

# The Commonwealth of Massachusetts

## Return

of the

**Municipal Lighting Plant of**

**the Town of Hingham**

to the

**Department of Public Utilities**

**of Massachusetts**

**For the Year ended December 31,**

**2016**

Name of officer to whom correspondence should

Paul Heanue

be addressed regarding this report:

Office address: 31 Bare Cove Park Drive

Official title: General Manager

Hingham, MA 02043

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

The Board of Commissioners  
Hingham Municipal Lighting Plant  
Hingham, Massachusetts 02043

Management is responsible for the accompanying financial statements of Hingham Municipal Lighting Plant, which comprise the balance sheet as of December 31, 2016, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

**Other Matter**

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

Goulet, Salvidio & Associates P.C.

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

Worcester, Massachusetts  
June 13, 2017

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**GENERAL INFORMATION****Page 3**

- |     |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 1.  | Name of town (or city) making report.                                                                                                                                                                                                                                                                                                                                                            | Hingham                                                                      |
| 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, 305 ; No, 21 Second vote: Yes, 114; No, 43<br>Date when town (or city) began to sell gas and electricity, | Electric<br>Weymouth Light & Power<br><br>3/18, 7/26 1893                    |
| 3.  | Name and address of manager of municipal lighting:                                                                                                                                                                                                                                                                                                                                               | Paul Heanue<br>Plymouth, MA 02360                                            |
| 4.  | Name and address of mayor or selectmen:                                                                                                                                                                                                                                                                                                                                                          | Mary Power<br>Paul Gannon<br>Paul Healy<br>Hingham, MA 02043                 |
| 5.  | Name and address of town (or city) treasurer:                                                                                                                                                                                                                                                                                                                                                    | Jean Montgomery<br>Hingham, MA 02043                                         |
| 6.  | Name and address of town (or city) clerk:                                                                                                                                                                                                                                                                                                                                                        | Eileen McCracken<br>Hingham, MA 02043                                        |
| 7.  | Names and addresses of members of municipal light board:                                                                                                                                                                                                                                                                                                                                         | John P. Ryan<br>Roger Freeman<br>John A. Stoddard, Jr.<br>Hingham, MA 02043  |
| 8.  | Total valuation of estates in town (or city) according to last State valuation<br>(taxable)                                                                                                                                                                                                                                                                                                      | \$ 6,788,953,760                                                             |
| 9.  | Tax rate for all purposes during the year:                                                                                                                                                                                                                                                                                                                                                       | Residential \$12.49<br>Open Space<br>Commercial/Industrial/Personal Property |
| 10. | Amount of manager's salary:                                                                                                                                                                                                                                                                                                                                                                      | \$161,455                                                                    |
| 11. | Amount of manager's bond:                                                                                                                                                                                                                                                                                                                                                                        | \$10,000                                                                     |
| 12. | Amount of salary paid to members of municipal light board (each):                                                                                                                                                                                                                                                                                                                                | \$214                                                                        |

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

		Amount
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas	
2	From sales of electricity	30,000,000
3		<b>TOTAL</b>
4		30,000,000
<b>EXPENSES</b>		
6	For operation, maintenance and repairs	26,000,000
7	For interest on bonds, notes or scrip	
8	For depreciation fund ( 3 % 61,507,196 as per page 8A)	1,845,216
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13		<b>TOTAL</b>
14		27,845,216
<b>COST:</b>		
16	Of gas to be used for municipal buildings	
17	Of gas to be used for street lights	
18	Of electricity to be used for municipal buildings	1,200,000
19	Of electricity to be used for street lights	190,000
20	Total of above items to be included in the tax levy	1,390,000
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	1,390,000

**CUSTOMERS**

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.		Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.	
City or Town	Number of Customers' Meters, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31
		Hingham	10,347
<b>TOTAL</b>	0	<b>TOTAL</b>	10,347



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	
Regular April 27, 1987	July 15, 1988	\$3,800,000					
Refunding Issue	May 15, 1993	\$960,000 \$2,830,000					
	TOTAL	\$7,590,000				TOTAL	

