

# **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,**

**2021**

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, 2021, and the related statements of income and 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. We do not express an opinion, a conclusion, nor provide any assurance on the financial statements 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.

This report is intended solely for the information and use of Braintree Electric Light Department and the Massachusetts Department of Public Utilities, and is not intended to be and should not be used by anyone other than these specified parties.

Goulet, Salvidio & Associates P.C.

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

Worcester, Massachusetts  
May 5, 2022

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## 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
Gas Operating Revenues	43	Boilers
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters
Gas Operation & Maintenance Expenses	45-47	Purifiers
Purchased Gas	48	Holders
Sales for Resale	48	Transmission and Distribution Mains
Sales of Residuals	48	Gas Distribution Services, House
Record of Sendout for the Year in MCF	72-73	Governors and Meters

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,<br>Kind of plant, whether gas or electric.<br>Owner from whom purchased, if so acquired.<br>Date of votes to acquire a plant in accordance with the provisions of<br>chapter 164 of the General Laws.<br>Record of votes: First vote: Yes, 119; No, 3 Second vote: Yes, 146; No, 5<br>Date when town (or city) began to sell gas and electricity, | Electric<br><br><br><br><br><br>July 1893   |
| 3.  | Name and address of manager of municipal lighting:  | William Bottiggi<br>150 Potter Road<br>Braintree, MA 02184  |
| 4.  | Name and address of mayor or selectmen:   | Charles Kokoros<br>1 JFK Memorial Drive<br>Braintree, MA 02184  |
| 5.  | Name and address of town (or city) treasurer:   | Edward Spellman<br>1 JFK Memorial Drive<br>Braintree, MA 02184  |
| 6.  | Name and address of town (or city) clerk:   | James Casey<br>1 JFK Memorial Drive<br>Braintree, MA 02184  |
| 7.  | Names and addresses of members of municipal light board:  | Anthony Agnitti      Braintree, MA<br>James Regan      Braintree, MA<br>Thomas J. Reynolds      Braintree, MA |
| 8.  | Total valuation of estates in town (or city) according to last State valuation<br>(taxable)   | \$8,550,390,947   |
| 9.  | Tax rate for all purposes during the year:  |   |
|     | Residential   | \$9.95  |
|     | Commercial/Industrial/Personal Property   | \$21.63 / \$21.55   |
| 10. | Amount of manager's salary:   | \$231,700   |
| 11. | Amount of manager's bond:   | \$100,000   |
| 12. | Amount of salary paid to members of municipal light board (each):   | \$100   |

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
1	<b>INCOME FROM PRIVATE CONSUMERS:</b>			
2	From sales of gas			
3	From sales of electricity			59,868,751
4				
5	<b>EXPENSES</b>			
6	For operation, maintenance and repairs			49,635,444
7	For interest on bonds, notes or scrip			2,417,550
8	For depreciation fund ( 3 %	255,916,441	as per page 8B)	7,677,493
9	For sinking fund requirements			
10	For note payments			
11	For bond payments			
12	For loss in preceding year			
13				
14				
15	<b>COST:</b>			
16	Of gas to be used for municipal buildings			
17	Of gas to be used for street lights			
18	Of electricity to be used for municipal buildings			1,850,000
19	Of electricity to be used for street lights			650,000
20	Total of above items to be included in the tax levy			2,500,000
21				
22	New construction to be included in the tax levy			
23	Total amounts to be included in the tax levy			
<b>CUSTOMERS</b>				
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	16,534	

**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	650,000
2.	Municipal buildings	1,850,000
3.		
TOTAL		2,500,000

\* Date of meeting and whether regular or special

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

**CHANGES IN THE PROPERTY**

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

**In electric property:****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	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	
			5,965,000	15-May-20	4.80%	5/15/2020	
			6,180,000	15-May-21	4.80%	5/15/2021	46,605,000
			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	46,605,000

