Accountants Compilation Report

Copy of Accountants Compilation Report letter to be inserted here before the Table of Contents

Letter on File Dated March 22, 2002 for Year Ended December 31, 2019

			Page 2
TABLE OF CONT	ENTS		Daga
General Information			Page 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 Expense	s		39-42
Taxes Charged During Year			49
Other Utility Operating Income			50
Income from Merchandising, Jobbing and Co	ntract 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 Sta	ations		64-65
Generating Statistics (Small Stations)			66
Transmission Line Statistics			67
Substations			68
Overhead Distribution Lines Operated			69
Electric Distribution Services, Meters, and Lin		ers	69
Conduit, Underground Cable and Submarine	Cable		70
Streetlamps			71
Rate Schedule Information			79
Signature Page			81
FOR GAS PLANTS ONLY:	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House	
Record of Sendout for the Year in MCF	72-73	Governors and Meters	78
PAGES INTENTIONALLY OMITTED : 9, 13	, <u>23 T</u> O 36, 7	72 TO 78, 80	

	GE	NERAL INFORMA		Page 3
1.	Name of town (or city) r	naking report.		Marblehead
2.	chapter 164 of the G Record of votes: First v	as or electric. hased, if so acquired. a plant in accordance with eneral Laws.	vote: Yes, ; No,	
3.	Name and address of m	nanager of municipal lighting	j :	
	Joseph T. Kowalik	80 Commercial Street	Marblehead, MA 01945	
4. 5.	Name and address of m Jackie Belf-Becker Harry C. Christensen Jr Judith R. Jacobi James E. Nye M.C. Moses Grader Name and address of to	Abbot Hall Abbot Hall Abbot Hall Abbot Hall Abbot Hall Abbot Hall	Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945	
	Nancy Connelly	Widger Road	Marblehead, MA 01945	
6.	Name and address of to	own (or city) clerk:		
	Robin A. Michaud	Abbot Hall	Marblehead, MA 01945	
7.	Names and addresses	of members of municipal lig	ht board:	
	Michael A. Hull Walter E. Homan Michael A. Tumulty Michael J. Maccario Karl A. Johnson	81 Bayview Road 31A Haley Road 108 Washington Street 64 Garfield Street 25 Reed Street	Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945 Marblehead, MA 01945	
8.		es in town (or city) according	to last State valuation	
	(taxable)			\$6,719,252,411
9.	Tax rate for all purpose	s during the year: Commercial/Industrial	Residential Open Space Personal Property	\$10.39 \$0.00 \$10.39
10	Amount of managar's a		r oroondi r roporty	
	Amount of manager's s			\$160,000.00
	Amount of manager's b			\$0.00
12.	Amount of salary paid to	o members of municipal ligh	t board (each):	\$0.00

		RED BY GENERAL LAWS, CHAPTER			
		R THE FISCAL YEAR, ENDING DECE	Amount		
INCOME FROM	PRIVATE CONSUMERS:				
1 From sales of gas					
2 From sales of ele	ctricity		17,566,000.00		
3		TOTAL	17,566,000.00		
4					
5 EXPENSES					
• •	aintenance and repairs		16,039,000.00		
7 For interest on bo	· ·				
8 For depreciation f		40,861,118.86 as per page 8 B)	1,225,833.57		
9 For sinking fund r	•				
10 For note payment					
11 For bond paymen					
12 For loss in preced	ang year	TOTAL	17,264,833.57		
13		TOTAL	17,204,033.57		
15 COST :					
	for municipal buildings				
17 Of gas to be used	for municipal buildings				
	•	nge	1,016,236.90		
	8 Of electricity to be used for municipal buildings				
-	9 Of electricity to be used for street lights 0 Total of above items to be included in the tax levy				
2011012101200000110			1,157,252.90		
	to be included in the tax le	0)///			
	to be included in the tax le	2	1,157,252.90		
	CUSTOMERS		1,107,202.00		
Names of cities or tow		Names of cities or towns in which the	plant supplies		
	e number of customers'	ELECTRICITY, with the number of cu			
meters in each.		meters in each.			
	Number		Number		
City or Town	of Customers'	City or Town	of Customers'		
	Meters, Dec. 31		Meters, Dec. 31		
NONE		Marblehead	10,489		
		4			
Τ	OTAL 0	TOTAL	10,489		

(Inc	APPROPRIAT	TONS SINCE BEG		nade or required.)	
	CONSTRUCTION OR PURCHAS meeting meeting	-	, to be paid from ** , to be paid from **	TOTAL	0.00
1. 2. 3.	THE ESTIMATED COST OF THE TO BE USED BY THE CITY OF Street lights Municipal buildings	R TOWN FOR:	** Here insert bond	TOTAL	135,419.24 925,948.59 1,061,367.83
1.	Describe briefly all the important including additions, alterations of In electric property: Completed additional noise mitig to resume normal plant operation Completed substantial renovation reoccupied the building in April 2 Completed installation of LED si have 7,100 lumen LED lights with have 3,200 lumen LED lights with town's Lead Mills conservation at power supply lines from Salem, Completed installation of approx overhead service at that location area.	pr improvements to gation improvement ons. on of the 125 year of 2018. treet lights on Marb th 4,000 degree Ke th 3,000 Kelvin colo on of approximately area, near the Saler suffered substanial kimately 1,240 feet	the works or physical prop ts to the Wilkins Plant, in old Main Office building at lehead streets: a total of 3 lvin color temperature, an or temperature. / 700 feet of riprap along t m border. The berm, cont l erosion during the multip of underground service al	perty retired. compliance with DEP nois 80 Commercial Street and 375 main street lights loca d 1,523 side street location the shoreside berm locate aining the town's main ele ble March 2018 nor'easters ong Ocean Avenue to rep	d ations now ons now ad at the ectric s. blace

Page 6 Annual Report of the Town of Marblehead

		Amount of	Period of Payr	nents		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
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	NONE
03/03/1974	01/01/1975	477,891.00		Initial MMWEC Bo	onding - Tr	ansferred to MMWE	 :C July 1978
	TOTAL	1,323,891.00				TOTAL	NONE

Page 7 Annual Report of the Town of Marblehead

When Authorized* Date of Issue Original Issue ** Amounts When Payable Rate When Payable at 06/01/1895 10,000.00 12/01/1896 10,000.00 Image: Comparison of Comparis	End of Year
12/01/1896 4,000.00 01/01/1902 9,500.00 March 1927 01/02/1928	
01/01/1902 9,500.00 March 1927 01/02/1928 15,000.00	
March 1927 01/02/1928 15,000.00	
March 1937 08/01/1938 38 000 00	
TOTAL 76,500.00 TOTAL NONE	