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	
Special 07\26\1893	09/01/1896	\$1,000					
Special 02\01\04	2/6/2004	\$12,000					
Regular 03\16\06	9/1/2006	\$5,000					
Regular 03\28\55	6/15/1955	\$45,000					
Regular 03\25\56	8/15/1956	\$130,000					
Regular 05\05\86	7/28/1986	\$800,000					
Regular 04\27\87	7/21/1987	\$1,500,000					
Regular 04\27\87	1/2/1988	\$1,500,000	*Bond Anticipated Notes Bond dated July 15, 1988				
TOTAL		\$3,993,000				TOTAL	\$0.00

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

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

\* Date of meeting and whether regular or special

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



**TOTAL COST OF PLANT - ELECTRIC**

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

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

## TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
20	3. Transmission Plant						
21	350 Land and Land Rights	430,299	-				430,299
22	351 Clearing Land and Rights of Way						0
23	352 Structures and Improvements	36,316	-				36,316
24	353 Station Equipment						0
25	354 Towers and Fixtures						0
26	355 Poles and Fixtures	822,025	2,142				824,167
27	356 Overhead Conductors and Devices	725,627	196,936				922,563
28	357 Underground Conduit						0
29	358 Underground Conductors and Devices						0
30	359 Roads and Trails						0
31	Total Transmission Plant	2,014,267	199,078	0	0	0	2,213,345

<b>TOTAL COST OF PLANT (Concluded)</b>							
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	4,564	-				4,564
3	361 Structures and Improvements	11,494	-				11,494
4	362 Station Equipment	5,366,959	7,859				5,374,818
5	363 Storage Battery Equipment	0					0
6	364 Poles Towers and Fixtures	5,321,507	222,723	(25,042)			5,519,188
7	365 Overhead Conductors and Devices	14,179,460	587,252				14,766,712
8	366 Underground Conduit	2,709,155	5,536				2,714,691
9	367 Underground Conductors and Devices	8,180,438	101,830				8,282,268
10	368 Line Transformers	4,094,133	115,004	(12,733)			4,196,404
11	369 Services	538,395	6,840				545,235
12	370 Meters	1,269,167	232,186	(793,855)			707,498
13	371 Installations on Customer's Premises	0					0
14	372 Leased Prop on Customer's Premises	0					0
15	373 Street Light and Signal Systems	1,421,226	4,396				1,425,622
16	Total Distribution Plant	43,096,498	1,283,626	(831,630)	0	0	43,548,494
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	-				0
19	390 Structures and Improvements	634,642	10,018,542	(592,835)			10,060,349
20	391 Office Furniture and Equipment	2,210,024	232,348				2,442,372
21	392 Transportation Equipment	2,189,694					2,189,694
22	393 Stores Equipment	33,213	34,393				67,606
23	394 Tools, Shop and Garage Equipment	243,090	9,888				252,978
24	395 Laboratory Equipment	115,331					115,331
25	396 Power Operated Equipment	0					0
26	397 Communication Equipment	978,122	3,954				982,076
27	398 Miscellaneous Equipment	69,542	272				69,814
28	399 Other Tangible Property	0					0
29	Total General Plant	6,473,658	10,299,397	(592,835)	0	0	16,180,220
30	Total Electric Plant in Service	51,584,423	11,782,101	(1,424,465)	0	0	61,942,059
31	Total Cost of Electric Plant.....						61,942,059
33	Less Cost of Land, Land Rights, Rights of Way.....						434,863
34	Total Cost upon which Depreciation is based .....						61,507,196
<p>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.</p>							