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

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	0	0	0	0	631,438
8	311 Structures and Improvements	11,152,513	0	(775,063)	0	0	10,377,450
9	312 Boiler Plant Equipment	4,352,889	0	(4,352,889)	0	0	0
10	313 Engines and Engine Driven Generators	0	0	0	0	0	0
11	314 Turbogenerator Units	11,888,823	0	(1,124,473)	0	0	10,764,350
12	315 Accessory Electric Equipment	3,265,424	0	(449,540)	0	0	2,815,884
13	316 Miscellaneous Power Plant Equipment	1,051,258	0	(429,680)	0	0	621,578
15	Total Steam Production Plant	32,342,345	0	(7,131,645)	0	0	25,210,700
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	13,490,660	0	(2,016,136)	0	0	11,474,524
13	342 Fuel Holders, Producers and Accessories	10,032,960	0	(70,163)	0	0	9,962,797
14	343 Prime Movers	27,767,545	0	(1,250,755)	0	0	26,516,790
15	344 Generators	45,659,619	1,042,017	(205,847)	0	0	46,495,789
16	345 Accessory Electric Equipment	13,982,287	0	0	0	0	13,982,287
17	346 Miscellaneous Power Plant Equipment	2,281,845	0	0	0	0	2,281,845
18	Total Other Production Plant	113,214,916	1,042,017	(3,542,901)	0	0	110,714,032
19	Total Production Plant	145,557,261	1,042,017	(10,674,546)	0	0	135,924,732
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361	0	0	0	0	258,361
22	351 Clearing Land and Rights of Way	107,653	0	0	0	0	107,653
23	352 Structures and Improvements	3,162,818	0	0	0	153,432	3,316,250
24	353 Station Equipment	16,995,394	353,731	0	0	0	17,349,125
25	354 Towers and Fixtures	545,982	0	0	0	0	545,982
26	355 Poles and Fixtures	212,981	0	0	0	0	212,981
27	356 Overhead Conductors and Devices	2,719,932	0	(2,229)	0	0	2,717,703
28	357 Underground Conduit	3,011,359	0	0	0	0	3,011,359
29	358 Underground Conductors and Devices	3,472,730	0	0	0	0	3,472,730
30	359 Roads and Trails	12,524	0	0	0	0	12,524
31	Total Transmission Plant	30,499,734	353,731	(2,229)	0	153,432	31,004,668

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	2,287,625	181,213	0	0	(153,432)	2,315,406
4	362 Station Equipment	6,056,296	0	0	0	0	6,056,296
5	363 Storage Battery Equipment	2,754,401	0	0	0	0	2,754,401
6	364 Poles Towers and Fixtures	7,363,628	437,971	(11,953)	0	0	7,789,646
7	365 Overhead Conductors and Devices	4,006,803	109,514	(66,573)	0	0	4,049,744
8	366 Underground Conduit	8,861,533	0	0	0	0	8,861,533
9	367 Underground Conductors and Devices	12,265,686	843,196	(238,328)	0	0	12,870,554
10	368 Line Transformers	9,907,530	378,425	(71,468)	0	0	10,214,487
11	369 Services	539,221	0	0	0	0	539,221
12	370 Meters	5,719,365	117,431	(47,772)	0	0	5,789,024
13	371 Installations on Customer's Premises	487,760	0	0	0	0	487,760
14	372 Leased Prop on Customer's Premises	0	0	0	0	0	0
15	373 Streetlight and Signal Systems	1,485,458	14,334	0	0	0	1,499,792
16	Total Distribution Plant	61,770,306	2,082,084	(436,094)	0	(153,432)	63,262,864
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0	0	0	0
19	390 Structures and Improvements	0	0	0	0	0	0
20	391 Office Furniture and Equipment	6,772,747	19,412	0	0	0	6,792,159
21	392 Transportation Equipment	3,302,169	428,996	(131,843)	0	0	3,599,322
22	393 Stores Equipment	28,408	0	0	0	0	28,408
23	394 Tools, Shop and Garage Equipment	87,036	0	0	0	0	87,036
24	395 Laboratory Equipment	26,132	0	0	0	0	26,132
25	396 Power Operated Equipment	13,602	0	0	0	0	13,602
26	397 Communication Equipment	15,511,728	242,901	0	0	0	15,754,629
27	398 Miscellaneous Equipment	455,341	0	0	0	0	455,341
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	26,197,163	691,309	(131,843)	0	0	26,756,629
30	Total Electric Plant in Service	264,024,464	4,169,141	(11,244,712)	0	0	256,948,893
31	Total Cost of Electric Plant.....						256,948,893
33	Less Cost of Land, Land Rights, Rights of Way.....						1,032,452
34	Total Cost upon which Depreciation is based .....						255,916,441
The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.							

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<b>COMPARATIVE BALANCE SHEET   Assets and Other Debits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>UTILITY PLANT</b>			
2	101	Utility Plant - Electric (P. 17)	127,209,649	123,181,999	(4,027,650)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	127,209,649	123,181,999	(4,027,650)
6					
7					
8					
9					
10		<b>FUND ACCOUNTS</b>			
11	123	Investment in Affiliated Company	119,339	0	(119,339)
12	125	Construction Fund	0	0	0
13	126	Depreciation Fund (P. 14)	6,823,290	8,918,389	2,095,099
14	128	Other Special Funds	11,381,986	13,769,363	2,387,377
15		Total Funds	18,324,615	22,687,752	4,363,137
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	10,698,069	8,223,708	(2,474,361)
18	132	Special Deposits	1,094,146	1,094,693	547
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	2,593,041	2,225,558	(367,483)
22	143	Other Accounts Receivable	2,170,410	2,312,536	142,126
23	146	Receivables from Municipality	105,086	66,182	(38,904)
24	151	Materials and Supplies (P. 14)	4,976,440	4,776,200	(200,240)
25					
26	165	Prepayments	364,912	565,604	200,692
27	174	Miscellaneous Current Assets	3,414,948	3,367,687	(47,261)
28		Total Current and Accrued Assets	25,419,552	22,634,668	(2,784,884)
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	12,600,375	12,858,645	258,270
33		Total Deferred Debits	12,600,375	12,858,645	258,270
34					
35		Total Assets and Other Debits	183,554,191	181,363,064	(2,191,127)

