

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,

2014

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

GOULET, SALVIDIO & ASSOCIATES, P.C.

CERTIFIED PUBLIC ACCOUNTANTS

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INDEPENDENT ACCOUNTANTS' COMPILED REPORT

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

We have compiled the balance sheet of Groton Electric Light Department as of December 31, 2014 and the related statements of income and unappropriated retained earnings for the year then ended included in the accompanying prescribed form. We have not audited or reviewed the financial statements included in the accompanying prescribed form and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with the form prescribed by the Massachusetts Department of Public Utilities.

Management is responsible for the preparation and fair presentation of the financial statements included in the form prescribed by the Massachusetts Department of Public Utilities and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

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 the management 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, 2015

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GENERAL INFORMATION**Page 3**

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 as of December 31, 2007:		
Kevin Kelly	c/o GELD - 23 Station Ave Groton, MA 01450	
4. Name and address of mayor or selectmen:		
Peter S. Cunningham	Groton, MA	
Joshua A. Degen	Groton, MA	
Anna Eliot	Groton, MA	
John G. Petropoulos	Groton, MA	
Stuart Schulman	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)	\$	1,531,004,928
9. Tax rate for all purposes during the year:	\$	18.27
10. Amount of manager's salary:	\$	152,456
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		10,070,000
3		TOTAL	10,070,000
4			
5	EXPENSES		
6	For operation, maintenance and repairs		9,567,000
7	For interest on bonds, notes or scrip		
8	For depreciation fund (3 %	12,157,903	as per page 8B) 364,737
9	For sinking fund requirements		
10	For note payments		
11	For bond payments		83,000
12	For loss in preceding year		
13		TOTAL	10,014,737
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		555,000
19	Of electricity to be used for street lights		17,800
20	Total of above items to be included in the tax levy		572,800
21			
22	New construction to be included in the tax levy		
23	Total amounts to be included in the tax levy		572,800

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	4,827
		Littleton	7
		Westford	6
		Pepperell	16
TOTAL	0	TOTAL	4,856

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	17,800
2. Municipal buildings	555,000
3.	
	TOTAL _____ 572,800

* 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	38,280	annual	variable	semi-annual	185,840
May 19, 2014	August 1, 2014	2,000,000	80,000	annual	variable	semi-annual	2,000,000
TOTAL		3,353,860				TOTAL	2,185,840

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		preceding year. Such items should be included in column (c) or (d) as appropriate.				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				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						0
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	426,953					426,953
3	361 Structures and Improvements	188,751	211,915				400,666
4	362 Station Equipment	1,524,678					1,524,678
5	363 Storage Battery Equipment	-					0
6	364 Poles Towers and Fixtures	2,128,457	50,785	(29,744)			2,149,498
7	365 Overhead Conductors and Devices	2,368,294	191,223				2,559,517
8	366 Underground Conduit	361,214	3,003				364,217
9	367 Underground Conductors and Devices	558,015	19,917				577,932
10	368 Line Transformers	1,101,530	60,632	(28,691)			1,133,471
11	369 Services	242,599					242,599
12	370 Meters	630,676	3,228				633,904
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	161,118	3,220				164,338
16	Total Distribution Plant	9,744,895	543,923	(58,435)	0	0	10,230,383
17	5. GENERAL PLANT						
18	389 Land and Land Rights	328,726					328,726
19	390 Structures and Improvements	139,509					139,509
20	391 Office Furniture and Equipment	269,185					269,185
21	392 Transportation Equipment	1,416,732	24,375	(23,700)			1,417,407
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	31,004					31,004
27	398 Miscellaneous Equipment	153,313					153,313
28	399 Other Tangible Property	0					0
29	Total General Plant	2,682,524	24,375	(23,700)	0	0	2,683,199
30	Total Electric Plant in Service	12,427,419	568,298	(82,135)	0	0	12,913,582
31					Total Cost of Electric Plant.....		12,913,582
33					Less Cost of Land, Land Rights, Rights of Way.....		755,679
34					Total Cost upon which Depreciation is based		12,157,903

