



**The Commonwealth of Massachusetts**

**RETURN**  
OF THE  
**MUNICIPAL LIGHTING PLANT**  
OF THE  
**TOWN OF IPSWICH**  
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 of Electric Light

Donald Newell  
Office Address: PO Box 151  
Ipswich MA 01938

## TABLE OF CONTENTS

General Information		Page	
Schedule of Estimates			3
Customers in each City or Town			4
Appropriations Since Beginning of Year			4
Changes in the Property			5
Bonds			5
Town Notes			6
Cost of Plant			7
Comparative Balance Sheet			8- 8B
Income Statement			10-11
Earned Surplus			12
Cash Balances			12
Materials and Supplies			14
Depreciation Fund Account			14
Utility Plant-Electric			14
Production Fuel and Oil Stocks			15-17
Miscellaneous Nonoperating Income			18
Other Income Deductions			21
Miscellaneous Credits to Surplus			21
Miscellaneous Debits to Surplus			21
Appropriations of Surplus			21
Municipal Revenues			22
Purchased Power			22
Sales for Resale			22
Electric Operating Revenues			22
Sales of Electricity to Ultimate Consumers			37
Electric Operation and Maintenance Expenses			38
Taxes Charged During Year			39-42
Other Utility Operating Income			49
Income from Merchandising, Jobbing and Contract Work			50
Sales for Resale			51
Purchased Power (except Interchange)			52-53
Interchange Power			54-55
Electric Energy Account			56
Monthly Peaks and Output			57
Generating Station Statistics			57
Steam Generating Stations			58-59
Hydroelectric Generating Stations			60-61
Combustion Engine and Other Generating Stations			62-63
Generating Statistics (Small Stations)			64-65
Transmission Line Statistics			66
Substations			67
Overhead Distribution Lines Operated			68
Electric Distribution Services, Meters, and Line Transformers			69
Conduit, Underground Cable and Submarine Cable			69
Streetlamps			70
Rate Schedule Information			71
Signature Page			79
			81
FOR GAS PLANTS ONLY:			
	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House	
Record of Sendout for the Year in MCF	72-73	Governors and Meters	78

PAGES INTENTIONALLY OMITTED : 9, 13, 19, 20, 23 TO 36, 43 TO 48, 72 to 78, 80

## GENERAL INFORMATION

Page 3

- |  |  |
|--|--|
| 1. Name of town (or city) making report.   | Ipswich                                  |
| 2. If the town (or city) has acquired a plant,<br>Kind of plant, whether gas or electric.<br>Owner from whom purchased, if so acquired.<br>Date of votes to acquire a plant in accordance with the provisions of<br>chapter 164 of the General Laws.<br>Record of votes: First vote: Yes, ; No, Second vote: Yes, ; No,<br>Date when town (or city) began to sell gas and electricity, | Electric<br><br><br>1904                 |
| 3. Name and address of manager of municipal lighting:  |  |
| Donald H. Newell      272 High Street  | Ipswich, MA 01938                        |
| 4. Name and address of mayor or selectmen:   |  |
| Charles D. Surpitski   | 17 Upper River Road, Ipswich             |
| William M. Craft   | 62 East Street, Ipswich                  |
| Judy A. Field  | 4 Barnside Drive, Ipswich                |
| Shirley A. Berry   | 7 Liberty Street, Ipswich                |
| Nishan D. Mootafian  | 33 Birch Lane, Ipswich                   |
| 5. Name and address of town (or city) treasurer:   |  |
| Kevin Merz      25 Green Street  | Ipswich, MA 01938                        |
| 6. Name and address of town (or city) clerk:   |  |
| Pamela Carakatsane      25 Green Street  | Ipswich, MA 01938                        |
| 7. Names and addresses of members of municipal light board:  |  |
| Same as Selectmen, Above   |  |
| 8. Total valuation of estates in town (or city) according to last State valuation<br>(taxable)   | \$      2,471,918,744                    |
| 9. Tax rate for all purposes during the year:  | \$13.51                                  |
| 10. Amount of manager's salary:  | Manager of Electric Light      \$109,855 |
| 11. Amount of manager's bond:  | None                                     |
| 12. Amount of salary paid to members of municipal light board (each):  | None                                     |



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

		Amount
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas	0
2	From sales of electricity	15,180,122
3		
4	<b>TOTAL</b>	15,180,122
5	<b>EXPENSES</b>	
6	For operation, maintenance and repairs	16,152,849
7	For interest on bonds, notes or scrip	201,350
8	For depreciation fund ( 3% 30,378,885 (ex land) as per page 9)	911,367
9	For sinking fund requirements	0
10	For note payments	0
11	For bond payments	480,000
12	For loss in preceding year	0
13		
14	<b>TOTAL</b>	17,745,566
15	<b>COST:</b>	
16	Of gas to be used for municipal buildings	0
17	Of gas to be used for street lights	0
18	Of electricity to be used for municipal buildings	570,000
19	Of electricity to be used for street lights	65,640
20	Total of above items to be included in the tax levy	635,640
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	635,640

**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
	None	Ipswich	7,049
<b>TOTAL</b>	0	<b>TOTAL</b>	7,049

**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

\*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	65,640
2. Municipal buildings	570,000
3.	
	TOTAL 635,640

\* 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:**

System-wide Advanced Metering Infrastructure implementation over the next 3 years

