,064	1,545
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	3,147,283	3,427,821	280,538
31	265	Miscellaneous Operating Reserves	1,807,128	1,693,058	(114,070)
32		Total Reserves	5,082,930	5,250,943	168,013
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction	685,063	805,854	120,791
35		Total Liabilities and Other Credits	18,935,453	19,285,361	349,908

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)	9,371,716	(294,540)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	8,093,630	17,276
5	402 Maintenance Expense	918,355	138,357
6	403 Depreciation Expense	446,089	14,243
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	9,458,074	169,876
11	Operating Income	(86,358)	(464,416)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	(86,358)	(464,416)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	41,382	(360)
17	419 Interest Income	26,426	3,461
18	421 Miscellaneous Nonoperating Income (P. 21)	141,118	141,118
19	Total Other Income	208,926	144,219
20	Total Income	122,568	(320,197)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(19,827)	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(19,827)	0
25	Income Before Interest Charges	142,395	(320,197)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	58,441	(6,610)
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	1,716	1,413
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	57,144	(5,197)
33	NET INCOME	85,251	(315,000)
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		7,473,021
35			
36			
37	433 Balance Transferred from Income	0	85,251
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)	154,350	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	7,403,922	
43			
44	TOTALS	7,558,272	7,558,272

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operation Fund	51,904	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	51,904	
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))	510,709	
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	510,709	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year		187,623
26	Income during year from balance on deposit (interest)		1,625
27	Amount transferred from income (depreciation)		200,000
28	Bond Proceeds		0
29	TOTAL		389,248
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)		200,000
32	Amounts expended for renewals,viz:-		
33	Power Contract Settlement		
34	Amount expended for bond payment		0
35			
36			
37			
38			
39	Balance on hand at end of year		189,248
40	TOTAL		389,248

UTILITY PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		Such items should be included in effect of such amounts.					
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year.		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							
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						
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	247,178	85,932	10,400		0	322,710
4	362 Station Equipment	894,490	7,810	44,176		0	858,124
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	473,741	82,351	54,705		0	501,387
7	365 Overhead Conductors and Devices	1,882,435	219,113	77,389		0	2,024,159
8	366 Underground Conduit	217,351	926	9,390		0	208,887
9	367 Underground Conductors and Devices	473,400	12,596	17,043		0	468,953
10	368 Line Transformers	663,601	41,807	30,233		0	675,175
11	369 Services	13,812	0	6,065		0	7,747
12	370 Meters	642,623	153,605	19,585		0	776,643
13	371 Installations on Customer's Premises	29,653	0	880		0	28,773
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	68,938	11,719	5,972		-	74,685
16	Total Distribution Plant	6,459,224	615,859	275,838	0	0	6,799,245
17	5. GENERAL PLANT						
18	389 Land and Land Rights	367,200	0	0		0	367,200
19	390 Structures and Improvements	4,601,624	0	118,096		0	4,483,528
20	391 Office Furniture and Equipment	135,275	0	3,464		0	131,811
21	392 Transportation Equipment	1,335,464	24,852	36,034		0	1,324,282
22	393 Stores Equipment	11,997	0	520		0	11,477
23	394 Tools, Shop and Garage Equipment	23,633	0	2,032		0	21,601
24	395 Laboratory Equipment	10,822	0	687		0	10,135
25	396 Power Operated Equipment	95,317	0	5,362		0	89,955
26	397 Communication Equipment	8,676	0	222		0	8,454
27	398 Miscellaneous Equipment	114,004	0	3,834		0	110,170
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	6,704,012	24,852	170,251	0	0	6,558,613
30	Total Electric Plant in Service	13,163,236	640,711	446,089	0	0	13,357,858
31	104 Utility Plant Leased to Others	0	0	0		0	0
32	105 Property Held for Future Use	0	0	0		0	0
33	107 Construction Work in Progress	217,516	75,462	0	0	(171,788)	121,190
34	Total Utility Plant Electric	13,380,752	716,173	446,089	0	(171,788)	13,479,048

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				
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.

