

# The Commonwealth of Massachusetts

## Return

of the

Municipal Light Department of

the Town of  
**BRAINTREE**

to the

**Department of Public Utilities**

of Massachusetts

For the Year ended December 31,

**2011**

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

Official title: General Manager

William Bottiggi

Office address: 150 Potter Road

Braintree, MA 02184

*Goulet, Salvidio & Associates, P.C.*  
*Certified Public Accountants*

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James F. Goulet, CPA, MST  
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INDEPENDENT ACCOUNTANTS' COMPILATION REPORT

The Board of Commissioners  
Braintree Electric Light Department  
Braintree, Massachusetts 02184

We have compiled the balance sheet of Braintree Electric Light Department as of December 31, 2011 and the related statements of income and unappropriated retained earnings for the year then ended included in the accompanying prescribed form. We have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with the form prescribed by the Massachusetts Department of Public Utilities.

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

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

These financial statements are presented in accordance with the requirements of the Massachusetts Department of Public Utilities, which differ from accounting principles generally accepted in the United States of America. This report is intended solely for the information and use of the Massachusetts Department of Public Utilities and is not intended to be and should not be used by anyone other than this specified party.

Goulet, Salvidio & Associates P.C.

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

Worcester, Massachusetts  
April 24, 2012

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

- |     |   |   |
|-----|---|---|
| 1.  | Name of town (or city) making report.   | Braintree   |
| 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, 119; No, 3 Second vote: Yes, 146; No, 5<br>Date when town (or city) began to sell gas and electricity, | Electric<br><br><br><br><br><br>July 1893   |
| 3.  | Name and address of manager of municipal lighting:  | William Bottiggi<br>150 Potter Road<br>Braintree, MA 02184  |
| 4.  | Name and address of mayor or selectmen:   | Charles Ryan Braintree, MA<br>Charles Kokoros Braintree, MA<br>LeLand Dingee Braintree, MA<br>Sean Powers Braintree, MA<br>John Mullaney Braintree, MA<br>Thomas Bowes Braintree, MA<br>Henry Joyce Braintree, MA<br>Paul "Dan" Clifford Braintree, MA<br>Ronald DeNapoli Braintree, MA |
| 5.  | Name and address of town (or city) treasurer:   | Edward Spellman<br>1 JFK Memorial Drive<br>Braintree, MA 02184  |
| 6.  | Name and address of town (or city) clerk:   | Joseph Powers<br>1 JFK Memorial Drive<br>Braintree, MA 02184  |
| 7.  | Names and addresses of members of municipal light board:  | Anthony Agnitti Braintree, MA<br>James Regan Braintree, MA<br>Thomas J. Reynolds Braintree, MA  |
| 8.  | Total valuation of estates in town (or city) according to last State valuation<br>(taxable)   | \$5,127,792,668   |
| 9.  | Tax rate for all purposes during the year:  | Residential \$10.20<br>Commercial/Industrial/Personal Property \$23.29  |
| 10. | Amount of manager's salary:   | \$162,500   |
| 11. | Amount of manager's bond:   | \$100,000   |
| 12. | Amount of salary paid to members of municipal light board (each):   | \$0   |

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	65,000,000
3		
4		
	<b>TOTAL</b>	65,000,000
5	<b>EXPENSES</b>	
6	For operation, maintenance and repairs	55,000,000
7	For interest on bonds, notes or scrip	
8	For depreciation fund ( 3 % 227,200,640 as per page 8B)	6,816,019
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13		
	<b>TOTAL</b>	61,816,019
14		
15	<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	1,800,000
19	Of electricity to be used for street lights	550,000
20	Total of above items to be included in the tax levy	2,350,000
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	

**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
		Braintree	15,766
<b>TOTAL</b>	0	<b>TOTAL</b>	15,766



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	
March 1893	April 1893	16,500					
March 1924	July 1924	50,000					
June 1951	February 1952	1,400,000					
March 1958	May 1958	1,500,000					
March 1959	May 1959	2,500,000					
October 1973	August 1975	17,000,000					
October 1973	October 1976	5,000,000					
May 2009	May 2009	109,700,000	3,935,000	15-May-10	4.80%	5/15/2010	
			4,050,000	15-May-11	4.80%	5/15/2011	101,715,000
			4,260,000	15-May-12	4.80%	5/15/2012	
			4,415,000	15-May-13	4.80%	5/15/2013	
			4,630,000	15-May-14	4.80%	5/15/2014	
			4,855,000	15-May-15	4.80%	5/15/2015	
			5,085,000	15-May-16	4.80%	5/15/2016	
			5,335,000	15-May-17	4.80%	5/15/2017	
			5,600,000	15-May-18	4.80%	5/15/2018	
			5,875,000	15-May-19	4.80%	5/15/2019	
			6,175,000	15-May-20	4.80%	5/15/2020	
			6,480,000	15-May-21	4.80%	5/15/2021	
			6,810,000	15-May-22	4.80%	5/15/2022	
			7,150,000	15-May-23	4.80%	5/15/2023	
			7,510,000	15-May-24	4.80%	5/15/2024	
			7,855,000	15-May-25	4.80%	5/15/2025	
			8,245,000	15-May-26	4.80%	5/15/2026	
			7,930,000	15-May-27	4.80%	5/15/2027	
			3,505,000	15-May-28	4.80%	5/15/2028	
	TOTAL	137,166,500	109,700,000			TOTAL	101,715,000