Page	8 Annual Report of the T	own of Marblehead				Year Ended Dece	mber 31, 2019
		TOTAL COST OF PL	ANT - ELECTRI	C			
1. Re	port below the cost of utility plant in service	preceding year. Such	items should be	included in	effect of such a	mounts.	
accord	ling to prescribed accounts	column (c) or (d) as a	ppropriate.		4. Reclassification	ns or transfers wit	hin utility plant
2. Do	not include as adjustments, corrections of	3. Credit adjustments	of plant accounts	should be	accounts should	d be shown in colu	umn (f).
additic	ons and retirements for the current or the	enclosed in parenthes	ses to indicate the	e negative			
		Balance					Balance
Line	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(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						
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						
23	Total Nuclear Production Plant	0.00	0.00	0.00	0.00	0.00	0.00

Page 8A

		TOTAL COST OF PL	ANT - ELECTRIC	C (Continued)			
Line	Account	Balance Beginning of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(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	370,834.72	197,725.69		999,443.00		1,568,003.41
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	1,425,034.17	197,725.69	0.00	999,443.00	0.00	2,622,202.86
19	Total Production Plant	1,425,034.17	197,725.69	0.00	999,443.00	0.00	2,622,202.86
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

ine		TOTAL COST OF PL		,		Т	Balance
lo.	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	500.00					500.0
3	361 Structures and Improvements	1,040,971.30					1,040,971.3
4	362 Station Equipment	5,450,417.46					5,450,417.4
5	363 Storage Battery Equipment	55,160.83	1,110.22				56,271.0
6	364 Poles Towers and Fixtures	2,303,973.12	87,280.08	35,400.36			2,355,852.8
7	365 Overhead Conductors and Devices	3,590,911.95	188,289.60	113,518.01			3,665,683.5
8	366 Underground Conduit	2,391,008.29	3,440.95				2,394,449.2
9	367 Underground Conductors and Devices	2,551,860.71	14,592.61	7,583.26			2,558,870.0
10	368 Line Transformers	1,612,337.65	53,963.72	39,166.10			1,627,135.2
11	369 Services	723,944.79	51,505.23	21,718.34			753,731.6
12	370 Meters	2,913,930.38	11,496.89	6,981.82			2,918,445.4
13	371 Installations on Customer's Premises	78,203.70	-	-,			78,203.7
14	372 Leased Prop on Customer's Premises	,	_				
15	373 Streetlight and Signal Systems	322,599.82	5,496.69	814.65			327,281.8
16	Total Distribution Plant	23,035,820.00	417,175.99	225,182.54	0.00	0.00	23,227,813.4
17	5. GENERAL PLANT	20,000,020.00	111,110.00	220,102.01	0.00	0.00	20,227,0101
18	389 Land and Land Rights						
19	390 Structures and Improvements	8,953,809.80	118,567.18				9,072,376.9
20	391 Office Furniture and Equipment	700,398.69	110,007.10				700,398.6
21	392 Transportation Equipment	1,045,332.95					1,045,332.9
22	393 Stores Equipment	1,040,002.90					1,040,002.0
22	394 Tools, Shop and Garage Equipment						
23 24	395 Laboratory Equipment						
24 25	396 Power Operated Equipment						
	207 Communication Equipment	100 000 50	0.000.00				404 400 /
26	397 Communication Equipment	182,099.53	2,369.93				184,469.4
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property	10.001.010.07					
29	Total General Plant	10,881,640.97	120,937.11	0.00	0.00	0.00	11,002,578.0
30	Total Electric Plant in Service	39,404,967.60	735,838.79	225,182.54	999,443.00	0.00	40,915,066.8
31					Total Cost of Elect		40,915,066.8
33					Land Rights, Righ		53,947.9
34					nich Depreciation is		40,861,118.8
ne ab	oove figures should show the original cost of the e	xisting property. In case a	any part of the pr	operty is sold or re	tired, the cost of su	ich property	

PAGE 9 IS A NOTE ONLY PAGE

Note

1 Profit Rate 2018:

2.3292%

Net Profit (page 12 Col E Line 33) divided by Total Cost of Electric Plant in Service (page 8B Col J Line 106) 952,975.93 40,915,066.85

2 Estimated Maximum Profit Allowed for 201 3,273,205.35

Total Cost of Electric Plant in Service (page 8 Col J Line 106) X Eight Per Cent

3 Depreciation for 2019 at 3 Per Cent: 1,225,833.57

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 **306,458.39**

Page 10

	CON	IPARATIVE BALANCE SHEET A	ssets and Oth	er 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 3 4		Utility Plant - Electric (P. 17) Utility Plant - Gas (P. 20)	19,708,928.15	19,235,632.80	(473,295.35)
4 5		Total Utility Plant	19,708,928.15	19,235,632.80	(473,295.35)
			10,700,020.10	10,200,002.00	(470,200.00)
6 7 8 9 10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			
13		Depreciation Fund (P. 14)	6,176,015.89	6,671,639.15	495,623.26
14		Other Special Funds	2,311,056.36	2,463,369.39	152,313.03
15	120	Total Funds	8,487,072.25	9,135,008.54	647,936.29
16		CURRENT AND ACCRUED ASSETS		0,100,000101	0.11,000120
17	131	Cash (P. 14)	3,412,592.67	4,277,955.50	865,362.83
18		Special Deposits	211,875.00	205,244.50	(6,630.50
19		Working Funds	500.00	500.00	0.00
20		Notes Receivable			
21 22		Customer Accounts Receivable Other Accounts Receivable	2,755,451.38	2,684,148.31	(71,303.07)
23	146	Receivables from Municipality	120,395.81	93,148.00	(27,247.81)
24		Materials and Supplies (P. 14)	94,921.79	133,583.20	38,661.41
25		Interest & Dividend Receivable	0.00	0.00	0.00
26		Prepayments	1,967,421.11	2,392,687.95	425,266.84
27	174	Miscellaneous Current Assets			
28		Total Current and Accrued Assets	8,563,157.76	9,787,267.46	1,224,109.70
29	404	DEFERRED DEBITS			
30		Unamortized Debt Discount			
31		Extraordinary Property Losses	2 000 004 00	1 001 000 00	(407 004 00
32	185	Other Deferred Debits	2,099,094.36	1,991,803.00	(107,291.36)
33 24		Total Deferred Debits	2,099,094.36	1,991,803.00	(107,291.36)
34 35		Total Assets and Other Debits	38,858,252.52	40,149,711.80	1,291,459.28

