

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the Town of Marblehead

to the

Department of Public Utilities

of Massachusetts

For Year Ended December 31, 2021

Name of officer to whom correspondence should
be addressed regarding this report:
Official title: General Manager

Joseph T. Kowalik
Office address: P.O. Box 369
80 Commercial Street
Marblehead, MA 01945

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FOR GAS PLANTS ONLY:

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GENERAL INFORMATION**Page 3**

- | | | |
|-----|--|-----------------|
| 1. | Name of town (or city) making report. | Marblehead |
| 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, ; No, Second vote: Yes, ; No,
Date when town (or city) began to sell gas and electricity, | |
| 3. | Name and address of manager of municipal lighting: | |
| | Joseph T. Kowalik 80 Commercial Street Marblehead, MA 01945 | |
| 4. | Name and address of mayor or selectmen: | |
| | Jackie Belf-Becker Abbot Hall Marblehead, MA 01945 | |
| | M.C. Moses Grader Abbot Hall Marblehead, MA 01945 | |
| | Erin Noonan Abbot Hall Marblehead, MA 01945 | |
| | James E. Nye Abbot Hall Marblehead, MA 01945 | |
| | Alexa Singer Abbot Hall Marblehead, MA 01945 | |
| 5. | Name and address of town (or city) treasurer: | |
| | Michael Carritte Widger Road Marblehead, MA 01945 | |
| 6. | Name and address of town (or city) clerk: | |
| | Robin A. Michaud Abbot Hall Marblehead, MA 01945 | |
| 7. | Names and addresses of members of municipal light board: | |
| | Michael A. Hull 81 Bayview Road Marblehead, MA 01945 | |
| | Simon Frechette 50 Rockaway Avenue Marblehead, MA 01945 | |
| | Jean-Jacques Yarmoff 6 Lookout Court Marblehead, MA 01945 | |
| | Karl A. Johnson 25 Reed Street Marblehead, MA 01945 | |
| | Lisa Wolf 66 Pitman Road Marblehead, MA 01945 | |
| 8. | Total valuation of estates in town (or city) according to last State valuation (taxable) | \$7,260,432,228 |
| 9. | Tax rate for all purposes during the year: | |
| | Residential | \$10.52 |
| | Open Space | \$0.00 |
| | Commercial/Industrial/Personal Property | \$10.52 |
| 10. | Amount of manager's salary: | \$189,000.00 |
| 11. | Amount of manager's bond: | \$0.00 |
| 12. | Amount of salary paid to members of municipal light board (each): | \$0.00 |

**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 INCOME FROM PRIVATE CONSUMERS:		
2 From sales of gas		
3 From sales of electricity		19,007,000.00
4	TOTAL	19,007,000.00
5 EXPENSES		
6 For operation, maintenance and repairs		17,757,000.00
7 For interest on bonds, notes or scrip		
8 For depreciation fund (3% on 41,655,678.41 as per page 8 B)		1,250,000.00
9 For sinking fund requirements		
10 For note payments		
11 For bond payments		
12 For loss in preceding year		
13	TOTAL	19,007,000.00
14 COST:		
15 Of gas to be used for municipal buildings		
16 Of gas to be used for street lights		
17 Of electricity to be used for municipal buildings		900,000.00
18 Of electricity to be used for street lights		141,100.00
19 Total of above items to be included in the tax levy		1,041,100.00
20		
21 New construction to be included in the tax levy		
22 Total amounts to be included in the tax levy		1,041,100.00
23		

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
NONE		Marblehead	10,296
TOTAL	0	TOTAL	10,296

APPROPRIATIONS SINCE BEGINNING OF YEAR

(Include also all items charged 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 0.00

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

- | | |
|------------------------|------------|
| 1. Street lights | 140,183.91 |
| 2. Municipal buildings | 863,965.57 |
| 3. | |

TOTAL 1,004,149.48

* Date of meeting and whether regular or special

** Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

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

In electric property:

- * MMLD finalized the design and installation of new underground electrical service to the new Brown Elementary School from Cornell and Dartmouth Roads.
- * MMLD worked the Brown School architect, contractor, Mhd School Dept. and Brown new school committee to ensure the future design and installation of solar PV arrays on the school roof will maximize the renewable power generated at the lowest possible system installation cost.
- * MMLD collaborated with the Brown School contractor and Voltrek Inc, a local EV Charger installer, to design and install underground conduit at the Brown School parking lot to accommodate the future installation of 16 electric vehicle charging spaces.
- * The MMLD Board voted to approve MMLD's participation and ownership in an MMWEC-proposed 6.9 MW solar PV power generation project in Ludlow, Mass. MMLD's ownership share of .75 MW is expected to generate 1.5 MWh of energy per year, which represents 1.4% of MMLD's 2021 annual electric demand.
- * Working in collaboration with the Marblehead Public Works Dept. and local EV Charger installer Voltrek Inc, Level 2 EV Charging capacity for eight cars was installed installed at two public locations: the Mary Alley Municipal Building and the Roundhouse Road parking lots. Each site has the potential to be expanded to 10 parking spaces.
- * Nine new traditional-styled LED street light poles were installed on the Marblehead Causeway to replace storm-damaged high pressure sodium lights.
- * The Mhd School Dept. transferred the care, custody and control of a 6.5 acre open space parcel along Tioga Way for future MMLD needs, including a new distribution system storage facility and a behind-the-meter battery electric storage system.
- * 49 new utility poles were replaced or added: 40 poles were preventive maintenance, six involved new projects or locations, and three were storm damage replacements.