The bonds and notes outstanding at end of year should agree with the Balance Sheet.  
 When bond and notes are repaid report the first three columns only  
 \* Date of meeting and whether regular or special  
 \*\* List original issues of bonds and notes including those that have been repaid

**Town Notes**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
March 1892	May 1892	30,000					
October 1896	October 1896	3,000					
November 1899	November 1899	2,500					
January 1900	January 1900	26,000					
June 1900	June 1900	5,000					
May 2006	November 2006	8,500,000					
June 2007	June 2007	12,000,000					
November 2007	November 2007	65,500,000					
June 2008	June 2008	33,864,420					
	TOTAL	119,930,920				TOTAL	0

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	631,438					631,438
8	311 Structures and Improvements	8,350,582	659,533				9,010,115
9	312 Boiler Plant Equipment	4,352,889					4,352,889
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units	11,888,823					11,888,823
12	315 Accessory Electric Equipment	3,167,033					3,167,033
13	316 Miscellaneous Power Plant Equipment	686,065					686,065
15	Total Steam Production Plant	29,076,830	659,533	0	0	0	29,736,363
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	10,781,728	692,800				11,474,528
13	342 Fuel Holders, Producers and Accessories	10,032,741	72,527		(151,139.00)		9,954,129
14	343 Prime Movers	26,516,790	42,550				26,559,340
15	344 Generators	45,369,218	1,672,500				47,041,718
16	345 Accessory Electric Equipment	14,015,437					14,015,437
17	346 Miscellaneous Power Plant Equipment	2,311,648			(29,803)		2,281,845
18	Total Other Production Plant	109,027,562	2,480,377	0	(180,942.00)	0	111,326,997
19	Total Production Plant	138,104,392	3,139,910	0	(180,942.00)	0	141,063,360
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361					258,361
22	351 Clearing Land and Rights of Way	107,653					107,653
23	352 Structures and Improvements	2,967,172	10,536				2,977,708
24	353 Station Equipment	11,464,098	53,257				11,517,355
25	354 Towers and Fixtures	545,982					545,982
26	355 Poles and Fixtures	212,981					212,981
27	356 Overhead Conductors and Devices	2,719,932					2,719,932
28	357 Underground Conduit	2,789,356					2,789,356
29	358 Underground Conductors and Devices	2,936,530					2,936,530
30	359 Roads and Trails	12,524					12,524
31	Total Transmission Plant	24,014,589	63,793	0	0	0	24,078,382

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	35,000					35,000
3	361 Structures and Improvements	709,658	1,438,639				2,148,297
4	362 Station Equipment	4,320,853	47,262				4,368,115
5	363 Storage Battery Equipment						
6	364 Poles Towers and Fixtures	2,840,156	144,699	(6,952)			2,977,903
7	365 Overhead Conductors and Devices	3,615,321	75,981	(6,261)			3,685,040
8	366 Underground Conduit	9,408,573	27,031				9,435,604
9	367 Underground Conductors and Devices	10,274,675	203,634				10,478,309
10	368 Line Transformers	7,130,503	175,948	(53,831)			7,252,620
11	369 Services	488,937	50,284				539,221
12	370 Meters	2,606,573	1,533,115	(795,755)			3,343,933
13	371 Installations on Customer's Premises	509,145		(2,376)			506,769
14	372 Leased Prop on Customer's Premises						
15	373 Streetlight and Signal Systems	940,976	18,730	(9,215)			950,491
16	Total Distribution Plant	42,880,370	3,715,322	(874,390)	0	0	45,721,302
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements						
20	391 Office Furniture and Equipment	5,993,580	54,333				6,047,913
21	392 Transportation Equipment	1,743,027	211,959	(182,222)			1,772,764
22	393 Stores Equipment	5,458	22,950				28,408
23	394 Tools, Shop and Garage Equipment	87,036					87,036
24	395 Laboratory Equipment	26,132					26,132
25	396 Power Operated Equipment	12,700	902				13,602
26	397 Communication Equipment	8,388,465	646,833				9,035,298
27	398 Miscellaneous Equipment	251,241					251,241
28	399 Other Tangible Property						
29	Total General Plant	16,507,639	936,978	(182,222)	0	0	17,262,395
30	Total Electric Plant in Service	221,506,990	7,856,003	(1,056,612)	(180,942)	0	228,125,439
31							Total Cost of Electric Plant..... 228,125,439
33							Less Cost of Land, Land Rights, Rights of Way..... 924,799
34							Total Cost upon which Depreciation is based ..... 227,200,640

The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.