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)	7,633,861	7,634,050	189
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	7,633,861	7,634,050	189
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	2,533,546	1,433,569	(1,099,977)
14	128	Other Special Funds	1,724,740	1,524,740	(200,000)
15		Total Funds	4,258,286	2,958,309	(1,299,977)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	322,897	789,774	466,877
18	132	Special Deposits	245,281	247,880	2,599
19	135	Working Funds	500	500	0
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	959,581	1,030,270	70,689
22	143	Other Accounts Receivable	1,180,303	4,007,444	2,827,141
23	146	Receivables from Municipality	0	0	0
24	151	Materials and Supplies (P. 14)	470,738	469,968	(770)
25					
26	165	Prepayments	942,100	991,925	49,825
27	174	Miscellaneous Current Assets	1,556	1,556	0
28		Total Current and Accrued Assets	4,122,956	7,539,317	3,416,361
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	116,180	0	(116,180)
33		Total Deferred Debits	116,180	0	(116,180)
34					
35		Total Assets and Other Debits	16,131,283	18,131,676	2,000,393

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	1,112,900	1,151,180	38,280
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	10,491,371	10,560,735	69,364
8		Total Surplus	11,604,271	11,711,915	107,644
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	224,120	2,185,840	1,961,720
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	224,120	2,185,840	1,961,720
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,187,180	1,170,982	(16,198)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	232,861	234,021	1,160
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	0	0	0
19	242	Miscellaneous Current and Accrued Liabilities	633,974	601,757	(32,217)
20		Total Current and Accrued Liabilities	2,054,015	2,006,760	(47,255)
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	0	59,005	59,005
23	252	Customer Advances for Construction	464,220	414,356	(49,864)
24	253	Other Deferred Credits	7,971	5,650	(2,321)
25		Total Deferred Credits	472,191	479,011	6,820
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	0	0	0
28	261	Property Insurance Reserve	128,956	128,693	(263)
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	0	0	0
31	265	Miscellaneous Operating Reserves	1,575,217	1,385,405	(189,812)
32		Total Reserves	1,704,173	1,514,098	(190,075)
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction	72,513	234,052	161,539
35		Total Liabilities and Other Credits	16,131,283	18,131,676	2,000,393

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)	9,731,825	116,511
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	8,397,838	(55,575)
5	402 Maintenance Expense	847,987	(40,339)
6	403 Depreciation Expense	350,152	13,427
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	9,595,977	(82,487)
11	Operating Income	135,848	198,998
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	135,848	198,998
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	37,408	(51,502)
17	419 Interest Income	24,655	(2,913)
18	421 Miscellaneous Nonoperating Income (P. 21)	49,000	49,000
19	Total Other Income	111,063	(5,415)
20	Total Income	246,911	193,583
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(2,175)	(2,175)
23	426 Other Income Deductions	86,130	86,130
24	Total Income Deductions	83,955	83,955
25	Income Before Interest Charges	162,956	109,628
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	26,540	19,245
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt - Credit	(1,255)	(1,255)
30	431 Other Interest Expense	27	(378)
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	25,312	17,612
33	NET INCOME	137,644	92,016
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		10,491,371
35			
36			
37	433 Balance Transferred from Income	0	137,644
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)	68,280	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	10,560,735	
43			
44	TOTALS	10,629,015	10,629,015

CASH BALANCES AT END OF YEAR

Line No.	Items (a)	Amount (b)
1	Operation Fund	789,774
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	789,774

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))		469,968
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	469,968	0

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year	2,533,546
26	Income during year from balance on deposit (interest)	9,337
27	Amount transferred from income (depreciation)	116,717
28	Bond Proceeds	1,500,000
29		TOTAL 4,159,600
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	2,685,112
32	Amounts expended for renewals,viz:-	
33	Power Contract Settlement	
34	Amount expended for bond payment	40,919
35		
36		
37		
38		
39	Balance on hand at end of year	1,433,569
40		TOTAL 4,159,600

