

**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,**

**2017**

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

Official title: General Manager

Form AC-19

William Bottiggi  
Office address: 150 Potter Road  
Braintree, MA 02184

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

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

Management is responsible for the accompanying financial statements of Braintree Electric Light Department which comprise the balance sheet as of December 31, 2017, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the financial statements included in the accompanying prescribed form.

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

Goulet, Salvidio & Associates P.C.

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

Worcester, Massachusetts  
March 30, 2018

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

Tel: 508.757.5957 • Fax: 1.508.422.0883 • Email: [admin@gsamycpa.com](mailto:admin@gsamycpa.com) • Web: [www.gsamycpa.com](http://www.gsamycpa.com)

## TABLE OF CONTENTS

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

FOR GAS PLANTS ONLY:	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House	
Record of Sendout for the Year in MCF	72-73	Governors and Meters	78

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

1. Name of town (or city) making report.	Braintree	
2. If the town (or city) has acquired a plant, Kind of plant, whether gas or electric. Owner from whom purchased, if so acquired. Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws. Record of votes: First vote: Yes, 119; No, 3 Second vote: Yes, 146; No, 5 Date when town (or city) began to sell gas and electricity,	Electric July 1893	
3. Name and address of manager of municipal lighting:	William Bottiggi 150 Potter Road Braintree, MA 02184	
4. Name and address of mayor or selectmen:	Joseph C. Sullivan 1 JFK Memorial Drive Braintree, MA 02184	
5. Name and address of town (or city) treasurer:	Edward Spellman 1 JFK Memorial Drive Braintree, MA 02184	
6. Name and address of town (or city) clerk:	James Casey 1 JFK Memorial Drive Braintree, MA 02184	
7. Names and addresses of members of municipal light board:	Anthony Agnitti James Regan Thomas J. Reynolds	Braintree, MA Braintree, MA Braintree, MA
8. Total valuation of estates in town (or city) according to last State valuation (taxable)	\$6,647,680,921	
9. Tax rate for all purposes during the year:	Residential Commercial/Industrial/Personal Property	\$10.54 \$23.37
10. Amount of manager's salary:	\$201,000	
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.**

ESTIMATES OF EXPENSES 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		63,000,000
3		
4		
<b>EXPENSES</b>		
6 For operation, maintenance and repairs		49,000,000
7 For interest on bonds, notes or scrip		3,400,000
8 For depreciation fund ( 3 %	251,930,799	as per page 8B)
9 For sinking fund requirements		7,557,924
10 For note payments		
11 For bond payments		
12 For loss in preceding year		
13		
14		
<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		1,700,000
19 Of electricity to be used for street lights		500,000
20 Total of above items to be included in the tax levy		2,200,000
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	16,424
<b>TOTAL</b>	<b>0</b>	<b>TOTAL</b>	<b>16,424</b>

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

(Include also all items charge direct to tax levy, even where no appropriation is made or required.)

**FOR CONSTRUCTION OR PURCHASE OF PLANT**

*At	meeting	, to be paid from **
*At	meeting	, to be paid from **
		TOTAL _____ 0

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

1. Street lights	500,000
2. Municipal buildings	1,700,000
3.	
	TOTAL _____ 2,200,000

\* Date of meeting and whether regular or special

\*\* Here insert bonds, notes or tax levy

**CHANGES IN THE PROPERTY**

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

**In electric property:**

In gas property: Not applicable

**Bonds**  
(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
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 4,050,000 4,260,000 4,415,000 4,630,000 4,855,000 5,085,000 5,335,000 5,600,000 5,875,000 5,965,000 6,180,000 6,515,000 6,785,000 7,120,000 7,475,000 7,845,000 7,545,000 3,320,000	15-May-10 15-May-11 15-May-12 15-May-13 15-May-14 15-May-15 15-May-16 15-May-17 15-May-18 15-May-19 15-May-20 15-May-21 15-May-22 15-May-23 15-May-24 15-May-25 15-May-26 15-May-27 15-May-28	4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80% 4.80%	5/15/2010 5/15/2011 5/15/2012 5/15/2013 5/15/2014 5/15/2015 5/15/2016 5/15/2017 5/15/2018 5/15/2019 5/15/2020 5/15/2021 5/15/2022 5/15/2023 5/15/2024 5/15/2025 5/15/2026 5/15/2027 5/15/2028	70,225,000
	TOTAL	137,166,500	106,790,000			TOTAL	70,225,000

