

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,

2018

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

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, 2018, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. 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 29, 2019

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

PAGES INTENTIONALLY OMITTED : 9, 13, 23 TO 36, 80

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)		\$7,207,325,707
9. Tax rate for all purposes during the year:	Residential Commercial/Industrial/Personal Property	\$10.09 \$22.20
10. Amount of manager's salary:		\$208,000
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.

		Amount
INCOME FROM PRIVATE CONSUMERS:		
1	From sales of gas	
2	From sales of electricity	65,500,000
3		
4	TOTAL	65,500,000
5	EXPENSES	
6	For operation, maintenance and repairs	50,500,000
7	For interest on bonds, notes or scrip	3,200,000
8	For depreciation fund (3 % 257,863,353 as per page 8B)	7,735,901
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13	TOTAL	61,435,901
14		
15	COST:	
16	Of gas to be used for municipal buildings	
17	Of gas to be used for street lights	
18	Of electricity to be used for municipal buildings	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	16,503
TOTAL	0	TOTAL	16,503

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	
			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	64625000
			5,965,000	15-May-20	4.80%	5/15/2020	
			6,180,000	15-May-21	4.80%	5/15/2021	
			6,515,000	15-May-22	4.80%	5/15/2022	
			6,785,000	15-May-23	4.80%	5/15/2023	
			7,120,000	15-May-24	4.80%	5/15/2024	
			7,475,000	15-May-25	4.80%	5/15/2025	
			7,845,000	15-May-26	4.80%	5/15/2026	
			7,545,000	15-May-27	4.80%	5/15/2027	
			3,320,000	15-May-28	4.80%	5/15/2028	
	TOTAL	137,166,500	106,790,000			TOTAL	64,625,000

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	11,152,094	204				11,152,298
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	56,485				3,265,424
13	316 Miscellaneous Power Plant Equipment	1,051,258					1,051,258
15	Total Steam Production Plant	32,285,441	56,689	0	0	0	32,342,130
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	0	0	0	0	0	0

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	13,438,313	52,347				13,490,660
13	342 Fuel Holders, Producers and Accessories	10,011,106	21,854				10,032,960
14	343 Prime Movers	27,815,934	1,611		(50,000)		27,767,545
15	344 Generators	45,659,619					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	113,222,254	75,812	0	(50,000)	0	113,248,066
19	Total Production Plant	145,507,695	132,501	0	(50,000)	0	145,590,196
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	3,160,831	1,987				3,162,818
24	353 Station Equipment	16,843,352	80,278	(475,437.00)			16,448,193
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	3,323,195	149,223				3,472,418
30	359 Roads and Trails	12,524					12,524
31	Total Transmission Plant	30,196,170	231,488	(475,437)	0	0	29,952,221

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					2,242,644
4	362 Station Equipment	5,970,767	50,062				6,020,829
5	363 Storage Battery Equipment	55,807	2,614,161				2,669,968
6	364 Poles Towers and Fixtures	6,011,015	541,742	(16,800)			6,535,957
7	365 Overhead Conductors and Devices	3,944,289	64,474	(63,320)			3,945,443
8	366 Underground Conduit	8,861,533					8,861,533
9	367 Underground Conductors and Devices	11,040,923	665,091	(10,721)			11,695,293
10	368 Line Transformers	8,041,889	1,324,141	(117,250)			9,248,780
11	369 Services	539,221					539,221
12	370 Meters	5,226,478	122,803	(219)			5,349,062
13	371 Installations on Customer's Premises	493,041		(3,433)			489,608
14	372 Leased Prop on Customer's Premises	-					
15	373 Streetlight and Signal Systems	1,416,197	30,147	(5,079)			1,441,265
16	Total Distribution Plant	53,878,804	5,412,621	(216,822)	0	0	59,074,603
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements						
20	391 Office Furniture and Equipment	6,654,840	82,237				6,737,077
21	392 Transportation Equipment	2,579,216	6,400				2,585,616
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	13,623,392	798,655				14,422,047
27	398 Miscellaneous Equipment	260,303	10,911				271,214
28	399 Other Tangible Property	0					
29	Total General Plant	23,272,929	898,203	0	0	0	24,171,132
30	Total Electric Plant in Service	252,855,598	6,674,813	(692,259)	(50,000)	0	258,788,152
31							Total Cost of Electric Plant..... 258,788,152
33							Less Cost of Land, Land Rights, Rights of Way..... 924,799
34							Total Cost upon which Depreciation is based 257,863,353
<p>The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.</p>							