Page 11

CO	MPAR	ATIVE BALANCE SHEET Liabilities a	and Other Cred	dits	
			Balance	Balance	Increase
Line		Title of Account	Beginning	End	or
No.		(a)	of Year	of Year	(Decrease)
			(b)	(c)	(d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction	NONE	NONE	NONE
3		SURPLUS			
4		Sinking Fund Reserves			
5		Loans Repayment			
6		Appropriations for Construction Repayments			
7		Unappropriated Earned Surplus (P. 12)	21,877,841.61	14,940,253.73	(6,937,587.88)
8		Reserve for Rate Stabilization	900,000.00	900,000.00	
9	229-1	MMWEC Reserve Trust	-	530,735.88	
10		Total Surplus	22,777,841.61	16,370,989.61	(6,406,852.00)
11					<i></i>
12		Bonds (P. 6)	5,016,073.33	4,855,394.69	(160,678.64)
13	231	Notes Payable (P. 7)	/		
14		Total Bonds and Notes	5,016,073.33	4,855,394.69	NONE
15		CURRENT AND ACCRUED LIABILITIES			
16		Accounts Payable	9,477,109.64	2,455,098.00	(7,022,011.64)
17		Pension Liability	-	7,092,308.00	
18		OPEB Liability		8,575,873.00	
19		Payables to Municipality (Water)	000 075 00	004 044 50	(0.000.50)
20		Customers' Deposits	209,275.00	201,044.50	(8,230.50)
21		Taxes Accrued			
22		Interest Accrued			
23	242	Miscellaneous Current and Accrued Liabilities	0.000.004.04	40.004.000.50	0.007.000.00
24		Total Current and Accrued Liabilities DEFERRED CREDITS	9,686,384.64	18,324,323.50	8,637,938.86
25	054				
26 27		Unamortized Premium on Debt Customer Advances for Construction			
27		Other Deferred Credits			
20	200	Total Deferred Credits	NONE	NONE	NONE
30		RESERVES	NONE	NONE	NONE
31		Reserves for Uncollectible Accounts	287,301.81	320,481.60	33,179.79
32		Property Insurance Reserve	207,301.01	320,401.00	55,179.79
33		Injuries and Damages Reserves			
34		Pensions and Benefits Reserves	84,234.28	74,628.62	(9,605.66)
35		Miscellaneous Operating Reserves	828,000.00	0.00	(828,000.00)
36	200	Total Reserves	1,199,536.09	395,110.22	(804,425.87)
37		CONTRIBUTIONS IN AID OF	1,100,000.09	000,110.22	(007,720.07)
38		CONSTRUCTION			
39	271	Contributions in Aid of Construction	178,416.85	203,893.78	25,476.93
40	211	Total Liabilities and Other Credits	38,858,252.52	40,149,711.80	1,291,459.28

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

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)	17,019,763.50	(321,622.46)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	13,394,567.43	(628,216.58
5	402 Maintenance Expense	1,410,976.84	72,639.12
6	403 Depreciation Expense	1,175,178.05	(351,204.52
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	15,980,722.32	(906,781.98
11	Operating Income	1,039,041.18	585,159.52
12	414 Other Utility Operating Income (P. 50)	· · ·	
13	, , , , , , , , , , , , , , , , , , ,		
14	Total Operating Income	1,039,041.18	585,159.52
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing,	-	-
	and Contract Work (P. 51)		
17	419 Interest Income	73,998.38	21,089.92
18	421 Miscellaneous Nonoperating Income (P. 21)	· · · · ·	
19	Total Other Income	73,998.38	21,089.92
20	Total Income	1,113,039.56	606,249.44
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions	0.00	-
24	Total Income Deductions	NONE	NONE
25	Income Before Interest Charges	1,113,039.56	606,249.44
26			,
27	427 Interest on Bonds and Notes	160,063.63	101,194.45
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	160,063.63	101,194.45
33		952,975.93	505,054.99
I	EARNED SURPLUS		· · · ·
Line	Account	Debits	Credits
No.	(a)	(b)	(C)
34	208 Unappropriated Earned Surplus (at beginning of period)		21,877,841.61
35			, - ,
36			
37	433 Balance Transferred from Income		952,975.93
38	434 Miscellaneous Credits to Surplus (P. 21)		1,441.39
39	435 Miscellaneous Debits to Surplus (P. 21)	7,557,950.82	.,
40	436 Appropriations of Surplus (P. 21)	334,054.38	
41	437 Surplus Applied to Depreciation	007,007.00	
42	208 Unappropriated Earned Surplus (at end of period)	14,940,253.73	
43	200 chappropriated Earlied Outplus (at one of period)	17,070,200.70	
44	TOTALS	22,832,258.93	22,832,258.93

7 (111)		1001 01, 2010	i age i t
	CASH BALANCES AT END OF YEAR		_
Line	Items		Amount
No.	(a)		(b)
1	Operation Fund		4,259,046.62
2	Interest Fund		
3	Bond Fund		
4	Construction Fund		18,908.88
5			
6 7			
8			
9			
10			
11			
		TOTAL	4 077 055 50
12		TOTAL	4,277,955.50
MAIE	RIALS AND SUPPLIES (Accounts 151-159, 163)		
	Summary per Balance Sheet		
		Amount End o	
Line	Account	Electric	Gas
No.	(a)	(b)	(c)
13	Fuel (Account 151) (See Schedule, Page 25)	28,428.61	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	105,154.59	
	Merchandise (Account 155)		
	Other Materials and Supplies (Account 156)		
	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
	Nuclear Byproduct Materials (Account 159)		
	Stores Expense (Account 163)		
23		133,583.20	
	PRECIATION FUND ACCOUNT (Account 126)	133,303.20	
Line			Amount
			Amount
No.	(a)		(b)
24			
	Balance of account at beginning of year		6,176,015.89
	Income during year from balance on deposit (interest)		53,718.80
	Amount transferred from income (depreciation)		1,180,530.56
	Adjustment: Accounts Payable 12/31/18		37,826.50
	Y/E Transfer From Operating Cash		-
	FEMA Reimb		41,698.32
31		TOTAL	7,489,790.07
32	CREDITS		
33	Amount expended for construction purposes (Sec. 57,C.164 of	G.L.)	
	Amounts expended for renewals,viz:-	,	735,838.79
	Adjustment: Accounts Payable 12/31/17		82,312.13
36			02,012.10
37			
38			
39			
40			0.074.000 /=
40	Balance on hand at end of year	TOTAL	6,671,639.15 7,489,790.07

2. Do no ad Line No.	ort below the cost of utility plant in service coording to prescribed accounts ot include as adjustments, corrections of 3 ditions and retirements for the current or the	UTILITY PLANT - preceding year. Suc column (c). . Credit adjustments			effect of such	amounts.	
2. Do no ad Line No.	cording to prescribed accounts ot include as adjustments, corrections of 3	column (c).	h items should			i amounts.	
2. Do no ad Line No.	ot include as adjustments, corrections of 3						
Line No. 1	-	 Credit adjustments 				ions or transfers v	• •
Line No. 1	Iditions and retirements for the current or the		•		accounts sho	uld be shown in c	olumn (f).
No. 1		enclosed in parenthe	eses to indicate	the negative			
No. 1		Balance				Adjustments	Balance
1	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
1	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	1. INTANGIBLE PLANT						
	303 Misc Intangible Plant Transmission						
3							0.00
4		-	0.00	-	0.00	0.00	0.00
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						
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						
23	Total Nuclear Production Plant	0.00	0.00	0.00	0.00	0.00	0.00