**In gas property:**

Not applicable

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			
Sept. 28, 1903	Oct. 01, 1903	25,000					
Dec. 14, 1903	Dec. 15, 1903	5,000					
March 07, 1904	Dec. 04, 1904	6,000					
March 27, 1905	May 01, 1905	4,000					
March 06, 1906	Dec. 06, 1906	2,000					
March 07, 1907	June 15, 1907	2,000					
March 04, 1908	June 30, 1908	2,000					
March 04, 1909	June 15, 1909	2,000					
March 04, 1910	June 30, 1910	2,000					
March 07, 1910	Oct. 01, 1910	10,000					
June 24, 1910	Dec. 10, 1910	6,000					
March 11, 1911	June 29, 1911	2,000					
March 07, 1912	June 30, 1912	2,000					
March 07, 1913	June 30, 1913	2,000					
March 03, 1914	June 30, 1914	2,000					
March 02, 1915	June 13, 1914	2,000					
March 07, 1916	June 30, 1915	2,000					
March 07, 1917	June 30, 1916	2,000					
March 11, 1918	June 30, 1917	2,000					
March 03, 1919	June 01, 1918	2,000					
Dec. 07, 1921	July 01, 1919	6,000					
March 06, 1922	Dec. 15, 1921	4,000					
March 03, 1924	Dec. 04, 1922	5,000					
March 07, 1927	June 15, 1924	21,900 (A)					
March 30, 1930	Aug. 15, 1927	40,000					
Oct. 03, 1931	July 15, 1930	35,000					
April 30, 1934	Dec. 21, 1931	10,000					
Dec. 29, 1936	June 15, 1934	25,000					
	March 15, 1937	30,000					



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			
March 06, 1951	Dec. 01, 1951	70,000					
March 02, 1954	Dec. 01, 1954	90,000					
March 05, 1956	Dec. 01, 1956	185,000					
March 03, 1958	Dec. 05, 1958	100,000	(B)				
March 03, 1958	June 01, 1959	120,000					
March 06, 1961	June 15, 1961	185,000					
March 03, 1969	Aug. 15, 1969	225,000					
March 05, 1973	July 15, 1969	100,000	(C)				
March 05, 1973	Dec. 01, 1973	175,000					
April 07, 1980	June 15, 1980	200,000					
October 19, 1998	Nov. 15, 1999	900,000					
April 02, 2001	Nov. 15, 2003	50,000					
October 30, 2007	June 01, 2008	6,000,000		300,000	Annually	3.25-4.10%	4,200,000
October 30, 2007	April 1, 2010	600,000		40,000	Annually	2.00-5.00%	440,000
May 13, 2008	June 14, 2011	2,642,000		147,000	Annually	2.00-5.00%	2,210,000
(A) Refunded July 15, 1924		(21,900)					
(B) Refunded Dec. 05, 1958		(100,000)					
(C) Refunded Dec. 01, 1973		(100,000)					
	TOTAL	11,679,000		487,000		TOTAL	6,850,000

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

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

\* Date of meeting and whether regular or special

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

**Town Notes**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Rate	Interest When Payable	Amount Outstanding at End of Year	
			Amounts	When Payable				
April 6, 1981	May 6, 1981	475,000					0	
May 13, 2008	Oct. 6, 2010	800,000	800,000	Annually	1.25%	Upon Maturity	0	
<b>TOTAL</b>							<b>1,275,000</b>	<b>0</b>

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

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

\* Date of meeting and whether regular or special

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



**TOTAL COST OF PLANT - ELECTRIC**

1. Report below the cost of utility plant in service according to prescribed accounts  
 2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.  
 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.  
 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

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

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						NONE
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	841	-				841
12	341 Structures and Improvements	327,236	-				327,236
13	342 Fuel Holders, Producers and Accessories	114,371	-				114,371
14	343 Prime Movers	2,255,463	1,298				2,256,761
15	344 Generators	3,877,065					3,877,065
16	345 Accessory Electric Equipment	371,728					371,728
17	346 Miscellaneous Power Plant Equipment	463,350	29,229		0		492,579
18	Total Other Production Plant	7,410,054	30,527	0	0	0	7,440,581
19	Total Production Plant	7,410,054	30,527	0	0	0	7,440,581
20	3. Transmission Plant						
21	350 Land and Land Rights	17,707	-				17,707
22	351 Clearing Land and Rights of Way	4,428	-				4,428
23	352 Structures and Improvements	-	-				-
24	353 Station Equipment	-	-				-
25	354 Towers and Fixtures	-	-				-
26	355 Poles and Fixtures	1,037,236	-				1,037,236
27	356 Overhead Conductors and Devices	906,631	-				906,631
28	357 Underground Conduit	-	-				-
29	358 Underground Conductors and Devices	-	-				-
30	359 Roads and Trails	-	-				-
31	Total Transmission Plant	1,966,002	0	0	0	0	1,966,002



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	-	-	-			-
3	361 Structures and Improvements	1,471	-	-			1,471
4	362 Station Equipment	8,846,735	8,508				8,855,243
5	363 Storage Battery Equipment	-					-
6	364 Poles Towers and Fixtures	1,808,863	86,404	30,094			1,865,173
7	365 Overhead Conductors and Devices	1,502,113	96,305	11,180			1,587,238
8	366 Underground Conduit	123,018	1,764				124,782
9	367 Underground Conductors and Devices	1,108,781	44,205	3,433			1,149,553
10	368 Line Transformers	2,011,315	33,041	8,951			2,035,405
11	369 Services	366,748	9,192	3,049			372,891
12	370 Meters	1,292,105	17,450	524,843			784,712
13	371 Installations on Customer's Premises	746,530	258,539				1,005,069
14	372 Leased Prop on Customer's Premises	-					-
15	373 Streetlight and Signal Systems	654,960	75,719	21,708			708,971
16	Total Distribution Plant	18,462,639	631,127	603,258	0	0	18,490,508
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-	-			-
19	390 Structures and Improvements	585,316					585,316
20	391 Office Furniture and Equipment	468,356					468,356
21	392 Transportation Equipment	1,123,089	37,367				1,160,456
22	393 Stores Equipment	6,996					6,996
23	394 Tools, Shop and Garage Equipment	157,243					157,243
24	395 Laboratory Equipment	70,471					70,471
25	396 Power Operated Equipment	-					-
26	397 Communication Equipment	56,595					56,595
27	398 Miscellaneous Equipment	95,101					95,101
28	399 Other Tangible Property	-					-
29	Total General Plant	2,563,167	37,367	0	0	0	2,600,534
30	Total Electric Plant in Service	30,401,862	699,021	603,258	0	0	30,497,625
31							Total Cost of Electric Plant.....
33							Less Cost of Land, Land Rights, Rights of Way.....
34							Total Cost upon which Depreciation is based .....