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<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)	
1	<b>UTILITY PLANT</b>				
2	101 Utility Plant - Electric (P. 17)	28,447,867	30,286,678	1,838,811	
3	101 Utility Plant - Gas (P. 20)	0	0	0	
4					
5	Total Utility Plant	28,447,867	30,286,678	1,838,811	
6					
7					
8					
9					
10					
11	<b>FUND ACCOUNTS</b>				
12	125 Sinking Funds	0	0	0	
13	126 Depreciation Fund (P. 14)	7,389,478	6,959,061	(430,417)	
14	128 Other Special Funds	4,965,293	5,580,393	615,100	
15	Total Funds	12,354,771	12,539,454	184,683	
16	<b>CURRENT AND ACCRUED ASSETS</b>				
17	131 Cash (P. 14)	2,644,766	5,106,574	2,461,808	
18	132 Special Deposits	1,646,306	1,704,041	57,735	
19	135 Working Funds	800	800	0	
20	141 Notes Receivable	0	0	0	
21	142 Customer Accounts Receivable	2,640,532	2,617,679	(22,853)	
22	143 Other Accounts Receivable	284,439	126,374	(158,065)	
23	146 Receivables from Municipality			0	
24	151 Materials and Supplies (P. 14)	882,316	810,104	(72,212)	
25					
26	165 Prepayments	2,043,601	1,698,123	(345,478)	
27	174 Miscellaneous Current Assets	166,875	331,795	164,920	
28	Total Current and Accrued Assets	10,309,635	12,395,490	2,085,856	
29	<b>DEFERRED DEBITS</b>				
30	181 Unamortized Debt Discount	0	0	0	
31	182 Extraordinary Property Losses	0	0	0	
32	185 Other Deferred Debits	312,771	1,112,428	799,657	
33	Total Deferred Debits	312,771	1,112,428	799,657	
34					
35	Total Assets and Other Debits	51,425,044	56,334,050	4,909,006	

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>APPROPRIATIONS</b>			
2	201	Appropriations for Construction	0	0	0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves	0	0	0
5	206	Loans Repayment	4,438,000	4,438,000	0
6	207	Appropriations for Construction Repayments	64,745	64,745	0
7	208	Unappropriated Earned Surplus (P. 12)	34,455,301	37,872,759	3,417,458
8		Total Surplus	38,958,046	42,375,504	3,417,458
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	0	0	0
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	0	0	0
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	1,498,891	1,578,948	80,057
15	234	Payables to Municipality	534,180	518,611	(15,569)
16	235	Customers' Deposits	1,646,306	1,704,251	57,945
17	236	Taxes Accrued	47,840	48,003	163
18	237	Interest Accrued	0	0	0
19	242	Miscellaneous Current and Accrued Liabilities	102,343	106,375	4,032
20		Total Current and Accrued Liabilities	3,829,560	3,956,188	126,628
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	0	0	0
23	252	Customer Advances for Construction	891,564	251,162	(640,402)
24	253	Other Deferred Credits	272,756	381,865	109,109
25		Total Deferred Credits	1,164,320	633,027	(531,293)
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	50,000	50,000	0
28	261	Property Insurance Reserve	0	0	0
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	2,349,591	3,309,805	960,214
31	265	Miscellaneous Operating Reserves	4,711,606	5,326,707	615,101
32		Total Reserves	7,111,197	8,686,512	1,575,315
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	361,921	682,819	320,898
35		Total Liabilities and Other Credits	51,425,044	56,334,050	4,909,006

<b>STATEMENT OF INCOME FOR THE YEAR</b>			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	30,112,054	(1,247,581)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	23,686,965	(386,708)
5	402 Maintenance Expense	1,057,391	(54,611)
6	403 Depreciation Expense	1,534,487	(982,117)
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	26,278,843	(1,423,436)
11	Operating Income	3,833,211	175,855
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	3,833,211	175,855
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	0
17	419 Interest Income	71,988	10,143
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	71,988	10,143
20	Total Income	3,905,199	185,998
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	(10,858)	1,192
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(10,858)	1,192
25	Income Before Interest Charges	3,916,057	184,806
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	0	0
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt - Credit	0	0
30	431 Other Interest Expense	3,600	2,112
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	3,600	2,112
33	<b>NET INCOME</b>	3,912,457	182,694
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		34,455,301
35			
36			
37	433 Balance Transferred from Income		3,912,457
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	494,999	
40	436 Appropriations of Surplus (P. 21)	0	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	37,872,759	
43			
44	<b>TOTALS</b>	38,367,758	38,367,758