Page 15 Annual Report of the Town of Marblehead

Page 16 Annual Report of the Town of Marblehead

Year Ended December 31, 2019

Ū		UTILITY PLAN	- ELECTRIC	(Continued)			
		Balance				Adjustments	Balance
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(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	0.00					0.00
13	342 Fuel Holders, Producers and Accessories	0.00					0.00
14	343 Prime Movers	16,859.72	1,197,168.69	10,768.34			1,203,260.07
15	344 Generators	0.00					0.00
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	27,556.21	1,197,168.69	10,768.34	0.00	0.00	1,213,956.56
19	Total Production Plant	27,556.21	1,197,168.69	10,768.34	0.00	0.00	1,213,956.56
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	42,805.67		12,767.11			30,038.56
28	357 Underground Conduit	174,616.45		25,263.40			149,353.05
29	358 Underground Conductors and Devices	27,031.27		8,705.12			18,326.15
30	359 Roads and Trails						
31	Total Transmission Plant	287,204.89	0.00	46,735.63	0.00	0.00	240,469.26

Page 17 Annual Report of the Town of Marblehead

Year Ended December 31, 2019

	UTILITY PLANT ELECTRIC (Continued)									
Line		Balance			Other	Adjustments	Balance			
No.	Account	Beginning of Year	Additions	Depreciation	Credits	Transfers	End of Year			
	(a)	(b)	(c)	(d)	(e)	(f)	(g)			
1	4. DISTRIBUTION PLANT									
2	360 Land and Land Rights	500.00					500.00			
3	361 Structures and Improvements	427,688.62		31,229.14			396,459.48			
4	362 Station Equipment	1,701,252.29		158,269.77			1,542,982.52			
5	363 Storage Battery Equipment	16,777.75	1,110.22	1,654.82			16,233.15			
6	364 Poles Towers and Fixtures	217,331.28	87,280.08	66,903.00			237,708.36			
7	365 Overhead Conductors and Devices	1,962,940.54	188,289.60	104,273.26			2,046,956.88			
8	366 Underground Conduit	537,604.72	3,440.95	69,430.34			471,615.33			
9	367 Underground Conductors and Devices	653,033.87	14,592.61	74,101.19			593,525.29			
10	368 Line Transformers	810,576.32	53,963.72	48,370.13			816,169.91			
11	369 Services	328,505.89	51,505.23	21,718.34			358,292.78			
12	370 Meters	2,379,571.67	11,496.89	84,615.00			2,306,453.56			
13	371 Installations on Customer's Premises	-					-			
14	372 Leased Prop on Customer's Premises									
15	373 Streetlight and Signal Systems	350,759.45	5,496.69	9,677.99			346,578.15			
16	Total Distribution Plant	9,386,542.40	417,175.99	670,242.98	0.00	0.00	9,133,475.41			
17	5. GENERAL PLANT									
18	389 Land and Land Rights									
19	390 Structures and Improvements	8,657,330.02	118,567.18	261,765.04		(28,603.58)	8,485,528.58			
20	391 Office Furniture and Equipment	104,586.28		70,039.87			34,546.41			
21	392 Transportation Equipment	229,819.95		104,533.30			125,286.65			
22	393 Stores Equipment									
23	394 Tools, Shop and Garage Equipment									
24	395 Laboratory Equipment									
25	396 Power Operated Equipment									
26	397 Communication Equipment	16,445.40	2,369.93	16,445.40			2,369.93			
27	398 Miscellaneous Equipment									
28	399 Other Tangible Property									
29	Total General Plant	9,008,181.65	120,937.11	452,783.61	0.00	(28,603.58)	8,647,731.57			
30	Total Electric Plant in Service	18,709,485.15	1,735,281.79	1,180,530.56	0.00	(28,603.58)	19,235,632.80			
31	104 Utility Plant Leased to Others									
32	105 Property Held for Future Use									
33	107 Construction Work in Progress	999,443.00			0.00	(999,443.00)	0.00			
34	Total Utility Plant Electric	19,708,928.15	1,735,281.79	1,180,530.56	0.00	(1,028,046.58)	19,235,632.80			

Page 18	Next page is 21	Annual Report of the	Town of Marblehead	Ł	Year Ended Dec	ember 31, 2019
		PRODUCTION FUEL	AND OIL STOCKS	(Included in Acco	ount 151)	
		(Except Nuclear Mate	erials)		
		1. Report below the	information called for	r concerning proc	luction fuel and oil sto	cks.
		2. Show quantities in	n tons of 2,000 lbs., g	gal., or Mcf., whic	hever unit of quantity i	s applicable.
		3. Each kind of coal	or oil should be show	vn separately.		
		4. Show gas and ele	ectric fuels separately	/ by specific use.		
				Kinds of Fuel a	nd Oil	
		Total				
Line	Item	Cost	Quantity	Cost	Quantity	Cost
No.	(a)	(b)	(C)	(d)	(e)	(f)
1	On Hand Beginning of Year	7,906.04	3,992.00			
2	Received During Year	21,859.50	9,500.00			
3	TOTAL	29,765.54	13,492.00			
4	Used During Year (Note A)					
5	For Heating	0.00	0.00			
6	For Generation	1,336.93	606.00			
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	1,336.93	606.00			
13	BALANCE END OF YEAR	28,428.61	12,886.00			
		_		Kinds of Fuel a	nd Oil - continued	
Line	Item		Quantity	Cost	Quantity	Cost
No.	(g)		(h)	(i)	(j)	(k)
14	On Hand Beginning of Year		(1)	(7	U/	(1)
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	F				
26	BALANCE END OF YEAR	F				
	Indicate specific purpose for which			Evel at a		

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

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Annu	al Report of the Town of Marblehead Year Ended December 31, 2019	Page 21
	MISCELLANEOUS NONOPERATING INCOME (Account 421)	1
Line	Item	Amount
No	(a)	(b)
1		
2		
3		
4		
5		
6	ΤΟΤΑΙ	0.00
	OTHER INCOME DEDUCTIONS (Account 426)	-
Line	ltem	Amount
No.	(a)	(b)
7		
8		
9		
10		
11		
12		
13		
13	ΤΟΤΑΙ	0.00
14	MISCELLANEOUS CREDITS TO SURPLUS (Account 434)	0.00
Line	Item	Amount
No.	(a)	(b)
	Adjusting Entry for accounts for estiamted receivables as of 12/31/2018	1,441.39
16	Adjusting Entry for accounts for estianted receivables as or 12/31/2010	1,441.39
17		
18 19		
20		
21		
22		4.444.00
23		1,441.39
	MISCELLANEOUS DEBITS TO SURPLUS (Account 435)	
Line	Item	Amount
No.	(a)	(b)
24		
	Auditor's Adjusting Entries for year ended December 2018	7,557,864.04
	Adjusting Entry for accounts for estiamted receivables as of 12/31/2018	86.78
	FEMA	
28		
29		
30		
31		
32	ΤΟΤΑΙ	7,557,950.82
	APPROPRIATIONS OF SURPLUS (Account 436)	
Line	Item	Amount
No.	(a)	(b)
33	March 2019 Commission voted Net Surplus Revenue - Town of Marblehead	330,000.00
	March 2019 Commission voted In-Lieu of Tax Payment - Town of Salem	4,054.38
35		
36		
37		
38		
39		
40	ΤΟΤΑΙ	334.054.38