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.



PAGE 9 IS A BLANK PAGE

<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>UTILITY PLANT</b>			
2	101	Utility Plant - Electric (P. 17)	14,500,464	14,288,119	(212,345)
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	14,500,464	14,288,119	(212,345)
6					
7					
8					
9					
10					
11		<b>FUND ACCOUNTS</b>			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	439,587	479,765	40,178
14	128	Other Special Funds	1,353,575	1,281,865	(71,710)
15		Total Funds	1,793,162	1,761,630	(31,532)
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	357,475	225,083	(132,392)
18	132	Special Deposits	86,038	86,109	71
19	135	Working Funds	200	200	0
20	141	Notes Receivable			0
21	142	Customer Accounts Receivable	675,229	554,157	(121,072)
22	143	Other Accounts Receivable	0	25,000	25,000
23	146	Receivables from Municipality			0
24	151	Materials and Supplies (P. 14)	154,024	153,814	(210)
25					
26	165	Prepayments	1,932,035	1,932,466	431
27	174	Miscellaneous Current Assets	0		0
28		Total Current and Accrued Assets	3,205,001	2,976,829	(228,172)
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount	134,863	125,578	(9,285)
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,347,321	1,385,862	38,541
33		Total Deferred Debits	1,482,184	1,511,440	29,256
34					
35		Total Assets and Other Debits	20,980,811	20,538,018	(442,793)

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>APPROPRIATIONS</b>			
2	201	Appropriations for Construction	0	0	0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves			0
5	206	Loans Repayment	0	0	0
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	9,017,753	8,934,013	(83,740)
8		Total Surplus	9,017,753	8,934,013	(83,740)
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	7,330,000	6,850,000	(480,000)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	7,330,000	6,850,000	(480,000)
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	2,197,248	2,045,502	(151,746)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	110,079	106,030	(4,049)
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	26,865	25,440	(1,425)
19	242	Miscellaneous Current and Accrued Liabilities	164,557	236,957	72,400
20		Total Current and Accrued Liabilities	2,498,749	2,413,929	(84,820)
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	220,959	206,175	(14,784)
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	1,846,309	2,083,074	236,765
25		Total Deferred Credits	2,067,268	2,289,249	221,981
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	67,041	50,827	(16,214)
28	261	Property Insurance Reserve			0
29	262	Injuries and Damages Reserves			0
30	263	Pensions and Benefits Reserves			0
31	265	Miscellaneous Operating Reserves			0
32		Total Reserves	67,041	50,827	(16,214)
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction			0
35		Total Liabilities and Other Credits	20,980,811	20,538,018	(442,793)

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	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	15,652,882	(19,277)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	13,412,408	318,354
5	402 Maintenance Expense	815,487	24,006
6	403 Depreciation Expense	911,367	(2,244)
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	15,139,262	340,116
11	Operating Income	513,620	(359,393)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	513,620	(359,393)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	
17	419 Interest Income	6,337	(4,809)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	(11,760)
19	Total Other Income	6,337	(16,569)
20	Total Income	519,957	(375,962)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	519,957	(375,962)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	278,300	(15,563)
28	428 Amortization of Debt Discount and Expense	9,285	0
29	429 Amortization of Premium on Debt - Credit	(14,784)	0
30	431 Other Interest Expense	102	(48)
31	432 Interest: Charged to Construction - Credit		0
32	Total Interest Charges	272,903	(15,611)
33	<b>NET INCOME</b>	247,054	(360,351)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		9,017,753
35			
36			
37	433 Balance Transferred from Income		247,054
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)	330,794	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	8,934,013	
43			
44	<b>TOTALS</b>	9,264,807	9,264,807

CASH BALANCES AT END OF YEAR		
Line No.	Items (a)	Amount (b)
1	Operating Fund	225,083
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	<b>TOTAL</b>	225,083

**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)	77,370	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	76,444	
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	153,814	0

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of account at beginning of year	439,587
26	Income during year from balance on deposit (interest)	1,832
27	Amount transferred from income (depreciation)	911,367
28	Amount transferred in from surplus & other transfers in	300,000
29	<b>TOTAL</b>	1,652,786
30	<b>CREDITS</b>	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	699,021
32	Amounts expended for renewals, viz:-	
33	Bond Principal Payment	340,000
34	Amount repaid to Rate Stabilization	134,000
35		
36		
37		
38		
39	Balance on hand at end of year	479,765
40	<b>TOTAL</b>	1,652,786



		UTILITY PLANT - ELECTRIC					
1. Report below the cost of utility plant in service according to prescribed accounts		the preceding year. Such items should be included in column (c).					negative effect of such amounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the					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							
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	0	0	0	0	0	0
2	330 Land and Land Rights	841	-	-	-	-	841
3	331 Structures and Improvements	14,893	-	959	-	-	13,934
4	332 Reservoirs, Dams and Waterways	10,611	-	683	-	-	9,928
5	333 Water Wheels, Turbines and Generators	30,038	1,298	2,018	-	-	29,318
6	334 Accessory Electric Equipment	2,101,668	-	135,360	-	0	1,966,308
7	335 Miscellaneous Power Plant Equipment	43,954	-	2,831	-	0	41,123
8	336 Roads, Railroads and Bridges	217,348	29,229	15,881	-	-	230,696
9	Total Hydraulic Production Plant	2,419,353	30,527	157,732	0	0	2,292,148
10	D. Other Production Plant	2,419,353	30,527	157,732	0	0	2,292,148
11	340 Land and Land Rights	17,707	-	-	-	-	17,707
12	341 Structures and Improvements	4,428	-	-	-	-	4,428
13	342 Fuel Holders, Producers and Accessories	-	-	-	-	-	-
14	343 Prime Movers	-	-	-	-	-	-
15	344 Generators	-	-	-	-	-	-
16	345 Accessory Electric Equipment	729,406	-	48,134	-	-	681,272
17	346 Miscellaneous Power Plant Equipment	624,020	-	41,180	-	-	582,840
18	Total Other Production Plant	1,375,561	0	89,314	0	0	1,286,247
19	Total Production Plant	1,375,561	0	89,314	0	0	1,286,247
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						