UTILITY PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c). effect of such amounts.					
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative 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	426,953	0	0		0	426,953
3	361 Structures and Improvements	47,548	211,915	5,663		0	253,800
4	362 Station Equipment	781,869	0	45,740		0	736,129
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	488,809	50,785	63,854		0	475,740
7	365 Overhead Conductors and Devices	1,333,437	191,223	73,185		0	1,451,475
8	366 Underground Conduit	234,088	3,003	10,836		0	226,255
9	367 Underground Conductors and Devices	400,657	19,917	16,740		0	403,834
10	368 Line Transformers	614,197	60,632	33,046		0	641,783
11	369 Services	34,433	0	7,278		0	27,155
12	370 Meters	544,924	3,228	18,920		0	529,232
13	371 Installations on Customer's Premises	32,645	0	1,056		0	31,589
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	0	3,220	3,220		-	0
16	Total Distribution Plant	4,939,560	543,923	279,538	0	0	5,203,945
17	5. GENERAL PLANT						
18	389 Land and Land Rights	328,726	0	0		0	328,726
19	390 Structures and Improvements	0	0	0		0	0
20	391 Office Furniture and Equipment	154,680	0	8,076		0	146,604
21	392 Transportation Equipment	1,411,763	24,375	46,687		0	1,389,451
22	393 Stores Equipment	13,765	0	624		0	13,141
23	394 Tools, Shop and Garage Equipment	30,543	0	2,439		0	28,104
24	395 Laboratory Equipment	13,159	0	825		0	12,334
25	396 Power Operated Equipment	113,547	0	6,434		0	107,113
26	397 Communication Equipment	6,673	0	930		0	5,743
27	398 Miscellaneous Equipment	127,035	0	4,599		0	122,436
28	399 Other Tangible Property	0	0			0	0
29	Total General Plant	2,199,891	24,375	70,614	0	0	2,153,652
30	Total Electric Plant in Service	7,139,451	568,298	350,152	0	0	7,357,597
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	494,410	19,366		(237,323)		276,453
34	Total Utility Plant Electric	7,633,861	587,664	350,152	0	(237,323)	7,634,050

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	Grant Revenue	49,000
2		
3		
4		
5		
6		
	TOTAL	49,000
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7	Grant Expense	49,230
8	Bond Issuance Costs	36,900
9		
10		
11		
12		
13		
14		
	TOTAL	86,130
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	30,000
34	Loan Repayments	38,280
35		
36		
37		
38		
39		
40		
	TOTAL	68,280

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)	4,053,199	578,802	0.1428
6					
7					
8					
9					
10					
11					
12			TOTALS	4,053,199	578,802
13	444-1	Street Lighting			0.1428
14					
15					
16					
17					
18			TOTALS	136,521	17,800
19					0.1304
			TOTALS	4,189,720	596,602
					0.1424

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

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.		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.					
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.		4. Unmetered sales should be included below. The details of such sales should be given in a footnote.					
3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate		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		Kilowatt-hours Sold		Average Number of Customers per Month	
		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	5,450,556	122,954	43,961,257	(594,231)	4,240	22
3	442 Commercial and Industrial Sales					0	0
4	Small Commercial B Sales	1,911,651	21,948	13,214,227	(239,266)	329	(2)
5	Large Commercial C Sales	1,334,078	15,439	9,102,800	(389,900)	3	0
6	444 Municipal Sales	596,602	24,938	4,189,720	20,953	61	0
7	445 Other Sales to Public Authorities		0	0	0	0	0
8	446 Sales to Railroads and Railways		0	0	0	0	0
9	448 Interdepartmental Sales		0	0	0	0	0
10	449 Miscellaneous Sales	111,140	2,795	805,704	(15,337)	39	0
11	Total Sales to Ultimate Consumers	9,404,027	188,074	71,273,708	(1,217,781)	4,672	20
12	447 Sales for Resale		0	0	0	0	0
13	Total Sales of Electricity*	9,404,027	188,074	71,273,708	(1,217,781)	4,672	20
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	143,767	(17,416)				
16	451 Miscellaneous Service Revenues	25,609	1,140				
17	453 Sales of Water and Water Power	0	0				
18	454 Rent from Electric Property	158,422	(55,287)				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	0	0				
21							
22							
23							
24							
25	Total Other Operating Revenues	327,798	(71,563)				
26	Total Electric Operating Revenue	9,731,825	116,511				

* Includes revenues from application of fuel clauses \$ 0

Total KWH to which applied 71,273,708

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	41,109,946	5,099,387	0.1240	4,050	4,049
2	440.000	House Heating	2,689,309	333,305	0.1239	192	189
3	442.000	Commercial	12,939,292	1,873,838	0.1448	314	310
4	442.000	Large Commercial	9,102,800	1,334,078	0.1466	3	3
5	444.000	Street Lighting	136,521	17,800	0.1304	1	1
6	444.000	Municipal	4,053,199	578,802	0.1428	60	63
7	444.000	Not for Profit	582,701	79,073	0.1357	30	30
8	445.000	Private Yard Lights	223,003	32,067	0.1438	11	9
9	446.000	Residential Farm	162,002	17,864	0.1103	10	10
10	446.000	Commercial Farm	274,935	37,813	0.1375	17	15
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			71,273,708	9,404,027	0.1319	4,688	4,679