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

<b>TOTAL COST OF PLANT - ELECTRIC</b>							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c) or (d) as appropriate.				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights	631,438					631,438
8	311 Structures and Improvements	11,131,721	20,372				11,152,093
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	3,208,939					3,208,939
13	316 Miscellaneous Power Plant Equipment	1,051,258					1,051,258
15	Total Steam Production Plant	32,265,068	20,372	0	0	0	32,285,440
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	12,528,907	909,406				13,438,313
13	342 Fuel Holders, Producers and Accessories	10,008,596	2,510				10,011,106
14	343 Prime Movers	26,797,504	1,370,480	(352,050)			27,815,934
15	344 Generators	45,370,071	289,548				45,659,619
16	345 Accessory Electric Equipment	14,015,437					14,015,437
17	346 Miscellaneous Power Plant Equipment	2,281,845					2,281,845
18	Total Other Production Plant	111,002,360	2,571,944	(352,050)	-	0	113,222,254
19	Total Production Plant	143,267,428	2,592,316	(352,050)	-	0	145,507,694
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	3,090,176	70,655				3,160,831
24	353 Station Equipment	16,794,907	48,445				16,843,352
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	3,011,359					3,011,359
29	358 Underground Conductors and Devices	3,321,595	1,600				3,323,195
30	359 Roads and Trails	12,524					12,524
31	Total Transmission Plant	30,075,470	120,700	0	0	0	30,196,170

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	2,242,644	0				2,242,644
4	362 Station Equipment	5,973,767	(3,000)				5,970,767
5	363 Storage Battery Equipment	-	55,807				55,807
6	364 Poles Towers and Fixtures	5,437,305	589,666	(15,954)			6,011,017
7	365 Overhead Conductors and Devices	3,953,445	10,441	(19,597)			3,944,289
8	366 Underground Conduit	8,861,533					8,861,533
9	367 Underground Conductors and Devices	10,903,641	152,520	(15,238)			11,040,923
10	368 Line Transformers	7,863,744	258,374	(80,229)			8,041,889
11	369 Services	539,221					539,221
12	370 Meters	5,098,763	128,053	(338)			5,226,478
13	371 Installations on Customer's Premises	495,681		(2,640)			493,041
14	372 Leased Prop on Customer's Premises	-					
15	373 Streetlight and Signal Systems	1,197,654	238,494	(19,952)			1,416,196
16	Total Distribution Plant	52,602,398	1,430,355	(153,948)	0	0	53,878,805
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements						
20	391 Office Furniture and Equipment	6,261,997	392,843				6,654,840
21	392 Transportation Equipment	2,402,228	384,404	(207,416)			2,579,216
22	393 Stores Equipment	28,408					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	13,602					13,602
26	397 Communication Equipment	12,621,034	1,002,358				13,623,392
27	398 Miscellaneous Equipment	260,303					260,303
28	399 Other Tangible Property	0					
29	Total General Plant	21,700,740	1,779,605	(207,416)	0	0	23,272,929
30	Total Electric Plant in Service	247,646,036	5,922,976	(713,414)	0	0	252,855,598
31					Total Cost of Electric Plant.....		252,855,598
33					Less Cost of Land, Land Rights, Rights of Way.....		924,799
34					Total Cost upon which Depreciation is based .....		251,930,799

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

PAGE 9 IS A BLANK PAGE

**COMPARATIVE BALANCE SHEET Assets and Other Debits**

Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>UTILITY PLANT</b>			
2	101	Utility Plant - Electric (P. 17)	138,499,825	137,041,519	(1,458,306)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	138,499,825	137,041,519	(1,458,306)
6					
7					
8					
9					
10		<b>FUND ACCOUNTS</b>			
11	123	Investment in Affiliated Company	784,494	640,494	(144,000)
12	125	Construction Fund	0	0	0
13	126	Depreciation Fund (P. 14)	4,483,844	3,802,135	(681,709)
14	128	Other Special Funds	8,434,780	8,924,230	489,450
15		Total Funds	13,703,118	13,366,859	(336,259)
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	6,611,416	7,635,902	1,024,486
18	132	Special Deposits	793,956	899,790	105,834
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	2,531,977	2,577,692	45,715
22	143	Other Accounts Receivable	1,178,128	2,716,706	1,538,578
23	146	Receivables from Municipality	110,270	131,770	21,500
24	151	Materials and Supplies (P. 14)	5,547,797	4,366,285	(1,181,512)
25					
26	165	Prepayments	277,853	206,445	(71,408)
27	174	Miscellaneous Current Assets	5,598,673	5,846,261	247,588
28		Total Current and Accrued Assets	22,652,570	24,383,351	1,730,781
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	15,741,998	14,334,866	(1,407,132)
33		Total Deferred Debits	15,741,998	14,334,866	(1,407,132)
34					
35		Total Assets and Other Debits	190,597,511	189,126,595	(1,470,916)