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		UTILITY PLANT			
2	101	Utility Plant - Electric (P. 17)	137,041,519	136,094,513	(947,006)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	137,041,519	136,094,513	(947,006)
6					
7					
8					
9					
10		FUND ACCOUNTS			
11	123	Investment in Affiliated Company	640,494	496,796	(143,698)
12	125	Construction Fund	0	0	0
13	126	Depreciation Fund (P. 14)	3,802,135	2,518,360	(1,283,775)
14	128	Other Special Funds	8,924,230	9,698,951	774,721
15		Total Funds	13,366,859	12,714,107	(652,752)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	7,635,902	10,372,803	2,736,901
18	132	Special Deposits	899,790	902,286	2,496
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	2,577,692	2,387,811	(189,881)
22	143	Other Accounts Receivable	2,716,706	1,179,028	(1,537,678)
23	146	Receivables from Municipality	131,770	17,507	(114,263)
24	151	Materials and Supplies (P. 14)	4,366,285	4,347,783	(18,502)
25					
26	165	Prepayments	206,445	358,773	152,328
27	174	Miscellaneous Current Assets	5,846,261	3,673,605	(2,172,656)
28		Total Current and Accrued Assets	24,383,351	23,242,096	(1,141,255)
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	14,334,866	13,862,499	(472,367)
33		Total Deferred Debits	14,334,866	13,862,499	(472,367)
34					
35		Total Assets and Other Debits	189,126,595	185,913,215	(3,213,380)

COMPARATIVE BALANCE SHEET Liabilities and Other Credits					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction			0
3		SURPLUS			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	64,031,500	69,631,500	5,600,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	(2,135,751)	(4,251,022)	(2,115,271)
8		Total Surplus	61,941,918	65,426,647	3,484,729
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	70,225,000	64,625,000	(5,600,000)
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	70,225,000	64,625,000	(5,600,000)
15		CURRENT AND ACCRUED LIABILITIES			
16	232	Accounts Payable	4,211,768	4,070,581	(141,187)
17	234	Payables to Municipality	0	0	0
18	235	Customers' Deposits	2,865,442	2,141,765	(723,677)
19	236	Taxes Accrued	0	0	0
20	237	Interest Accrued	422,823	396,169	(26,654)
21	242	Miscellaneous Current and Accrued Liabilities	263,756	298,322	34,566
22		Total Current and Accrued Liabilities	7,763,789	6,906,837	(856,952)
23		DEFERRED CREDITS			
24	251	Unamortized Premium on Debt	12,799,458	11,334,230	(1,465,228)
25	252	Customer Advances for Construction	0	0	0
26	253	Other Deferred Credits	2,637,031	3,911,799	1,274,768
27		Total Deferred Credits	15,436,489	15,246,029	(190,460)
28		RESERVES			
29	260	Reserves for Uncollectible Accounts	130,515	90,282	(40,233)
30	261	Property Insurance Reserve	0	0	0
31	262	Injuries and Damages Reserves	0	0	0
32	263	Pensions and Benefits Reserves	24,702,798	24,121,456	(581,342)
33	265	Miscellaneous Operating Reserves	7,880,196	8,382,354	502,158
34		Total Reserves	32,713,509	32,594,092	(119,417)
35		CONTRIBUTIONS IN AID OF			
36		CONSTRUCTION			
37	271	Contributions in Aid of Construction	1,045,890	1,114,610	68,720
38		Total Liabilities and Other Credits	189,126,595	185,913,215	(3,213,380)

State below if any earning of the municipal lighting plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used, and the amount thereof.

STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)	65,009,063	2,563,510
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	45,382,545	2,459,318
5	402 Maintenance Expense	5,950,209	89,279
6	403 Depreciation Expense	7,554,695	156,289
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	58,887,449	2,704,886
11	Operating Income	6,121,614	(141,376)
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	6,121,614	(141,376)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	450,800	(67,511)
17	419 Interest Income	91,000	32,677
18	421 Miscellaneous Nonoperating Income (P. 21)	975,096	488,251
19	Total Other Income	1,516,896	453,417
20	Total Income	7,638,510	312,041
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(33,114)	(3,172)
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(33,114)	(3,172)
25	Income Before Interest Charges	7,671,624	315,213
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	3,207,350	(274,638)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit	(754,489)	44,134
30	431 Other Interest Expense	8,584	4,226
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	2,461,445	(226,278)
33	NET INCOME	5,210,179	541,491
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		(2,135,751)
35			
36			
37	433 Balance Transferred from Income		5,210,179
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	5,600,000	
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)	(4,251,022)	
43			
44	TOTALS	3,074,428	3,074,428

CASH BALANCES AT END OF YEAR		Page 14			
Line No.	Items (a)	Amount (b)			
1	Operation Fund	10,372,803			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12	TOTAL	10,372,803			
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)	4,347,783			
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			4,347,783	0
DEPRECIATION FUND ACCOUNT (Account 126)					
Line No.	(a)	Amount (b)			
24	DEBITS				
25	Balance of account at beginning of year	3,802,135			
26	Income during year from balance on deposit (interest)	67,423			
27	Amount transferred from income (depreciation)	3,887,615			
28					
29	TOTAL	7,757,173			
30	CREDITS				
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	5,238,813			
32	Amounts expended for renewals,viz:-				
33	Power Contract Settlement				
34					
35					
36					
37					
38					
39	Balance on hand at end of year	2,518,360			
40	TOTAL	7,757,173			

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	881,160	204	691,228			190,136
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	270,815	56,485	96,268			231,032
13	316 Miscellaneous Power Plant Equipment	300,570	0	31,538			269,032
15	Total Steam Production Plant	2,096,439	56,689	819,034	0	0	1,334,094
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	10,269,202	52,347	403,149			9,918,400
13	342 Fuel Holders, Producers and Accessories	6,944,820	21,854	300,333			6,666,341
14	343 Prime Movers	20,692,896	1,611	934,478	(50,000)		19,710,029
15	344 Generators	32,307,093	0	1,420,641		0	30,886,452
16	345 Accessory Electric Equipment	10,186,428	0	420,463			9,765,965
17	346 Miscellaneous Power Plant Equipment	1,670,939	0	68,455			1,602,484
18	Total Other Production Plant	82,071,378	75,812	3,547,519	(50,000)	0	78,549,671
19	Total Production Plant	84,167,817	132,501	4,366,553	(50,000)	0	79,883,765
20	3. Transmission Plant						
21	350 Land and Land Rights	231,432	0	7,751			223,681
22	351 Clearing Land and Rights of Way	0	0	0			0
23	352 Structures and Improvements	1,109,075	1,987	94,825			1,016,237
24	353 Station Equipment	9,466,203	80,278	505,301			9,041,180
25	354 Towers and Fixtures	219,676	0	16,379			203,297
26	355 Poles and Fixtures	0	0	0			0
27	356 Overhead Conductors and Devices	1,844,274	0	81,598			1,762,676
28	357 Underground Conduit	315,455	0	90,341			225,114
29	358 Underground Conductors and Devices	1,000,581	149,223	99,696			1,050,108
30	359 Roads and Trails	0	0	0			0
31	Total Transmission Plant	14,186,696	231,488	895,891	0	0	13,522,293

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	1,374,869	0	67,279			1,307,590
4	362 Station Equipment	3,160,571	50,062	179,123			3,031,510
5	363 Storage Battery Equipment	55,807	2,614,161	0			2,669,968
6	364 Poles Towers and Fixtures	3,706,656	541,742	180,330			4,068,068
7	365 Overhead Conductors and Devices	12,518	64,474	13,672			63,320
8	366 Underground Conduit	1,568,067	0	265,846			1,302,221
9	367 Underground Conductors and Devices	5,600,179	665,091	435,885			5,829,385
10	368 Line Transformers	3,679,460	1,324,141	241,257			4,762,344
11	369 Services	0	0	0			0
12	370 Meters	3,700,429	122,803	156,794			3,666,438
13	371 Installations on Customer's Premises	81,153	0	14,791			66,362
14	372 Leased Prop on Customer's Premises	0	0	0			0
15	373 Streetlight and Signal Systems	1,456,898	30,147	42,486			1,444,559
16	Total Distribution Plant	24,396,607	5,412,621	1,597,463	0	0	28,211,765
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	3,254,145	82,237	199,644			3,136,738
21	392 Transportation Equipment	2,447,729	6,400	77,375			2,376,754
22	393 Stores Equipment	16,674	0	852			15,822
23	394 Tools, Shop and Garage Equipment	0	0	0			0
24	395 Laboratory Equipment	0	0	0			0
25	396 Power Operated Equipment	5,884	0	408			5,476
26	397 Communication Equipment	8,436,834	798,655	408,700			8,826,789
27	398 Miscellaneous Equipment	112,009	10,911	7,809			115,111
28	399 Other Tangible Property	0	0	0			0
29	Total General Plant	14,273,275	898,203	694,788	0	0	14,476,690
30	Total Electric Plant in Service	137,024,395	6,674,813	7,554,695	(50,000)	0	136,094,513
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	17,124	0	0		(17,124)	0
34	Total Utility Plant Electric	137,041,519	6,674,813	7,554,695	(50,000)	(17,124)	136,094,513