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
03/04/1894	07/01/1894	50,000.00				
03/03/1908	07/01/1908	6,000.00				
10/29/1909	11/01/1909	30,000.00				
03/15/1973	11/15/1973	760,000.00	75,000.00	November 15	4.4	May 15 & Nov 15
03/03/1974	01/01/1975	477,891.00		Initial MMWEC Bonding - Transferred to MMWEC July 1978		NONE
	TOTAL	1,323,891.00			TOTAL	NONE

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	303 Misc Intangible Plant - Trans	2,327,602.99					2,327,602.99
3							
4		2,327,602.99	0.00	0.00	0.00	0.00	2,327,602.99
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
14	Total Steam Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
15	B. Nuclear Production Plant						
16	320 Land and Land Rights						
17	321 Structures and Improvements						
18	322 Reactor Plant Equipment						
19	323 Turbogenerator Units						
20	324 Accessory Electric Equipment						
21	325 Miscellaneous Power Plant Equipment						
22	Total Nuclear Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
23							

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	0.00	0.00	0.00	0.00	0.00	0.00
10	D. Other Production Plant						
11	340 Land and Land Rights	10,696.49					10,696.49
12	341 Structures and Improvements	312,769.33					312,769.33
13	342 Fuel Holders, Producers and Accessories	62,164.53					62,164.53
14	343 Prime Movers	1,569,991.41					1,569,991.41
15	344 Generators	668,569.10					668,569.10
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	2,624,190.86	0.00	0.00	0.00	0.00	2,624,190.86
19	Total Production Plant	2,624,190.86	0.00	0.00	0.00	0.00	2,624,190.86
20	3. Transmission Plant						
21	350 Land and Land Rights	40,900.00					40,900.00
22	351 Clearing Land and Rights of Way	1,851.50					1,851.50
23	352 Structures and Improvements	42,849.54					42,849.54
24	353 Station Equipment	35,999.02					35,999.02
25	354 Towers and Fixtures	240.78					240.78
26	355 Poles and Fixtures	55,174.33					55,174.33
27	356 Overhead Conductors and Devices	425,570.20					425,570.20
28	357 Underground Conduit	842,113.32					842,113.32
29	358 Underground Conductors and Devices	290,170.78					290,170.78
30	359 Roads and Trails						
31	Total Transmission Plant	1,734,869.47	0.00	0.00	0.00	0.00	1,734,869.47

TOTAL COST OF PLANT (Concluded)						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT					
2	360 Land and Land Rights	500.00				500.00
3	361 Structures and Improvements	1,058,690.30				1,058,690.30
4	362 Station Equipment	5,460,959.46				5,460,959.46
5	363 Storage Battery Equipment	56,271.05	13,634.74			69,905.79
6	364 Poles Towers and Fixtures	2,399,695.02	70,856.58	27,038.82		2,443,512.78
7	365 Overhead Conductors and Devices	3,726,257.09	188,011.06	65,857.20		3,848,410.95
8	366 Underground Conduit	2,395,789.22	40,271.63			2,436,060.85
9	367 Underground Conductors and Devices	2,558,455.70	25,833.29	7,208.16		2,577,080.83
10	368 Line Transformers	1,701,468.24	57,453.73	21,537.57		1,737,384.40
11	369 Services	774,334.59	50,061.72	23,230.04		801,166.27
12	370 Meters	2,912,194.41	21,728.87	16,432.62		2,917,490.66
13	371 Installations on Customer's Premises	78,203.70				78,203.70
14	372 Leased Prop on Customer's Premises		49,459.09	1,171.80		384,091.54
15	373 Streetlight and Signal Systems		517,310.71	162,476.21	0.00	23,813,457.53
16	Total Distribution Plant	23,458,623.03				
17	5. GENERAL PLANT					
18	389 Land and Land Rights					
19	390 Structures and Improvements	9,077,101.98	4,356.00			9,081,457.98
20	391 Office Furniture and Equipment	719,118.69	23,410.08			742,528.77
21	392 Transportation Equipment	1,154,050.95				1,154,050.95
22	393 Stores Equipment					
23	394 Tools, Shop and Garage Equipment					
24	395 Laboratory Equipment					
25	396 Power Operated Equipment					
26	397 Communication Equipment	185,483.46				185,483.46
27	398 Miscellaneous Equipment	2,359.63	43,624.76			45,984.39
28	399 Other Tangible Property					
29	Total General Plant	11,138,114.71	71,390.84	0.00	0.00	11,209,505.55
30	Total Electric Plant in Service	41,283,401.06	588,701.55	162,476.21	0.00	41,709,626.40
31					Total Cost of Electric Plant.....	41,709,626.40
32					Less Cost of Land, Land Rights, Rights of Way.....	53,947.99
33					Total Cost upon which Depreciation is based	41,655,678.41
34						

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

PAGE 9 IS A NOTE ONLY PAGE

Note

- 1

Profit Rate 2021:

3.1004%
- Net Profit (page 12 Col F Line 47) divided by Total Cost of Electric Plant in Service (page 8B Col J Line 106)

1,293,178.05

41,709,626.40
- 2

Estimated Maximum Profit Allowed for 202

3,336,770.11
- Total Cost of Electric Plant in Service (page 8 Col J Line 106) X Eight Per Cent
- 3

Depreciation for 2021 at 3 Per Cent:

1,249,670.35
- Total Cost of Electric Plant in Service Less Cost of Land and Land Rights-Of -Way (page 8 Col J Line 109) X Three Per Cent

Quarterly Transfer for Depreciation

312,417.59

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)	17,825,376.74	16,352,605.69	(1,472,771.05)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	17,825,376.74	16,352,605.69	(1,472,771.05)
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			
13	126	Depreciation Fund (P. 14)	8,085,152.70	9,614,060.92	1,528,908.22
14	128	Other Special Funds	2,478,222.82	2,476,270.03	(1,952.79)
15		Total Funds	10,563,375.52	12,090,330.95	1,526,955.43
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	5,227,059.06	6,046,779.06	819,720.00
18	132	Special Deposits	221,606.50	230,669.50	9,063.00
19	135	Working Funds	500.00	500.00	0.00
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	2,906,227.93	1,762,090.68	(1,144,137.25)
22	143	Other Accounts Receivable		943,410.90	
23	146	Receivables from Municipality	112,432.99	100,453.57	(11,979.42)
24	151	Materials and Supplies (P. 14)	164,558.23	156,452.27	(8,105.96)
25	171	Interest & Dividend Receivable	0.00	0.00	0.00
26	165	Prepayments	2,379,355.50	2,349,398.14	(29,957.36)
27	174	Miscellaneous Current Assets			
28		Total Current and Accrued Assets	11,011,740.21	11,589,754.12	(365,396.99)
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,702,371.00	1,883,297.00	180,926.00
33		Total Deferred Debits	1,702,371.00	1,883,297.00	180,926.00
34					
35		Total Assets and Other Debits	41,102,863.47	41,915,987.76	813,124.29