<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	201	<b>APPROPRIATIONS</b>			
2	201	Appropriations for Construction			0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	58,696,500	64,031,500	5,335,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	317,732	(2,074,025)	(2,391,757)
8		Total Surplus	59,060,401	62,003,644	2,943,243
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	75,560,000	70,225,000	(5,335,000)
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	75,560,000	70,225,000	(5,335,000)
15		<b>CURRENT AND ACCRUED LIABILITIES</b>			
16	232	Accounts Payable	3,787,071	4,211,768	424,697
17	234	Payables to Municipality	0	0	0
18	235	Customers' Deposits	2,073,940	2,865,442	791,502
19	236	Taxes Accrued	0	0	0
20	237	Interest Accrued	456,032	422,823	(33,209)
21	242	Miscellaneous Current and Accrued Liabilities	267,541	263,756	(3,785)
22		Total Current and Accrued Liabilities	6,584,584	7,763,789	1,179,205
23		<b>DEFERRED CREDITS</b>			
24	251	Unamortized Premium on Debt	14,308,820	12,799,458	(1,509,362)
25	252	Customer Advances for Construction	0	0	0
26	253	Other Deferred Credits	2,179,097	2,637,031	457,934
27		Total Deferred Credits	16,487,917	15,436,489	(1,051,428)
28		<b>RESERVES</b>			
29	260	Reserves for Uncollectible Accounts	152,871	130,515	(22,356)
30	261	Property Insurance Reserve	0	0	0
31	262	Injuries and Damages Reserves	0	0	0
32	263	Pensions and Benefits Reserves	25,097,675	24,641,072	(456,603)
33	265	Miscellaneous Operating Reserves	6,683,951	7,880,196	1,196,245
34		Total Reserves	31,934,497	32,651,783	717,286
35		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
37	271	Contributions in Aid of Construction	970,112	1,045,890	75,778
38		Total Liabilities and Other Credits	190,597,511	189,126,595	(1,470,916)

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)	62,445,553	(1,493,059)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	42,923,222	(275,194)
5	402 Maintenance Expense	5,860,930	682,013
6	403 Depreciation Expense	7,398,406	176,444
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)	56,182,558	583,263
10	Total Operating Expenses	6,262,995	(2,076,322)
11	Operating Income		
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	6,262,995	(2,076,322)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	518,311	5,024
17	419 Interest Income	58,323	23,733
18	421 Miscellaneous Nonoperating Income (P. 21)	192,307	
19	Total Other Income	768,941	28,757
20	Total Income	7,031,936	(2,047,565)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	(29,942)	(2,186)
23	426 Other Income Deductions	(294,538)	(157,317)
24	Total Income Deductions	(324,480)	(159,503)
25	Income Before Interest Charges	7,356,416	(1,695,755)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	3,481,988	(258,801)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit	(798,623)	48,577
30	431 Other Interest Expense	4,358	2,659
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	2,687,723	(207,565)
33	<b>NET INCOME</b>	4,668,693	(1,488,190)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		317,732
35			
36			
37	433 Balance Transferred from Income		4,668,693
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	5,335,000	
40	436 Appropriations of Surplus (P. 21)	1,725,450	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	(2,074,025)	
43			
44	<b>TOTALS</b>	4,986,425	4,986,425

**CASH BALANCES AT END OF YEAR****Page 14**

Line No.	Items (a)	Amount (b)
1	Operation Fund	7,635,902
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
	<b>TOTAL</b>	<b>7,635,902</b>

**MATERIALS AND SUPPLIES (Accounts 151-159, 163)****Summary per Balance Sheet**

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151 ) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))		4,366,285
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	4,366,285	0

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of account at beginning of year	4,483,844
26	Income during year from balance on deposit (interest)	41,934
27	Amount transferred from income (depreciation)	3,887,615
28		
29		
		<b>TOTAL</b>
30	<b>CREDITS</b>	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	4,611,258
32	Amounts expended for renewals,viz:-	
33	Power Contract Settlement	
34		
35		
36		
37		
38		
39	Balance on hand at end of year	3,802,135
40		
		<b>TOTAL</b>
		8,413,393

UTILITY PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c).				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						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	1,551,405	20,372	690,617			881,160
9	312 Boiler Plant Equipment	12,456	0				12,456
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units	0	0	0			0
12	315 Accessory Electric Equipment	367,083	0	96,268			270,815
13	316 Miscellaneous Power Plant Equipment	332,108	0	31,538			300,570
15	Total Steam Production Plant	2,894,490	20,372	818,423	0	0	2,096,439
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0	0	0	0	0	0

UTILITY PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	9,735,663	909,406	375,867			10,269,202
13	342 Fuel Holders, Producers and Accessories	7,242,568	2,510	300,258			6,944,820
14	343 Prime Movers	20,226,341	1,370,480	903,925			20,692,896
15	344 Generators	33,427,820	289,548	1,410,275		0	32,307,093
16	345 Accessory Electric Equipment	10,606,891	0	420,463			10,186,428
17	346 Miscellaneous Power Plant Equipment	1,739,394	0	68,455			1,670,939
18	Total Other Production Plant	82,978,677	2,571,944	3,479,243	0	0	82,071,378
19	Total Production Plant	85,873,167	2,592,316	4,297,666	0	0	84,167,817
20	3. Transmission Plant						
21	350 Land and Land Rights	239,183	0	7,751			231,432
22	351 Clearing Land and Rights of Way	0	0	0			0
23	352 Structures and Improvements	1,131,125	70,655	92,705			1,109,075
24	353 Station Equipment	9,921,605	48,445	503,847			9,466,203
25	354 Towers and Fixtures	236,055	0	16,379			219,676
26	355 Poles and Fixtures	0	0	0			0
27	356 Overhead Conductors and Devices	1,925,872	0	81,598			1,844,274
28	357 Underground Conduit	405,796	0	90,341			315,455
29	358 Underground Conductors and Devices	1,098,629	1,600	99,648			1,000,581
30	359 Roads and Trails	0	0	0			0
31	Total Transmission Plant	14,958,265	120,700	892,269	0	0	14,186,696