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.

Next page is 21

MISCELLANEOUS NONOPERATING INCOME (Account 421)		Page 21
Line No.	Item (a)	Amount (b)
1	Mutual Aid	17,632
2	Grant Income	700,000
3	Income from ENE	257,464
4		
5		
6	TOTAL	975,096
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Premium Bond Payments	5,600,000
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	5,600,000
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	TOTAL	1,725,450

MUNICIPAL REVENUES (Account 482,444)
(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)
1					
2					
3					
4		TOTALS			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444-2	Municipal: (Other than Street Lighting)	10,880,346	1,593,528	0.1465
6					
7					
8		TOTALS	10,880,346	1,593,528	0.1465
9	444-1	Street Lighting	1,411,515	415,200	0.2942
10					
11					
12		TOTALS	1,411,515	415,200	0.2942
13		TOTALS	12,291,861	2,008,728	0.1634

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	13,596,940	411,273	0.0302
21	MMWEC Seabrook	Substation	61,714,464	1,992,345	0.0323
22	Energy New England	Braintree, MA	234,281,763	13,800,094	0.0589
23	ISO New England Interchange	115 KV	27,239,966	8,873,539	0.3258
24	Ameresco	Landfill Solar Array	1,539,765	172,878	0.1123
25	Ameresco	Braintree High School Solar Array	704,141	63,652	0.0904
26	Campanelli Solar		1,933,287	154,706	0.0800
27	Rate Stabilization			1,429,135	
28	National Grid			153,344	
29	Renewable Energy Credits			(102,611)	
30	PTF Credits			(2,874,632)	
31	Fwd Reserve Credits			47,764	
32					
33					
34					
35					
		TOTALS	341,010,326	24,121,487	0.0707

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	174,864	\$136,497	0.7806
33	North Attleboro Electric Dept. (Potter)	Substation	396,161	\$309,243	0.7806
34	Hingham Municipal Light (Watson)	Braintree, MA	3,910,781	\$1,846,161	0.4721
35	Concord Municipal (Watson)	115 KV	3,421,933	\$1,615,391	0.4721
36	Taunton Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
37	Wellesley Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
38	Reading Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
39	Chicopee Electric Light (Watson)		3,910,781	\$1,846,161	0.4721
40	New Hampshire Electric Coop (Watson)		4,399,631	\$2,064,526	0.4692
41		TOTALS	27,946,494	13,356,462	0.4779

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 :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 5. Classification on Commercial and Industrial Sales, Account 442,

month. If the customer count in the residential service classifi Large (or Industrial) may be according to the basis of classification

includes customers counted more than once because of spec regularly used by the respondent if such basis of classification is not

services, such as water heating, etc., indicate in a footnote th 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)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	16,948,618	900,456	120,250,378	6,597,224	13,934	32
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	29,292,136	646,110	192,398,192	3,532,900	2,426	47
5	Large Commercial C Sales	2,896,516	336,711	21,272,164	2,156,814	6	0
6	444 Municipal Sales	1,593,528	(28,451)	10,880,346	(229,530)	123	0
7	445 Street Lighting	415,200	7,600	1,411,515	(89,792)		
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales	113,714	(1,240)	937,595	22,828	211	0
11	Total Sales to Ultimate Consumers	51,259,712	1,861,186	347,150,190	11,990,444	16,700	79
12	447 Sales for Resale	13,356,451	1,130,617	27,946,494	(505,828)	9	0
13	Total Sales of Electricity*	64,616,163	2,991,803	375,096,684	11,484,616	16,709	79
14	OTHER OPERATING REVENUES						
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	565,240	(33,488)				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	35,571	(101,731)				
21							
22	ISP Revenues						
23	Miscellaneous Adjustments to Sales	(207,911)	(293,074)				
24							
25	Total Other Operating Revenues	392,900	(428,293)				
26	Total Electric Operating Revenue	65,009,063	2,563,510				