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<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)	153,562,749	152,704,941	(857,808)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	153,562,749	152,704,941	(857,808)
6					
7					
8					
9					
10		<b>FUND ACCOUNTS</b>			
11	123	Investment in Affiliated Company	895,092	1,395,092	500,000
12	125	Construction Fund	5,868,527	3,925,635	(1,942,892)
13	126	Depreciation Fund (P. 14)	711,393	2,092,049	1,380,656
14	128	Other Special Funds	10,491,680	11,653,203	1,161,523
15		Total Funds	17,966,692	19,065,979	1,099,287
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	6,796,497	4,081,404	(2,715,093)
18	132	Special Deposits	487,981	681,228	193,247
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	4,182,371	3,549,089	(633,282)
22	143	Other Accounts Receivable	1,990,027	543,579	(1,446,448)
23	146	Receivables from Municipality	143,731	118,523	(25,208)
24	151	Materials and Supplies (P. 14)	3,784,766	3,791,132	6,366
25					
26	165	Prepayments	176,421	305,468	129,047
27	174	Miscellaneous Current Assets	1,974,772	2,421,462	446,690
28		Total Current and Accrued Assets	19,539,066	15,494,385	(4,044,681)
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	842,884	858,466	15,582
33		Total Deferred Debits	842,884	858,466	15,582
34					
35		Total Assets and Other Debits	191,911,391	188,123,771	(3,787,620)

<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
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	31,401,500	35,451,500	4,050,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	27,336,218	21,829,134	(5,507,084)
8		Total Surplus	58,783,887	57,326,803	(1,457,084)
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	105,765,000	101,715,000	(4,050,000)
11	224	Other Long Term Debt	0	0	0
12	227	Obligation under Capital Lease	0	0	0
13	231	Notes Payable (P. 7)	0	0	0
14		Total Bonds and Notes	105,765,000	101,715,000	(4,050,000)
15		<b>CURRENT AND ACCRUED LIABILITIES</b>			
16	232	Accounts Payable	4,243,253	5,065,841	822,588
17	234	Payables to Municipality	0	0	0
18	235	Customers' Deposits	2,372,193	1,553,763	(818,430)
19	236	Taxes Accrued	0	0	0
20	237	Interest Accrued	645,168	619,855	(25,313)
21	242	Miscellaneous Current and Accrued Liabilities	606,825	658,349	51,524
22		Total Current and Accrued Liabilities	7,867,439	7,897,808	30,369
23		<b>DEFERRED CREDITS</b>			
24	251	Unamortized Premium on Debt	7,897,298	7,110,170	(787,128)
25	252	Customer Advances for Construction	0	0	0
26	253	Other Deferred Credits	436,076	405,410	(30,666)
27		Total Deferred Credits	8,333,374	7,515,580	(817,794)
28		<b>RESERVES</b>			
29	260	Reserves for Uncollectible Accounts	145,511	140,017	(5,494)
30	261	Property Insurance Reserve	0	0	0
31	262	Injuries and Damages Reserves	0	0	0
32	263	Pensions and Benefits Reserves	3,138,276	3,916,517	778,241
33	265	Miscellaneous Operating Reserves	7,562,806	9,228,258	1,665,452
34		Total Reserves	10,846,593	13,284,792	2,438,199
35		<b>CONTRIBUTIONS IN AID OF</b>			
36		<b>CONSTRUCTION</b>			
37	271	Contributions in Aid of Construction	315,098	383,788	68,691
38		Total Liabilities and Other Credits	191,911,391	188,123,771	(3,787,620)

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.

<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)	64,657,853	(4,493,147)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	48,145,968	(2,378,247)
5	402 Maintenance Expense	4,131,973	178,271
6	403 Depreciation Expense	7,874,714	571,224
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	60,152,655	(1,628,752)
11	Operating Income	4,505,198	(2,864,395)
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	4,505,198	(2,864,395)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	417,809	(100,815)
17	419 Interest Income	32,244	(27,450)
18	421 Miscellaneous Nonoperating Income (P. 21)		
19	Total Other Income	450,053	(128,265)
20	Total Income	4,955,251	(2,992,660)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions	(20,918)	162,396
24	Total Income Deductions	(20,918)	162,396
25	Income Before Interest Charges	4,976,169	(3,155,056)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	5,034,781	(170,832)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit	(787,128)	26,708
30	431 Other Interest Expense	1,927	308
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	4,249,580	(143,816)
33	<b>NET INCOME</b>	726,589	(3,011,240)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		27,336,218
35			
36			
37	433 Balance Transferred from Income		726,589
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	4,050,000	
40	436 Appropriations of Surplus (P. 21)	2,183,673	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	21,829,134	
43			
44	<b>TOTALS</b>	28,062,807	28,062,807

<b>CASH BALANCES AT END OF YEAR</b>		<b>Page 14</b>			
Line No.	Items (a)	Amount (b)			
1	Operation Fund	4,081,404			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12	<b>TOTAL</b>	4,081,404			
<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)	3,791,132			
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			3,791,132	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	711,393			
26	Income during year from balance on deposit (interest)	9,825			
27	Amount transferred from income (depreciation)	3,824,500			
28					
29	<b>TOTAL</b>	4,545,718			
30	<b>CREDITS</b>				
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	2,453,669			
32	Amounts expended for renewals,viz:-				
33	Power Contract Settlement				
34					
35					
36					
37					
38					
39	Balance on hand at end of year	2,092,049			
40	<b>TOTAL</b>	4,545,718			



UTILITY PLANT - ELECTRIC

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						0
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights	631,438	0				631,438
8	311 Structures and Improvements	2,603,505	659,533	453,510			2,809,528
9	312 Boiler Plant Equipment	12,456	0	0			12,456
10	313 Engines and Engine Driven Generators		0	0			
11	314 Turbogenerator Units	476,576	0	424,427			52,149
12	315 Accessory Electric Equipment	935,404	0	113,062			822,342
13	316 Miscellaneous Power Plant Equipment	117,215	0	24,492			92,723
15	Total Steam Production Plant	4,776,594	659,533	1,015,492	0	0	4,420,635
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0	0	0	0	0	0