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	0	0	0			0
3	361 Structures and Improvements	1,442,148	0	67,279			1,374,869
4	362 Station Equipment	3,342,784	(3,000)	179,213			3,160,571
5	363 Storage Battery Equipment	0	55,807	0			55,807
6	364 Poles Towers and Fixtures	3,280,109	589,666	163,119			3,706,656
7	365 Overhead Conductors and Devices	120,680	10,441	118,603			12,518
8	366 Underground Conduit	1,833,913	0	265,846			1,568,067
9	367 Underground Conductors and Devices	5,774,768	152,520	327,109			5,600,179
10	368 Line Transformers	3,656,998	258,374	235,912			3,679,460
11	369 Services	0	0	0			0
12	370 Meters	3,725,339	128,053	152,963			3,700,429
13	371 Installations on Customer's Premises	96,023	0	14,870			81,153
14	372 Leased Prop on Customer's Premises	0	0	0			0
15	373 Streetlight and Signal Systems	1,254,334	238,494	35,930			1,456,898
16	Total Distribution Plant	24,527,096	1,430,355	1,560,844	0	0	24,396,607
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0			0
19	390 Structures and Improvements	0	0	0			0
20	391 Office Furniture and Equipment	3,049,162	392,843	187,860			3,254,145
21	392 Transportation Equipment	2,135,392	384,404	72,067			2,447,729
22	393 Stores Equipment	17,526	0	852			16,674
23	394 Tools, Shop and Garage Equipment	0	0	0			0
24	395 Laboratory Equipment	0	0	0			0
25	396 Power Operated Equipment	6,292	0	408			5,884
26	397 Communication Equipment	7,813,107	1,002,358	378,631			8,436,834
27	398 Miscellaneous Equipment	119,818	0	7,809			112,009
28	399 Other Tangible Property	0	0	0			0
29	Total General Plant	13,141,297	1,779,605	647,627	0	0	14,273,275
30	Total Electric Plant in Service	138,499,825	5,922,976	7,398,406	0	0	137,024,395
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	0	17,124	0			17,124
34	Total Utility Plant Electric	138,499,825	5,940,100	7,398,406	0	0	137,041,519

## 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				
			Kinds of Fuel and Oil - continued			
Line No.	Item (g)		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF					
26	BALANCE END OF YEAR					

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

Next page is 21

**MISCELLANEOUS NONOPERATING INCOME (Account 421)****Page 21**

Line No.	Item (a)	Amount (b)
1	Mutual Aid	192,307
2		
3		
4		
5		
6		
	<b>TOTAL</b>	<b>192,307</b>

**OTHER INCOME DEDUCTIONS (Account 426)**

Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	<b>TOTAL</b>	<b>0</b>

**MISCELLANEOUS CREDITS TO SURPLUS (Account 434)**

Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23		
	<b>TOTAL</b>	<b>0</b>

**MISCELLANEOUS DEBITS TO SURPLUS (Account 435)**

Line No.	Item (a)	Amount (b)
24	Premium Bond Payments	5,335,000
25		
26		
27		
28		
29		
30		
31		
32		
	<b>TOTAL</b>	<b>5,335,000</b>

**APPROPRIATIONS OF SURPLUS (Account 436)**

Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payments to Town	1,725,450
34		
35		
36		
37		
38		
39		
40		
	<b>TOTAL</b>	<b>1,725,450</b>

**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)	11,109,876	1,621,979	0.1460
6					
7					
8					
9	444-1	Street Lighting	11,109,876	1,621,979	0.1460
10					
11					
12			1,501,307	407,600	0.2715
13					
		<b>TOTALS</b>	1,501,307	407,600	0.2715
		<b>TOTALS</b>	12,611,183	2,029,579	0.1609

**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	14,547,437	343,155	0.0236
21	MMWEC Seabrook	Substation	61,279,015	2,401,153	0.0392
22	Energy New England	Braintree, MA	233,064,664	13,526,591	0.0580
23	ISO New England Interchange	115 KV	21,489,472	7,922,439	0.3687
24	Northeast Utilities		-	617	0.0000
25	Ameresco	Landfill Solar Array	1,372,944	151,126	0.0000
26	Ameresco	Braintree High School Solar Array	747,210	67,470	0.0903
27	Other Power			14,874	
28	Rate Stabilization			1,056,035	
29	National Grid			128,777	
30	Renewable Energy Credits			(267,848)	
31	PTF Credits			(2,815,640)	
32	Fwd Reserve Credits			(486,576)	
33					
34					
35					
		<b>TOTALS</b>	332,500,742	22,042,173	0.0663