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	NONE	NONE	NONE
3		SURPLUS			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment			
6	207	Appropriations for Construction Repayments			
7	208	Unappropriated Earned Surplus (P. 12)	15,996,159.70	16,959,337.75	963,178.05
8	229	Reserve for Rate Stabilization	900,000.00	900,000.00	
9	229-1	MMWEC Reserve Trust	540,437.74	537,204.70	
10		Total Surplus	17,436,597.44	18,396,542.45	959,945.01
11		LONG TERM DEBT			
12	221	Bonds (P. 6)	4,580,756.68	4,297,095.37	(283,661.31)
13	231	Notes Payable (P. 7)			
14		Total Bonds and Notes	4,580,756.68	4,297,095.37	NONE
15		CURRENT AND ACCRUED LIABILITIES			
16	232	Accounts Payable	1,610,428.55	1,903,106.06	292,677.51
17	232	Pension Liability	6,799,029.00	6,368,556.00	
18	265	OPEB Liability	6,233,513.00	6,364,651.00	
19	234	Payables to Municipality (Water)			
20	235	Customers' Deposits	219,906.50	225,869.50	5,963.00
21	236	Taxes Accrued			
22	237	Interest Accrued			
23	242	Miscellaneous Current and Accrued Liabilities			
24		Total Current and Accrued Liabilities	14,862,877.05	14,862,182.56	(694.49)
25		DEFERRED CREDITS			
26	251	Unamortized Premium on Debt			
27	232	Other - Deferred Inflow Pensions	816,538.00	977,501.00	160,963
28	232	Other - Deferred Inflow OPEB	2,671,482.00	2,681,858.00	10,376
29		Total Deferred Credits	3,488,020.00	3,659,359.00	171,339.00
30		RESERVES			
31	260	Reserves for Uncollectible Accounts	434,805.14	405,051.57	(29,753.57)
32	261	Property Insurance Reserve			
33	262	Injuries and Damages Reserves			
34	263	Pensions and Benefits Reserves	106,108.07	95,797.35	(10,310.72)
35	265	Miscellaneous Operating Reserves	0.00	0.00	0.00
36		Total Reserves	540,913.21	500,848.92	(40,064.29)
37		CONTRIBUTIONS IN AID OF			
38		CONSTRUCTION			
39	271	Contributions in Aid of Construction	193,699.09	199,959.46	6,260.37
40		Total Liabilities and Other Credits	41,102,863.47	41,915,987.76	813,124.29

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)	17,937,755.23	494,059.37
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	13,032,425.58	515,783.79
5	402 Maintenance Expense	1,424,522.92	57,738.49
6	403 Depreciation Expense	2,051,787.66	18,926.40
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	16,508,736.16	592,448.68
11	Operating Income	1,429,019.07	(98,389.31)
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	1,429,019.07	(98,389.31)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	-	-
17	419 Interest Income	8,257.03	(42,752.90)
18	421 Miscellaneous Nonoperating Income (P. 21)		
19	Total Other Income	8,257.03	(42,752.90)
20	Total Income	1,437,276.10	(141,142.21)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions	0.00	(5,000.00)
24	Total Income Deductions	-	(5,000.00)
25	Income Before Interest Charges	1,437,276.10	(136,142.21)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	144,098.05	(9,023.30)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit		
30	431 Other Interest Expense		
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	144,098.05	(9,023.30)
33	NET INCOME	1,293,178.05	(127,118.91)

EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		15,996,159.70
35			
36			
37	433 Balance Transferred from Income		1,293,178.05
38	434 Miscellaneous Credits to Surplus (P. 21)		0.00
39	435 Miscellaneous Debits to Surplus (P. 21)	-	
40	436 Appropriations of Surplus (P. 21)	330,000.00	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	16,959,337.75	
43			
44	TOTALS	17,289,337.75	17,289,337.75

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operation Fund	6,027,870.18	
2	Interest Fund		
3	Bond Fund		
4	Construction Fund	18,908.88	
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	6,046,779.06	
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)	21,350.50	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	135,101.77	
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	156,452.27	
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	8,085,152.70	
26	Income during year from balance on deposit (interest)	9,980.98	
27	Amount transferred from income (depreciation)	1,236,883.56	
28	Adjustment: Accounts Payable 12/31/2021	11,537.28	
29	Y/E Transfer From Operating Cash	824,589.04	
30	Construction in progress Brown	15,945.31	
31	TOTAL	10,184,088.87	
32	CREDITS		
33	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)		
34	Amounts expended for renewals,viz:-	563,701.55	
35	Adjustment: Accounts Payable 12/31/2120	6,326.40	
36			
37			
38			
39			
40			
41	Balance on hand at end of year	9,614,060.92	
42	TOTAL	10,184,088.87	

		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						
2	303 Misc Intangible Plant Transmission						
3							
4		-	0.00	-	0.00	0.00	0.00
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines and Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
23	Total Nuclear Production Plant						

UTILITY PLANT - ELECTRIC (Continued)						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)
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	0.00	0.00	0.00	0.00	0.00
10	D. Other Production Plant					
11	340 Land and Land Rights	10,696.49				10,696.49
12	341 Structures and Improvements	0.00				0.00
13	342 Fuel Holders, Producers and Accessories	0.00				0.00
14	343 Prime Movers	1,126,847.90		78,499.57		1,048,348.33
15	344 Generators	0.00				0.00
16	345 Accessory Electric Equipment					
17	346 Miscellaneous Power Plant Equipment					
18	Total Other Production Plant	1,137,544.39	0.00	78,499.57	0.00	1,059,044.82
19	Total Production Plant	1,137,544.39	0.00	78,499.57	0.00	1,059,044.82
20	3. Transmission Plant					
21	350 Land and Land Rights	40,900.00				40,900.00
22	351 Clearing Land and Rights of Way	1,851.50				1,851.50
23	352 Structures and Improvements	0.00				-
24	353 Station Equipment	0.00				0.00
25	354 Towers and Fixtures	0.00				-
26	355 Poles and Fixtures	0.00				0.00
27	356 Overhead Conductors and Devices	8,760.05		8,760.05		-
28	357 Underground Conduit	107,247.38		42,105.67		65,141.71
29	358 Underground Conductors and Devices	3,817.61		3,817.61		(0.00)
30	359 Roads and Trails					
31	Total Transmission Plant	162,576.54	0.00	54,683.33	0.00	107,893.21