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	-	-	675			10,814
3	361 Structures and Improvements	11,489	-	284,356			4,553,762
4	362 Station Equipment	4,829,610	8,508				
5	363 Storage Battery Equipment	-	-				
6	364 Poles Towers and Fixtures	830,309	86,404	53,879			862,834
7	365 Overhead Conductors and Devices	806,809	96,305	53,080			850,034
8	366 Underground Conduit	11,286	1,764	767			12,283
9	367 Underground Conductors and Devices	833,897	44,205	51,610			826,492
10	368 Line Transformers	626,050	33,041	38,737			620,354
11	369 Services	147,116	9,192	9,187			147,121
12	370 Meters	726,646	17,450	43,734			700,362
13	371 Installations on Customer's Premises	659,424	258,539	53,952			864,011
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	327,846	75,719	23,719			379,846
16	Total Distribution Plant	9,810,482	631,127	613,696	0	0	9,827,913
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-				-
19	390 Structures and Improvements	133,403	-	7,243			126,160
20	391 Office Furniture and Equipment	82,761	-	4,493			78,268
21	392 Transportation Equipment	542,593	37,367	31,488			548,472
22	393 Stores Equipment	3,905	-	212			3,693
23	394 Tools, Shop and Garage Equipment	67,578	-	3,669			63,909
24	395 Laboratory Equipment	15,441	-	838			14,603
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	12,819	-	696			12,123
27	398 Miscellaneous Equipment	36,568	-	1,985			34,583
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	895,068	37,367	50,624	0	0	881,811
30	Total Electric Plant in Service	14,500,464	699,021	911,366	0	0	14,288,119
31	104 Utility Plant Leased to Others						0
32	105 Property Held for Future Use						0
33	107 Construction Work in Progress						0
34	Total Utility Plant Electric	14,500,464	699,021	911,366	0	0	14,288,119



**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 (e)	Total Cost (b)	Kinds of Fuel and Oil			
			NUMBER 2 DIESEL Quantity (c)	Cost (d)	NATURAL GAS Quantity (e)	Cost (f)
1	On Hand Beginning of Year	\$ 55,792	16,498	\$ 55,792	-	-
2	Received During Year	187,550	53,523	187,550	-	-
3	TOTAL	243,342	70,021	243,342	-	\$ -
4	Used During Year (Note A)					
5	Prime Mover Fuel	176,897	51,470	176,897	-	-
6						
7						
8						
9						
10						
11						
12	Sold or Transferred	176,897	51,470	176,897	-	-
13	TOTAL DISPOSED OF BALANCE END OF YEAR	\$ 66,445	18,551	66,445	-	\$ -
Kinds of Fuel and Oil - continued						
Line No.	Item (g)	Quantity (h)	Cost (i)	Quantity (j)	Cost (k)	
						LUBE OIL
14	On Hand Beginning of Year	796	\$ 10,958			
15	Received During Year	440	6,600			
16	TOTAL	1,236	17,558			
17	Used During Year (Note A)					
18	Prime Mover lubricants	492	6,633			
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF	492	6,633			
26	BALANCE END OF YEAR	744	10,925			

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



<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6		
	<b>TOTAL</b>	0
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	<b>TOTAL</b>	0
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23		
	<b>TOTAL</b>	0
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32		
	<b>TOTAL</b>	0
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	PAYMENT IN LIEU OF TAXES	330,794
34		
35		
36		
37		
38		
39		
40		
	<b>TOTAL</b>	330,794

**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		<b>TOTALS</b>			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	4442	Municipal Building M1: (Other Than Street Lighting)	3,339,450	433,924	0.1299
6	4443	Municipal Building M2: (Other Than Street Lighting)	1,781,980	219,724	0.1233
7					
8					
9					
10					
11					
12		<b>TOTALS</b>	5,121,430	653,648	0.1276
13	4441	Street Lighting	843,480	65,640	0.0778
14					
15					
16					
17					
18		<b>TOTALS</b>	843,480	65,640	0.0778
19		<b>TOTALS</b>	5,964,910	719,288	0.1206

**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	See Pages 54 and 55				
23					
24					
25					
26					
27					
28					
29		<b>TOTALS</b>	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	None				
31					
32					
33					
34					
35					
36					
37					
38					
39		<b>TOTALS</b>	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

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.  
 5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	Operating Revenues			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	<b>SALES OF ELECTRICITY</b>								
2	440 Residential Sales	7,069,919	(46,816)	48,640,799	318,806	6,016	44		
3	442 Commercial and Industrial Sales:								
4	Small Commercial B Sales	791,685	(54,569)	5,285,813	(280,169)	679	4		
5	Large Commercial C Sales	7,111,315	76,783	51,014,106	657,277	195	10		
6	444 Municipal Sales	719,288	26,194	5,964,910	544,123	47	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	35,687	623	182,170	0	110	4		
11	<b>Total Sales to Ultimate Consumers</b>	<b>15,727,894</b>	<b>2,215</b>	<b>111,087,798</b>	<b>1,240,037</b>	<b>7,047</b>	<b>62</b>		
12	447 Sales for Resale	0	0	0	0	0	0		
13	Total Sales of Electricity*	15,727,894	2,215	111,087,798	1,240,037	7,047	62		
14	<b>OTHER OPERATING REVENUES</b>								
15	450 Forfeited Discounts	(398,090)	18,554						
16	451 Miscellaneous Service Revenues	323,031	(40,093)						
17	453 Sales of Water and Water Power	0	0					15,626,567	
18	454 Rent from Electric Property	0	0						
19	455 Interdepartmental Rents	0	0						
20	456 Other Electric Revenues	47	47					110,062,148	
21									
22									
23									
24									
25	Total Other Operating Revenues	(75,012)	(21,492)						
26	Total Electric Operating Revenue	15,652,882	(19,277)						