<b>CASH BALANCES AT END OF YEAR</b>			
Line No.	Items (a)	Amount (b)	
1	Operating Cash	5,106,574	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
	<b>TOTAL</b>	5,106,574	
<b>MATERIALS AND SUPPLIES (Accounts 151-159, 163)</b>			
<b>Summary per Balance Sheet</b>			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151 ) (See Schedule, Page 25)	810,104	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))		
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet	810,104	0
<b>DEPRECIATION FUND ACCOUNT (Account 126)</b>			
Line No.	(a)	Amount (b)	
24	<b>DEBITS</b>		
25	Balance of account at beginning of year	7,389,478	
26	Income during year from balance on deposit (interest)	43,934	
27	Amount transferred from income (depreciation)	1,534,487	
28	Miscellaneous transfers		
29		<b>TOTAL</b>	
		8,967,899	
30	<b>CREDITS</b>		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	2,008,838	
32	Miscellaneous transfers		
33			
34			
35			
36			
37			
38			
39	Balance on hand at end of year	6,959,061	
40		<b>TOTAL</b>	
		8,967,899	





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	430,299	0	0		0	430,299
22	351 Clearing Land and Rights of Way					0	
23	352 Structures and Improvements	0	0	0		0	0
24	353 Station Equipment					0	
25	354 Towers and Fixtures					0	
26	355 Poles and Fixtures	63,479	2,142	24,661		0	40,960
27	356 Overhead Conductors and Devices	0	196,936	21,769		0	175,167
28	357 Underground Conduit					0	
29	358 Underground Conductors and Devices					0	
30	359 Roads and Trails					0	
31	Total Transmission Plant	493,778	199,078	46,430	0	0	646,426

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	4,564	0	0		0	4,564
3	361 Structures and Improvements	2,731	0	345		0	2,386
4	362 Station Equipment	2,373,166	7,859	209,650		0	2,171,375
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	1,577,786	222,723	159,645		0	1,640,864
7	365 Overhead Conductors and Devices	5,603,887	587,252	425,384		0	5,765,755
8	366 Underground Conduit	1,280,782	5,536	81,275		0	1,205,043
9	367 Underground Conductors and Devices	4,664,676	101,830	245,413		0	4,521,093
10	368 Line Transformers	959,615	115,004	122,824		0	951,795
11	369 Services	0	6,840	6,840		0	0
12	370 Meters	503,581	232,186	38,075		0	697,692
13	371 Installations on Customer's Premises	0	0	0		0	0
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	0	4,396	4,396		0	0
16	Total Distribution Plant	16,970,788	1,283,626	1,293,847	0	0	16,960,567
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0		0	0
19	390 Structures and Improvements	0	10,018,542	19,039		0	9,999,503
20	391 Office Furniture and Equipment	1,079,412	232,348	66,301		0	1,245,459
21	392 Transportation Equipment	789,906	0	65,691		0	724,215
22	393 Stores Equipment	347	34,393	996		0	33,744
23	394 Tools, Shop and Garage Equipment	110,083	9,888	7,293		0	112,678
24	395 Laboratory Equipment	39,396	0	3,460		0	35,936
25	396 Power Operated Equipment	0	0	0		0	0
26	397 Communication Equipment	332,070	3,954	29,344		0	306,680
27	398 Miscellaneous Equipment	75,607	272	2,086		0	73,793
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	2,426,821	10,299,397	194,210	0	0	12,532,008
30	Total Electric Plant in Service	19,891,387	11,782,101	1,534,487	0	0	30,139,001
31	104 Utility Plant Leased to Others	0					0
32	105 Property Held for Future Use	0					0
33	107 Construction Work in Progress	8,556,480	2,235,169	0		(10,643,972)	147,677
34	Total Utility Plant Electric	28,447,867	14,017,270	1,534,487	0	(10,643,972)	30,286,678