UTILITY PLANT -- ELECTRIC (Continued)						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)
1	4. DISTRIBUTION PLANT					
2	360 Land and Land Rights	500.00				500.00
3	361 Structures and Improvements	362,129.91		52,934.52		309,195.39
4	362 Station Equipment	1,238,197.91		319,756.18		918,441.73
5	363 Storage Battery Equipment	23,961.60	13,634.74	2,813.55		34,782.79
6	364 Poles Towers and Fixtures	181,183.59	70,856.58	140,509.75		111,530.42
7	365 Overhead Conductors and Devices	1,965,955.28	188,011.06	218,184.16		1,935,782.18
8	366 Underground Conduit	339,058.92	40,271.63	140,281.05		239,049.50
9	367 Underground Conductors and Devices	452,124.56	25,833.29	149,805.69		328,152.16
10	368 Line Transformers	823,674.11	57,453.73	85,073.41		796,054.43
11	369 Services	363,821.06	50,061.72	38,716.73		375,166.05
12	370 Meters	2,145,073.43	21,728.87	170,518.21		1,996,284.09
13	371 Installations on Customer's Premises			-		-
14	372 Leased Prop on Customer's Premises					
15	373 Streetlight and Signal Systems					
16	Total Distribution Plant	339,390.73	49,459.09	16,790.21		372,059.61
17	5. GENERAL PLANT	8,235,071.10	517,310.71	1,335,383.46	0.00	7,416,998.35
18	389 Land and Land Rights					
19	390 Structures and Improvements	8,036,634.73	4,356.00	453,855.10		7,587,135.63
20	391 Office Furniture and Equipment	0.00	23,410.08	23,410.08		0.00
21	392 Transportation Equipment	251,190.35	-	115,405.10		135,785.25
22	393 Stores Equipment					
23	394 Tools, Shop and Garage Equipment					
24	395 Laboratory Equipment					
25	396 Power Operated Equipment					
26	397 Communication Equipment	0.00	-			0.00
27	398 Miscellaneous Equipment	2,359.63	43,624.76	235.96		45,748.43
28	399 Other Tangible Property					
29	Total General Plant	8,290,184.71	71,390.84	592,906.24	0.00	7,768,669.31
30	Total Electric Plant in Service	17,825,376.74	588,701.55	2,061,472.60	0.00	16,352,605.69
31	104 Utility Plant Leased to Others					
32	105 Property Held for Future Use					
33	107 Construction Work in Progress	0.00			0.00	0.00
34	Total Utility Plant Electric	17,825,376.74	588,701.55	2,061,472.60	0.00	16,352,605.69

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	24,106.74	10,927.00		
2	Received During Year	0.00	0.00		
3	TOTAL	24,106.74	10,927.00		
4	Used During Year (Note A)				
5	For Heating	0.00	0.00		
6	For Generation	2,756.24	1,249.50		
7					
8					
9					
10					
11	Sold or Transferred				
12	TOTAL DISPOSED OF	2,756.24	1,249.50		
13	BALANCE END OF YEAR	21,350.50	9,677.50		
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.

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	TOTAL	0.00
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0.00
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0.00
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	0.00
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	April 2021 Commission voted In Lieu of Tax Payment - Town of Marblehead	330,000.00
35		
36		
37		
38		
39		
40	TOTAL	330,000.00

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		Not Applicable				
2						
3						
4		TOTALS				
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5						
6	444	Municipal	5,316,534	863,965.57	0.1625	
7						
8						
9		Street Lighting	875,439	140,183.91	0.1601	
10						
11						
12		TOTALS	6,191,973	1,004,149.48	0.1622	
13						
14						
15						
16						
17						
18		TOTALS	0	0.00		
19		TOTALS	6,191,973	1,004,149.48	0.1622	
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	See Pages 54 & 55					
21						
22						
23						
24						
25						
26						
27						
28						
29			TOTALS	0	0.00	
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)
30	See Pages 52 & 53					
31						
32						
33						
34						
35						
36						
37						
38						
39			TOTALS	0	0.00	

Annual Report of the Town of Waterville										
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 shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.										
Operating Revenues										
Kilowatt-hours Sold										
Customers per Month										
Line No.	Account (a)	Amount for Year (b)	Previous Year	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Previous Year	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Previous Year	Increase or (Decrease) from Preceding Year (g)
SALES OF ELECTRICITY										
1	449 Miscellaneous Electric Sales	0.00	0.00	0.00	0 0	0 0	0	0	0	0
2	440 Residential Sales	13,140,509.25	12,999,708.50	140,800.75	74,661,941	74,188,540	473,401	8,874	8,884	(10)
3	Storage Heat	8,987.57	13,809.64	(4,822.07)	64,409	101,734	(37,325)	9	9	0
4	442 Commercial and Industrial Sales	1,926,593.91	1,725,757.85	200,836.06	10,065,259	9,144,729	920,530	1,250	1,224	26
5	Small Commercial B Sales	1,711,244.84	1,680,467.62	30,777.22	11,016,462	10,614,841	401,621	58	70	(12)
6	Large Commercial C Sales	863,965.57	848,709.73	17,255.84	5,316,534	5,304,031	12,503	87	86	1
7	444 Municipal Sales	30,178.97	30,459.13	(280.16)	141,616	135,301	6,315	83	83	0
8	Private Area Lights	35,120.17	38,783.79	(3,663.62)	231,411	258,499	(27,088)	89	94	(5)
9	Hot Water	287.77	296.83	(9.06)	1,353	1,403	(50)	1	1	0
10	Off Peak	140,183.91	141,016.03	(832.12)	875,439	875,439	0	1	1	0
11	Street Lighting	17,857,071.96	17,477,009.12	380,062.84	102,374,424	100,624,517	1,749,907	10,452	10,452	0
12	Total Sales to Ultimate Consumers	0.00	0.00	0.00	0	0	0	1	1	0
13	447 Sales for Resale	17,857,071.96	17,477,009.12	380,062.84	102,374,424	100,624,517	1,749,907	10,453	10,453	0
Total Sales of Electricity										
14	OTHER OPERATING REVENUES									
15	449-1 Provision For Rate Stabilization	0.00	0.00	0.00						
16	451 Miscellaneous Service Revenues	53,374.35	66,136.74	(12,762.39)						
17	451 FEMA Reimbursement Lead Mills		(99,450.00)							
18	453 Sales of Water and Water Power									
19	454 Rent from Electric Property									
20	455 Interdepartmental Rents									
21	456 Other Electric Revenues	2,308.92								
22	444-1 EV Charging Stations	25,000.00								
23	415-2 EV Charging Grant									
24	Total Other Operating Revenues	80,683.27	(33,313.26)	(12,762.39)						
25	Total Electric Operating Revenue	17,937,755.23	17,443,695.86	367,300.45						
26										
* Includes revenue application of fuel clauses \$										* Includes revenues from application of fuel
Total KWH to wh										101,498,985