* Includes revenues from application of fuel clauses \$

\$ -

Total KWH to which applied

344,801,080

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	114,569,062	\$16,174,053	0.1412	13,454	13,430
2		A1C Controlled Water Heating	5,647,200	\$769,782	0.1363	513	496
3		AS Distributed Generation	34,116	\$4,782	0.1402	5	8
4		DG1 Distributed Generation	7,616	(3,262)	(0.4283)	10	10
5		DG2 Distributed Generation	381,677	\$24,443	0.0640	4	4
6	442	G1 Small General Service	66,381,728	\$10,763,897	0.1622	2,238	2,239
7		E1 Economic Development	679,830	\$81,478	0.1199	0	1
8		G2 Large General Service	105,000,927	\$15,569,126	0.1483	164	165
9		H1 Commercial Heating and Cooling	19,946,414	\$2,856,455	0.1432	23	21
10		P1 Industrial	21,272,164	\$2,896,516	0.1362	6	6
11	444	MG1 Municipal	2,291,969	\$370,892	0.1618	106	107
12		MG2 Municipal	6,974,417	\$995,635	0.1428	13	13
14		MH1 Municipal	1,613,960	\$227,001	0.1406	3	3
15		Street Lighting	1,411,515	\$415,200	0.2942	1	1
16		L1 Area Lighting	937,595	\$113,714	0.1213	210	210
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			347,150,190	51,259,712	0.1477	16,750	16,714

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering	309,931	37,223
5	501 Fuel	627,772	220,533
6	502 Steam Expenses	757,330	60,334
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	1,695,033	318,090
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	397,041	(90,541)
16	512 Maintenance of boiler plant	561,431	(409,888)
17	513 Maintenance of electric plant	1,042,880	484,944
18	514 Maintenance of miscellaneous steam plant	164,282	14,543
19	Total Maintenance	2,165,634	(942)
20	Total power production expenses -steam power	3,860,667	317,148
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance or reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering	250,246	24,323
13	547 Fuel	3,042,567	(126,432)
14	548 Generation Expenses	1,140,328	4,586
15	549 Miscellaneous other power generation expense	366,976	4,285
16	550 Rents	0	0
17	Total Operation	4,800,117	(93,238)
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	665,591	(24,217)
21	553 Maintenance of generating and electric plant	1,212,680	181,514
22	554 Maintenance of miscellaneous other power generation plant	86,451	30,385
23	Total Maintenance	1,964,722	187,682
24	Total power production expenses - other power	6,764,839	94,444
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	24,121,487	2,079,314
27	556 System control and load dispatching	0	0
28	557 Other expenses	284,037	29,998
29	Total other power supply expenses	24,405,524	2,109,312
30	Total power production expenses	35,031,030	2,520,904
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	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	71,902	(107,028)
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	49,516	11,137
48	573 Maintenance of miscellaneous transmission plant	40,806	(1,509)
49	Total maintenance	162,224	(97,400)
50	Total transmission expenses	162,224	(97,400)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	234,230	23,755
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	0	0
6	583 Overhead line expenses	30,121	(11,837)
7	584 Underground line expenses	0	0
8	585 Street lighting and signal system expenses	141,187	8,641
9	586 Meter expenses	2,684	(4,592)
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	177,949	(91,826)
12	589 Rents	0	0
13	Total operation	586,171	(75,859)
14	Maintenance:		
15	590 Maintenance supervision and engineering	138,676	39,462
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	198,123	(21,331)
18	593 Maintenance of overhead lines	1,671,463	18,700
19	594 Maintenance of underground lines	943,493	(36,959)
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	133,636	(869)
22	597 Maintenance of meters	302,346	(5,949)
23	598 Maintenance of miscellaneous distribution plant	144,812	34,597
24	Total maintenance	3,532,549	27,651
25	Total distribution expenses	4,118,720	(48,208)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	0	0
30	903 Customer records and collection expenses	728,823	(124,012)
31	904 Uncollectible accounts	75,000	12,500
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	803,823	(111,512)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	661,933	27,733
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	661,933	27,733
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	1,586,627	17,818
44	921 Office supplies and expenses	9,934	(16,240)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	328,717	26,265
47	924 Property insurance	586,934	(22,267)
48	925 Injuries and damages	0	(200)
49	926 Employee pensions and benefits	7,078,871	283,491
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	510,230	(122,678)
53	931 Rents	0	0
54	Total operation	10,101,313	166,189