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>APPROPRIATIONS</b>			
2	201	Appropriations for Construction			0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	81,471,500	87,651,500	6,180,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	(14,465,260)	(12,384,830)	2,080,430
8		Total Surplus	67,052,409	75,312,839	8,260,430
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	52,785,000	46,605,000	(6,180,000)
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	52,785,000	46,605,000	(6,180,000)
15		<b>CURRENT AND ACCRUED LIABILITIES</b>			
16	232	Accounts Payable	5,746,647	5,426,247	(320,400)
17	233	Capital Lease	0	0	0
18	234	Payables to Municipality	0	0	0
19	235	Customers' Deposits	2,183,476	2,434,716	251,240
20	236	Taxes Accrued	0	0	0
21	237	Interest Accrued	321,287	282,361	(38,926)
22	242	Miscellaneous Current and Accrued Liabilities	512,821	517,118	4,297
23		Total Current and Accrued Liabilities	8,764,231	8,660,442	(103,789)
24		<b>DEFERRED CREDITS</b>			
25	251	Unamortized Premium on Debt	8,538,192	7,206,006	(1,332,186)
26	252	Customer Advances for Construction	0	0	0
27	253	Other Deferred Credits	6,998,039	8,569,626	1,571,587
28		Total Deferred Credits	15,536,231	15,775,632	239,401
29		<b>RESERVES</b>			
30	260	Reserves for Uncollectible Accounts	209,991	89,191	(120,800)
31	261	Property Insurance Reserve	0	0	0
32	262	Injuries and Damages Reserves	0	0	0
33	263	Pensions and Benefits Reserves	26,549,673	21,123,377	(5,426,296)
34	265	Miscellaneous Operating Reserves	11,571,966	12,749,374	1,177,408
35		Total Reserves	38,331,630	33,961,942	(4,369,688)
36		<b>CONTRIBUTIONS IN AID OF</b>			
37		<b>CONSTRUCTION</b>			
38	271	Contributions in Aid of Construction	1,084,690	1,047,209	(37,481)
39		Total Liabilities and Other Credits	183,554,191	181,363,064	(2,191,127)

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)	61,020,877	2,113,038
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	39,251,697	(3,508,627)
5	402 Maintenance Expense	5,113,930	212,556
6	403 Depreciation Expense	7,889,760	63,370
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	52,255,387	(3,232,701)
11	Operating Income	8,765,490	5,345,739
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	8,765,490	5,345,739
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	1,183,430	(1,427,149)
17	419 Interest Income	9,041	(32,958)
18	421 Miscellaneous Nonoperating Income (P. 21)	108,502	(174,434)
19	Total Other Income	1,300,973	(1,634,541)
20	Total Income	10,066,463	3,711,198
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	(37,481)	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(37,481)	0
25	Income Before Interest Charges	10,103,944	3,711,198
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	2,379,438	(280,037)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit	(621,446)	44,427
30	431 Other Interest Expense	3,322	(15,351)
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	1,761,314	(250,961)
33	<b>NET INCOME</b>	8,342,630	3,962,159
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		(14,465,260)
35			
36			
37	433 Balance Transferred from Income		8,342,630
38	434 Miscellaneous Credits to Surplus (P. 21)		1,530,425
39	435 Miscellaneous Debits to Surplus (P. 21)	6,180,000	
40	436 Appropriations of Surplus (P. 21)	1,612,625	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	(12,384,830)	
43			
44	<b>TOTALS</b>	(4,592,205)	(4,592,205)

CASH BALANCES AT END OF YEAR			Page 14
Line No.	Items (a)	Amount (b)	
1	Operation Fund	8,223,708	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12		TOTAL	8,223,708
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)	4,776,200	
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	4,776,200	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	6,823,290	
26	Income during year from balance on deposit (interest)	8,821	
27	Amount transferred from income (depreciation)	7,889,760	
28			
29	TOTAL	14,721,871	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	5,803,482	
32	Amounts expended for renewals,viz:-		
33	Power Contract Settlement		
34			
35			
36			
37			
38			
39	Balance on hand at end of year	8,918,389	
40	TOTAL	14,721,871	