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	5,418,948	(198,830)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	5,418,948	(198,830)
30	Total power production expenses	5,418,948	(198,830)
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	1,586,607	138,980
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	1,586,607	138,980
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	1,586,607	138,980

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	24,643	(16,906)
5	582 Station expenses	9,189	(541)
6	583 Overhead line expenses	17,063	(20,730)
7	584 Underground line expenses	1,783	(3,060)
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	134	134
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	13,612	(469)
12	589 Rents	730	(328)
13	Total operation	67,154	(41,900)
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	796,637	(38,803)
19	594 Maintenance of underground lines	3,743	1,194
20	595 Maintenance of line transformers	414	1
21	596 Maintenance of street lighting and signal systems	2,382	(1,228)
22	597 Maintenance of meters	25,704	501
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	828,880	(38,335)
25	Total distribution expenses	896,034	(80,235)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	62,570	3,491
30	903 Customer records and collection expenses	183,710	4,069
31	904 Uncollectible accounts	6,215	(5,842)
32	905 Miscellaneous customer accounts expenses	2,158	1,476
33	Total customer accounts expenses	254,653	3,194
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	22,247	8,916
40	Total sales expenses	22,247	8,916
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	248,412	16,797
44	921 Office supplies and expenses	80,755	12,663
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	33,957	(2,989)
47	924 Property insurance	48,903	1,948
48	925 Injuries and damages	5,827	1,177
49	926 Employee pensions and benefits	581,619	(9,746)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	23,606	265
53	931 Rents	25,150	13,950
54	Total operation	1,048,229	34,065

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	19,107	(2,004)
4	Total administrative and general expenses	1,067,336	32,061
5	Total Electric Operation and Maintenance Expenses	9,245,825	(95,914)

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	5,418,948	0	5,418,948
13	Total power production expenses	5,418,948		5,418,948
14	Transmission Expenses	1,586,607		1,586,607
15	Distribution Expenses	67,154	828,880	896,034
16	Customer Accounts Expenses	254,653		254,653
17	Sales Expenses	22,247		22,247
18	Administrative and General Expenses	1,048,229	19,107	1,067,336
19	Total Electric Operation and Maintenance Expenses	8,397,838	847,987	9,245,825

21	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%))	98.60%
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)		
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.	\$ 1,123,229
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

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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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				37,408
5	Commissions				0
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	0	0	0	37,408
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major classes of cost)				
15					
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	37,408

SALES FOR RESALE (Account 447)							
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)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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24							
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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	
							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	
	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) Mun-

unicipalities, (6) R.E.A Cooperatives, and (7) Other Public

11. *What is the name of the author of the book you are reading?*

Table 1. Summary of the main characteristics of the three groups of patients.

11 of 11 | Page

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).

**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	4,196,603	33,141	20,647	124,636	178,424	\$0.0425	1
60 MINUTES	69 kv	98,983	33,197	15,577	1,574	50,348	N/A	2
60 MINUTES	69 kv	1,582,271	101,452	182,359	1,585	285,396	\$0.1804	3
60 MINUTES	69 kv	160,948	7,155	1,151	10	8,316	\$0.0517	4
60 MINUTES	69 kv	1,455,872	74,892	9,951	932	85,775	\$0.0589	5
60 MINUTES	69 kv	917,510	74,487	6,298	826	81,611	\$0.0889	6
60 MINUTES	69 kv	3,251,281	202,521	23,228	206	225,955	\$0.0695	7
60 MINUTES	69 kv	399,099	26,184	2,860	25	29,069	\$0.0728	8
60 MINUTES	69 kv	9,287,158	781,309	66,469	426	848,204	\$0.0913	9
								10
60 MINUTES	69 kv	0	0	0	14,521	14,521	N/A	11
60 MINUTES	69 kv	0	0	0	326,222	326,222	N/A	12
60 MINUTES	69 kv	0	0	0	1,008	1,008	N/A	13
60 MINUTES	69 kv	0	0	0	1,148,121	1,148,121	N/A	14
		33,280,000	0	1,633,028	0	1,633,028	\$0.0491	15
60 MINUTES	69 kv	2,833,304	0	0	209,825	209,825	\$0.0741	16
		0	0	0	(78,168)	(78,168)	N/A	17
		0	0	0	(189,811)	(189,811)	N/A	18
		0	0	0	96,736	96,736	N/A	19
		0	0	0	(100,000)	(100,000)		20
		0	0	0	(11,546)	(11,546)		21
		0	0	0	116,180	116,180		22
								23
								24
								25
								26
								27
								28
								29
								30
	TOTALS:	57,463,029	1,334,338	1,961,568	1,663,308	4,959,214		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 Non-utilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1	NEPEX		LOWELL ROAD	69kv			18,765,418	2,046,346
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
					TOTALS	0	0	18,765,418
								2,046,346