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	4	Residential	74,661,941	13,140,509.25	0.1760	8,877	8,870
2	13	Storage Heat	64,409	8,987.57	0.1395	9	9
3	5	Commercial	10,065,259	1,926,593.91	0.1914	1,246	1,253
4	6	Industrial	11,016,462	1,711,244.84	0.1553	59	57
5	9	Private Area St Lighting	141,616	30,178.97	0.2131	83	83
6	10	Hot Water	231,411	35,120.17	0.1518	89	88
7	3	Off Peak	1,353	287.77	0.2127	1	1
8	M	Municipal	5,316,534	863,965.57	0.1625	88	85
9	SL	Street Lighting	875,439	140,183.91	0.1601	1	1
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			102,374,424	17,857,071.96	0.1744	10,453	10,447

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		
5	501 Fuel		
6	502 Steam Expenses		
7	503 Steam from other sources		
8	504 Steam transferred -- Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	Total Operation	0.00	0.00
13	Maintenance:		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of Structures		
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	Total Maintenance	0.00	0.00
20	Total power production expenses -steam power	0.00	0.00
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam Expenses		
27	521 Steam from other sources		
28	522 Steam transferred -- Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	Total Operation	0.00	0.00
33	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of Structures		
36	530 Maintenance of reactor plant		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	Total Maintenance	0.00	0.00
40	Total power production expenses -nuclear power	0.00	0.00
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses		
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	Total Operation	0.00	0.00

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		
4	542 Maintenance of structures		
5	543 Maintenance of reservoirs, dams and waterways		
6	544 Maintenance of electric plant		
7	545 Maintenance of miscellaneous hydraulic plant		
8	Total maintenance	NONE	NONE
9	Total power production expenses - hydraulic power	NONE	NONE
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering		
13	547 Fuel	2,756.24	(1,565.63)
14	548 Generation Expenses	0.00	-
15	549 Miscellaneous other power generation expense	4,557.43	215.72
16	550 Rents		
17	Total Operation	7,313.67	(1,349.91)
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21	553 Maintenance of generating and electric plant		
22	554 Maintenance of miscellaneous other power generation plant	113,222.69	6,092.90
23	Total Maintenance	113,222.69	6,092.90
24	Total power production expenses - other power	120,536.36	4,742.99
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	7,716,987.68	1,077,286.48
27	556 System control and load dispatching		
28	557 Other expenses	2,771,625.68	111,984.57
29	Total other power supply expenses	10,488,613.36	1,189,271.05
30	Total power production expenses	10,609,149.72	1,194,014.04
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering		
34	561 Load dispatching		
35	562 Station expenses		
36	563 Overhead line expenses		
37	564 Underground line expenses		
38	565 Transmission of electricity by others		
39	566 Miscellaneous transmission expenses		
40	567 Rents		
41	Total Operation	NONE	NONE
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines	0.00	0.00
47	572 Maintenance of underground lines		
48	573 Maintenance of miscellaneous transmission plant		
49	Total maintenance	0.00	0.00
50	Total transmission expenses	0.00	0.00

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		
4	581 Load dispatching (Operation Labor)		
5	582 Station expenses	70,684.28	4,680.85
6	583 Overhead line expenses		
7	584 Underground line expenses		
8	585 Street lighting and signal system expenses	25,810.91	9,048.02
9	586 Meter expenses	84,149.80	(4,542.18)
10	587 Customer installations expenses	39,009.95	(3,425.83)
11	588 Miscellaneous distribution expenses	160,020.70	(59,799.09)
12	589 Rents		
13	Total operation	379,675.64	(54,038.23)
14	Maintenance:		
15	590 Maintenance supervision and engineering		
16	591 Maintenance of structures	0.00	-
17	592 Maintenance of station equipment	55,931.01	(27,270.35)
18	593 Maintenance of overhead lines	1,033,374.30	47,078.63
19	594 Maintenance of underground lines	101,805.37	19,626.46
20	595 Maintenance of line transformers	3,989.06	6,360.01
21	596 Maintenance of street lighting and signal systems		
22	597 Maintenance of meters	17,518.39	467.80
23	598 Maintenance of miscellaneous distribution plant		
24	Total maintenance	1,212,618.13	46,262.55
25	Total distribution expenses	1,592,293.77	(7,775.68)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	118,397.15	52,112.80
29	902 Meter reading expenses	39,018.26	(3,417.52)
30	903 Customer records and collection expenses	208,935.25	(54,959.98)
31	904 Uncollectible accounts	14,193.22	(136,568.54)
32	905 Miscellaneous customer accounts expenses	964.73	(3,207.89)
33	Total customer accounts expenses	381,508.61	(146,041.13)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision		
37	912 Demonstrating and selling expenses		
38	913 Advertising expenses	165,921.29	15,243.82
39	916 Miscellaneous sales expenses		
40	Total sales expenses	165,921.29	15,243.82
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	178,323.02	(6,929.43)
44	921 Office supplies and expenses	268,046.17	3,666.01
45	922 Administrative expenses transferred - Cr		
46	923 Outside services employed	175,581.44	60,129.36
47	924 Property insurance	33,870.11	(183.10)
48	925 Injuries and damages	4,517.50	47.19
49	926 Employee pensions and benefits	859,925.63	(566,399.19)
50	928 Regulatory commission expenses		
51	929 Store Expense		
52	930 Miscellaneous general expenses	86,039.14	26,478.58
53	931 Rents	3,090.00	(4,111.23)
54	Total operation	1,609,393.01	(487,301.81)