UTILITY PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	0					
12	341 Structures and Improvements	10,157,053	692,800	384,904			10,464,948
13	342 Fuel Holders, Producers and Accessories	9,175,470	72,527	358,166		(151,139)	8,738,693
14	343 Prime Movers	25,118,138	42,550	946,641			24,214,047
15	344 Generators	42,454,335	1,672,500	1,619,667		0	42,507,169
16	345 Accessory Electric Equipment	13,284,471	0	500,347			12,784,124
17	346 Miscellaneous Power Plant Equipment	2,206,197	0	82,525		(29,803)	2,123,672
18	Total Other Production Plant	102,395,664	2,480,377	3,892,249	0	(180,942)	100,802,850
19	Total Production Plant	107,172,258	3,139,910	4,907,741	0	(180,942)	105,223,485
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361	0				258,361
22	351 Clearing Land and Rights of Way	5,088	0	3,843			1,245
23	352 Structures and Improvements	1,584,912	10,536	105,927			1,489,520
24	353 Station Equipment	6,938,955	53,257	409,265			6,582,948
25	354 Towers and Fixtures	369,820	0	27,094			342,726
26	355 Poles and Fixtures	0	0	0			0
27	356 Overhead Conductors and Devices	2,445,501	0	97,101		0	2,348,401
28	357 Underground Conduit	741,688	0	99,579			642,109
29	358 Underground Conductors and Devices	1,294,918	0	105,280			1,189,638
30	359 Roads and Trails	0	0				0
31	Total Transmission Plant	13,639,244	63,793	848,089	0	0	12,854,948

UTILITY PLANT -- ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Yea (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		0				
3	361 Structures and Improvements	276,302	1,438,639	25,335			1,689,606
4	362 Station Equipment	2,053,704	47,262	154,253			1,946,713
5	363 Storage Battery Equipment	0	0	0			0
6	364 Poles Towers and Fixtures	1,231,726	144,699	101,393			1,275,032
7	365 Overhead Conductors and Devices	414,277	75,981	129,066			361,192
8	366 Underground Conduit	4,129,458	27,031	335,883			3,820,606
9	367 Underground Conductors and Devices	6,346,374	203,634	366,803			6,183,206
10	368 Line Transformers	3,913,367	175,948	254,557			3,834,758
11	369 Services	15,198	50,284	17,455			48,027
12	370 Meters	1,061,041	1,533,115	93,054			2,501,102
13	371 Installations on Customer's Premises	192,169	0	18,176			173,993
14	372 Leased Prop on Customer's Premises	0	0	0			0
15	373 Streetlight and Signal Systems	690,594	18,730	33,593			675,731
16	Total Distribution Plant	20,324,209	3,715,322	1,529,566	0	0	22,509,965
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0				
19	390 Structures and Improvements	0	0				
20	391 Office Furniture and Equipment	3,946,642	54,333	213,969			3,787,007
21	392 Transportation Equipment	1,445,495	211,959	65,333			1,592,121
22	393 Stores Equipment	0	22,950	195			22,755
23	394 Tools, Shop and Garage Equipment		0	0			0
24	395 Laboratory Equipment	3,342	0	933			2,410
25	396 Power Operated Equipment	7,957	902	453			8,406
26	397 Communication Equipment	5,532,952	646,833	299,466			5,880,320
27	398 Miscellaneous Equipment	159,309	0	8,969			150,340
28	399 Other Tangible Property		0	0			
29	Total General Plant	11,095,698	936,978	589,317	0	0	11,443,358
30	Total Electric Plant in Service	152,231,410	7,856,003	7,874,714	0	(180,942)	152,031,757
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	1,331,340	3,564,482		(4,222,638)		673,185
34	Total Utility Plant Electric	153,562,750	11,420,485	7,874,714	(4,222,638)	(180,942)	152,704,941

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**

(Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year					
2	Received During Year					
3	TOTAL	0				
4	Used During Year (Note A)					
5						
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	0				
13	BALANCE END OF YEAR	0				
Line No.	Item (g)	Total Cost (b)	Kinds of Fuel and Oil - continued			
			Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF					
26	BALANCE END OF YEAR					

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

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		<b>Page 21</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	Premium Bond Payments	4,050,000
25		
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	4,050,000
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	In lieu of tax payments to town	2,183,673
34		
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	2,183,673

**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	444-2	Municipal: (Other than Street Lighting)	10,505,968	1,503,669	0.1431
6					
7					
8		<b>TOTALS</b>	10,505,968	1,503,669	0.1431
9	444-1	Street Lighting	3,383,342	501,173	0.1481
10					
11					
12		<b>TOTALS</b>	3,383,342	501,173	0.1481
13		<b>TOTALS</b>	13,889,310	2,004,842	0.1443

**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	MMWEC NYPA	Grove Street	11,172,499	286,945	0.0257
21	MMWEC Seabrook	Substation	51,289,815	5,284,995	0.1030
22	Energy New England	Braintree, MA	239,344,401	17,603,205	0.0735
23	Taunton Municipal Light	115KV	4,928,250	1,179,082	0.2392
24	ISO New England Interchange		52,504,085	6,761,657	0.1288
25	Hydro			17,752	
26	PTF Credits			(2,669,404)	
27	Fwd Reserve Credits			(519,662)	
28	Rate Stabilization			1,640,737	
29	National Grid			156,713	
30	Other power Expense			28,408	
31					
32					
33					
34		<b>TOTALS</b>	359,239,050	29,770,428	0.0829