\* Includes revenues from application of fuel clauses \$

Total KWH to which applied



## 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	4400	Residential A	48,640,799	7,069,919	0.1453	6,012	6,025
2	4421	Commercial	5,285,813	791,685	0.1498	683	679
3	4422	Industrial	51,014,106	7,111,315	0.1394	193	194
4	4442	Municipal Building M1	3,339,450	433,924	0.1299	29	29
5	4443	Municipal Building M2	1,781,980	219,724	0.1233	17	17
6	4441	Municipal Street Lighting	843,480	65,640	0.0778	1	1
7	4424	Outdoor Area Lighting	182,170	35,687	0.1959	110	109
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			111,087,798	15,727,894	0.1416	7,045	7,054

**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	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering		0
5	501 Fuel		0
6	502 Steam Expenses		0
7	503 Steam from other sources		0
8	504 Steam transferred -- Cr.		0
9	505 Electric expenses		0
10	506 Miscellaneous steam power expenses		0
11	507 Rents		0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering		0
15	511 Maintenance of Structures		0
16	512 Maintenance of boiler plant		0
17	513 Maintenance of electric plant		0
18	514 Maintenance of miscellaneous steam plant		0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering		0
24	518 Fuel		0
25	519 Coolants and water		0
26	520 Steam Expenses		0
27	521 Steam from other sources		0
28	522 Steam transferred -- Cr.		0
29	523 Electric expenses		0
30	524 Miscellaneous nuclear power expenses		0
31	525 Rents		0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering		0
35	529 Maintenance of Structures		0
36	530 Maintenance of reactor plant		0
37	531 Maintenance of electric plant		0
38	532 Maintenance of miscellaneous nuclear plant		0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering		0
44	536 Water for power		0
45	537 Hydraulic expenses		0
46	538 Electric expenses		0
47	539 Miscellaneous hydraulic power generation expenses		0
48	540 Rents		0
49	Total Operation	0	0

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering		0
4	542 Maintenance of structures		0
5	543 Maintenance of reservoirs, dams and waterways		0
6	544 Maintenance of electric plant		0
7	545 Maintenance of miscellaneous hydraulic plant		0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	363	(3,253)
13	547 Fuel	185,305	122,274
14	548 Generation Expenses	217,580	(24,699)
15	549 Miscellaneous other power generation expense	23,438	10,593
16	550 Rents	0	0
17	Total Operation	426,686	104,915
18	Maintenance:		
19	551 Maintenance supervision and engineering	16,715	(7,422)
20	552 Maintenance of Structures	749	(1,096)
21	553 Maintenance of generating and electric plant	9,072	2,127
22	554 Maintenance of miscellaneous other power generation plant	27,901	4,384
23	Total Maintenance	54,437	(2,007)
24	Total power production expenses - other power	481,123	102,908
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	8,380,654	(312,695)
27	556 System control and load dispatching	0	0
28	557 Other expenses	136,640	20,237
29	Total other power supply expenses	8,517,294	(292,458)
30	Total power production expenses	8,998,417	(189,550)
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering		0
34	561 Load dispatching		0
35	562 Station expenses		0
36	563 Overhead line expenses		0
37	564 Underground line expenses		0
38	565 Transmission of electricity by others	3,057,366	381,817
39	566 Miscellaneous transmission expenses		0
40	567 Rents		0
41	Total Operation	3,057,366	381,817
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines		
47	572 Maintenance of underground lines		
48	573 Maintenance of miscellaneous transmission plant		
49	Total maintenance	0	0
50	Total transmission expenses	3,057,366	381,817



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
<b>1</b>	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	26,503	2,569
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses Transportation	45,209	4,267
6	583 Overhead line expenses	87,397	55,138
7	584 Underground line expenses	1,541	1,541
8	585 Street lighting and signal system expenses	833	833
9	586 Meter expenses	16,609	(5,510)
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	53,014	7,984
12	589 Rents	0	0
13	Total operation	231,106	66,822
14	Maintenance:		
15	590 Maintenance supervision and engineering	65,447	5,612
16	591 Maintenance of structures	5,501	(15,419)
17	592 Maintenance of station equipment	43,627	1,837
18	593 Maintenance of overhead lines	613,099	7,329
19	594 Maintenance of underground lines	395	(237)
20	595 Maintenance of line transformers	11,121	7,515
21	596 Maintenance of street lighting and signal systems	62,303	32,806
22	597 Maintenance of meters	5,050	(716)
23	598 Maintenance of miscellaneous distribution plant	8,944	(14,721)
24	Total maintenance	815,487	24,006
25	Total distribution expenses	1,046,593	90,828
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	24,885	2,735
29	902 Meter reading expenses	10,099	966
30	903 Customer records and collection expenses	144,654	12,858
31	904 Uncollectible accounts	8,113	(17,739)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	187,751	(1,180)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision		0
37	912 Demonstrating and selling expenses		0
38	913 Advertising expenses		0
39	916 Miscellaneous sales expenses		0
40	Total sales expenses	0	0
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	353,808	(1,662)
44	921 Office supplies and expenses	116,137	14,010
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	84,164	2,324
47	924 Property insurance	62,958	7,510
48	925 Injuries and damages	22,579	931
49	926 Employee pensions and benefits	228,281	22,117
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	69,841	15,215
53	931 Rents	0	0
54	Total operation	937,768	60,445

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>		
2	Maintenance:		
3	932 Maintenance of general plant		0
4	Total administrative and general expenses	937,768	60,445
5	Total Electric Operation and Maintenance Expenses	14,227,895	342,360

**SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	<b>Power Production Expenses</b>			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power	481,123	0	481,123
12	Other Power Supply Expenses	8,517,294	0	8,517,294
13	Total power production expenses	8,998,417		8,998,417
14	Transmission Expenses	3,057,366		3,057,366
15	Distribution Expenses	231,106	815,487	1,046,593
16	Customer Accounts Expenses	187,751		187,751
17	Sales Expenses	0		0
18	Administrative and General Expenses	937,768	0	937,768
19	Total Electric Operation and			
20	Maintenance Expenses	13,412,408	815,487	14,227,895

21 Ratio of operating expenses to operating revenues 1.03%  
(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)

22 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. 1,445,328

23 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees) 17







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

**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,				
3	allowances and returns				
4	Contract work	0			0
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	0
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
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	TOTAL COSTS AND EXPENSES	0	0	0	0
50	Net Profit (or loss)	0	0	0	0





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)		
None								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

**PURCHASED POWER (Account 555)  
(EXCEPT INTERCHANGE POWER)**

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.  
2. Provide subheadings and classify purchases as to:  
(1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public.

Authorities. For each purchase designate statistical classification in column (b), thus: firm power: FP; dump or surplus power: DP; other: O, and place an "x" in column (c) if purchase involves import across a state line.  
3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

**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 90 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.

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (g)	Sub Station (e)	Kw or Kva of Demand		Type of Demand Reading (i)	Voltage at Which Delivered (j)	Kilowatt-Hours (k)	Cost of Energy (Dollars Cents)			Total (o)	KWH (CENTS) (0.0000) (p)	Line No.
						Contract Demand (f)	Annual Maximum Demand (h)				Capacity Charges (l)	Energy Charges (m)	Other Charges (n)			
1	New York Power Authority	FP	X	TOWN LINE	879		60 MINUTES			5,367,750	42,389	26,409	150,675	229,474	\$0.0428	1
2	Stonybrook Intermediate	O	X	TOWN LINE	1,006		60 MINUTES			577,891	37,053	66,603	579	194,235	\$0.1804	2
3	Nuclear Mix 1 (Seabrook)	O	X	TOWN LINE	36		60 MINUTES			333,951	16,845	2,399	21	17,258	\$0.6517	3
4	Nuclear Mix 1 (Millstone)	O	X	TOWN LINE	368		60 MINUTES			2,020,879	155,359	20,548	2,720	178,757	\$0.6582	4
5	Nuclear Project 3 (Millstone)	O	X	TOWN LINE	327		60 MINUTES			2,655,528	215,585	18,228	2,391	286,204	\$0.0689	5
6	Nuclear Project 4 (Seabrook)	O	X	TOWN LINE	1,057		60 MINUTES			9,348,534	582,315	66,789	591	649,695	\$0.0685	6
7	Nuclear Project 5 (Seabrook)	O	X	TOWN LINE	130		60 MINUTES			1,152,471	75,511	8,258	73	83,942	\$0.0728	7
8	Transmission															8
9	NEPCO	O		TOWN LINE									810,070	810,070	N/A	9
10	Remvec	O		TOWN LINE									2,100	2,100	N/A	10
11	ISO OATT			TOWN LINE									1,798,893	1,798,893	N/A	11
12	System Power	DP											0	0	\$0.0489	12
13	Berkshire Wind Power Co-op	O											3,070,848	3,070,848	\$0.1386	13
14	Egic Creek	O		TOWN LINE	321		60 MINUTES						0	0	\$0.0515	14
15	Wind II	O		TOWN LINE			60 MINUTES						58,810	58,872	\$0.0515	15
16													521,381	521,381	\$0.1150	16
17																17
18																18
19																19
20																20
21																21
22																22
23																23
24																24
25																25
26																26
27																27
28																28
29																29
30																30
31																31
32																32
33																33
34																34
35																35
41	** Includes transmission and administrative charges															
42	<b>TOTALS:</b>										94,175,140	1,123,198	3,860,144	3,203,484	8,186,827	42

**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		Net Difference (g)	Amount of Settlement (h)	
					Received (a)	Delivered (f)			
1	NEPEX				124,036,440	101,320,650	22,715,790	3,312,908	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12					<b>TOTALS</b>	<b>124,036,440</b>	<b>101,320,650</b>	<b>22,715,790</b>	<b>3,312,908</b>

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

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	3,143,165
14		NEPOOL EXPENSE	169,743
15			
16			
17			
18			
19			
20			
21		<b>TOTAL</b>	<b>3,312,908</b>



**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	<b>SOURCES OF ENERGY</b>	
2	Generation	
3	Steam	0
4	Nuclear	0
5	Hydro	0
6	Other	0
7	Total Generation	4,251,695
8	Purchases	94,173,140
9	( In (gross)	124,036,440
10	Interchanges < Out (gross)	101,320,650
11	( Net (Kwh)	22,715,790
12	( Received	0
13	Transmission for/by others (wheeling) < Delivered	0
14	( Net (Kwh)	0
15	<b>TOTAL</b>	<b>121,140,625</b>
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales)	111,087,798
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	2,061,978
22	Energy losses	
23	Transmission and conversion losses	3,921,970
24	Distribution losses	4,068,879
25	Unaccounted for losses	
26	Total energy losses	7,990,849
27	Energy losses as percent of total on line 15	6.60%
28	<b>TOTAL</b>	<b>121,140,625</b>

**MONTHLY PEAKS AND OUTPUT**

- 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.
- 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.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- 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.
- 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 Ipswich**