## 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	0	0	0	631,438
8	311 Structures and Improvements	0	0	0	0	0	0
9	312 Boiler Plant Equipment	12,456	0	12,456	0	0	0
10	313 Engines and Engine Driven Generators	0	0	0	0	0	0
11	314 Turbogenerator Units	0	0	0	0	0	0
12	315 Accessory Electric Equipment	35,106	0	35,106	0	0	0
13	316 Miscellaneous Power Plant Equipment	205,956	0	31,538	0	0	174,418
15	Total Steam Production Plant	884,956	0	79,100	0	0	805,856
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	8,919,039	0	739,295	0	0	8,179,744
13	342 Fuel Holders, Producers and Accessories	6,064,363	0	419,120	0	0	5,645,243
14	343 Prime Movers	17,843,977	0	833,026	0	0	17,010,951
15	344 Generators	26,883,601	1,042,017	1,789,311	0	0	26,136,307
16	345 Accessory Electric Equipment	9,060,170	0	419,469	0	0	8,640,701
17	346 Miscellaneous Power Plant Equipment	1,465,574	0	68,455	0	0	1,397,119
18	Total Other Production Plant	70,236,724	1,042,017	4,268,676	0	0	67,010,065
19	Total Production Plant	71,121,680	1,042,017	4,347,776	0	0	67,815,921
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361	0	0	0	0	258,361
22	351 Clearing Land and Rights of Way	0	0	0	0	0	0
23	352 Structures and Improvements	826,467	0	94,885	0	153,432	885,014
24	353 Station Equipment	8,542,672	353,731	562,160	0	0	8,334,243
25	354 Towers and Fixtures	170,539	0	16,379	0	0	154,160
26	355 Poles and Fixtures	0	0	0	0	0	0
27	356 Overhead Conductors and Devices	1,599,480	0	81,598	0	0	1,517,882
28	357 Underground Conduit	44,432	0	44,432	0	0	0
29	358 Underground Conductors and Devices	842,066	0	104,558	0	0	737,508
30	359 Roads and Trails	0	0	0	0	0	0
31	Total Transmission Plant	12,284,017	353,731	904,012	0	153,432	11,887,168

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	35,000	0	0	0	0	35,000
3	361 Structures and Improvements	1,182,894	181,213	68,629	0	(153,432)	1,142,046
4	362 Station Equipment	2,705,727	0	181,689	0	0	2,524,038
5	363 Storage Battery Equipment	2,754,400	0	82,632	0	0	2,671,768
6	364 Poles Towers and Fixtures	4,526,386	437,971	220,909	0	0	4,743,448
7	365 Overhead Conductors and Devices	376,960	109,514	136,381	0	0	350,093
8	366 Underground Conduit	770,529	0	265,846	0	0	504,683
9	367 Underground Conductors and Devices	5,633,921	843,196	367,971	0	0	6,109,146
10	368 Line Transformers	5,111,441	378,425	297,226	0	0	5,192,640
11	369 Services	0	0	0	0	0	0
12	370 Meters	3,711,623	117,431	171,581	0	0	3,657,473
13	371 Installations on Customer's Premises	37,037	0	14,633	0	0	22,404
14	372 Leased Prop on Customer's Premises	0	0	0	0	0	0
15	373 Streetlight and Signal Systems	1,403,607	14,334	44,564	0	0	1,373,377
16	Total Distribution Plant	28,249,525	2,082,084	1,852,061	0	(153,432)	28,326,116
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0	0	0	0
19	390 Structures and Improvements	0	0	0	0	0	0
20	391 Office Furniture and Equipment	2,767,154	19,412	203,182	0	0	2,583,384
21	392 Transportation Equipment	3,150,243	428,996	99,065	0	0	3,480,174
22	393 Stores Equipment	14,118	0	852	0	0	13,266
23	394 Tools, Shop and Garage Equipment	0	0	0	0	0	0
24	395 Laboratory Equipment	0	0	0	0	0	0
25	396 Power Operated Equipment	4,660	0	408	0	0	4,252
26	397 Communication Equipment	9,029,153	242,901	468,747	0	0	8,803,307
27	398 Miscellaneous Equipment	282,068	0	13,657	0	0	268,411
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	15,247,396	691,309	785,911	0	0	15,152,794
30	Total Electric Plant in Service	126,902,618	4,169,141	7,889,760	0	0	123,181,999
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	307,031	0	0		(307,031)	0
34	Total Utility Plant Electric	127,209,649	4,169,141	7,889,760	0	(307,031)	123,181,999

**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)	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

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>			<b>Page 21</b>
Line No.	Item (a)	Amount (b)	
1	Mutual Aid	(20,037)	
2	Income from ENE	128,539	
3			
4			
5			
6	<b>TOTAL</b>	108,502	
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>			
Line No.	Item (a)	Amount (b)	
7			
8			
9			
10			
11			
12			
13			
14	<b>TOTAL</b>	0	
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>			
Line No.	Item (a)	Amount (b)	
15	Transfer of Net Assets from the Sale of ISP Business	1,530,425	
16			
17			
18			
19			
20			
21			
22			
23	<b>TOTAL</b>	1,530,425	
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>			
Line No.	Item (a)	Amount (b)	
24	Premium Bond Payments	6,180,000	
25			
26			
27			
28			
29			
30			
31			
32	<b>TOTAL</b>	6,180,000	
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>			
Line No.	Item (a)	Amount (b)	
33	In Lieu of Tax Payments to Town	1,612,625	
34			
35			
36			
37			
38			
39			
40	<b>TOTAL</b>	1,612,625	