**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)
32	Hingham Municipal Light (Potter)	Grove Street	311,726	139,768	0.4484
33	North Attleboro Electric Dept. (Potter)	Substation	706,237	316,653	0.4484
34	Hingham Municipal Light (Watson)	Braintree, MA	4,896,533	1,753,021	0.3580
35	Concord Municipal (Watson)	115KV	4,284,469	1,533,893	0.3580
36	Taunton Municipal Light (Watson)		4,896,533	1,753,021	0.3580
37	Wellesley Municipal Light (Watson)		4,896,533	1,753,021	0.3580
38	Reading Municipal Light (Watson)		4,896,533	1,753,021	0.3580
39	Chicopee Electric Light (Watson)		4,896,533	1,753,021	0.3580
40	New Hampshire Electric Coop (Watson)		5,508,601	1,959,358	0.3557
41		<b>TOTALS</b>	35,293,698	12,714,777	0.3603

**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	15,423,030	16,562,051	(1,139,021)	116,914,372	(3,069,501)	13,365	86
3	442 Commercial and Industrial Sales							
4	Small Commercial B Sales	29,893,782	32,195,857	(2,302,075)	207,055,691	(7,289,370)	2,286	31
5	Large Commercial C Sales	3,521,803	3,770,327	(248,524)	26,511,988	(692,230)	7	(1)
6	444 Municipal Sales	1,503,669	1,620,363	(116,694)	10,505,968	(318,270)	116	1
7	445 Street Lighting	501,173	465,872	35,301	3,383,342	(9,709)		
8	446 Sales to Railroads and Railways							
9	448 Interdepartmental Sales							
10	449 Miscellaneous Sales	98,746	95,788	2,958	850,425	9,300	199	
11	<b>Total Sales to Ultimate Consumers</b>	50,942,203	54,710,258	(3,768,055)	365,221,786	(11,369,780)	15,973	117
12	447 Sales for Resale	12,714,779	14,348,223	(1,633,444)	35,293,698	(37,487,161)	9	0
13	<b>Total Sales of Electricity*</b>	63,656,982	69,058,481	(5,401,499)	400,515,484	(48,856,941)	15,982	118
14	<b>OTHER OPERATING REVENUES</b>							
15	450 Forfeited Discounts		0	0				
16	451 Miscellaneous Service Revenues		0	0				
17	453 Sales of Water and Water Power		0	0				
18	454 Rent from Electric Property	473,651	530,356	(56,705)				
19	455 Interdepartmental Rents							
20	456 Other Electric Revenues	80,529	94,357	(13,828)				
21								
22	ISP Revenues							
23	Miscellaneous Adjustments to Sales	446,691	(532,194)	978,885				
24								
25	Total Other Operating Revenues	1,000,871	92,519	908,352				
26	Total Electric Operating Revenue	64,657,853	69,151,000	(4,493,147)				

\* Includes revenues from application of fuel clauses \$ **\$7,219,755.86**

Total KWH to which applied **360,988,019**

**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		A1 Residential	107,300,445	14,192,520	0.1323	12,430	12,469
2		A1C Controlled Water Heating	9,606,813	1,230,108	0.1280	907	888
3		DG1 Distributed Generation	7,114	402	0.0565	8	8
4		G1 Small General Service	75,727,401	11,184,245	0.1477	2,110	2,129
5		G2 Large General Service	108,583,335	15,569,555	0.1434	132	133
6		H1 Commercial Heating and Cooling	22,744,955	3,139,982	0.1381	24	24
7		P1 Industrial	26,511,988	3,521,803	0.1328	8	7
8		MG1 Municipal	3,390,342	496,795	0.1465	106	107
9		MG2 Municipal	5,444,786	776,292	0.1426	6	6
10		MH1 Municipal	1,670,840	230,582	0.1380	3	3
11		Street Lighting	3,383,342	501,173	0.1481	1	1
12		L1 Area Lighting	850,425	98,746	0.1161	199	199
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			365,221,786	50,942,203	0.1395	15,934	15,974



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Page 39

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	189,655	23,230
5	501 Fuel	685,704	(427,402)
6	502 Steam Expenses	515,866	(50,621)
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	1,391,225	(454,793)
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	(21,195)
15	511 Maintenance of Structures	529,028	116,712
16	512 Maintenance of boiler plant	154,871	(15,114)
17	513 Maintenance of electric plant	200,416	98,964
18	514 Maintenance of miscellaneous steam plant	135,930	32,777
19	Total Maintenance	1,020,245	212,144
20	Total power production expenses -steam power	2,411,470	(242,649)
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	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	372,183	(108,278)
13	547 Fuel	2,997,038	(2,515,556)
14	548 Generation Expenses	1,403,523	(119,935)
15	549 Miscellaneous other power generation expense	189,389	(40,037)
16	550 Rents	0	0
17	Total Operation	4,962,133	(2,783,806)
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	317,595	271,830
21	553 Maintenance of generating and electric plant	475,019	165,866
22	554 Maintenance of miscellaneous other power generation plant	5,656	5,656
23	Total Maintenance	798,270	443,352
24	Total power production expenses - other power	5,760,403	(2,340,454)
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	29,770,428	(171,086)
27	556 System control and load dispatching	0	0
28	557 Other expenses	281,612	79,461
29	Total other power supply expenses	30,052,040	(91,625)
30	Total power production expenses	38,223,913	(2,674,728)
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	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	0	0
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	1,447	510
41	Total Operation	1,447	510
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	(13,562)
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	49,794	(42,368)
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	10,336	3,096
48	573 Maintenance of miscellaneous transmission plant	3,981	911
49	Total maintenance	64,111	(51,923)
50	Total transmission expenses	65,558	