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Mutual Aid	141,118
2		
3		
4		
5		
6	TOTAL	141,118
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	32,000
34	Loan Repayments	122,350
35		
36		
37		
38		
39		
40	TOTAL	154,350

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)	3,911,563	540,443	0.1382	
6						
7						
8						
9						
10						
11						
12		TOTALS	3,911,563	540,443	0.1382	
13	444-1	Street Lighting	82,597	12,500	0.1513	
14						
15						
16						
17						
18		TOTALS	82,597	12,500	0.1513	
19		TOTALS	3,994,160	552,943	0.1384	
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	

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

Operating Revenues

Kilowatt-hours Sold

Average Number of Customers per Month

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	5,207,121	(219,352)	43,192,876	(891,519)	4,321	30
3	442 Commercial and Industrial Sales	1,885,835	(28,811)	13,284,750	(2,813)	328	10
4	Small Commercial B Sales	1,254,947	(56,345)	8,614,200	(349,300)	3	0
5	Large Commercial C Sales	552,943	(14,254)	3,994,160	(17,222)	62	(1)
6	444 Municipal Sales	0	0	0	0	0	0
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	117,485	(475)	812,280	(12,397)	47	0
11	Total Sales to Ultimate Consumers	9,018,331	(319,237)	69,898,266	(1,273,251)	4,761	39
12	447 Sales for Resale	0	0	0	0	0	0
13	Total Sales of Electricity*	9,018,331	(319,237)	69,898,266	(1,273,251)	4,761	39
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	149,270	15,480				
16	451 Miscellaneous Service Revenues	27,861	(2,231)				
17	453 Sales of Water and Water Power	0	0				
18	454 Rent from Electric Property	176,254	11,448				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	0	0				
21							
22							
23							
24							
25	Total Other Operating Revenues	353,385	24,697				
26	Total Electric Operating Revenue	9,371,716	(294,540)				

* Includes revenues from application of fuel clauses \$ 0

Total KWH to which applied 69,898,266

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	40,501,960	4,882,407	0.1205	4,130	4,145
2	440.000	House Heating	2,535,951	308,386	0.1216	191	190
3	442.000	Commercial	12,821,928	1,824,744	0.1423	307	312
4	442.000	Large Commercial	8,614,200	1,254,947	0.1457	3	3
5	444.000	Street Lighting	82,597	12,500	0.1513	1	1
6	444.000	Municipal	3,911,563	540,443	0.1382	62	62
7	444.000	Not for Profit	645,767	87,538	0.1356	37	37
8	445.000	Private Yard Lights	166,513	29,947	0.1798	12	10
9	446.000	Residential Farm	154,965	16,328	0.1054	9	9
10	446.000	Commercial Farm	462,822	61,091	0.1320	18	18
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			69,898,266	9,018,331	0.1290	4,770	4,787

ELECTRIC OPERATION AND MAINTENANCE EXPENSES			
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	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	4,161,794	(791,706)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	4,161,794	(791,706)
30	Total power production expenses	4,161,794	(791,706)
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	2,334,877	697,085
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	2,334,877	697,085
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	2,334,877	697,085

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	49,025	6,222
5	582 Station expenses	16,058	10,115
6	583 Overhead line expenses	23,479	4,881
7	584 Underground line expenses	20,022	17,621
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	268	217
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	21,464	15,323
12	589 Rents	1,088	359
13	Total operation	131,404	54,738
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	722,638	(9,117)
19	594 Maintenance of underground lines	30,529	29,284
20	595 Maintenance of line transformers	88,103	88,103
21	596 Maintenance of street lighting and signal systems	3,180	1,182
22	597 Maintenance of meters	27,101	2,030
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	871,551	111,482
25	Total distribution expenses	1,002,955	166,220
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	73,248	(3,648)
30	903 Customer records and collection expenses	219,828	20,692
31	904 Uncollectible accounts	(66)	1,738
32	905 Miscellaneous customer accounts expenses	945	(9,805)
33	Total customer accounts expenses	293,955	8,977
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	22,836	5,913
40	Total sales expenses	22,836	5,913
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	270,734	3,782
44	921 Office supplies and expenses	57,665	1,671
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	38,890	4,200
47	924 Property insurance	63,797	1,987
48	925 Injuries and damages	4,011	(1,372)
49	926 Employee pensions and benefits	680,484	24,693
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	33,183	7,308
53	931 Rents	0	0
54	Total operation	1,148,764	42,269