B. Details of Settlement for Interchange Power

Line No.	(i)	Explanation (j)	Amount (k)
13			
14			
15			
16	NEPEX	INTERCHANGE EXPENSE NEPOOL EXPENSE	1,923,845
17			122,501
18			
19			
20			
21			
			TOTAL
			2,046,346

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	57,463,029
9	(In (gross) 0	
10	< Out (gross) 0	
11	(Net (Kwh)	18,765,418
12	Interchanges	
13	(Received	
14	< Delivered	
15	(Net (Kwh)	0
16	TOTAL	76,228,447
17	DISPOSITION OF ENERGY	
18	Sales to ultimate consumers (including interdepartmental sales)	71,273,708
19	Sales for resale	0
20	Energy furnished without charge	
21	Energy used by the company (excluding station use):	
22	Electric department only	134,227
23	Energy losses	
24	Transmission and conversion losses	1,677,400
25	Distribution losses 4.12% 3,143,112	
26	Unaccounted for losses	
27	Total energy losses	4,820,512
28	Energy losses as percent of total on line 6.32%	
		TOTAL 76,228,447

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	15,120	Thursday	2	7:00 PM	60 min	7,491,522
30	February	13,976	Thursday	13	7:00 PM	60 min	6,493,366
31	March	12,940	Monday	3	7:00 PM	60 min	6,564,652
32	April	10,261	Monday	7	8:00 PM	60 min	5,452,551
33	May	10,611	Monday	12	9:00 PM	60 min	5,443,516
34	June	14,466	Monday	30	6:00 PM	60 min	6,184,161
35	July	16,305	Wednesday	23	4:00 PM	60 min	7,395,024
36	August	14,476	Wednesday	27	6:00 PM	60 min	6,539,652
37	September	15,239	Saturday	6	2:00 PM	60 min	5,983,744
38	October	11,018	Thursday	16	7:00 PM	60 min	5,657,903
39	November	12,801	Wednesday	26	6:00 PM	60 min	6,065,742
40	December	13,543	Monday	8	7:00 PM	60 min	6,956,614
41						TOTAL	76,228,447

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								
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19								
20								
21								
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28								
29								
30								
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		

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	112.488		112.488
2	Added During Year	0.323		0.323
3	Retired During Year	0.000		0.000
4	Miles -- End of Year	112.811	0.00	112.811
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:	4,685	5,050	1,809	63,495
17	Additions during year				
18	Purchased		12	37	570
19	Installed	48	0	59	903
20	Associated with utility plant acquired				
21	Total Additions	48	12	96	1,473
22	Reductions during year:				
23	Retirements	32	67	44	818
24	Associated with utility plant sold				
25	Total Reductions	32	67	44	818
26	Number at end of year	4,701	4,995	1,861	64,150
27	In stock		130	112	5,475
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		4,856	1,749	58,675
31	In company's use		9		
32	Number at end of year		4,995	1,861	64,150

*

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	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 Friedrich 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 Street - 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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	Hawtree Lane	Plastic Duct	0.177	0.177	7,960	
2	Partridge 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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	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		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	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						
28						
29						
30						
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35						
	TOTALS	miles	42.542	44.172		0

*indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		Mercury Vapor		Fluorescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Groton	233	0	0	0	0	0	0	233	0
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52	TOTALS	233	0	0	0	0	0	0	233	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 31, 2013 bill

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

RATE CODES

C1	Commercial & Industrial
F1	Farm Residential
F2	Farm Commercial
G1	Government
G2	Non Profit
HH	Home Heating (All Electric)
HT	High Tension
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)
TC	Time of Use Commercial

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.

*Solar Rate Accounts (R2, R3, R4) receive a credit for generation returned to the power grid.

PL - Private Lighting Monthly Charge

50-Watt	\$4.75
100-Watt	\$6.50
175-Watt	\$8.75
250-Watt	\$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 rate.