**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	111,534	130,949	1.1741
33	North Attleboro Electric Dept. (Potter)	Substation	252,686	296,672	1.1741
34	Hingham Municipal Light (Watson)	Braintree, MA	4,012,586	1,687,234	0.4205
35	Concord Municipal (Watson)	115KV	3,511,013	1,476,330	0.4205
36	Taunton Municipal Light (Watson)		4,012,586	1,687,234	0.4205
37	Wellesley Municipal Light (Watson)		4,012,586	1,687,234	0.4205
38	Reading Municipal Light (Watson)		4,012,586	1,687,234	0.4205
39	Chicopee Electric Light (Watson)		4,012,586	1,687,234	0.4205
40	New Hampshire Electric Coop (Watson)		4,514,159	1,885,713	0.4177
41					
		<b>TOTALS</b>	28,452,322	12,225,834	0.4297

- 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.
- If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
- Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate

**ELECTRIC OPERATING REVENUES (Account 400)**

meter readings are added for billing purposes, one customer :4. Unmetered sales should be included below. The details of such be counted for each group of meters so added. The average sales should be given in a footnote. of customers means the average of the 12 figures at the close of month. If the customer count in the residential service classif Large (or Industrial) may be according to the basis of classification includes customers counted more than once because of services, such as water heating, etc., indicate in a footnote the greater than 1000 KW. See Account 442 of the Uniform System of such duplicate customers included in the classification. of Accounts. Explain basis of Classification

Line No.	Account (a)	<i>Operating Revenues</i>		<i>Kilowatt-hours Sold</i>		<i>Average Number of Customers per Month</i>	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	16,048,162	(524,402)	113,653,154	(3,151,649)	13,701	0
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	28,646,026	(719,009)	188,865,292	(5,431,405)	2,372	0
5	Large Commercial C Sales	2,559,805	95,242	19,115,350	690,156	6	0
6	444 Municipal Sales	1,621,979	41,323	11,109,876	70,640	121	0
7	445 Street Lighting	407,600	15,100	1,501,307	(858,212)		
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales	114,954	9,186	914,767	(38,731)	211	2
11	<b>Total Sales to Ultimate Consumers</b>	49,398,526	(1,082,560)	335,159,746	(8,719,201)	16,411	2
12	447 Sales for Resale	12,225,834	(512,424)	28,452,322	(8,176,642)	9	0
13	<b>Total Sales of Electricity*</b>	61,624,360	(1,594,984)	363,612,068	(16,895,843)	16,420	2
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts		0				
16	451 Miscellaneous Service Revenues		0				
17	453 Sales of Water and Water Power		0				
18	454 Rent from Electric Property	598,728	37,951				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	137,302	(4,678)				
21							
22	ISP Revenues						
23	Miscellaneous Adjustments to Sales	85,163	68,652				
24							
25	<b>Total Other Operating Revenues</b>	821,193	101,925				
26	<b>Total Electric Operating Revenue</b>	62,445,553	(1,493,059)				

\* Includes revenues from application of fuel clauses \$ **\$0.00**

Total KWH to which applied **332,743,672**

**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	A1 Residential	107,894,282	15,260,680	0.1414	13,202	13,357
2		A1C Controlled Water Heating	5,758,872	786,739	0.1366	561	539
		AS Distributed Generation	5,353	743	0.1388	0	6
3		DG1 Distributed Generation	37,548	(792)	(0.0211)	10	10
4		DG2 Distributed Generation	745,883	45,544	0.0611	4	4
5	442	G1 Small General Service	66,201,324	10,736,946	0.1622	2,200	2,193
6		G2 Large General Service	102,202,223	15,035,463	0.1471	162	163
7		H1 Commercial Heating and Cooling	19,678,314	2,828,865	0.1438	23	23
8		P1 Industrial	19,115,350	2,559,805	0.1339	6	6
9	444	MG1 Municipal	2,255,117	364,978	0.1618	105	107
10		MG2 Municipal	7,274,039	1,036,416	0.1425	13	13
11		MH1 Municipal	1,580,720	220,585	0.1395	3	3
12		Street Lighting	1,501,307	407,600	0.2715	1	1
13		L1 Area Lighting	914,767	114,954	0.1257	209	210
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			335,165,099	49,398,526	0.1474	16,499	16,635

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Page 39

1. Enter in the space proved the operation and maintenance expenses for the year  
 2. If the increases and decreases are not derived from previously reported figures, explain in footnote