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

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

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	<b>TOTAL</b>	0
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	0
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	<b>TOTAL</b>	0
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24	Payment In Lieu of Taxes	494,999
25		
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	494,999
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33		
34		
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	0

<b>MUNICIPAL REVENUES (Account 482,444)</b> (K.W.H. Sold under the provision of Chapter 269, Acts of 1927)						
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)	
1						
2						
3						
4		<b>TOTALS</b>				
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5	444	Municipal: (Other Than Street Lighting)	9,157,834	1,237,111	0.1351	
6						
7						
8						
9						
10						
11						
12		<b>TOTALS</b>	9,157,834	1,237,111	0.1351	
13		Street Lighting	1,314,792	183,000	0.1392	
14						
15						
16						
17						
18		<b>TOTALS</b>	1,314,792	183,000	0.1392	
19		<b>TOTALS</b>	10,472,626	1,420,111	0.1356	
<b>PURCHASED POWER (Account 555)</b>						
Line No.		Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H (c)	Amount (d)	Cost per KWH (cents) (0.0000) (e)
20						
21						
22						
23						
24						
25						
26						
27						
28						
29			<b>TOTALS</b>	0	0	
<b>SALES FOR RESALE (Account 447)</b>						
Line No.		Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
30						
31						
32						
33						
34						
35						
36						
37						
38						
39			<b>TOTALS</b>	0	0	

**ELECTRIC OPERATING REVENUES (Account 400)**

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.  
 2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.  
 3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate

meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

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

Line No.	Account (a)	Operating Revenues			Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Previous Year	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	13,975,601	14,613,828	(638,227)	91,593,256	(1,392,698)	9,277	(35)
3	442 Commercial and Industrial Sales							
4	Small Commercial B Sales	2,822,777	3,181,127	(358,350)	17,757,752	(1,694,232)	842	(2)
5	Large Commercial C Sales	11,685,673	11,862,897	(177,224)	79,490,930	946,902	153	13
6	444 Municipal Sales	1,420,111	1,479,817	(59,706)	10,472,626	(177,409)	75	1
7	445 Other Sales to Public Authorities	0	0	0	0	0	0	0
8	446 Sales to Railroads and Railways	0	0	0	0	0	0	0
9	448 Interdepartmental Sales	0	0	0	0	0	0	0
10	449 Miscellaneous Sales	0	0	0	0	0	0	0
11	<b>Total Sales to Ultimate Consumers</b>	29,904,162	31,137,669	(1,233,507)	199,314,564	(2,317,437)	10,347	(23)
12	447 Sales for Resale	0	0	0	0	0	0	0
13	<b>Total Sales of Electricity*</b>	29,904,162	31,137,669	(1,233,507)	199,314,564	(2,317,437)	10,347	(23)
14	<b>OTHER OPERATING REVENUES</b>							
15	450 Forfeited Discounts	0	0	0				
16	451 Miscellaneous Service Revenues	207,892	221,966	(14,074)				
17	453 Sales of Water and Water Power	0	0	0				
18	454 Rent from Electric Property	0	0	0				
19	455 Interdepartmental Rents	0	0	0				
20	456 Other Electric Revenues	0	0	0				
21								
22								
23								
24								
25	Total Other Operating Revenues	207,892	221,966	(14,074)				
26	Total Electric Operating Revenue	30,112,054	31,359,635	(1,247,581)				

\* Includes revenues from application of fuel clauses \$  
  
 Total KWH to which applied 199,314,564

**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	A1 Residential	84,344,727	12,924,884	0.1532	8,317	8,333
2		E-9	1,370,368	202,832	0.1480	574	559
3		A-10-H	5,408,394	772,203	0.1428	232	229
4	442.000	B-9 Commercial	17,757,752	2,822,777	0.1590	843	842
5		C-7	79,490,930	11,685,673	0.1470	153	153
6	444.000	Street Lighting	1,314,792	183,000	0.1392	1	1
7		M-7	9,157,834	1,237,111	0.1351	74	74
8	445.000	S-4 Outdoor Lighting	469,767	75,682	0.1611	156	156
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			199,314,564	29,904,162	0.1500	10,350	10,347