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	46,804	26,875	
4	Total administrative and general expenses	1,195,568	69,144	
5	Total Electric Operation and Maintenance Expenses	9,011,985	155,633	
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	4,161,794	0	4,161,794
13	Total power production expenses	4,161,794		4,161,794
14	Transmission Expenses	2,334,877		2,334,877
15	Distribution Expenses	131,404	871,551	1,002,955
16	Customer Accounts Expenses	293,955		293,955
17	Sales Expenses	22,836		22,836
18	Administrative and General Expenses	1,148,764	46,804	1,195,568
19	Total Electric Operation and			
20	Maintenance Expenses	8,093,630	918,355	9,011,985
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)			100.92%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.		\$	1,370,655
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			13

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					
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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				41,382
5	Commissions				0
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	0	0	0	41,382
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	41,382

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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								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)

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	4,950,937	33,841	24,359	56,459	114,659	\$0.0232	1
60 MINUTES	69 kv	35,308	34,690	8,441	5,475	48,606	N/A	2
60 MINUTES	69 kv	769,336	103,644	41,758	2,091	147,493	\$0.1917	3
60 MINUTES	69 kv	158,141	4,360	954	10	5,324	\$0.0337	4
60 MINUTES	69 kv	1,514,927	53,554	10,131	1,057	64,742	\$0.0427	5
60 MINUTES	69 kv	954,727	41,296	6,389	748	48,433	\$0.0507	6
60 MINUTES	69 kv	3,194,583	98,483	19,299	207	117,989	\$0.0369	7
60 MINUTES	69 kv	392,139	14,122	2,364	25	16,511	\$0.0421	8
60 MINUTES	69 kv	9,125,203	512,520	55,249	592	568,361	\$0.0623	9
60 MINUTES	69 kv	0	0	0	12,339	12,339	N/A	10
60 MINUTES	69 kv	0	0	0	346,790	346,790	N/A	11
60 MINUTES	69 kv	0	0	0	(407)	(407)	N/A	12
60 MINUTES	69 kv	0	0	0	1,422,364	1,422,364	N/A	13
60 MINUTES	69 kv	20,488,000	0	1,090,342	0	1,090,342	\$0.0532	14
60 MINUTES	69 kv	2,733,716	327,395	0	0	327,395	\$0.1198	15
		1,355,780	0	68,242	31	68,273	\$0.0504	16
		0	0	0	13,313	13,313	N/A	17
		0	0	0	96,456	96,456	N/A	18
		0	0	0	1,395	1,395	N/A	19
		0	0	0	(409,649)	(409,649)	N/A	20
		0	0	0	(127,383)	(127,383)	N/A	21
		3,426,324	0	0	188,448	188,448	\$0.0550	22
								23
								24
								25
								26
								27
								28
								29
								30
	TOTALS:	49,099,121	1,223,905	1,327,528	1,610,361	4,161,794		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

No.	Company	Point of Interchange	69kv	75,716,650	48,864,420	26,852,230	2,334,877	
1	NEPEX	LOWELL ROAD						
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
				TOTALS	75,716,650	48,864,420	26,852,230	2,334,877

B. Details of Settlement for Interchange Power

No.	Particulars	Amount (k)
13		
14		
15		
16	INTERCHANGE EXPENSE	2,198,513
17	NEPOOL EXPENSE	136,364
18		
19		
20		
21		
TOTAL		2,334,877

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		49,099,121
9		(In (gross) 75,716,650	
10	Interchanges	< Out (gross) 48,864,420	
11		(Net (Kwh)	26,852,230
12		(Received	
13	Transmission for/by others (wheeling)	< Delivered	
14		(Net (Kwh)	0
15	TOTAL		75,951,351
16	DISPOSITION OF ENERGY		
17	Sales to ultimate consumers (including interdepartmental sales)		69,898,266
18	Sales for resale		0
19	Energy furnished without charge		0
20	Energy used by the company (excluding station use):		
21	Electric department only		142,788
22	Energy losses		
23	Transmission and conversion losses	1,596,120	
24	Distribution losses	5.68% 4,314,177	
25	Unaccounted for losses		
26	Total energy losses		5,910,297
27	Energy losses as percent of total on line	7.78%	
28		TOTAL	75,951,351