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	272,708	2,268
5	501 Fuel	407,239	(161,175)
6	502 Steam Expenses	696,996	27,777
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	1,376,943	(131,130)
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	487,582	(31,711)
16	512 Maintenance of boiler plant	971,319	426,235
17	513 Maintenance of electric plant	557,936	80,759
18	514 Maintenance of miscellaneous steam plant	149,739	4,787
19	Total Maintenance	2,166,576	480,070
20	Total power production expenses -steam power	3,543,519	348,940
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	225,923	2,544
13	547 Fuel	3,168,999	1,143,507
14	548 Generation Expenses	1,135,742	(115,956)
15	549 Miscellaneous other power generation expense	362,691	(4,414)
16	550 Rents	0	0
17	Total Operation	4,893,355	1,025,681
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	689,808	109,992
21	553 Maintenance of generating and electric plant	1,031,166	(220,197)
22	554 Maintenance of miscellaneous other power generation plant	56,066	(5,810)
23	Total Maintenance	1,777,040	(116,015)
24	Total power production expenses - other power	6,670,395	909,666
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	22,042,173	(895,414)
27	556 System control and load dispatching	0	0
28	557 Other expenses	254,039	(7,097)
29	Total other power supply expenses	22,296,212	(902,511)
30	Total power production expenses	32,510,126	356,095
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	0	0
41	Total Operation	0	0
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	178,930	74,819
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	38,379	(31,304)
48	573 Maintenance of miscellaneous transmission plant	42,315	2,749
49	Total maintenance	259,624	46,264
50	Total transmission expenses	259,624	46,264

<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	210,475	10,672
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	0	0
6	583 Overhead line expenses	41,958	16,628
7	584 Underground line expenses	0	0
8	585 Street lighting and signal system expenses	132,546	(6,321)
9	586 Meter expenses	7,276	(5,283)
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	269,775	12,463
12	589 Rents	0	0
13	Total operation	662,030	28,159
14	Maintenance:		
15	590 Maintenance supervision and engineering	99,214	7,341
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	219,454	87,301
18	593 Maintenance of overhead lines	1,652,763	108,261
19	594 Maintenance of underground lines	980,452	125,594
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	134,505	8,526
22	597 Maintenance of meters	308,295	20,085
23	598 Maintenance of miscellaneous distribution plant	110,215	(12,161)
24	Total maintenance	3,504,898	344,947
25	Total distribution expenses	4,166,928	373,106
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	0	0
30	903 Customer records and collection expenses	852,835	(19,640)
31	904 Uncollectible accounts	62,500	(19,846)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	915,335	(39,486)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	634,200	4,328
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	634,200	4,328
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	1,568,809	18,209
44	921 Office supplies and expenses	26,174	(8,942)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	302,452	59,124
47	924 Property insurance	609,201	(603)
48	925 Injuries and damages	200	(1,415)
49	926 Employee pensions and benefits	6,795,380	(356,093)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	632,908	136,138
53	931 Rents	0	0
54	Total operation	9,935,124	(153,582)

<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	189,456	(143,004)
4	933 Transportation expense	173,359	(36,902)
5	Total administrative and general expenses	10,297,939	(333,488)
6	Total Electric Operation and Maintenance Expenses	48,784,152	406,819
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)
7	<b>Power Production Expenses</b>		
8	Electric Generation:		
9	Steam Power:	1,376,943	2,166,576
10	Nuclear Power		3,543,519
11	Hydraulic Power		
12	Other Power	6,670,395	6,670,395
13	Other Power Supply Expenses	22,296,212	22,296,212
14	Total power production expenses	30,343,550	2,166,576
15	Transmission Expenses	259,624	259,624
16	Distribution Expenses	662,030	3,504,898
17	Customer Accounts Expenses	915,335	915,335
18	Sales Expenses	634,200	634,200
19	Administrative and General Expenses	10,108,483	189,456
20	Total Electric Operation and		10,297,939
21	Maintenance Expenses	42,923,222	5,860,930
			48,784,152
22	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%))		89.97%
	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)		
23	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.		\$9,308,991
24	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)		85



**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					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)					
Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing, and contract work during the year.					
Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work				518,311
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	518,311
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major classes of cost)				
15					
16	Jobbing/Contract Costs				
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	0	0	0	518,311

### 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 and "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.

## 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)	Line No. (p)
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
**NONE**								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

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

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

Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.