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	20,953	Tuesday	7	19:00	60 min	11,498,965
30	February	19,909	Thursday	13	19:00	60 min	10,080,843
31	March	19,110	Wednesday	5	19:00	60 min	10,592,584
32	April	15,895	Thursday	17	21:00	60 min	9,016,750
33	May	15,762	Monday	12	12:00	60 min	8,980,624
34	June	22,513	Wednesday	25	17:00	60 min	9,763,063
35	July	25,684	Wednesday	23	17:00	60 min	11,882,726
36	August	23,316	Wednesday	27	16:00	60 min	10,656,457
37	September	24,663	Tuesday	2	16:00	60 min	9,504,953
38	October	16,368	Thursday	16	19:00	60 min	9,145,882
39	November	17,670	Wednesday	26	18:00	60 min	9,439,949
40	December	19,764	Monday	8	18:00	60 min	10,577,829
41						<b>TOTAL</b>	<b>121,140,625</b>

## GENERATING STATIONS

Page 58-59

GENERATING STATION STATISTICS (Large Stations)  
(Except Nuclear)

Pages 58-59

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	Kind of plant (Steam, Hydro, Int. Comb.)	Internal Comb.	Wind Turbine		
2	Type of plant construction (conventional outdoor boiler, full outdoor, etc)	Conventional			
3	Year originally constructed	1904	May, 2011		
4	Year last unit installed	1984	May, 2011		
5	Total installed capacity (maximum generator name plate ratings in kw)	12,560	1,600		
6	Net peak demand on plant-kilowatts (60 min)	10.595	1,600		
7	Plant hours connected to load	486	5,463		
8	Net continuous plant capability, kilowatts:				
9	(a) when not limited by condenser water				
10	(b) when limited by condenser water				
11	Average number of employees	2			
12	Net generation, exclusive of station use	692,218	3,559,477		
13	Cost of plant (omit cents):				
14	Land and land rights	841			
15	Structures and improvements	327,236			
16	Reservoirs, dams and waterways				
17	Equipment costs	7,081,977			
18	Roads, railroads and bridges				
19	Total cost	7,410,054			
20	Cost per kw of installed capacity	589.972			
21	Production expenses:				
22	Operation supervision and engineering	3,616			
23	Station labor	288,051			
24	Fuel	63,031			
25	Supplies & Expenses, including water	0			
26	Maintenance	23,517			
27	Rents				
28	Steam from other sources	0			
29	Steam transferred - credit	0			
30	Total production expenses	378,215			
31	Expenses per net Kwh (5 places)				
32	Fuel: Kind	#2 Fuel oil	Natural Gas		
33	Unit(coal-tons of 2,000 lb)(oil-barrels of 42 gals.)Gas-Mcu.ft.(nuclear,indicate)	Barrels	M. cu. ft.		
34	Quantity (units) fuel consumed	317	4,131		
35	Average heat content of fuel (B.t.u. per lb of coal, per gal. of oil, or per cu.ft. of gas)	140,000	1,010,000		
36	Average cost of fuel per unit, del fob plant	135.030	0.305		
37	Average cost of fuel per unit consumed	126.378	0.305		
38	Average cost of fuel consumed per million B.t.u.		0.305		
39	Average cost of fuel consumed per kwh net gen	0.338	0.047		
40	Average B.t.u. per kwh net generation	375	10,824		

STEAM GENERATING STATIONS

Pages 60-61

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

HYDROELECTRIC GENERATING STATIONS

Pages 62-63

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					



GENERATING STATIONS

COMBUSTION ENGINE AND OTHER GENERATING STATIONS  
(Except Nuclear)

Pages 64-65

Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	PRIME MOVERS			
				Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	Engine #1 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1984	2	Direct
2	Engine #2 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1954	2	Direct
3	Engine #3 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1941	2	Direct
4	Engine #4 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1937	2	Direct
5	Engine #6 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1951	2	Direct
6	Engine #7 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1956	2	Direct
7	Engine #8 High Street	Ipswich, MA	Diesel	Cooper-Bessemer	1960	4	Direct
8	Engine #9 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1961	2	Direct
9	Engine #10 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1984	2	Direct
10	Engine #11 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1992	2	Direct
11	Engine #12 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1983	2	Direct
12							
13							
14	Ipswich Wind #1 - Town Farm Road	Ipswich, MA	Wind	General Electric	May 18, 2011		Direct
15							
16							
17							
18							
19							
20							
21							
22							

**GENERATING STATIONS**

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS**  
(Except Nuclear)

Pages 64-65

PRIME MOVERS CONTINUED		Generators										
Rated hp. of Unit (h)	Total Rated hp. of Station Prime movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or dc. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate rating) (p)	Line No.			
1750		1984	4160	3	60	1,250			1			
1920		1954	4160	3	60	1,360			2			
1050		1941	2400	3	60	600			3			
875		1937	2400	3	60	600			4			
1600		1951	4160	3	60	1,140			5			
1920		1956	4160	3	60	1,360			6			
1600		1960	4160	3	60	1,140			7			
1920		1961	4160	3	60	1,360			8			
1750		1984	4160	3	60	1,250			9			
1750		1982	4160	3	60	1,250			10			
1750	17,885	1983	4160	3	60	1,250	11	12,560	11			
N/A		May 18, 2011	690	3	60	1,600	1	1,600	12			
									13			
									14			
									15			
									16			
									17			
									18			
									19			
									20			
									21			
									22			
									23			
									TOTALS			
						14,160	12	14,160				

GENERATING STATION STATISTICS (Small Stations)					Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	<b>NONE</b>				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					