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	30,480.43	26,516.43
4	933 Transportation	68,201.67	82,045.30
5	Total Maintenance	98,682.10	108,561.73
6	Total Administrative and General Expenses	1,708,075.11	(378,740.08)
7	Total Electric Operation and Maintenance Expense	14,456,948.50	676,700.97

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
8	Power Production Expenses			
9	Electric Generation:			
10	Steam Power:			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power	7,313.67	113,222.69	120,536.36
14	Other Power Supply Expenses	10,488,613.36		10,488,613.36
15	Total Power Production Expenses	10,495,927.03	113,222.69	10,609,149.72
16	Transmission Expenses		0.00	0.00
17	Distribution Expenses	379,675.64	1,212,618.13	1,592,293.77
18	Customer Accounts Expenses	381,508.61		381,508.61
19	Sales Expenses	165,921.29		165,921.29
20	Administrative and General Expenses	1,609,393.01	98,682.10	1,708,075.11
21	Power Production Expenses	2,536,498.55	1,311,300.23	3,847,798.78
22	Total Electric Operation & Maint	13,032,425.58	1,424,522.92	14,456,948.50

23 Ratio of operating expenses to operating revenues 92.03%
 (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 22 (d), Depreciation (Acct 403) and Amortization (Acct 407)

24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. 2,330,523.54

25 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees) 21

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. 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. 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. 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. 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. 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	Massachusetts Sales Tax	154,981.59	241000						
2									
3									
4									
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6									
7									
8									
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21									
22									
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25									
26									
27									
28	TOTALS	154,981.59							

OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1	N/A				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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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:	N/A			
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work				
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0.00	0.00	0.00	0.00
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
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	0.00	0.00	0.00	0.00
51	Net Profit (or loss)	0.00	0.00	0.00	0.00

SALES FOR RESALE (Account 447)

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

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities.

For each sale designate statistical classification in column (b) thus: firm power, FP; dump or surplus power, DP; other, G,

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

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

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

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg. mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	NONE							
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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 (f)	Voltage at Which Delivered (g)	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)		
		0	0.00			0.00	N/A	1
								2
								3
								4
								5
								6
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								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)										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 particular concerning interchange power transactions during the year. 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 purchases classified as Other Power, column (b).										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									
Line No.	Purchased From MMWEC: (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub-Station (e)	Kw or Kva of Demand			Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)				KWH (CENTS) (0.0000) (p)		Line No.		
						Contract Demand (f)	Avg. mo. Maximum Demand (g)	Annual Maximum Demand (h)			Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) **	Total (o)	(p)			
1	New York Power Authority	FP	X	TOWN LINE		1,322			60 MINUTES		8,636,526	61,695	42,789	174,335	278,820	\$0.0323	1		
2	Stonybrook Peaking	O		TOWN LINE		2,716			60 MINUTES		30,418	54,974	4,544	4,257	63,775	\$2.0966	2		
3	Stonybrook Intermediate	O		TOWN LINE		9,206			60 MINUTES		1,417,934	358,224	57,149	15,460	430,833	\$0.3038	3		
4	Nuclear Mix 1 (Seabrook)	O	X	TOWN LINE		67			60 MINUTES		600,294	13,223	2,784	41	16,048	\$0.0267	4		
5	Nuclear Mix 1 (Millstone)	O	X	TOWN LINE		682			60 MINUTES		6,176,360	201,170	40,729	6,766	248,665	\$0.0403	5		
6	Nuclear Project 3 (Millstone)	O	X	TOWN LINE		1,086			60 MINUTES		9,723,005	316,419	64,116	10,652	391,187	\$0.0402	6		
7	Nuclear Project 4 (Seabrook)	O	X	TOWN LINE		1,320			60 MINUTES		11,316,423	250,349	52,488	771	303,608	\$0.0268	7		
8	Nuclear Project 5 (Seabrook)	O	X	TOWN LINE		163			60 MINUTES		1,395,225	31,485	6,471	95	38,051	\$0.0273	8		
9	Hydro Quebec	O	X	TOWN LINE							0	0	0	30,335	30,335	#DIV/0!	9		
10	ISO OATT			TOWN LINE							0	0	0	2,777,857	2,777,857	#DIV/0!	10		
11	System Power	DP		TOWN LINE					60 MINUTES		34,995,150	502,200	1,352,286	0	1,854,486	\$0.0530	11		
12	Berkshire Wind Power Cooperative	O		TOWN LINE					60 MINUTES		2,283,386	441,726	0	0	441,726	\$0.1935	12		
13	Eagle Creek	O		TOWN LINE		600			60 MINUTES		2,065,566	0	115,362	252	115,613	\$0.0560	13		
14	Hancock Wind	O		TOWN LINE		951			60 MINUTES		2,266,938	0	115,522	496	116,019	\$0.0512	14		
15	Berkshire Wind Power Cooperative	O		TOWN LINE					60 MINUTES		1,273,758	217,097	0	0	217,097	\$0.1704	15		
16	Hydro Quebec Flow Rights											(49,570)		(69,861)	(119,431)	#DIV/0!	16		
17																	17		
18																	18		
19																	19		
** Includes transmission and administrative charges.										TOTALS:	82,180,983	2,398,992	1,854,240	2,951,455	7,204,688				

Annual report of:

MARBLEHEAD MUNICIPAL LIGHT DEPT.
INTERCHANGE POWER (Included in Account 555)

#REF!