3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

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

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 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)		
** NONE**								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	<b>TOTALS:</b>	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	SOURCES OF ENERGY		
2	Generation		
3	Steam	Gas Turbine Combined Cycle	44,977,470
4	Nuclear		
5	Hydro		0
6	Other	Diesel, Fuel Cell	
7	Total Generation		44,977,470
8	Purchases		311,061,186
9		( In (gross)	21,489,472
10	Interchanges	< Out (gross)	0
11		( Net (Kwh)	21,489,472
12		( Received	
13	Transmission for/by others (wheeling)	< Delivered	
14		( Net (Kwh)	
15	<b>TOTAL</b>		<b>377,528,128</b>
16	DISPOSITION OF ENERGY		
17	Sales to ultimate consumers (including interdepartmental sales)		335,165,099
18	Sales for resale		28,452,322
19	Energy furnished without charge (station use)		4,772,408
20	Energy used by the company (excluding station use):		
21	Electric department only		1,480,262
22	Energy losses		
23	Transmission and conversion losses		
24	Distribution losses		
25	Unaccounted for losses	2.03%	7,658,037
26	Total energy losses		7,658,037
27	Energy losses as percent of total on line 15		
28		<b>TOTAL</b>	<b>377,528,128</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	61,680	Mon	9	6:00pm	60 min	31,896,980
30	February	57,490	Mon	13	7:00pm	"	28,401,310
31	March	54,630	Sat	11	7:00pm	"	32,103,717
32	April	48,610	Thur	6	1:00pm	"	28,028,355
33	May	67,410	Thur	18	4:00pm	"	29,281,545
34	June	78,700	Tue	13	4:00pm	"	32,037,233
35	July	77,390	Wed	19	3:00pm	"	34,200,320
36	August	71,960	Tue	22	4:00pm	"	34,184,380
37	September	67,150	Wed	27	4:00pm	"	31,721,702
38	October	54,020	Tue	10	2:00pm	"	28,346,300
39	November	51,900	Tue	28	6:00pm	"	28,893,365
40	December	66,010	Thur	28	6:00pm	"	38,432,921
41						<b>TOTAL</b>	<b>377,528,128</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 501 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine	POTTER I	DIESEL	POTTER II
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Steam	I.C.	Gas Turbine C.C.
3		Conventional	Conventional	Oil Production
4	Year originally constructed	1959	1977	Conventional
5	Year last unit was installed	1959	1977	1977
6	Total installed capacity (maximum generator name plate ratings in kw)	12,500	2,500	97,500
7	Net peak demand on plant-kilowatts (60 min.)	12,500	2,500	79,500
9	Plant hours connected to load		0	0
10	Net continuous plant capability, kilowatts:			
11	(a) When not limited by condenser water	12,500	2,500	97,500
12	(b) When limited by condenser water	12,500	2,500	79,500
13	Average number of employees	0	0	14
14	Net generation, exclusive of station use	0	0	0
15	Cost of plant (omit cents):			
16	Land and land rights	\$544,918		\$20,271
17	Structures and improvements	\$1,207,012	\$97,709	\$3,762,859
18	Reservoirs, dams, and waterways			
19	Equipment costs	\$1,369,263	\$657,373	\$18,429,374
20	Roads, railroads, and bridges			
21	<b>Total cost</b>	<b>\$3,121,193</b>	<b>\$755,082</b>	<b>\$22,212,504</b>
22	<b>Cost per kw of installed capacity</b>	<b>\$250</b>	<b>\$302</b>	<b>\$228</b>
23	Production expenses:			
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		\$0.00	\$0
27	Supplies and expenses, including water			
28	Maintenance	\$0.00	\$0	\$0
29	Rents			
30	Steam from other sources			
31	Steam transferred -- Credit			
32	<b>Total production expenses</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0</b>
33	<b>Expenses per net Kwh (5 places)</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
34	Fuel: Kind			
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)	Station was	Oil bbls.	Oil bbls.
36		Demolished and		
37	Quantity (units) of fuel consumed	Removed in 2007	0	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			0.00	0.00
40	Average cost of fuel per unit, del. f.o.b. plant		0.00	0.00
41	Average cost of fuel per unit consumed		0.00	0.00
42	Average cost of fuel consumed per million B.t.u.		0.00	0.00
43	Average cost of fuel consumed per kwh net gen.		0.00000	0.00000
44	Average B.t.u. per kwh net generation		Diesel unit did not run in 2017	Potter 2 did not run on oil in 2017
45				
46				

## GENERATING STATION STATISTICS (Large Stations) -- Continued

(Except Nuclear, See Instruction 10)

547 as shown on Line 24

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."

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

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

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.

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
88	349.99	99.42	364.83	120.83		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
4,851,610	14,980,430	3,958,170	16,042,710	5,144,550		14
						15
\$20,271	\$0	\$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	\$54,352,215	\$54,352,215	\$54,352,215	\$54,352,215		21
<b>\$228</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		22
						23
						24
\$234,429	\$612,148	\$861,646	\$629,990	\$1,065,216		25
						26
						27
						28
						29
						30
						31
<b>\$234,429.00</b>	<b>\$612,148.00</b>	<b>\$861,646.00</b>	<b>\$629,990.00</b>	<b>\$1,065,216.00</b>		32
<b>0.04832</b>	<b>0.04086</b>	<b>0.21769</b>	<b>0.03927</b>	<b>0.20706</b>		33
Gas	Gas	Oil	Gas	Oil		34
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		35
56,038	140,553	7,170	152,316	8,885		36
1,036.24	1036.24		1036.24			37
4.18	4.36	120.17	4.14	119.89		38
4.18	4.36	120.17	4.14	119.89		39
0.04832	0.04086	0.21769	0.03927	0.20706		40
						41
						42
						43
						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)
2	Potter II ST	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							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							

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. (r)
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
1977	Diesel	620	3,600	2,665	2,665	Air	Cooled	0.9	13.8	2,665	1
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
											7
											8
											9
											10
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
											31
											32
											33
											34
											35
											36
											37
				TOTALS							

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), and noncondensing (N.C.). Show back pressures.