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

R1—Residential | HH—Home Electric (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	7.26¢	2.37¢	2.78¢	12.41¢	1.3¢	11.11¢
500 + kWh	8.31¢	2.37¢	2.78¢	13.46¢	1.3¢	12.16¢

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	6.64¢	2.17¢	2.4¢	11.21¢	1.2¢	10.01¢
500 + kWh	7.57¢	2.17¢	2.4¢	12.14¢	1.2¢	10.94¢

C1—Commercial & Industrial | Customer Charge \$7.25

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
9.32¢	2.41¢	3.79¢	15.52¢	1.55¢	13.97¢

F2—Farm Commercial | Customer Charge \$7.25

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
8.45¢	2.34¢	3.41¢	14.2¢	1.42¢	12.78¢

G1—Government/Municipalities | Customer Charge \$6.50

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
9.75¢	2.37¢	3.29¢	15.41¢	1.54¢	13.87¢

G2—Non-Profit | Customer Charge \$5.25

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
9.23¢	2.37¢	2.9¢	14.5¢	1.45¢	13.05¢

HT—High Tension | Customer Charge \$31.25

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
5.76¢	2.23¢	3.51¢	11.5¢	0.0¢	11.5¢

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 pm-7 am	4.81¢	2.37¢	2.67¢	9.85¢	1.3¢
7 am-11 am					8.55¢
7 pm-11 pm	7.54¢	2.37¢	2.67¢	12.58¢	1.3¢
11 am-7 pm	9.82¢	2.37¢	2.67¢	14.86¢	1.3¢
					13.56¢

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 pm-7 am	5.16¢	2.37¢	2.67¢	10.2¢	1.3¢
7 am-11 am					8.9¢
7 pm-11 pm	8.04¢	2.37¢	2.67¢	13.08¢	1.3¢
11 am-7 pm	10.44¢	2.37¢	2.67¢	15.48¢	1.3¢
					14.18¢

TC—Time of Use Commercial | Customer Charge \$7.25

Generation	Transmission	Distribution	Total Rate	Early Pay Discount	Total Rate with Early Pay Disc
11 pm-7 am	7.07¢	2.42¢	3.79¢	13.28¢	1.55¢
7 am-11 am					11.73¢
7 pm-11 pm	9.32¢	2.42¢	3.79¢	15.53¢	1.55¢
11 am-7 pm	11.55¢	2.42¢	3.79¢	17.76¢	1.55¢
					16.21¢

Note: There is a demand penalty of \$5/KW for usage during 2-8 p.m.

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 Barbara or Tammi at 978-448-1150 to discuss your options.

Two new voluntary rates approved at the September 15, 2014 Board meeting – these rates will be offered at an additional 4 cents per kilowatt hour above our standard residential rate.

Green Solar Rate – G3

MDPU #21

The additional funds collected from this rate will be pooled and used to assist in the funding of solar panels to be placed within the town of Groton.

Green Conservation Rate – G4

MDPU #22

The additional funds collected from this rate will be pooled and used to assist in the funding of electric conservation within the town of Groton.

Supplier Services

Generation

1-500 kWh = \$0.1126

>500 kWh = \$0.1231

This charge may be adjusted periodically as described in the “Definitions” section of these rate schedules.

Delivery Services

Customer Charge

\$4.25

Transmission Charge

\$0.0237/kWh plus or minus the Transmission Charge adjustment

Distribution Charge

\$0.0278/kWh

Discount

A discount of \$0.013 per kilowatt-hour will be allowed for prompt payment if the bill is paid on or before the discount expiration date as shown on the bill. No discount shall be allowed when arrears are due and unpaid.

Bills for all rates will be adjusted by a Power Cost Adjustment (PCA) charge applied to all kilowatt-hours billed in each month as provided by the Department’s Power Cost Adjustment clause, MDPU #23. The charge may be zero depending on the power costs of the Department.

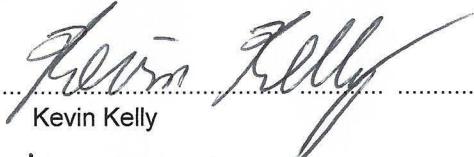
Power Cost Adjustment

MDPU #23

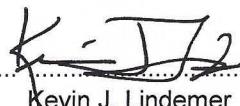
A Power Cost Adjustment (PCA) will be added as a separate line item on every bill each month to recoup the increased generation costs associated with higher fuel and power costs. The charge may be zero depending upon power costs incurred by the Department. When the charge is zero, the PCA line item will not print on the bill.

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... Mayor


Kevin Kelly

Manager of Electric Light


Kevin J. Lindemer

Rodney R. Hersh

Rodney R. Hersh


Bruce Easom

Selectmen
or
Members
of the
Municipal
Light
Board

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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