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					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	13,697	Monday	9	7:00 PM	60 min	6,886,866
30	February	13,223	Thursday	9	7:00 PM	60 min	5,929,705
31	March	12,137	Sunday	5	7:00 PM	60 min	6,352,916
32	April	10,655	Thursday	6	8:00 PM	60 min	5,352,373
33	May	14,721	Thursday	8	9:00 PM	60 min	5,646,475
34	June	16,760	Monday	12	7:00 PM	60 min	6,541,576
35	July	16,229	Wednesday	19	7:00 PM	60 min	7,079,260
36	August	15,907	Tuesday	1	7:00 PM	60 min	6,986,421
37	September	15,002	Monday	25	7:00 PM	60 min	6,199,090
38	October	11,695	Tuesday	10	8:00 PM	60 min	5,682,458
39	November	11,877	Tuesday	28	7:00 PM	60 min	5,995,601
40	December	14,326	Thursday	28	7:00 PM	60 min	7,298,610
41						TOTAL	75,951,351

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		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								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
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31								
32								
33								
34								
35								
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

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			

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 (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

5. Show in columns (i), (j), and (k) special 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	116.656		116.656
2	Added During Year	0.000		0.000
3	Retired During Year	0.000		0.000
4	Miles -- End of Year	116.656	0.00	116.656
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:	4,750	5,092	1,846	65,960.0
17	Additions during year				
18	Purchased	0	920	19	4,357.5
19	Installed	51	0	16	987.5
20	Associated with utility plant acquired				
21	Total Additions	51	920	35	5,345.0
22	Reductions during year:				
23	Retirements	13	464	44	780.0
24	Associated with utility plant sold				
25	Total Reductions	13	464	44	780.0
26	Number at end of year	4,788	5,548	1,837	70,525.0
27	In stock		613	138	13,513.0
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		4,927	1,699	57,012.0
31	In company's use		8	0	0.0
32	Number at end of year		5,548	1,837	70,525.0