<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	183,314	(119,691)
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	0	(198)
6	583 Overhead line expenses	74,912	49,947
7	584 Underground line expenses	0	(176,410)
8	585 Street lighting and signal system expenses	113,926	(3,615)
9	586 Meter expenses	14,086	10,809
10	587 Customer installations expenses	0	(22,479)
11	588 Miscellaneous distribution expenses	170,847	(17,628)
12	589 Rents	0	0
13	Total operation	557,085	(279,265)
14	Maintenance:		
15	590 Maintenance supervision and engineering	67,739	47,064
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	235,722	130,872
18	593 Maintenance of overhead lines	1,285,549	37,261
19	594 Maintenance of underground lines	675,006	200,117
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	109,916	(14,786)
22	597 Maintenance of meters	178,482	(61,247)
23	598 Maintenance of miscellaneous distribution plant	131,410	(259,407)
24	Total maintenance	2,683,824	79,874
25	Total distribution expenses	3,240,909	(199,391)
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	(61,529)
29	902 Meter reading expenses	157,226	(33,499)
30	903 Customer records and collection expenses	642,347	38,070
31	904 Uncollectible accounts	80,400	(51,125)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	879,973	(108,083)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	479,936	(62,652)
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	479,936	(62,652)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	1,083,381	76,229
44	921 Office supplies and expenses	38,453	(10,778)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	587,466	297,413
47	924 Property insurance	863,889	(3,106)
48	925 Injuries and damages	2,464	(774)
49	926 Employee pensions and benefits	5,677,630	581,897
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	453,229	(18,598)
53	931 Rents	0	0
54	Total operation	8,706,512	922,283

<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>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>			
2	Maintenance:			
3	932 Maintenance of general plant	427,904	(113,747)	
4	933 Transportation expense	253,236	88,007	
5	Total administrative and general expenses	9,387,652	896,543	
6	Total Electric Operation and Maintenance Expenses	52,277,941	(2,199,724)	
<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:	1,391,225	1,020,245	2,411,470
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	5,760,403		5,760,403
13	Other Power Supply Expenses	30,052,040		30,052,040
14	Total power production expenses	37,203,668	1,020,245	38,223,913
15	Transmission Expenses	65,558		65,558
16	Distribution Expenses	557,085	2,683,824	3,240,909
17	Customer Accounts Expenses	879,973		879,973
18	Sales Expenses	479,936		479,936
19	Administrative and General Expenses	8,959,748	427,904	9,387,652
20	Total Electric Operation and			
21	Maintenance Expenses	48,145,968	4,131,973	52,277,941
22	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)			93.03%
23	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			\$9,442,335
24	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			90



**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					
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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				417,809
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	417,809
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs				
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	0	0	0	417,809





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)		
**See Page 22**								1
								2
								3
								4
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								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42



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)		
	** See Page 22**							1
								2
								3
								4
								5
								6
								7
								8
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								11
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								41
	TOTALS:	0	-	-	-	-		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 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							0	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				0	0	0	-

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13			-
14			-
15			
16			
17			
18			
19			
20			
21	TOTAL		-

**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	Generator			
3	Steam	Gas Turbine Combined Cycle		57,132,850
4	Nuclear			
5	Hydro			
6	Other	Diesel, Fuel Cell		35,260
7	Total Generation			57,168,110
8	Purchases			306,734,965
9		( In (gross)	52,504,085	
10	Interchanges	< Out (gross)	0	
11		( Net (Kwh)		52,504,085
12		( Received	0	
13	Transmission for/by others (wheeling)	< Delivered	0	
14		( Net (Kwh)		
15	<b>TOTAL</b>			<b>416,407,160</b>
16	<b>DISPOSITION OF ENERGY</b>			
17	Sales to ultimate consumers (including interdepartmental sales)			365,221,786
18	Sales for resale			35,293,694
19	Energy furnished without charge (station use)			10,063,650
20	Energy used by the company (excluding station use):			
21	Electric department only			514,648
22	Energy losses			
23	Transmission and conversion losses		0	
24	Distribution losses	0.00%		
25	Unaccounted for losses		5,313,382	
26	Total energy losses			5,313,382
27	Energy losses as percent of total on lin	1.28%		
28	<b>TOTAL</b>			<b>416,407,160</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 BRAINTREE**

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	67,860	Mon	24	7:00pm	60 min	37,678,882
30	February	63,220	Tue	1	7:00pm	"	34,029,331
31	March	60,280	Thu	3	7:00pm	"	33,527,165
32	April	54,620	Fri	1	12:00pm	"	30,302,086
33	May	65,830	Fri	27	4:00pm	"	31,216,119
34	June	78,410	Thu	9	4:00pm	"	33,790,093
35	July	90,810	Fri	22	3:00pm	"	44,012,298
36	August	81,760	Mon	1	3:00pm	"	38,559,045
37	September	68,180	Wed	14	2:00pm	"	34,217,718
38	October	54,530	Mon	10	8:00pm	"	33,940,931
39	November	57,150	Wed	23	6:00pm	"	31,323,722
40	December	62,380	Mon	19	6:00pm	"	33,809,770
41						<b>TOTAL</b>	<b>416,407,160</b>

**GENERATING STATION STATISTICS (Large Stations)**  
(Except Nuclear, See Instruction 10)

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)

2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.