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			AL REVENUES (Account r the provision of Chapter		927)	
Line No.	Acct. No.	Gas Schedule (a)		Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)
1 2		Not Applicable				
3						
4			TOTALS		Revenue	Average Revenue
		Electric Schedule (a)		K.W.H. (b)	Received (c)	Per KWH (cents) (0.0000) (d)
5 6 7		Municipal		5,797,354	923,851.73	0.1594
8 9 10		Street Lighting		875,439	135,419.24	0.1547
11 12 13 14 15			TOTALS	6,672,793	1,059,270.97	0.1587
16 17			TOTALO		0.00	
18 19			TOTALS TOTALS	0 6,672,793	0.00 1,059,270.97	0.1587
		PURC	HASED POWER (Accou	nt 555)		
Line No.		Names of Utilities from Which Electric Energy is Purchased	Where and at What Voltage Received	K.W.H	Amount	Cost per KWH (cents) (0.0000)
20	See Page	(a) es 54 & 55	(b)	(c)	(d)	(e)
21 22 23 24 25 26 27						
28						
29			TOTALS	0	0.00	
		SALE	S FOR RESALE (Accou	nt 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 31 32 33 34 35 36 37	See Page	(a) es 52 & 53				(6)
38 39			TOTALS	0	0.00	
39	<u> </u>		TOTALS	U	0.00	Next page is 37

Page 37

 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

Annual Report of the Town of Marblehead

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.

Year Ended December 31, 2019

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.

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

		Operating Rev	enues		Kilowatt-hours Solo	1		Average Num	ber of	
								Customers per	r Month	
				Increase or			Increase or			Increase or
		Amount for	Previous Year	(Decrease) from	Amount for	Previous Year	(Decrease) from	Number for	Previous Year	(Decrease) from
Line	Account	Year		Preceding Year	Year		Preceding Year	Year		Preceding Year
No.	(a)	(b)		(c)	(d)		(e)	(f)		(g)
1	SALES OF ELECTRICITY									
	449 Miscellaneous Electric Sales	0.00	0.00	0.00	0	· · · · · · · · · · · · · · · · · · ·	0	0	0	
2	440 Residential Sales	12,005,018.34	12,263,844.07	(258,825.73)	70,435,761	73,892,771	(3,457,010)	8,875	8,783	92
	Storage Heat	14,711.66	16,756.93	(2,045.27)	111,315	130,351	(19,036)	9	9	0
3	442 Commercial and Industrial Sales									
4	Small Commercial B Sales	1,846,185.77	1,707,048.55	139,137.22	10,042,766	9,300,471	742,295	1,216	1,230	(14)
5	Large Commercial C Sales	1,897,833.21	2,195,553.58	(297,720.37)	12,182,565	14,047,346	(1,864,781)	70	62	8
6	444 Municipal Sales	923,851.73	920,598.16	3,253.57	5,797,354	5,773,047	24,307	83	110	(27)
7	Private Area Lights	31,919.09	31,496.32	422.77	143,829	143,285	544	203	636	(433)
8	Hot Water	38,110.17	39,924.40	(1,814.23)	259,379	275,829	(16,450)	96	98	(2)
9	Off Peak	316.22	348.49	(32.27)	1,547	1,750	(203)	1	1	0
10	Street Lighting	135,419.24	128,102.51	7,316.73	875,439	875,439	0	1	1	0
11	Total Sales to Ultimate Consumers	16,893,365.43	17,303,673.01	(410,307.58)	99,849,955	104,440,289	(4,590,334)	10,554	10,930	(376)
12	447 Sales for Resale	0.00	0.00	0.00	0	· · · · ·	0	1	1	0
13	Total Sales of Electricity	16,893,365.43	17,303,673.01	(410,307.58)	99,849,955	104,440,289	(4,590,334)	10,555	10,931	(376)
14	OTHER OPERATING REVENUES									
15	449-1 Provision For Rate Stabilization	0.00	0.00	0.00						
16	451 Miscellaneous Service Revenues	126,398.07	37,712.95	88,685.12		* Includes revenue	* Includes revenue	s from	* Includes revenu	les from
17	453 Sales of Water and Water Power					application of fuel	application of fuel	clauses \$	application of fue	2,648,886.56
18	454 Rent from Electric Property									
19	455 Interdepartmental Rents									
20	456 Other Electric Revenues					Total KWH to whic	Total KWH to whic	h applied	Total KWH to wh	98,974,516
21										
22										
23										
24										
25	Total Other Operating Revenues	126,398.07	37,712.95	88,685.12						
26	Total Electric Operating Revenue	17,019,763.50	17,341,385.96	(321,622.46)						

Page 38

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 contra	ct. Municipal sale	s, contract sales and unbilled sales may b	e reported separately in tot	al.			
Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per KWH (cents) (0.0000)	Number of C (per Bills re July 31 (e)	
			70.405.704	40.005.040.04	(d)	0.000	0.004
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	13 5 9 10 3 M	Residential Storage Heat Commercial Industrial Private Area St Lighting Hot Water Off Peak Municipal Street Lighting	70,435,761 111,315 10,042,766 12,182,565 143,829 259,379 1,547 5,797,354 875,439	12,005,018.34 14,711.66 1,846,185.77 1,897,833.21 31,919.09 38,110.17 316.22 923,851.73 135,419.24	(d) 0.1704 0.1322 0.1838 0.2219 0.1469 0.2044 0.1594 0.1547	8,866 9 1,216 70 204 96 1 87 1	8,884 9 1,216 70 201 96 1 79 1
-		ES TO ULTIMATE RS (page 37 Line 11)	99,849,955	16,893,365.43	0.1692	10,550	10,557

Annual Report of the Town of Marblehead

Year Ended December 31, 2019

	ELECTRIC OPERATION AND MAINTENANCE EXPENSES		¥
	1. Enter in the space proved the operation and maintenance e		
	If the increases and decreases are not derived from previou	usly reported figures, explain i	
			Increase or
	Account	Amount for Year	(Decrease) from
Line	(a)	(b)	Preceding Year
No.			(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	0.0
13	Maintenance:	0.00	0.00
14			
14	510 Maintenance supervision and engineering 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	0.0
20	Total power production expenses -steam power	0.00	0.0
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	0.0
33	Maintenance:	0.00	0.0
34	528 Maintenance supervision and engineering		
35	529 Maintenance of Structures		
36	530 Maintenance of reactor plant		
30	531 Maintenance of electric plant		
	531 Maintenance of miscellaneous nuclear plant		
38 39	•	0.00	0.00
	Total Maintenance	0.00	0.0
40	Total power production expenses -nuclear power	0.00	0.0
41			
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	0.0