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	High Street	Vermette Court	23,000	Wood Pole		2.9	1	336 MCM Aluminum
2	Power Plant	Unit Sub-						
3	& Substation	Station						
4								
5	Vermette Ct	Fowler's Lane	23,000	Wood Pole		0.8	1	477 MCM Aluminum
6	Unit Sub-	Sub-Station						
7	Station							
8								
9	High Street	Rowley-Ipswich	23,000	Wood Pole		1.3	1	795 MCM Aluminum
10	Power Plant	Town Line						
11	Line #2373	Con New England						
12		Power Co Line						
13			23,000	Wood Pole		1.3	1	795 MCM Aluminum
14	High Street	Rowley-Ipswich						
15	Power Plant	Town Line						
16	Line #2394	Con New England						
17		Power Co Line	23,000	Wood Pole		2.1	1	477 MCM Aluminum
18	High Street	Fowler's Lane						
19	Sub-Station	Sub-Station						
20								
21			13,800	Wood Pole		2.2	1	336 MCM Aluminum
22	Ipswich Wind	Fowler's Lane						
23	Town Farm Rd	Sub-Station						
24								
25			TOTALS			0	6	10.6
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
2	Vermette Court Transformer #1										
3											
4	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
5	Vermette Court Transformer #2										
6											
7	Substation #4	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	9,375	1	0			
8	High Street Transformer #1										
9											
10											
11	Substation #4	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	10,500	1	0			
12	High Street Transformer #2										
13											
14											
15	Substation #5	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	10,500	1	0			
16	Fowler's Lane										
17											
18											
19	Substation #5	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	11,000	1	0			
20	Fowler's Lane										
21											
22											
23											
24											
25											
26											
<b>TOTALS</b>						81,375	6	0			

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve but one industrial or street railway customer should not be listed hereunder.

3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.

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

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	108.000	0.000	108.000
2	Added During Year	0.650		0.650
3	Retired During Year	0.650		0.650
4	Miles -- End of Year	108.000	0.000	108.000
5	*			
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10	Three-phase, AC distribution system, 60 cycles, 13,800 volts			
11				
12				
13				
14				
15				

## 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:	6,684	6,918	995	50,530
17	Additions during year				
18	Purchased	0		2	120
19	Installed	11	1,423	21	1,435
20	Associated with utility plant acquired				
21	Total Additions	11	1,423	23	1,555
22	Reductions during year:				
23	Retirements	3	1,384	15	865
24	Associated with utility plant sold				
25	Total Reductions	3	1,384	15	865
26	Number at end of year	6,692	6,957	1,003	51,220
27	In stock		300	43	5,360
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		6,946		
31	In company's use		11	1,003	51,220
32	Number at end of year		7,257	1,046	56,580



**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	#2 Conductor	1.50	3.63	4,160		
2	#4 Duct Lane	1.00				
3	#2 Conductor	20.00	18.63	13,800		
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
<b>TOTALS</b>		23	22	17,960	0	0

\* Per circuit mile, measurement based on single-phase

\*Indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type							
			L. E. D.		Mercury Vapor		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Ipswich	1,895	224	0	12	87	12	0	1,495	65
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	1,895	224	-	12	87	12	-	1,495	65

**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
January 1, 1985	87	NO CHANGES		
August 1, 2008	92	NO CHANGES		
August 1, 2008	93	NO CHANGES		
August 1, 2008	94	NO CHANGES		
August 1, 2008	95	NO CHANGES		
August 1, 2008	96	NO CHANGES		
June 1, 2012	97	NO CHANGES		
June 1, 2012	98	NO CHANGES		



**THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY**

*Roberta Crosbie*  
.....

Roberta Crosbie

Town Manager

*D. H. Newell*  
.....

Donald H. Newell

Manager of Electric Light

*Charles D. Surpitski*  
.....

Charles D. Surpitski      Chair

*William M. Craft*  
.....

William M. Craft

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

*Judy A. Field*  
.....

Judy A. Field

*Shirley A. Berry*  
.....

Shirley A. Berry

*Nishan D. Mootafian*  
.....

Nishan D. Mootafian

**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

## INDEX

	Page		
Appropriations of Surplus	21		
Appropriations Since Beginning of Year	5		
Bonds	6		
Cash Balances	14		
Changes in the Property	5		
Combustion Engine and Other Generating Stations	64-65		
Comparative Balance Sheet	10-11		
Conduit, Underground Cable and Submarine Cable	70		
Cost of Plant	8- 8B		
Customers in each City or Town	4		
Depreciation Fund Account	14		
Earned Surplus	12		
Electric Distribution Services, Meters, and Line Transformers	69		
Electric Energy Account	57		
Electric Operating Revenues	37		
Electric Operation and Maintenance Expenses	39-42		
General Information	3		
Generating Station Statistics	58-59		
Generating Statistics (Small Stations)	66		
Hydroelectric Generating Stations	62-63		
Income from Merchandising, Jobbing and Contract Work	51		
Income Statement	12		
Interchange Power	56		
Materials and Supplies	14		
Miscellaneous Credits to Surplus	21		
Miscellaneous Debits to Surplus	21		
Miscellaneous Nonoperating Income	21		
Monthly Peaks and Output	57		
Municipal Revenues	22		
Other Income Deductions	21		
Other Utility Operating Income	50		
Overhead Distribution Lines Operated	69		
Production Fuel and Oil Stocks	18		
Purchased Power	22		
Purchased Power Detailed (except Interchange)	54-55		
Rate Schedule Information	79		
Sales for Resale	22		
Sales for Resale Detailed	52-53		
Sales of Electricity to Ultimate Consumers	38		
Schedule of Estimates	4		
Signature Page	81		
Steam Generating Stations	60-61		
Streetlamps	71		
Substations	68		
Taxes Charged During Year	49		
Town Notes	7		
Transmission Line Statistics	67		
Utility Plant-Electric	15-17		
<b>FOR GAS PLANTS ONLY:</b>			
	Page		Page
Boilers	75	Purifiers	76
Gas Distribution Services, House Governors and Meters	78	Record of Sendout for the Year in MCI	72-73
Gas Generating Plant	74	Sales for Resale	48
Gas Operating Revenues	43	Sales of Gas to Ultimate Customers	44
Gas Operation & Maintenance Expenses	45-47	Sales of Residuals	48
Holdings	76	Scrubbers, Condensers & Exhausters	75
Purchased Gas	48	Transmission and Distribution Mains	77
		Utility Plant - Gas	19-20

PAGES INTENTIONALLY OMITTED : 9, 13, 19, 20, 23 TO 36, 43 TO 48, 72 to 78, 80