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.			
2	Maintenance:			
3	932 Maintenance of general plant	252,026	62,570	
4	933 Transportation expense	201,685	28,326	
5	Total administrative and general expenses	10,555,024	257,085	
6	Total Electric Operation and Maintenance Expenses	51,332,754	2,548,602	
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
7	Power Production Expenses			
8	Electric Generation:			
9	Steam Power:	1,695,033	2,165,634	3,860,667
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	6,764,839		6,764,839
13	Other Power Supply Expenses	24,405,524		24,405,524
14	Total power production expenses	32,865,396	2,165,634	35,031,030
15	Transmission Expenses	162,224		162,224
16	Distribution Expenses	586,171	3,532,549	4,118,720
17	Customer Accounts Expenses	803,823		803,823
18	Sales Expenses	661,933		661,933
19	Administrative and General Expenses	10,302,998	252,026	10,555,024
20	Total Electric Operation and			
21	Maintenance Expenses	45,382,545	5,950,209	51,332,754
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)			90.58%
23	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			\$10,084,885
24	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			82

Next Page is 49

OTHER UTILITY OPERATING INCOME (Account 414)					Page 50
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				450,800
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	450,800
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	450,800

SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes

integrated).

6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
NONE								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
TOTALS:		0	0.00	0.00		0.00	42	

PURCHASED POWER (Account 555)
(EXCEPT INTERCHANGE POWER)

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	
		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	SOURCES OF ENERGY							
2	Generation							
3	Steam	Gas Turbine Combined Cycle						46,793,281
4	Nuclear							
5	Hydro							
6	Other	Diesel, Fuel Cell						0
7	Total Generation							46,793,281
8	Purchases							313,770,900
9					(In (gross)	27,239,966		
10	Interchanges				< Out (gross)	0		
11					(Net (Kwh)		27,239,966	
12					(Received			
13	Transmission for/by others (wheeling)				< Delivered			
14					(Net (Kwh)			
15	TOTAL							387,804,147
16	DISPOSITION OF ENERGY							
17	Sales to ultimate consumers (including interdepartmental sales)							347,150,190
18	Sales for resale							27,946,494
19	Energy furnished without charge (station use)							4,755,186
20	Energy used by the company (excluding station use):							
21	Electric department only							1,442,722
22	Energy losses							
23	Transmission and conversion losses							
24	Distribution losses							
25	Unaccounted for losses 1.68%							6,509,555
26	Total energy losses							6,509,555
27	Energy losses as percent of total on line 15							
28	TOTAL							387,804,147

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

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	67,020	Tue	2	7:00pm	60 min	39,445,580
30	February	56,210	Wed	7	6:00pm	"	29,213,540
31	March	53,370	Wed	7	7:00pm	"	31,775,210
32	April	49,630	Mon	16	12:00pm	"	29,694,930
33	May	56,540	Tue	29	6:00pm	"	29,872,510
34	June	67,840	Fri	29	5:00pm	"	28,903,970
35	July	79,720	Tue	3	5:00pm	"	37,874,060
36	August	85,460	Wed	29	2:00pm	"	39,621,880
37	September	82,040	Thur	6	4:00pm	"	31,907,540
38	October	55,900	Wed	10	4:00pm	"	28,900,230
39	November	52,980	Thur	15	5:00pm	"	28,910,510
40	December	56,740	Tue	18	8:00pm	"	31,684,187
41						TOTAL	387,804,147