Annual Report of the Town of Marblehead

Year Ended December 31, 2019

Line No. 1 2 3	Account (a)	Amount for Year	Increase or (Decrease) from
2	· · ·	(b)	Preceding Year (c)
	HYDRAULIC POWER GENERATION - Continued		
3	Maintenance:		
	541 Maintenance Supervision and engineering		
	542 Maintenance of structures		
	543 Maintenance or reservoirs, dams and waterways		
	544 Maintenance of electric plant		
	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:		
	546 Operation supervision and engineering		
	547 Fuel	1,357.74	(8,006.76)
	548 Generation Expenses	0.00	893.80
	549 Miscellaneous other power generation expense	4,506.85	(3,396.15)
	550 Rents		
17	Total Operation	5,864.59	(10,509.11)
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21 5	553 Maintenance of generating and electric plant		
22	554 Maintenance of miscellaneous other power generation plant	106,525.91	(25,314.83)
23	Total Maintenance	106,525.91	(25,314.83)
24 25	Total power production expenses - other power OTHER POWER SUPPLY EXPENSES	112,390.50	(35,823.94)
26	555 Purchased power	7,662,329.38	(1,016,459.14)
	556 System control and load dispatching		, , ,
	557 Other expenses	2,282,615.86	(180,512.26)
29	Total other power supply expenses	9,944,945.24	(1,196,971.40)
30	Total power production expenses	10,057,335.74	(1,232,795.34)
31	TRANSMISSION EXPENSES		
32	Operation:		
	560 Operation supervision and engineering		
	561 Load dispatching		
	562 Station expenses		
	563 Overhead line expenses		
	564 Underground line expenses		
	565 Transmission of electricity by others		
	566 Miscellaneous transmission expenses		
	567 Rents		
41	Total Operation	NONE	NONE
42	Maintenance:		
	568 Maintenance supervision and engineering		
	569 Maintenance of structures		
	570 Maintenance of station equipment		
	571 Maintenance of overhead lines	0.00	0.00
	572 Maintenance of underground lines	0.00	0.00
	573 Maintenance of miscellaneous transmission plant		
48	Total maintenance	0.00	0.00
48 9 49			U.UU

Annual Report of the Town of Marblehead Year Ended December 31, 2019
ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

	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	69,513.02	8,463.99							
6	583 Overhead line expenses		-,							
7	584 Underground line expenses									
8	585 Street lighting and signal system expenses	7,721.62	(1,422.71)							
9	586 Meter expenses	81,477.08	8,202.96							
10	587 Customer installations expenses	36,619.06	1,530.33							
11	588 Miscellaneous distribution expenses	212,750.09	12,528.68							
12	589 Rents	212,700.05	12,020.00							
13	Total operation	408,080.87	29,303.25							
14	Maintenance:	400,000.07	29,303.23							
14										
	590 Maintenance supervision and engineering	0.00								
16	591 Maintenance of structures	0.00	40.005.00							
17	592 Maintenance of station equipment	87,981.02	10,205.80							
18	593 Maintenance of overhead lines	1,013,651.65	159,192.72							
19	594 Maintenance of underground lines	70,616.41	(17,471.39)							
20	595 Maintenance of line transformers	25,140.90	(42,635.15)							
21	596 Maintenance of street lighting and signal systems									
22	597 Maintenance of meters	16,155.76	6,318.51							
23	598 Maintenance of miscellaneous distribution plant									
24	Total maintenance	1,213,545.74	115,610.49							
25	Total distribution expenses	1,621,626.61	144,913.74							
26	CUSTOMER ACCOUNTS EXPENSES									
27	Operation:									
28	901 Supervision	108,444.22	(1,692.85)							
29	902 Meter reading expenses	36,619.06	1,530.34							
30	903 Customer records and collection expenses	231,268.56	15,137.39							
31	904 Uncollectible accounts	53,438.18	36,155.96							
32	905 Miscellaneous customer accounts expenses	4,523.47	1,497.60							
33	Total customer accounts expenses	434,293.49	52,628.44							
34	SALES EXPENSES									
35	Operation:									
36	911 Supervision									
37	912 Demonstrating and selling expenses									
38	913 Advertising expenses	114,661.11	28,765.22							
39	916 Miscellaneous sales expenses	,	_0,: 00:							
40	Total sales expenses	114,661.11	28,765.22							
41	ADMINISTRATIVE AND GENERAL EXPENSES		20,700.22							
42	Operation:									
43	920 Administrative and general salaries	181,935.25	(62,374.30)							
43	921 Office supplies and expenses	252,909.93	(13,255.36)							
44 45	921 Office supplies and expenses 922 Administrative expenses transferred - Cr	202,909.93	(13,200.30)							
		100 000 07	00 001 50							
46	923 Outside services employed	189,223.07	88,891.59							
47	924 Property insurance	37,646.86	(824.29)							
48	925 Injuries and damages	1,384.23	(9,216.52)							
49	926 Employee pensions and benefits	1,764,745.18	494,660.15							
50	928 Regulatory commission expenses									
51	929 Store Expense	F0 000 -0	10 170 00							
52	930 Miscellaneous general expenses	53,083.73	12,178.08							
53	931 Rents	5,793.88	(41,492.33)							
54	Total operation	2,486,722.13	468,567.02							

Annua	l Report of the Town of Marblehead	Year Ended Dece	ember 31, 2019	Page 42
	ELECTRIC OPERATION AND MA	INTENANCE EXP	PENSES - Contir	nued
			Amount	Increase or
Line	Account		for Year	(Decrease) from
No.	(a)		(b)	Preceding Year
				(c)
1	ADMINISTRATIVE AND GENERAL EXPE	NSES - Cont.		
2	Maintenance:		00 047 00	00 540 40
3	932 Maintenance of general plant		26,217.39	26,516.43
4	933 Transportation		64,687.80	82,045.30
5	Total Maintenance		90,905.19	108,561.73
6 7	Total Administrative and General Ex Total Electric Operation and Mainter		2,577,627.32 14,805,544.27	577,128.75 (429,359.19)
	SUMMARY OF ELECTRIC OPERA	TION AND MAIN	TENANCE EXPE	NSES
Line	Functional Classification	Operation	Maintenance	Total
No.	(a)	(b)	(c)	(d)
8	Power Production Expenses			
	Electric Generation:			
10	Steam Power:			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power	5,864.59	106,525.91	112,390.50
14	Other Power Supply Expenses	9,944,945.24	,	9,944,945.24
	Total Power Production Expenses	9,950,809.83	106,525.91	10,057,335.74
	Transmission Expenses		0.00	0.00
	Distribution Expenses	408,080.87	1,213,545.74	1,621,626.61
	Customer Accounts Expenses	434,293.49		434,293.49
	Sales Expenses	114,661.11		114,661.11
	Administrative and General Expenses	2,486,722.13	90,905.19	2,577,627.32
21	Power Production Expenses	3,443,757.60	1,304,450.93	4,748,208.53
22		13,394,567.43	1,410,976.84	14,805,544.27
23	Ratio of operating expenses to operating re (carry out decimal two places, (e.g., 0.00%) Compute by dividing Revenues (Acct 400) i and Maintenance Expenses (Page 42, line and Amortization (Acct 407)	nto the sum of Op		93.93%
24	Total salaries and wages of electric departr amounts charged to operating expenses, co accounts.	•	-	2,331,731.51
25	Total number of employees of electric depa including administrative, operating, mainten other employees (including part-time emplo	ance, construction		23