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

Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)
1					
2					
3					
4		<b>TOTALS</b>			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444-2	Municipal: (Other than Street Lighting)	10,879,362	1,625,870	0.1494
6					
7					
8		<b>TOTALS</b>	10,879,362	1,625,870	0.1494
9	444-1	Street Lighting	1,420,635	300,000	0.2112
10					
11					
12		<b>TOTALS</b>	1,420,635	300,000	0.2112
13		<b>TOTALS</b>	12,299,997	1,925,870	0.1566

**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	13,829,340	\$ 439,571	0.0318
21	MMWEC Seabrook	Substation	60,452,915	1,662,053	0.0275
22	Energy New England	Braintree, MA	245,839,121	12,345,227	0.0502
23	ISO New England Interchange	115 KV	(4,290,250)	5,410,590	-1.2611
24	Landfill Solar Array		1,577,374	187,941	0.1191
25	Braintree High School Solar Array		739,379	66,914	0.0905
26	Campanelli Solar		2,815,629	234,738	0.0834
27	66 Brooks Drive Solar (Archdiocese)		1,087,553	93,944	0.0864
28	Duke Energy / Potter DG		2,522,650	512,371	0.2031
29	National Grid		0	99,364	N/A
30	Rate Stabilization Transfer		0	1,103,634	N/A
31					
32					
33					
34					
35					
36					
		<b>TOTALS</b>	324,573,711	\$ 22,156,347	0.0683

**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	0	\$ 109,860	N/A
33	North Attleboro Electric Dept. (Potter)	Substation	0	248,896	N/A
34	Hingham Municipal Light (Watson)	Braintree, MA	2,281,326	1,791,554	0.7853
35	Concord Municipal (Watson)	115 KV	1,996,160	1,567,610	0.7853
36	Taunton Municipal Light (Watson)		2,281,326	1,791,554	0.7853
37	Wellesley Municipal Light (Watson)		2,281,326	1,791,554	0.7853
38	Reading Municipal Light (Watson)		2,281,326	1,791,554	0.7853
39	Chicopee Electric Light (Watson)		2,281,326	1,791,554	0.7853
40	New Hampshire Electric Coop (Watson)		2,566,493	2,003,427	0.7806
41		<b>TOTALS</b>	15,969,283	\$ 12,887,563	0.8070

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

**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 classification includes customers counted more than once because of services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	17,015,597	(70,176)	118,768,238	(1,040,897)	13,996	(17)
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	26,157,630	733,494	169,573,926	3,042,162	2,406	(7)
5	Large Commercial C Sales	2,374,605	523,679	17,339,178	3,868,406	5	0
6	444 Municipal Sales	1,625,870	73,186	10,879,362	424,898	127	3
7	445 Street Lighting	300,000	(57,500)	1,420,635	15,854		
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales	117,899	109	969,714	2,205	211	0
11	<b>Total Sales to Ultimate Consumers</b>	47,591,601	1,202,792	318,951,053	6,312,628	16,745	(21)
12	447 Sales for Resale	12,887,564	1,250,994	15,969,283	1,482,473	9	0
13	<b>Total Sales of Electricity*</b>	60,479,165	2,453,786	334,920,336	7,795,101	16,754	(21)
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	549,282	(62,593)				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	58,449	(175,854)				
21							
22	ISP Revenues						
23	Miscellaneous Adjustments to Sales	(66,019)	(102,301)				
24							
25	Total Other Operating Revenues	541,712	(340,748)				
26	Total Electric Operating Revenue	61,020,877	2,113,038				

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

Total KWH to which applied                      316,560,704

**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS****Page 38**

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	114,166,630	\$16,376,067	0.1434	13,578	13,561
2		A1C Controlled Water Heating	4,492,682	\$624,200	0.1389	437	422
3		AS Distributed Generation	108,926	\$15,330	0.1407	13	13
4	442	G1 Small General Service	59,323,743	\$9,788,071	0.1650	2,225	2,215
5		E1 Economic Development	4,049,391	\$518,341	0.1280	1	1
6		G2 Large General Service	91,865,909	\$13,741,968	0.1496	167	169
7		H1 Commercial Heating and Cooling	14,334,883	\$2,109,250	0.1471	21	21
8		P1 Industrial	17,339,178	\$2,374,605	0.1370	5	5
9	444	MG1 Municipal	2,508,866	\$417,361	0.1664	113	113
10		MG2 Municipal	6,860,416	\$994,341	0.1449	11	11
11		MH1 Municipal	1,510,080	\$214,168	0.1418	3	3
12		Street Lighting	1,420,635	\$300,000	0.2112	1	1
14		L1 Area Lighting	969,714	\$117,899	0.1216	210	210
15							
16							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			318,951,053	47,591,601	0.1492	16,785	16,745