3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.

5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.

6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.

7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
			<b>DIESEL</b>	<b>POTTER II</b>
1	Kind of plant (steam, hydro, int. com., gas turbine)		I.C.	Gas Turbine C.C.
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)		Conventional	Oil Production
3				Conventional
4	Year originally constructed		1977	1977
5	Year last unit was installed		1977	1977
6	Total installed capacity (maximum generator name plate ratings in kw)		2,500	97,500
7				
8	Net peak demand on plant-kilowatts (60 min.)		2,500	79,500
9	Plant hours connected to load		27	0
10	Net continuous plant capability, kilowatts:			
11	(a) When not limited by condenser water		2,500	97,500
12	(b) When limited by condenser water		2,500	79,500
13	Average number of employees		0	14
14	Net generation, exclusive of station use		35,260	0
15	Cost of plant (omit cents):			
16	Land and land rights			\$20,271
17	Structures and improvements		\$97,709	\$3,762,859
18	Reservoirs, dams, and waterways			
19	Equipment costs		\$657,373	\$18,429,374
20	Roads, railroads, and bridges			
21	<b>Total cost</b>		<b>\$755,082</b>	<b>\$22,212,504</b>
22	<b>Cost per kw of installed capacity</b>		<b>\$302</b>	<b>\$228</b>
23	Production expenses:			
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		\$10,682.92	\$0.00
27	Supplies and expenses, including water			
28	Maintenance		\$0.00	\$0.00
29	Rents			
30	Steam from other sources			
31	Steam transferred -- Credit			
32	<b>Total production expenses</b>		<b>10,683</b>	<b>0</b>
33	<b>Expenses per net Kwh (5 places)</b>		<b>0.3030</b>	<b>0.0000</b>
34	Fuel: Kind		Oil	Oil
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)		bbls.	bbls.
36				
37	Quantity (units) of fuel consumed		71	0
38	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)		137,077	140,000
39				
40	Average cost of fuel per unit, del. f.o.b. plant		150.97	
41	Average cost of fuel per unit consumed		150.97	
42	Average cost of fuel consumed per million B.t.u.		26.22	
43	Average cost of fuel consumed per kwh net gen.		0.30298	
44	Average B.t.u. per kwh net generation			
45				
46				

**GENERATING STATION STATISTICS (Large Stations) – Continued**  
(Except Nuclear, See Instruction 10)

547 as shown on Line 24

operations with a conventional steam unit, the gas turbine should be included with the steam station.

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
<b>POTTER II</b>	Watson Unit 1	Watson Unit 1	Watson Unit 2	Watson Unit 2		
Gas Turbine C.C.	Simple Cycle GT	Simple Cycle GT	Simple Cycle GT	Simple Cycle GT		1
Gas Production	Gas Production	Oil Production	Gas Production	Oil Production		2
Conventional	Conventional	Conventional	Conventional	Conventional		3
1977	2009	2009	2009	2009		4
1977	2009	2009	2009	2009		5
						6
97,500	58,000	58,000	58,000	58,000		7
79,500	58,000	58,000	58,000	58,000		8
139	577.05	5.37	484.94	5.28		9
						10
97,500	58,000	58,000	58,000	58,000		11
79,500	58,000	58,000	58,000	58,000		12
14	14	14	14	14		13
8,167,530	26,255,950	185,380	22,337,290	186,710		14
						15
\$20,271	\$544,918	\$0	\$0	\$0		16
\$3,762,859	\$5,269,440	\$5,269,440	\$5,269,440	\$5,269,440		17
						18
\$18,429,374	\$49,082,775	\$49,082,775	\$49,082,775	\$49,082,775		19
						20
\$22,212,504	\$54,897,133					21
<b>\$228</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		22
						23
						24
\$595,977.00	\$1,558,686	\$26,914	\$1,392,320	\$26,440		25
						26
						27
						28
						29
						30
						31
<b>\$595,977.00</b>	1558686	26914	1392320	26440		32
<b>0.057128046</b>	<b>\$0.059365054</b>	<b>0.145181357</b>	<b>0.062331653</b>	<b>0.141611804</b>		33
Gas	Gas	Oil	Gas	Oil		34
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		35
						36
89,238	253,851	325	223,696	319		37
						38
1,050.79	1036.24		1036.24			39
6.68	6.14	1.97	6.22	1.97		40
6.68	6.14	1.97	6.22	1.97		41
6.36	5.93	14.62	6.01	14.58		42
0.07297	0.05937	0.14518	0.06233	0.14161		43
11,480.83	10,018,710.02	9,930,326.10	10,377,411.26	9,711,240.40		44
						45
						46

**STEAM GENERATING STATIONS**

1. Report the information called for concerning generating stations and equipment at end of year.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of

lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1							
2	Potter II	Potter Road	1/1977	Gas/Auto	620	820	220,000
3	Potter II GT	Potter Road	1/1977	Gas/Auto	N/A	N/A	N/A
4	Thomas Watson Unit 1	Potter Road	1/2009	Gas/Auto	N/A	N/A	N/A
5	Thomas Watson Unit 2	Potter Road	2/2009	Gas/Auto	N/A	N/A	N/A
6							
7							
8							
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34							
35							
36							
37							

Note Reference:

\* Indicates reheat boilers thusly, 1050/1000.