Page 4	Annual Report of	the Town of M					Year Ended D	ecember 31, 2019	
			TAXES CHARGE	DURING THE YE	AR				
1. This sch	edule is intended to give the account distribution of tota	I	3. The aggregate of ea	ich kind of tax should be	listed under the appropr	riate	5. For any tax which it was necessary to apportion		
axes charg	ed to operations and other final accounts during the yea	ar.	heading of "Federal", "S	State" and "Local" in such	n manner that the total ta	ах	more than one utility dep	partment account, state	in a
2. Do not ir	clude gasoline and other sales taxes which have been		for each State and for a	all subdivisions can be re	adily ascertained.		footnote the basis of ap	portioning such tax.	
charged to a	accounts to which the material on which the tax was lev	ied	4. The accounts to whi	ch the taxes charged we	re distributed should be		Do not include in this	schedule entries with r	espect
which the ta	ax was levied was charged. If the actual or estimated an	nounts	shown in columns (c) to	(h). Show both the utility	y department and numb	er	to deferred income taxe	s, or taxes collected three	ough
of such taxe	es are known, they should be shown as a footnote and			or taxes charged to utility		of	payroll deductions or oth	nerwise pending transm	ittal
designated	whether estimated or actual amounts		the appropriate balance	e sheet plant account or	subaccount.	[of such taxes to the taxi	ng authority.	r
		Total Taxes							
		Charged	-						
Line	Kind of Tax	During Year	Electric	Gas					
No.	(a)	(omit cents)	Acct 408,409	Acct 408,409		(0)		(1)	
4 14	assachusetts Sales Tax	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	assactiuseus sales tax	156,532	241000						
2 3									
3									
4 5									
5 6									
7									
8									
о 9									
9 10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	TOTALS	156,531.98	1						

Annual Report of the Town of Marblehead

Year Ended December 31, 2019

Annual Report of the Town of Marblehead Year Ended December 31, 2019 Page 50								
	OTHER UTILITY O	PERATING INCO	ME (Account 414	l)				
	Report below the	particulars called f	or in each column					
	Property	Amount of Investment	Amount of Department	of Operating Expenses	(Loss) from Operation			
	(a)	(0)	(C)	(d)	(e)			
Line No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 37 38 39 40 41 42 43 44 45 46 45 46 45 46 45 46 45 46 45 46 45 46 45 46 45 46 46 46 47 46 46 47 47 48 49 40 41 42 43 44 45 46 47 46 46 47 46 46 47 46 47 46 46 47 46 46 47 46 46 46 46 46 46 46 46 46 46		Amount of	Amount of	Amount of Operating				
47 48 49								
50								
51	TOTALS							

Annual	Report of	the Town	of Marblehead
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Year Ended December 31, 2019

		E, JOBBING, A		WORK (Accour	
	Report by utility departments the revenue, co and contract work during the year.	osts, expenses, a	ind net income fr	om merchandisii	ng, jobbing,
		Electric	Gas	Other Utility	
Line	ltem	Department	Department	Department	Total
No.	(a) Revenues:	(b) N/A	(C)	(d)	(e)
2	Merchandise sales, less discounts,	IN/A			
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					
	Costs and Expenses:				
14 15	Cost of sales (list according to major classes of cost)				
16					
	Materials				
	Outside Service Labor				
19					
20					
21					
22 23					
23					
25					
	Sales Expenses				
	Customer accounts expenses				
	Administrative and general expenses				
29 30					
31					
32					
33					
34					
35 36					
37					
38					
39					
40					
41					
42 43					
43					
45					
46					
47					
48 49					
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

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

 Provide subheadings and classify sales as to (1) Associ ated 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.

			Export			Kw o	r Kva of Dem	and
Line No.	Sales to: (a)	Statistical Classification (b)	Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	NONE							
2 3								
3								
5								
5 6								
7								
8 9								
10								
11								
12								
13 14								
14								
16								
17								
18 19								
20								
21								
22								
23 24								
24								
26								
27								
28 29								
29 30								
31								
32								
33 34								
34 35								
36								
37								
38								
39 40								
40								
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).

 The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers
 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	Voltage		Revenue (Omit Cents)								
Demand Reading (i)	at Which Delivered (j)	Kilowatt- Hours (k)	Capacity Charges (I)	Energy Charges (m)	Other Charges (n)	Total (o)	per kwh (CENTS) (0.0000) (p)	Line No.			
		0	0.00			0.00	N/A	1 2			
								2 3 4			
								5 6			
								7 8			
								9			
								10 11			
								12			
								13 14			
								15			
								16 17			
								18			
								19 20			
								21			
								22 23			
								24			
								25 26			
								27			
								28 29			
								30			
								31 32			
								33 34			
								35			
								36 37			
								38			
								39 40			
								41			
	TOTALS:	0	0.00	0.00		0.00		42			

Annual Report of the Town of Marblehead

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

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.
 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).

						Kwo	or Kva of Dei	mand
Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
	MMWEC:	(U)	(0)	(u)	(0)	(1)	(9)	(1)
	New York Power Authority	FP	х	TOWN LINE		1322		
	Stonybrook Peaking	0		TOWN LINE		2716		
	Stonybrook Intermediate	Ō		TOWN LINE		9206		
	Nuclear Mix 1 (Seabrook)	0	х	TOWN LINE		67		
	Nuclear Mix 1 (Millstone)	0	х	TOWN LINE		682		
7	Nuclear Project 3 (Millstone)	0	Х	TOWN LINE		682		
8	Nuclear Project 4 (Seabrook)	0	Х	TOWN LINE		1086		
9	Nuclear Project 5 (Seabrook)	0	Х	TOWN LINE		1320		
10	W.F.Wyman	0	Х	TOWN LINE		163		
11	Hydro Quebec	0	Х	TOWN LINE		1730		
12	ISO OATT							
13	NE Power							
	System Power	DP		TOWN LINE				
	Berkshire Wind Power Coop PH I	0		TOWN LINE				
	Eagle Creek	0		TOWN LINE		600		
	Hancock Wind	0	Х	TOWN LINE		951		
	Berkshire Wind Power Coop PH II	0	Х	TOWN LINE				
	Subtotal MMWEC							
20								
	Eversource							
22								
23								
24								
25 26								
26 27								
27								
20								
30								
31								
32								
33								
34								
35								
36								
37								
38								

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).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.