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Page 39

1. Enter in the space provided the operation and maintenance expenses for the year

2. If the increases and decreases are not derived from previously reported figures, explain in footnote

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	177,112	(14,882)
5	501 Fuel	0	(163,780)
6	502 Steam Expenses	602,077	(116,716)
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	779,189	(295,378)
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	369,379	(538)
16	512 Maintenance of boiler plant	159,601	(107,860)
17	513 Maintenance of electric plant	166,266	(72,751)
18	514 Maintenance of miscellaneous steam plant	77,693	(1,674)
19	Total Maintenance	772,939	(182,823)
20	Total power production expenses -steam power	1,552,128	(478,201)
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	207,506	3,507
13	547 Fuel	2,122,560	1,370,793
14	548 Generation Expenses	1,250,578	328,264
15	549 Miscellaneous other power generation expense	380,662	(61,033)
16	550 Rents	0	0
17	Total Operation	3,961,306	1,641,531
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	512,890	(150,627)
21	553 Maintenance of generating and electric plant	1,404,238	238,063
22	554 Maintenance of miscellaneous other power generation plant	90,387	1,092
23	Total Maintenance	2,007,515	88,528
24	Total power production expenses - other power	5,968,821	1,730,059
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	22,156,347	(842,395)
27	556 System control and load dispatching	0	0
28	557 Other expenses	203,904	(173,614)
29	Total other power supply expenses	22,360,251	(1,016,009)
30	Total power production expenses	29,881,200	235,849
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	906,927	906,927
35	562 Station expenses	45,750	45,750
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	952,677	952,677
42	Maintenance:		
43	568 Maintenance supervision and engineering	70,544	70,544
44	569 Maintenance of structures	141,235	141,235
45	570 Maintenance of station equipment	55,782	(33,412)
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	23,597	4,661
48	573 Maintenance of miscellaneous transmission plant	41,907	571
49	Total maintenance	333,065	183,599
50	Total transmission expenses	1,285,742	1,136,276

<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	209,134	(80,979)
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	0	0
6	583 Overhead line expenses	48,290	3,815
7	584 Underground line expenses	0	0
8	585 Street lighting and signal system expenses	161,283	10,062
9	586 Meter expenses	8,886	6,955
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	173,183	35,546
12	589 Rents	0	0
13	Total operation	600,776	(24,601)
14	Maintenance:		
15	590 Maintenance supervision and engineering	162,085	6,025
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	44,054	(33,082)
18	593 Maintenance of overhead lines	1,983,084	223,237
19	594 Maintenance of underground lines	1,164,512	235,029
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	180,809	73,297
22	597 Maintenance of meters	342,814	2,037
23	598 Maintenance of miscellaneous distribution plant	113,747	(54,212)
24	Total maintenance	3,991,105	452,331
25	Total distribution expenses	4,591,881	427,730
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	29,130	29,130
30	903 Customer records and collection expenses	736,240	(39,951)
31	904 Uncollectible accounts	(24,298)	(270,145)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	741,072	(280,966)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	655,125	(39,161)
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	655,125	(39,161)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	1,894,536	(186,069)
44	921 Office supplies and expenses	7,319	(481)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	170,200	2,859
47	924 Property insurance	1,349,512	386,925
48	925 Injuries and damages	2,740	2,740
49	926 Employee pensions and benefits	2,868,877	(4,796,854)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	352,610	(128,316)
53	931 Rents	0	0
54	Total operation	6,645,794	(4,719,196)

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	349,886		(56,952)
4	933 Transportation expense	214,927		349
5	Total administrative and general expenses	7,210,607		(4,775,799)
6	Total Electric Operation and Maintenance Expenses	44,365,627		(3,296,071)
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:	779,189	772,939	1,552,128
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	5,968,821		5,968,821
13	Other Power Supply Expenses	22,360,251		22,360,251
14	Total power production expenses	29,108,261	772,939	29,881,200
15	Transmission Expenses	1,285,742		1,285,742
16	Distribution Expenses	600,776	3,991,105	4,591,881
17	Customer Accounts Expenses	741,072		741,072
18	Sales Expenses	655,125		655,125
19	Administrative and General Expenses	6,860,721	349,886	7,210,607
20	Total Electric Operation and			
21	Maintenance Expenses	39,251,697	5,113,930	44,365,627
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)			85.64%
23	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			\$11,590,760
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

TAXES CHARGED DURING THE YEAR									
1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.			3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.				5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.		
2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts			4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.				6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.		
Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1									
2									
3									
4									
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17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	TOTALS								

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					
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48					
49					
50					
51	TOTALS				