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

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 (e)	Delivered (f)	Net Difference (g)	
1	NEPEX				113,519,750	87,122,930	26,396,820	3,259,731
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13				TOTALS	113,519,750	87,122,930	26,396,820	3,259,731

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
14	NEPEX	INTERCHANGE EXPENSE	3,040,455
15		NEPOOL EXPENSE	219,276
16			
17			
18			
19			
20			
21		TOTAL	3,259,731
22			

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	
4	Nuclear	
5	Hydro	
6	Other - Diesel	29,200
7	Total Generation	29,200
8	Purchases	82,180,983
9	(In (gross)	113,519,750
10	Interchanges < Out (gross)	87,122,930
11	(Net (Kwh)	26,396,820
12	(Received	
13	Transmission for/by others (wheeling) < Delivered	
14	(Net (Kwh)	
15	TOTAL	108,607,003
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	102,374,424
18	Sales for resale	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	532,638
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses	5,699,941
25	Unaccounted for losses	
26	Total energy losses	5,699,941
27	Energy losses as percent of total on line 15 5.25%	
28	TOTAL	108,607,003

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 16 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.

MARBLEHEAD

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	19,953	Friday	29	1900	Demand	9,883,170
30	February	18,765	Monday	1	1800	Demand	8,840,529
31	March	18,648	Tuesday	2	1900	Demand	8,544,771
32	April	14,553	Thursday	1	2000	Demand	7,354,924
33	May	18,108	Wednesday	26	1900	Demand	7,556,040
34	June	32,715	Tuesday	29	1600	Demand	10,516,410
35	July	26,847	Friday	16	1500	Demand	10,261,980
36	August	30,825	Thursday	12	1700	Demand	11,916,270
37	September	19,836	Wednesday	15	1800	Demand	8,633,772
38	October	15,066	Wednesday	27	1900	Demand	7,560,414
39	November	17,271	Monday	29	1900	Demand	8,076,735
40	December	18,720	Monday	20	1900	Demand	9,461,988
41						TOTAL	108,607,003

GENERATING STATIONS

Page 58

**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 c. ft.

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

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com. Gas turbine)	Int. Comb.		
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional		
3	Year originally constructed	1975		
4	Year last unit was installed	1975		
5	Total installed capacity (maximum generator name plate ratings in kw)	5,500		
6	Net peak demand on plant-kilowatts (60 min.)	5,100		
7	Plant hours connected to load			
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water			
10	(b) When limited by condenser water			
11	Average number of employees	1		
12	Net generation, exclusive of station use	29,200		
13	Cost of plant (omit cents):			
14	Land and land rights	10,696.49		
15	Structures and improvements	312,769.33		
16	Reservoirs, dams, and waterways			
17	Equipment costs	2,300,725.04		
18	Roads, railroadss, and bridges			
19	Total cost	2,624,190.86	-	
20	Cost per kw of installed capacity	514.55		
21	Production expenses:			
22	Operation supervision and engineering			
23	Station labor	113,222.69	-	
24	Fuel	2,756.24		
25	Supplies and expenses, including water	4,557.43		
26	Maintenance			
27	Rents			
28	Steam from other sources			
29	Steam transferred - Credit			
30	Total Production expenses	120,536.36	-	
31	Expenses per net Kwh (5 places)	4.12796		
32	Fuel: Kind	No 2 Fuel Oil		
33	Unit: (Coal-tons of 2,000 lb..) (Oil-barrels of 42 gals.) (Gas-M cu. Ft.) (Nuclear, indicate)	Barrels		
34	Quantity (units) of fuel consumed	63		
35	Average heat content of fuel (B.t.u. per lb. Of coal, per gal. Of oil or per cu. Ft. of gas)	140,000		
36	Average cost of fuel per unit del. f.o.b. plant	69.3		
37	Average cost of fuel per unit consumed	69.3		
38	Average cost of fuel consumed per million B.t.u.	11.22		
39	Average cost of fuel consumer per kwh net gen.	.1		
40	Average B.t.u. per kwh net generation	12,686		
41				
42				

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

547 as shown on Line 24

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

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

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

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

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
*** NONE ***						1
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						3
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lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1	*** NONE ***						
2							
3							
4							
5							
6							
7							
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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 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.

Turbine-Generators*

Year Installed (h)	Type (l)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
	*** NONE ***										1
											2
											3
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TOTALS											37

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							
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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
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										37
										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-

			Prime Movers				
Line	Name of Station	Location of Station	Diesel or Other Type Engine	Name of Maker	Year Installed	2 or 4 Installed	Belted or Direct Connected
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Wilkins 1	Woodfin Terrace	Diesel	General Motors	1975	2	Direct
2	Wilkins 2	Woodfin Terrace	Diesel	General Motors	1975	2	Direct
3							
4							
5							
6							
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39							

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

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

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

Specify whether lessee is an associated company.

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

[illegible]

Annual Report of the Town of Marblehead
For Year Ended December 31, 2021
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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	Year Const.	Installed Capacity Name Plate Rating - KW	Peak Demand KW (60 Min.)	Net Generation Excluding Station Use	Cost of Plant (Omit Cents)	Plant Cost Per KW Inst. Capacity	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel	Fuel Cost Per KWH Net Generation (Conte) 0.00
								Labor	Fuel	Other		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1												
2	N/A											
3												
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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	Salem	Village-13 Sub	22.9 KV	Wood Pole	1.49			
2	Salem	Village-13 Sub	22.9 KV	Underground	0.98			
3	Village-13 Sub	Village-5 Sub	22.9 KV	Underground	0.07			
4	Village-13 Sub	Clifton Sub	13.2 KV	Wood Pole	1.40			
5	Village-13 Sub	Clifton Sub	13.2 KV	Wood Pole		2.40 *		
6	Village-13 Sub	Beacon Sub	13.2 KV	Wood Pole		1.30 *		
7	Village-13 Sub	Commercial Sub	13.2 KV	Underground	1.90			
8	Village-13 Sub	Creesy St	13.2 KV	Underground	1.01			
9	Creesy St	Commercial Sub	13.2 KV	Wood Pole		.97 *		
10	Creesy St	Beacon Sub	13.2 KV	Wood Pole		.70 *		
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38								
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44								
45								
46								
47				TOTALS	6.85	5.37 *		
* where other than 60 cycle, 3 phase, so indicate.								