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	Wewel Extension		0.470	0.470	2,400	
2	Chapel Hill		0.100	0.100	13,800	
3	Lawrence Academy Disp. Plant		0.160	0.160	13,800	
4	Baker's Coveaway			0.400	2,400	
5	Grainger Extension			0.060	2,400	
6	Longley Rd. Ext. - Manderson Ext.			0.200	2,400	
7	Gutteridge Extension			0.100	2,400	
8	Lawrence Academy Skating Rink		0.190	0.190	13,800	
9	Allan Friedrick Extension			0.090	2,400	
10	Kenneth Young Extension			0.030	2,400	
11	Lowell Rd. Feeder - Fiber Duct &		0.050	0.080	13,800	
12	Baddacock Pond - Kimmens Feeder			0.150	2,400	
13	Baddacock Pond - Holland			0.230	2,400	
14	North Main Street Baptist Church		0.040	0.040	13,800	
15	Main Street - Harvard Trust		0.030	0.030	13,800	
16	Flavell Road Extension		1.004	1.000	2,400/13,800	
17	Higley Street - Lawrence Ext.			0.250	13,800	
18	Hemlock Park - Gutteridge			0.130	2,400/13,800	
19	Burnt Meadow - Black Ext. Plastic Duct			0.140	13,800	
20	Paquawket Path			0.730	7,960	
21	Throne Hill Road		0.730	0.440	7,960	
22	Valliria Drive		0.230	0.230	7,960	
23	Longley Road - Minor		0.104	0.104	7,960	
24	Longley Estates - II		0.470	0.470	7,960	
25	Nashua Hills		0.180	0.180	7,960	
26	Longley Road - Graco		0.130	0.130	7,960	
27	Laurel Road		0.360	0.360	7,960	
28	Augustine Drive		0.210	0.210	7,960	
29	Britt Lane		0.210	0.210	7,960	
30	Star House Lane		0.170	0.170	7,960	
31	Main Street (Insko)		0.080	0.080	15,000	
32	Stone Cleave		0.100	0.100	7,960	
33	Throne Hill Lot #27		0.040	0.040	7,960	
34	SUBTOTALS		5.498	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	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	New Pond Road	0.500	0.500	7,960		
2	Crosswinds	1.580	1.580	7,960		
3	Old Homestead	0.280	0.280	7,960		
4	Island Pond Road	0.120	0.120	7,960		
5	Fertledale	0.120	0.120	7,960		
6	Old Homestead II	0.150	0.150	7,960		
7	Farmers Row	0.060	0.060	7,960		
8	Carmichael	0.310	0.310	7,960		
9	McLains Woods	0.250	0.250	7,960		
10	Crosswinds II	1.560	1.560	7,960		
11	Martins Pond Road	0.060	0.060	7,960		
12	Castle Drive	0.500	0.500	7,960		
13	Regional School	0.660	0.660	13,800		
14	Brookfield Drive	0.160	0.160	7,960		
15	Fletcher Hill	0.280	0.280	7,960		
16	Fitch Bridge Estates	0.210	0.210	7,960		
17	Old Carriage Path	0.380	0.380	7,960		
18	Martins Pond Road	0.580	0.580	7,960		
19	Whiley Road	0.150	0.150	7,960		
20	Chicopee Row	0.060	0.060	7,960		
21	Castle Drive	0.060	0.060	7,960		
22	Main Street - Market	0.060	0.060	13,800		
23	Townsend Road - LA Valley	0.110	0.110	7,960		
24	Duck Pond Road	0.080	0.080	7,960		
25	Willow Dale	0.080	0.080	13,800		
26	Carriage Path	0.090	0.090	7,960		
27	Groton Woods (LA Combe)	0.410	0.410	13,800		
28	Lowell Road (Petapawaug)	0.030	0.030	13,800		
29	Castle Drive Lots 19&20	0.070	0.070	7,960		
30	Throne Hill Lot 28	0.220	0.220	7,960		
31	Cross Winds	0.040	0.040	7,960		
32	Watson Way	0.090	0.090	7,960		
33	Northwoods	0.586	0.410	7,960		
34	Whily Road	0.200	0.200	7,960		
35	Stone Bridge	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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	Hawtree Lane	0.177	0.177	7,960		
2	Partridge Berry	0.869	0.869	13,800		
3	Meadows Brook	0.381	0.381	7,960		
4	Charles Road	0.063	0.063	7,960		
5	Common Street	0.081	0.081	7,960		
6	Fox Run	0.153	0.153	7,960		
7	Brown Lane	0.104	0.104	7,960		
8	Groton School	0.208	0.208	13,800		
9	N.Main Street	0.120	0.120	13,800		
10	Balcom Estates	0.221	0.221	7,960		
11	Spencer Circle	0.335	0.335	7,960		
12	Chicopee Row	0.062	0.062	7,960		
13	Smith Street	0.270	0.270	7,960		
14	Reedy Meadow	0.131	0.131	7,960		
15	Gay Hill	0.114	0.114	7,960		
16	High Street	0.033	0.033	7,960		
17	Little Hollow Road	0.244	0.244	7,960		
18	Lowell Road	0.145	0.145	7,960		
19	Kirk Farm Road	0.470	0.470	7,960		
20	Duck Pond Road	0.065	0.065	7,960		
21	Maura Lane	0.270	0.270	7,960		
22	Sandy Pond Road	0.130	0.130	7,960		
23	O'Neil Way	0.113	0.113	7,960		
24	River Bend Road	0.433	0.433	13,800		
25	Wintergreen Road	0.439	0.439	13,800		
26	Carmichael Way	0.211	0.211	7,960		
27	Hayden Road	0.046	0.046	7,960		
28	Shirley Street	0.061	0.061	7,960		
29	Fairway Drive	0.031	0.031	7,960		
30	Groton School	0.038	0.038	13,800		
31	Lovers Lane	0.097	0.097	7,960		
32	Indian Hill Road	0.085	0.085	7,960		
33	Kailey Way	0.622	0.622	7,960		
34	Sandy Pond Road	0.049	0.049	13,800		
35	Dolan Way	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	0.159	7,960			
2	Duck Pond Road	0.226	7,960			
3	Overlook Drive	0.097	7,960			
4	Chicopee Row	0.478	7,960			
5	Kirk Farm Road	0.163	7,960			
6	Nashua Road	0.544	7,960			
7	Acord Path	0.054	7,960			
8	Charles Way	0.073	7,960			
9	Orr Road	0.263	7,960			
10	Skyfield Drive	0.029	7,960			
11	Badacock Woods	0.380	7,960			
12	Bryan Wood	0.209	7,960			
13	Duck Pond	0.086	7,960			
14	Deer Haven	0.781	13,800			
15	Pacer Way	0.703	7,960			
16	Wintergreen	0.083	7,960			
17	Chicopee	0.129	7,960			
18	Burtimeadow	0.103	7,960			
19	Lovers Lane	0.075	7,960			
20	Ames Meadow	1.585	7,960			
21	Rockwood Lane	0.262	7,960			
22	Duck Pond Road	0.039	7,960			
23	Autumn Leaf Drive	0.152	7,960			
24	Boston Road	0.217	7,960			
25	Nicole Drive	0.248	7,960			
26	Burtimeadow	0.084	7,960			
27	Mill Street	0.155	7,960			
28	Integrity Way	0.158	7,960			
29	Hayden Road	0.038	7,960			
30	Northwoods	0.104	7,960			
31	Woodland Park	0.394	7,960			
32	Little Hollow Lane	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	Miles of Conduit Bank (All Sizes and Types)		Underground Cable		Submarine Cable
		(b)	(c)	Operating Voltage	Feet *	Operating Voltage
	(a)	(b)	(c)	(d)	(e)	(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	Baddacock	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