\*\* Designate air cooled generators.

++ If other than 3 phase, 60 cycle, indicate other characteristics.

\*+ 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				Gross Static Head with Pond Full (g)
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11	*** NONE ***							
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
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.

**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				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	Potter II	Potter Road	Diesel	Fairbank-Morse	1977	2	Direct
2							
3							
4							
5							
6	Note: Diesel was retired from ISO Market System as of May 1, 2014						
7	Used in emergency situations only						
8							
9	Diesel unit was electrically disconnected in December 2017 and will be						
10	scrapped in 2018						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							

**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.

## GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW\* and other stations of less than 500 KW\* 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. Designate any plant leased from others, operated under a license from the Federal Power Commission.

or operated as a joint facility, and give a concise statement of the facts in a footnote.

3. List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.

4. Specify if total plant capacity is reported in kva instead of kilowatts.

5. If peak demand for 60 minutes is not available, give that which is available, specifying period.
6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

**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	EVERSOURCE	GROVE STREET	115	WOOD POLE	0.060		1	636ACSR
2	GROVE STREET	PLAIN STREET	115	PIPE CABLE	1.480		1	1000AL
3	PLAIN STREET	STATION 8	115	PIPE CABLE	3.650		1	1000AL
4	STATION 8	STATION 10	115	PIPE CABLE	1.810		1	1000AL
5	STATION 10	POTTER STA	115	PIPE CABLE	1.810		1	1250CU
6	POTTER STA	SWIFTS BEACH	115	PIPE CABLE	0.490		1	1250CU
7	SWIFTS BEACH	EVERSOURCE	115	STEEL POLE	0.230		1	636ACSR
8	WATSON STA	POTTER STA	115	STEEL POLE	0.045		1	636ACSR
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							
17								
18	*Revised miles in 2017 to match the NX-9 data at ISO New England							
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51				TOTALS	9.52		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.

## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year	104.94		104.94
2	Added During Year	0.00		0.00
3	Retired During Year	0.00		0.00
4	Miles - End of Year	104.94		104.94
5				
6				
7				
8				
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:	12,476	17,064	2,345	301,339
17	Additions during year		0		
18	Purchased	20	185	63	12,225
19	Installed				
20	Associated with utility plant acquired				
21	Total Additions	20	185	63	12,225
22	Reductions during year:				
23	Retirements	5	15	54	7,895
24	Associated with utility plant sold				
25	Total Reductions	5	15	54	7,895
26	Number at end of year	12,491	17,234	2,354	305,669
27	In stock		60	130	26,350
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		17,174	2,224	279,319
31	In company's use				
32	Number at end of year		17,234	2,354	305,669

\*

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)						
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.						
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	UNDERGROUND DISTRIBUTION SYSTEM	46.92	64.00	13.8kv		
2						
3						
4						
5						
6						
7						
8	Note: UG cable miles revised in 2017 to reflect GPS number					
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
49	TOTALS	46.92	0.00	64.00	0	0

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		LED Lights		PWED's		High Press. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	LED (g)	METAL HALIDE (h)	Municipal (i)	Other (j)
1	Braintree	4,090	56		3,815		23	196	0	0
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	4090	56	0	3815	0	23	196	0	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 Rate Changes During 2017		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

*L. G. Bottigi*  
William G. Bottigi  
*H. J. Reynolds*  
Thomas J. Reynolds, Chairman  
*A. L. Agnitti*  
Anthony L. Agnitti, Vice - Chairman  
*J. P. Regan*  
James P. Regan, Secretary

Mayor

Manager of Electric Light Dept.

Anthony J. Agnitti, Vice Chairman

Anthony L. Agnelli, Vice - Chair

Anthony L. Agnitti, Vice - Chairman

James P. Regan, Secretary

James P. Regan, Secretary

James P. Regan, Secretary

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

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

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

Then personally appeared

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

..... Notary Public or  
..... Justice of the Peace

## INDEX

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

FOR GAS PLANTS ONLY:	Page	Page	
Boilers	75	Purifieers	76
Gas Distribution Services, House		Record of Sendout for the Year in MCI	72-73
Governors and Meters	78	Sales for Resale	48
Gas Generating Plant	74	Sales of Gas to Ultimate Customers	44
Gas Operating Revenues	43	Sales of Residuals	48
Gas Operation & Maintenance Expenses	45-47	Scrubbers, Condensers & Exhausters	75
Holders	76	Transmission and Distribution Mains	77
Purchased Gas	48	Utility Plant - Gas	19-20