**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)
		POTTER I	DIESEL	POTTER II
1	Kind of plant (steam, hydro, int. com., gas turbine	Steam	I.C.	Gas Turbine C.C.
2	Type of plant construction (conventional,			Oil Production
3	outdoor boiler, full outdoor, etc.)	Conventional	Conventional	Conventional
4	Year originally constructed	1959	1977	1977
5	Year last unit was installed	1959	1977	1977
6	Total installed capacity (maximum			
7	generator name plate ratings in kw)	12,500	2,500	97,500
8	Net peak demand on plant-kilowatts (60 min.)	12,500	2,500	79,500
9	Plant hours connected to load		0	1
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	Total cost	\$3,121,193	\$755,082	\$22,212,504
22	Cost per kw of installed capacity	\$250	\$302	\$228
23	Production expenses:			
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		\$0.00	\$15,140
27	Supplies and expenses, including water			
28	Maintenance	\$0.00	\$0.00	\$0.00
29	Rents			
30	Steam from other sources			
31	Steam transferred -- Credit			
32	Total production expenses	\$0.00	\$0.00	\$15,140
33	Expenses per net Kwh (5 places)	0.0000	0.0000	0.0000
34	Fuel: Kind		Oil	Oil
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42		bbls.	bbls.
36	gals.) (Gas-M cu. ft.) (Nuclear, indicate)			
37	Quantity (units) of fuel consumed	Demolished and Removed in 2007	0	169
38	Average heat content of fuel (B.t.u. per lb. of coal,			
39	per gal. of oil, or per cu. ft. of gas)		137,077	140,000
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			
45			Diesel unit did not run in 2018	
46			and was scrapped in 2018	

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.
POTTER II	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
127	314.55	97.47	349.87	99.53		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
7,606,360	14,538,610	4,494,480	15,343,560	4,731,160		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
\$228	\$0	\$0	\$0	\$0		22
						23
						24
\$454,972	\$1,022,350	\$646,166	\$689,514	\$684,538		25
						26
						27
						28
						29
						30
						31
\$454,972.00	\$1,022,350.00	\$646,166.00	\$689,514.00	\$684,538.00		32
0.05981	0.07032	0.14377	0.04494	0.14469		33
Gas	Gas	Oil	Gas	Oil		34
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		35
						36
84,881	145,942	10,060	152,080	12,018		37
						38
1,036.24	1036.24		1036.24			39
5.36	7.01	64.23	4.53	56.96		40
5.36	7.01	64.23	4.53	56.96		41
						42
0.05981	0.07032	0.14377	0.04494	0.14469		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	Type	Steam Pressure at Throttle p.s.i.g.	R.P.M.	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor	Voltage K.v.++	Station Capacity Maximum Name Plate Rating*+	Line No.
				At Minimum Hydrogen Pressure	At Maximum Hydrogen Pressure	Min.	Max.				
				(l)	(m)						
(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	
1977	SC	620	3,600	20,700	20,700	Air	Cooled	0.9	13.8	20,700	1
1977	SC	620	3,600	78,000	78,000	0.5#	15.0#	0.9	13.8	78,000	2
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	3
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	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
TOTALS											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), 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			
				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							
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.

Water Wheels -- Continued			Generators						Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Design Head (h)	R.P.M. (l)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)		
		*** 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
										38
TOTALS										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							
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 was					
10		scrapped in April 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.

Prime Movers -- Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	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
		Note: Diesel was retired from ISO Market System as of May 1, 2014 Can be used in emergency situations only							2
		Diesel unit was electrically disconnected in December 2017 and was scrapped in April 2018							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
TOTALS								2,665	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	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				9.58		8	

* 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		100,000	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											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26	TOTALS					280,000	6	0			

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	104.84		104.84
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:	12,491	17,234	2,354	305,669
17	Additions during year				
18	Purchased		0		
19	Installed	20	185	62	11,505
20	Associated with utility plant acquired				
21	Total Additions	20	185	62	11,505
22	Reductions during year:				
23	Retirements	5	11	51	6,750
24	Associated with utility plant sold				
25	Total Reductions	5	11	51	6,750
26	Number at end of year	12,506	17,408	2,365	310,424
27	In stock		90	130	27,000
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		17,318	2,235	283,044
31	In company's use				
32	Number at end of year		17,408	2,365	310,424

*

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	4,125	42		3,864		52	167	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	4125	42	0	3864	0	52	167	0	0

Note: BELD began to install new LED Streetlights in town beginning near end of 2015 and completed instalation in fall of 2017

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 CHANGE DURING 2018*****		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....
William G. Bottiggi
 William G. Bottiggi

Thomas J. Reynolds
 Thomas J. Reynolds, Chairman

Anthony L. Agnitti
 Anthony L. Agnitti, Vice - Chairman

James P. Regan
 James P. Regan, Secretary

Mayor

Manager of Electric Light Dept.

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

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