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

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance or reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	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	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	15,333,171	(1,096,774)
27	556 System control and load dispatching	0	0
28	557 Other expenses	443,405	8,404
29	Total other power supply expenses	15,776,576	(1,088,370)
30	Total power production expenses	15,776,576	(1,088,370)
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	16,507	(3,978)
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	4,101,126	361,744
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	4,117,633	357,766
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	86	86
49	Total maintenance	86	86
50	Total transmission expenses	4,117,719	357,852

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	326,150	23,506
4	581 Load dispatching (Operation Labor)	201,312	10,148
5	582 Station expenses	17,140	(2,543)
6	583 Overhead line expenses	17,912	2,233
7	584 Underground line expenses	2,822	396
8	585 Street lighting and signal system expenses	24,934	(5,432)
9	586 Meter expenses	85,452	11,443
10	587 Customer installations expenses	8,007	(75)
11	588 Miscellaneous distribution expenses	65,385	697
12	589 Rents		0
13	Total operation	749,114	40,373
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	851,945	(41,133)
19	594 Maintenance of underground lines	0	0
20	595 Maintenance of line transformers	28,862	5,880
21	596 Maintenance of street lighting and signal systems	41,506	2,279
22	597 Maintenance of meters	0	(238)
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	922,313	(33,212)
25	Total distribution expenses	1,671,427	7,161
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	205,112	14,053
30	903 Customer records and collection expenses	825,586	13,246
31	904 Uncollectible accounts	9,171	7,948
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	1,039,869	35,247
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	0	0
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	168,734	6,078
44	921 Office supplies and expenses	19,706	(796)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	192,079	9,878
47	924 Property insurance	181,242	14,923
48	925 Injuries and damages	2,643	2,643
49	926 Employee pensions and benefits	1,257,161	291,307
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	113,072	(867)
53	931 Rents	69,050	(54,976)
54	Total operation	2,003,687	268,190

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continuer</b>				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont</b>			
2	Maintenance:			
3	932 Maintenance of general plant	71,184	(14,427)	
4	933 Transportation	63,894	(6,972)	
5	Total administrative and general expenses	2,138,765	246,791	
6	Total Electric Operation and Maintenance Expenses	24,744,356	(441,319)	
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
7	<b>Power Production Expenses</b>			
8	Electric Generation:			
9	Steam Power:			
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power			
13	Other Power Supply Expenses	15,776,576	0	15,776,576
14	Total power production expenses	15,776,576	0	15,776,576
15	Transmission Expenses	4,117,719	0	4,117,719
16	Distribution Expenses	749,114	922,313	1,671,427
17	Customer Accounts Expenses	1,039,869	0	1,039,869
18	Sales Expenses	0	0	0
19	Administrative and General Expenses	2,003,687	135,078	2,138,765
20	Total Electric Operation and Maintenance Expenses	23,686,965	1,057,391	24,744,356
21	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)			87.27%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			2,885,804
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			30



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					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
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38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

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

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G,

and place an "x" in column (c) if sale involves export across a state line.

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	Installed Capability	FP						
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
	* Winter period contract demand.							



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)
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)	
		0	0			0	N/A
TOTALS:		0	0	0		0	

PURCHASED POWER (Account 555)  
(EXCEPT INTERCHANGE POWER)