**STEAM GENERATING STATIONS -- Continued**

expenses or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name or lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

**Turbine-Generators\***

Year Installed (h)	Type (l)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
				1959	Diesel	620	3,600				
1977	SC	620	3,600	20,700	20,700	Air	Cooled	0.9	13.8	20,700	2
1977	SC	620	3,600	78,000	78,000	0.5#	15.0#	0.9	13.8	78,000	3
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	4
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	5
											6
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											36
<b>TOTALS</b>											37

Note references

- \*Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section
- + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit ( T ), or noncondensing (N.C.). Show back pressures
- \*\* Designate air cooled generators
- ++ If other than 3 phase, 60 cycle, indicate other characteristic:
- \*+ Should agree with column (m)

**HYDROELECTRIC GENERATING STATIONS**

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.  
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.  
 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	*** NONE ***						
12							
13							
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33							

\* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).

HYDROELECTRIC GENERATING STATIONS -- Continued

percent of ownership by respondent, name of co-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels -- Continued			Generators						Total Installed Generating Capacity in Kilowatts (name plate ratings)	Line No.
Design Head	R.P.M.	Maximum hp. Capacity of Unit at Design Head	Year Installed	Voltage	Phase	Frequency or d.c.	Name Plate Rating of Unit in Kilowatts	Number of Units in Station		
(h)	(l)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	
		*** NONE ***								1
										2
										3
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<b>TOTALS</b>										39

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS  
(except nuclear stations)**

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.  
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.  
 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				Belted or Direct Connected (g)
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	
1	Potter II	Potter Road	Diesel	Fairbank-Morse	1977	2	Direct
2							
3							
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39							

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS - Continued**  
(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.  
4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.  
5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers -- Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (l)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station (o)		
3,600	3,600	1977	4,160	3	60	2,665	1	2,665	1
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<b>TOTALS</b>									39



**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	GROVE STREET	PLAIN STREET	115	PIPE CABLE	1.600		1	1000AL
2	SWIFTS BEACH	POTTER STA	115	PIPE CABLE	0.490		1	1250CU
3	POTTER STA	MIDDLE	115	PIPE CABLE	1.810		1	1250CU
4	SWIFTS BEACH	NSTAR	115	STEEL POLE	0.230		1	636ACSR
5	MIDDLE	LAKESIDE	115	PIPE CABLE	1.740		1	1000AL
6	LAKESIDE	PLAIN STREET	115	PIPE CABLE	3.540		1	1000AL
7	GROVE STREET	NSTAR	115	WOOD POLE	0.030		1	636ACSR
8								
9								
10								
11								
12								
13								
14	* Replaced 1000AL with 1250CU from Station 10 -16 in 2009							
15								
16	* Replaced 1000AL with 1250CU from Station 16 -11 in 2010							
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18								
19								
20								
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51	<b>TOTALS</b>				9.44		7	

\* 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	STATION 4 PLAIN STREET	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
2	STATION 10 MIDDLE	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
3	STATION 8 CHURCHILL	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
4											
5											
6	* Installed new 2nd transformer at										
7	Station 8 in 2010										
8											
9											
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25											
26	TOTALS					270,000	6	0			



**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	149.85		149.85
2	Added During Year	0.11		0.11
3	Retired During Year	0.00		0.00
4	Miles -- End of Year	149.96	0.00	149.96
5				
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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:	16,513	16,918	4,001	429,303
17	Additions during year				
18	Purchased		6,752		
19	Installed	100		43	3,810
20	Associated with utility plant acquired				
21	Total Additions	100	6,752	43	3,810
22	Reductions during year:				
23	Retirements	50	6,529	34	2,250
24	Associated with utility plant sold				
25	Total Reductions	50	6,529	34	2,250
26	Number at end of year	16,563	17,141	4,010	430,863
27	In stock		1,100	90	21,000
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		16,041	3,920	409,863
31	In company's use				
32	Number at end of year		17,141	4,010	430,863

\*

<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	UNDERGROUND DISTRIBUTION SYSTEM	44.9	96.65	13.8kv		
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3						
4						
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33						
34						
49	TOTALS	44.90	0.00	96.65	0	0

\*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	Braintree	4,316	212	0	0	0	125	0	3979	0
2										
3										
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51										
52	TOTALS	4316	212	0	0	0	125	0	3979	0

**RATE SCHEDULE INFORMATION**

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

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		*****NO CHANGES*****		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....  
*William G. Bottiggi*  
 William G. Bottiggi  
 )  
 .....  
*James P. Regan*  
 James P. Regan, Chairman  
 )  
 .....  
*Anthony L. Agnitti*  
 Anthony L. Agnitti, Vice - Chairman  
 )  
 .....  
*Thomas J. Reynolds*  
 Thomas J. Reynolds, Secretary  
 )  
 .....  
 )  
 )

Mayor

Manager of Electric Light

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

..... SS ..... 20 .....

Then personally appeared .....

And severally made oath to the truth of the foregoing statement by them  
subscribed according to their best knowledge and belief.

Notary Public or  
Justice of the Peace

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