<b>INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)</b> Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing, and contract work during the year.					
Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work				1,183,430
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	1,183,430
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	1,183,430

## 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.

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2	Hingham Municipal Light (Potter)	FP		Grove St, Braintree	RS	2,125 kW		2,125 kW
3	North Attleboro Electric Dept.(Potter)	FP		Grove St, Braintree	RS	4,800 kW		4,800 kW
4	Hingham Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
5	Concord Municipal (Watson)	FP		Grove St, Braintree	RS	10,150 kW		10,150 kW
6	Taunton Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
7	Wellesley Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
8	Reading Municipal Light (Waston)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
9	Chicopee Electric Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
10	New Hampshire Electric Coop (Watson)	FP		Grove St, Braintree	RS	13,050 kW		13,050 kW
11								
12								
13								
14								
15								
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42								



## 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
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								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).

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2	MMWEC Seabrook	FP	X	Grove St., Braintree	RS	7 kW		7 kW
3	MMWEC NYPA	FP	X	Grove St., Braintree	RS	3 kW		3 kW
4	Energy New England, L.L.C.	EX		Grove St., Braintree	RS			
5	ISO New England Interchange	EX		Grove St., Braintree	RS			
6	Hydro Quebec (through ISO-NE)	FP	X	Grove St., Braintree	RS	6 kW		6 kW
7								
8								
9								
10								
11								
12								
13								
14								
15								
16	Entitlement in Taunton							
17	Cleary 9 Unit ended 12/31/13							
18								
19								
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21								
22								
23								
24								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41	** Includes transmission and administrative charges and decommissioning							
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.			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).					
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			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
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								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	0

## B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13			0
14			0
15			
16			
17			
18			
19			
20			
21	TOTAL		0

**ELECTRIC ENERGY ACCOUNT**

Report below the information called for concerning the disposition of electric energy generated, purchased and interchanged for the year.

Line. No.	Item (a)	Kilowatt-hours (b)
1	<b>SOURCES OF ENERGY</b>	
2	Generation	
3	Steam Gas Turbine Combined Cycle	22,813,260
4	Nuclear	
5	Hydro	
6	Other Diesel, Fuel Cell	0
7	Total Generation	22,813,260
8	Purchases	328,863,961
9	( In (gross)	0
10	Interchanges < Out (gross)	4,290,250
11	( Net (Kwh)	(4,290,250)
12	( Received	
13	Transmission for/by others (wheeling) < Delivered	
14	( Net (Kwh)	
15	<b>TOTAL</b>	<b>347,386,971</b>
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales)	318,951,053
18	Sales for resale	15,969,283
19	Energy furnished without charge (station use)	3,300,253
20	Energy used by the company (excluding station use):	
21	Electric department only	1,191,839
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses	
25	Unaccounted for losses 2.30%	7,974,543
26	Total energy losses	7,974,543
27	Energy losses as percent of total on line 15	
28	<b>TOTAL</b>	<b>347,386,971</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	57,750	Fri	29	1:00pm	60 min	31,333,837
30	February	54,470	Mon	1	12:00pm	"	29,589,194
31	March	51,200	Tue	2	12:00pm	"	27,728,518
32	April	41,000	Mon	5	1:00pm	"	24,788,484
33	May	54,690	Wed	26	3:00pm	"	24,176,846
34	June	79,610	Tue	29	2:00pm	"	32,078,304
35	July	72,590	Fri	16	3:00pm	"	31,706,669
36	August	75,420	Fri	13	3:00pm	"	36,155,056
37	September	59,600	Wed	15	3:00pm	"	27,278,722
38	October	42,310	Thu	14	4:00pm	"	25,720,747
39	November	47,150	Tue	30	5:00pm	"	26,425,475
40	December	51,060	Wed	22	6:00pm	"	30,405,119
41						<b>TOTAL</b>	<b>347,386,971</b>

GENERATING STATION STATISTICS (Large Stations)

(Except Nuclear, See Instruction 10)

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

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

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

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

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

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

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

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
		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
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	\$0
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	\$0
33	Expenses per net Kwh (5 places)	0.0000	0.0000	0.0000
34	Fuel: Kind			Oil
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42	Station was	Diesel Unit was	bbls.
36	gals.) (Gas-M cu. ft.) (Nuclear, indicate)	Demolished and	Demolished and	
37	Quantity (units) of fuel consumed	Removed in 2007	Removed in 2018	0
38	Average heat content of fuel (B.t.u. per lb. of coal,			
39	per gal. of oil, or per cu. ft. of gas)			140,000
40	Average cost of fuel per unit, del. f.o.b. plant			0.00
41	Average cost of fuel per unit consumed			0.00
42	Average cost of fuel consumed per million B.t.u.			0.00
43	Average cost of fuel consumed per kwh net gen.			0.00000
44	Average B.t.u. per kwh net generation			
45				Unit did not run on oil in 2021
46				Threw blade on 6/30/2020