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

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

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	New York Power Authority	FP	X	SUBSTATIONS	RS	1425		
2	Stonybrook Peaking	O		SUBSTATIONS	RS	9060		
3	Stonybrook Intermediate	O		SUBSTATIONS	RS	13657		
4	Nuclear Mix 1(Seabrook)	O	X	SUBSTATIONS	RS	61		
5	Nuclear Project 3 (Millstone)	O	X	SUBSTATIONS	RS	526		
6	Nuclear Project 4 (Seabrook)	O	X	SUBSTATIONS	RS	1703		
7	Nuclear Project 5 (Seabrook)	O	X	SUBSTATIONS	RS	210		
8	Project 6 (Seabrook)	O	X	SUBSTATIONS	RS	3473		
9	Braintree Electric - Potter II CO							
10	BELD Watson							
11	Nextera							
12	Exelon (Constellation)							
13	Miller Hydro							
14	Grandby Landfill							
15	Commonwealth New Bedford							
16	Spruce Mountain Wind							
17	NuGen - Harrington St.							
18	Saddleback Ridge							
19	Rate Stabilization							
20	Flush of Funds							

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		9,763,209	70,025	48,035	5,593	123,653	\$0.0127	1
60 Minutes		159,472	139,114	35,809	2,087	177,010	\$1.1100	2
60 Minutes		4,240,604	1,004,505	207,660	7,839	1,220,004	\$0.2877	3
60 Minutes		5,611,642	190,013	27,267	4,309	221,589	\$0.0395	4
60 Minutes		4,170,917	296,691	19,890	3,555	320,136	\$0.0768	5
60 Minutes		15,936,287	846,428	90,379	1,003	937,810	\$0.0588	6
60 Minutes		1,964,238	114,197	11,122	124	125,443	\$0.0639	7
60 Minutes		32,500,652	2,586,997	184,595	2,045	2,773,637	\$0.0853	8
		17,923	123,788	1,959	13,682	139,429	\$7.7793	9
		5,149,696	967,824	194,634	594,343	1,756,801	\$0.3411	10
		35,246,732	273,760	1,814,806	1,605	2,090,171	\$0.0593	11
		23,760,300	0	1,217,798	0	1,217,798	\$0.0513	12
		4,471,944	(11,445)	238,629	0	227,184	\$0.0508	13
		2,423,783	(14,790)	123,613	573	109,396	\$0.0451	14
		5,521,908	0	263,977	0	263,977	\$0.0478	15
		6,308,060	(23,733)	626,075	(189,011)	413,331	\$0.0655	16
		2,853,110	0	174,040	0	174,040	\$0.0610	17
		5,549,411	(4,323)	515,840	(146,309)	365,208	\$0.0658	18
		0	0	0	615,101	615,101	N/A	19
		0	0	0	(301,091)	(301,091)	N/A	20
TOTALS:		165,649,888	6,559,051	5,796,128	615,448	12,970,627		

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

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

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

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1	NEPEX				207,038,587	165,649,888	41,388,699	2,362,544
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				207,038,587	165,649,888	41,388,699	2,362,544

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	2,362,544
14			
15			
16			
17			
18			
19			
20	TOTAL		2,362,544

**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		
4	Nuclear		
5	Hydro		
6	Other		
7	Total Generation		0
8	Purchases		165,649,888
9		( In (gross) 207,038,587	
10	Interchanges	< Out (gross) 165,649,888	
11		( Net (Kwh)	41,388,699
12		( Received 0	
13	Transmission for/by others (wheeling)	< Delivered 0	
14		( Net (Kwh)	0
15	<b>TOTAL</b>		<b>207,038,587</b>
16	<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales)		199,314,564
18	Sales for resale		0
19	Energy furnished without charge		
20	Energy used by the company (excluding station use):		
21	Electric department only		
22	Energy losses		
23	Transmission and conversion losses		
24	Distribution losses	3.73%	7,724,023
25	Unaccounted for losses		
26	Total energy losses		7,724,023
27	Energy losses as percent of total on line	3.73%	
28		<b>TOTAL</b>	<b>207,038,587</b>