ok

OVERHEAD DISTRIBUTION LINES OPERATED					
Line No.		Length (Pole Miles)			
		Wood Poles	Steel Towers	Total	
1	Miles -- Beginning of Year	88.129		88.129	
2	Added During Year	0.00		0.00	
3	Retired During Year	0.00		0.00	
4	Miles -- End of Year	88.129	0.00	88.129	
5					
6					
7	A.C. 3 Phase & 1 Phase	60 Cycles	2400/4160		
8			120/240		
9			120/208		
10			277/480		
11					
12					
13					
14					
15					
ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS					
Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	8,340	10,456	1,264	64,591.5
17	Additions during year:				
18	Purchased		146	5	450.0
19	Installed	0			
20	Associated with utility plant acquired				
21	Total Additions	0	146	5	450.0
22	Reductions during year:				
23	Retirements	0	59	16	687.5
24	Associated with utility plant sold				
25	Total Reductions	0	59	16	687.5
26	Number at end of year	8,340	10,543	1,253	64,354.0
27	In stock		214	86	6,142.0
28	Locked meters on customers' premises		13		
29	Inactive transformers on system				
30	In customers' use		10,296	1,167	58,212.0
31	In company's use		20		
32	Number at end of year		10,543	1,253	64,354.0

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	Designation of Underground System	Miles of Conduit Bank (All Sizes and Types)	Underground Cable Miles *	Operating Voltage	Submarine Cable Feet *	Operating Voltage
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	Balance 12/31/2002:	25.606	57.36			
2	Additions 2003:					
3	Clifton Sub - Garden Ckt *3		0.84			
4	Additions 2004:					
5	Green Street	4" pvc x 2 0.18	0.69			
6	Additions 2005:					
7	School Street	4" pvc x 2 0.03	0.09			
8	Essex Street	4" pvc x 2 0.03	0.09			
9	Humphrey Street	4" pvc x 2 0.08	0.24			
10	Highland Project	5" pvc x 2 0.29	0.87			
11	Clipper Way	5" pvc x 2 0.13	0.13			
12	Harvard Street	4" pvc x 2 0.04	0.04			
13	Thomas Circle	4" pvc x 2 0.03	0.03			
14	Additions 2006:					
15	Leggs Hill Road	4" pvc x 2 0.11	0.11			
16	Tower School	4" pvc x 2 0.07	0.07			
17	Additions 2007:					
18	YMCA	4" pvc x 2 0.19	0.19			
19	Westminster	5" pvc x 2 0.11	0.11			
20	Additions 2008:					
21	Highland Project	5" pvc x 2 0.10	0.30			
22	Causeway	5" pvc x 4 0.98	2.94			
23	Additions 2009:					
24	Village School	4" pvc x 2 0.09	0.27			
25	Crowninshield #22	4" pvc x 2 0.06	0.06			
26	Additions 2010:					
27	Tedesco Country Club	4" pvc x 2 0.04	0.06			
28	Stramski's Way	4" pvc x 2 0.21	0.11			
29	Additions 2011:					
30	National Grand Bank	4" pvc x 1 0.03	0.08			
31	Osborne Bldg Pleasant Street	4" pvc x 1 0.02	0.05			
32	Leggs Hill Road	4" pvc x 1 0.03	0.09			
33	Additions 2012:					
34	Camille Terrace	4" pvc x 1 0.07	0.07			
35	Additions 2013:					
36	Lincoln Avenue to Woodfin Property	4" pvc x 1 0.03	0.03			
37	Additions 2014:					
38	Blueberry Road	4" pvc x 2 0.06	0.06			
39	Additions 2016:					
40	Captain's Walk Lane	4" pvc x 1 0.05	0.05			
41	Cloutmans Lane	4" pvc x 1 0.03	0.03			
42	Additions 2017:					
43	Beacon Street	4" pvc x 1 0.03	0.03			
44	Ocean Avenue	4" pvc x 2 1.02	3.85			
45	Flint Street	4" pvc x2 0.04	0.15			
46	Removal 2020:					
47	Pleasant St	2" steel x 1 (0.01)	-0.03			
48	Baldwin Rd	8" PVC x 1 (0.04)	-0.12			
49	Additions 2022:					
50	Dartmouth stt	4" pvc x 1 0.09	0.27			
51	Removal 2021:					
52	Hooks Lane	8" pvc x 1 (0.04)	-0.12			
53	TOTALS	29.784	69.092			
54	* Indicate number of conductors per cable.					

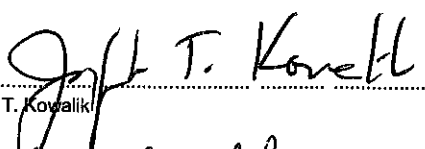
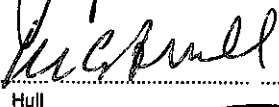
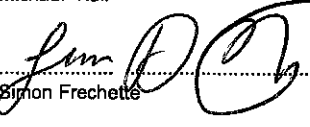
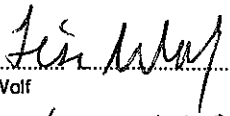
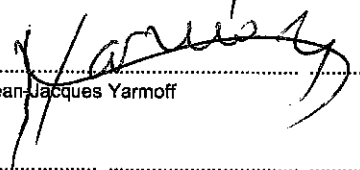
STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			LED		Mercury Vapor		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Marblehead	2006	1899	NONE	NONE	NONE	NONE	NONE	107	
2										
3										
4										
5										
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52	TOTALS	2006	1899	0	0	0	0	0	107	0

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

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....	
	
Joseph T. Kowalik	Manager of Electric Light
.....	
	
Michael Hull	Commission Chairman
.....	
	
Simon Frechette	Commissioner
.....	
	Commissioner
.....	
	
Lisa Wolf	Commissioner
.....	
	
Jean-Jacques Yarmoff	Commissioner
.....	

Selectmen
orMembers
of the
MunicipalLight
Board

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