**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."

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

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
0.00	177.54	93.85	181.87	84.18		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
0	7,161,650	3,941,150	8,092,240	3,618,220		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
\$0	\$432,173	\$646,821	\$469,128	\$574,437		25
						26
						27
						28
						29
						30
						31
<b>\$0.00</b>	<b>\$432,173.00</b>	<b>\$646,821.00</b>	<b>\$469,128.00</b>	<b>\$574,437.00</b>		32
<b>#DIV/0!</b>	<b>0.06035</b>	<b>0.16412</b>	<b>0.05797</b>	<b>0.15876</b>		33
Gas	Gas	Oil	Gas	Oil		34
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		35
						36
0	55,877	10,373	64,372	7,178		37
						38
1,036.24	1036.24		1036.24			39
0.00	7.73	62.36	7.29	80.03		40
0.00	7.73	62.36	7.29	80.03		41
						42
0.00000	0.06035	0.16412	0.05797	0.15876		43
						44
Unit did not run on gas in 2021						45
Threw blade on 6/30/2020						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		Potter 2 threw a turbine blade on June 30, 2020 during testing causing catastrophic damage to the turbine / rotor					
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						
				(h)	(l)	(j)	(k)				
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
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											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	*** NONE ***						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
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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. (i)	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
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										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				
			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							
7							
8							
9							
10							
11							
12							
13							
14							
15							
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31							
32							
33							
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35							
36							
37							
38							
39							

Note: Diesel was retired from ISO Market System as of May 1, 2014  
Used in emergency situations only

Diesel unit was electrically disconnected in December 2017 and was  
scrapped in April 2018

COMBUSTION ENGINE AND OTHER GENERATING STATIONS - Continued

(except nuclear stations)

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

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

Specify whether lessee is an associated company.

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

Prime Movers -- Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Rated hp. of Unit  (h)	Total Rated hp. of Station Prime Movers  (l)	Year Installed  (j)	Voltage  (k)	Phase  (l)	Frequency or d.c.  (m)	Name Plate Rating of Unit in Kilowatts  (n)	Number of Units in Station  (o)		
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
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									28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
TOTALS								0	39

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.

Line No.	Name of Plant  (a)	Year Const.  (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0 (l)
								Labor (h)	Fuel (l)	Other (j)		
1	*** NOT APPLICABLE ***											
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
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22												
23												
24												
25												
26												
27												
28												
	TOTALS											

**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	* Replaced T2 at station 4 in 2018										
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	104.58			104.58
2	Added During Year	0.00			0.00
3	Retired During Year	0.00			0.00
4	Miles - End of Year	104.58			104.58
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:	12,546	17,674	2,388	318,721
17	Additions during year:				
18	Purchased		400	152	29,926
19	Installed	51	179	46	11,410
20	Associated with utility plant acquired				
21	Total Additions	51	579	198	41,336
22	Reductions during year:				
23	Retirements	8	74	31	3,993
24	Associated with utility plant sold				
25	Total Reductions	8	74	31	3,993
26	Number at end of year	12,589	18,179	2,555	356,064
27	In stock		400	152	29,925
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		17,779	2,403	326,139
31	In company's use				
32	Number at end of year		18,179	2,555	356,064

\*

<b>CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)</b>						
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.						
Line	Designation of Underground System	Miles of Conduit Bank (All Sizes and Types)	Underground Cable		Submarine Cable	
No.	(a)	(b)	Miles *	Operating Voltage	Feet *	Operating Voltage
			(c)	(d)	(e)	(f)
1	UNDERGROUND DISTRIBUTION SYSTEM	47.50	62.04	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	47.50	0.00	62.04	0	0

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		LED Streetlights		PWED's		High Press. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	LED (g)	METAL HALIDE (h)	Municipal (i)	Other (j)
1	Braintree	4,157	35		3,906		67	149	0	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
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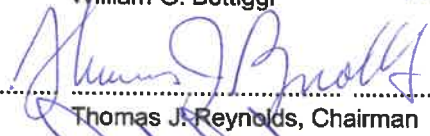
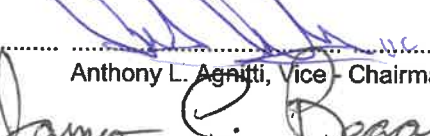
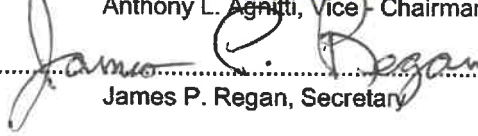
Note: BELD began to install new LED Streetlights in town beginning near end of 2015 and completed instalation in fall of 2017

**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 2021*****		

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

.....	Mayor
	
William G. Bottiggi	Manager of Electric Light
.....	)
	
Thomas J. Reynolds, Chairman	
.....	
	
Anthony L. Agnitti, Vice - Chairman	Selectmen
.....	or
	Members
James P. Regan, Secretary	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		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

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