**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 Hingham**

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	33,780	Tuesday	19	7:00 PM	60 min	17,583,229
30	February	32,630	Thursday	11	7:00 PM	60 min	15,899,310
31	March	28,930	Thursday	3	7:00 PM	60 min	15,644,030
32	April	28,930	Monday	4	8:00 PM	60 min	14,344,490
33	May	37,770	Tuesday	31	5:00 PM	60 min	15,651,650
34	June	42,140	Wednesday	29	4:00 PM	60 min	17,679,400
35	July	51,770	Friday	22	3:00 PM	60 min	22,404,334
36	August	55,630	Friday	12	3:00 PM	60 min	22,620,320
37	September	48,710	Friday	9	4:00 PM	60 min	17,343,530
38	October	29,390	Wednesday	19	7:00 PM	60 min	15,077,244
39	November	30,440	Monday	21	6:00 PM	60 min	15,087,190
40	December	35,210	Friday	16	6:00 PM	60 min	17,703,860
41						<b>TOTAL</b>	<b>207,038,587</b>

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

<b>TRANSMISSION LINE STATISTICS</b>								
Report information concerning transmission line as indicated below								
Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	NEPCO'S	HOBART	115KV	STEEL/WOOD	0		2	336.4
2	EAST	STREET						
3	WEYMOUTH	SUBSTATION						
4	SUBSTATION	HINGHAM						
5								
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35								
36								
37								
38								
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40								
41								
42								
43								
44								
45								
46								
47	TOTALS				0		0	

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

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.  
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.  
 3. Substations with capacities of less 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.

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	HOBART STREET	Distribution	115	13.8		120,000	3	0	0	0	0
2		Unattended									
3											
4											
5											
6											
7											
8											
9											
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19											
20											
21											
22											
23											
24											
25											
26	TOTALS					120,000	3	0			



## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	170.54		170.54
2	Added During Year	0.00		0.00
3	Retired During Year	0.00		0.00
4	Miles -- End of Year	170.54	0.00	170.54
5	*			
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10				
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:	8,431	11,197	3,308	131,769
17	Additions during year				
18	Purchased	23	6,103	3	375
19	Installed				
20	Associated with utility plant acquired				
21	Total Additions	23	6,103	3	375
22	Reductions during year:				
23	Retirements		6,117	86	2,712
24	Associated with utility plant sold				
25	Total Reductions		6,117	86	2,712
26	Number at end of year	8,454	11,183	3,225	129,432
27	In stock		974	178	9,326
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		10,209	3,047	120,106
31	In company's use				
32	Number at end of year		11,183	3,225	129,432

\*

<b>CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)</b> 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	Hingham Distribution Substation	26.227	86.63	13.8KV		
2						
3						
4						
5	New Additions 2015	0.330	0.290	13.8KV		
6						
7	New Additions 2015	0.120	0.060	600V		
8						
9						
10	New Additions 2016	0.210	0.180	13.8KV		
11						
12	New Additions 2016	0.037	0.018	600V		
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
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41						
42						
43						
44						
45						
46						
47						
48	TOTALS	26.924	87.18		0.00	0.00

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

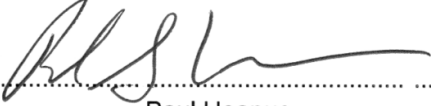
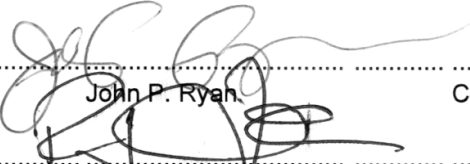

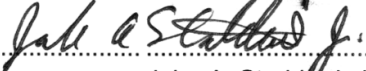
Line No.	City or Town (a)	Total (b)	Type								
			Incandescent		Mercury Vapor		Florescent & Quartz		Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)	
1	HINGHAM	3,154	0	0	0	0	0	0	0	2,631	523
2											
3											
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49											
50											
51											
52	TOTALS	3,154	0	0	0	0	0	0	0	2,631	523

**RATE SCHEDULE INFORMATION**

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

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		No Rate Changes in 2016		

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

.....		Mayor
		
.....	Paul Heanue	Manager of Electric Light
	Manager	
.....		)
	John P. Ryan	Chairman
.....		
	Roger Freeman	Secretary
.....		Selectmen
	John A. Stoddard, Jr.	or
.....		Members
	Vice-Chairman	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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