<p align="center">CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)</p> <p align="center">Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.</p>						
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)		Underground Cable (c)		Submarine Cable Operating Voltage (f)
				Miles *	Operating Voltage (d)	
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			39.429	41.059		0

*indicate number of conductors per cable

<p align="center">CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)</p> <p align="center">Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.</p>						
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types)			Submarine Cable Feet* (e)	Operating Voltage (f)
		(b)	(c)	(d)		
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 Road	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			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	253	191	0	0	0	0	0	0	62	0
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52	TOTALS	253	191	0	0	0	0	0	0	62	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
		See Attached Rate Schedules		

SUMMARY OF RATES

Rates Effective as of the January 1, 2018 bill



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

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	\$4.75
100-Watt	\$6.50
175-Watt	\$8.75
250-Watt	\$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¢	3.1¢	12.7¢	1.3¢	11.4¢
500 + kWh	8.1¢	2.6¢	3.1¢	13.8¢	1.3¢	12.5¢

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	6.2¢	2.4¢	2.8¢	11.4¢	1.1¢	10.3¢
500 + kWh	7.3¢	2.4¢	2.8¢	12.5¢	1.1¢	11.4¢

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¢	4.0¢	15.9¢	1.5¢	14.4¢

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¢	3.8¢	14.6¢	1.4¢	13.2¢

*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¢	3.8¢	15.7¢	1.5¢	14.2¢

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¢	0.4¢	4.0¢	9.9¢	0.0¢	9.9¢

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¢	3.3¢	14.9¢	1.4¢	13.5¢

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¢	3.1¢	16.7¢	1.3¢	15.4¢
500+ kWh	12.1¢	2.6¢	3.1¢	17.8¢	1.3¢	16.5¢

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¢	3.8¢	11.9¢	0.0¢	11.9¢

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.	4.5¢	2.6¢	3.0¢	10.1¢	1.3¢	8.8¢
7 a.m.–11 a.m.	7.3¢	2.6¢	3.0¢	12.9¢	1.3¢	11.6¢
7 p.m.–11 p.m.	9.7¢	2.6¢	3.0¢	15.3¢	1.3¢	14.0¢

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.	4.9¢	2.6¢	3.0¢	10.5¢	1.3¢	9.2¢
7 a.m.–11 a.m.	7.8¢	2.6¢	3.0¢	13.4¢	1.3¢	12.1¢
7 p.m.–11 p.m.	10.3¢	2.6¢	3.0¢	15.9¢	1.3¢	14.6¢

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.	4.6¢	2.6¢	3.1¢	10.3¢	1.3¢	9.0¢
7 a.m.–11 p.m.	8.1¢	2.6¢	3.1¢	13.8¢	1.3¢	12.5¢

*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.

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