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

Type of	Voltage		Cost	of Energy (Om	it Cents)		KWH	
Demand	at Which	Kilowatt-	Capacity	Energy	Other		(CENTS)	
Reading	Delivered	Hours	Charges	Charges	Charges	Total	(0.0000)	Line
(i)	(j)	(k)	(I)	(m)	(n) **	(o)	(p)	No.
60 Minutes	22,900	9,466,800	67,997.11	47,079.89	104,445.53	219,522.53	\$0.0232	1 2
60 Minutes	22,900	24,302	50,887.77	4,518.94	2,900.91	58,307.62	\$2.3993	3
60 Minutes	22,900	1,201,156	338,832.72	34,068.91	10,720.13	383,621.76	\$0.3194	4
60 Minutes	22,900	664,291	16,888.98	3,502.33	39.80	20,431.11	\$0.0308	5
60 Minutes	22,900	5,695,301	178,249.40	32,300.91	5,392.99	215,943.30	\$0.0379	6
60 Minutes	22,900	8,965,707	283,412.94	50,849.02	8,489.72	342,751.68	\$0.0382	7
60 Minutes	22,900	12,522,839	320,613.79	66,024.17	750.63	387,388.59	\$0.0309	8
60 Minutes	22,900	1,543,967	40,177.92	8,140.25	92.56	48,410.73	\$0.0314	9
60 Minutes	22,900	883	22,732.93	314.28	(89,854.25)	(66,807.04)	ψ0.001 4	10
oo minutes	22,900	000	(72,494.89)	514.20	(26,520.07)	(99,014.96)		11
	22,300		(12,434.03)		2,037,709.28	2,037,709.28		12
					165,864.59	165,864.59		12
	22.900	38,107,850	292,950.00	1,846,067.92	105,004.55	2,139,017.92	\$0.0561	13
60 Minutes	22,900	2,570,825	328,705.74	100,289.73	(54,132.36)	374,863.11	\$0.1458	14
60 Minutes	22,900	2,138,124	520,705.74	109,792.68	(34,132.30)	109,908.63	\$0.0514	15
60 Minutes	22,900	2,718,603		147,772.51	107.52	147,880.03	\$0.0544	16
60 Minutes	22,900	570,313	141,737.52	41,151.54	107.52	182,889.06	\$0.3207	17
oo minutes	22,300	86,190,961	2,010,691.93	2,491,873.08	2,166,122.93	6,668,687.94	\$0.0774	18
		00,100,001	2,010,001.00	2,431,070.00	2,100,122.00	0,000,007.04	ψ0.0774	19
	22,900				2,140.00	2,140.00		20
	22,000				2,140.00	2,140.00		21
								22
								23
								24
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	86,190,961	2,010,691.93	2 491 873 08	2,168,262.93	6,670,827.94	0.0774	42

Page 56		the Town of Marblehead ITERCHANGE POWER (Inclu	dad in Account	+ 555)		Year Ended December	31, 2019
 Report below the kilowatt-hours received and delivered during the year and the net charge or cru under interchange power agreements. Provide subheadings and classify interchange as to (1) Associated Utilities, (2) Nonassociated U ies, (3) Associated Nonutilities, (4) Other Non- tilities, (5) Municipalities, (6) R.E.A. Cooperatives and (7) Other Public Authorities. For each inter- change across a state line place an "x" in column 3. Particulars of settlements for interchange power 	edit 25 tili- 3, (b). /er	shall be furnished in Part B, Details Interchange Power. If settlement fo also includes credit or debit amount increment generation expenses, she component amounts separately, in a or credit for increment generation e a brief explanation of the factors an which such other component amoun mined. If such settlement represent and credits under an interconnection	of Settlement for r any transaction s other than for ow such other addition to debit xpenses, and giv d principles unde nts were deter- ts the net of debit n, power pooling,	e r is	copy of the annual su ings among the partia amount of settlement transaction does not credits covered by th a description of the o the amounts and acc amounts are included	r such arrangement, submit ummary of transactions and es to the agreement. If the t reported in this schedule for represent all of the charges e agreement, furnish in a fo ther debits and credits and counts in which such other d for the year.	bill- or any s and potnote
		mary of Interchange According	to Companies	s and Points of	Interchange		
Line Name of Company No. (a)	Inter- change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter- changed (d)	Received (a)	Kilowatt-hours Delivered (f)	Net Difference (g)	Amount of Settlement (h)
1 NEPEX 2 3 4 5 6 7 8 9 10				109,915,670	90,715,180	19,200,490	3,195,953.7
11 12			TOTALS	109,915,670	90,715,180	19,200,490	3,195,953.7
		B. Details of Settlem		, ,	00,710,100	10,200,400	0,100,000.17
ine Name of Company No. (i)		D. Details of Settler	Explanation (i)				Amount (k)
13 NEPEX 14 15 16 17 18 19	Interchange Exp Nepool and Adn	ense ninistration Expense	¥/				3,029,273.3 166,680.4
20 21						TOTAL	3,195,953.7

Annual Report of the Town of Marblehead

Year Ended December 31, 2019

Page 57

Report belov	v the information called for concerning the disposition of e	electric energy generated, purcl	nased and interchanged for	the year.				
Line.	Item			Kilowatt-hours				
No.	(a)	(b)						
1	SOURCES OF ENERGY							
2	Generation							
3	Steam							
4	Nuclear							
5	Hydro							
6	Other - Diesel	5,936						
7	Total Generation			5,936				
	Purchases			86,190,961				
9		(In (gross)	109,915,670					
	Interchanges	< Out (gross)	90,715,180					
11		(Net (Kwh)	1	19,200,490				
12		(Received						
	Transmission for/by others (wheeling)	< Delivered		_				
14		(Net (Kwh)						
-	TOTAL			105,397,387				
16								
	Sales to ultimate consumers (including interde	99,849,955						
	Sales for resale							
	Energy furnished without charge							
20 21	Energy used by the company (excluding static	500 CE4						
	Electric department only			529,651				
22	Energy losses Transmission and conversion lo		(_				
23 24	Distribution losses	1						
24	Unaccounted for losses							
25	Total energy losses	5 017 781						
20 27	Energy losses as percent of total	al on line 15	4.76%	5,017,781				
28	Lifergy losses as percent of tota		4.70%	105,397,387				

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 neasured 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

mergency 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.

MARDLEREAD									
			Monthly Output						
			Day of	Day of		Type of	(kwh)		
Line	Month	Kilowatts	Week	Month	Hour	Reading	(See Instr. 4)		
No.	(a)	(b)	(C)	(d)	(e)	(f)	(g)		
29	January	22,509	Monday	21	1900	Demand	10,102,329		
30	February	18,954	Tuesday	12	1900	Demand	8,484,956		
31	March	18,072	Wednesday	6	1900	Demand	8,619,645		
32	April	14,940	Tuesday	9	2000	Demand	7,351,353		
33	May	14,418	Monday	20	2100	Demand	7,422,291		
34	June	16,767	Saturday	29	1600	Demand	7,698,825		
35	July	30,555	Sunday	21	1800	Demand	12,092,094		
36	August	26,064	Monday	19	1600	Demand	10,305,953		
37	September	19,782	Monday	23	2000	Demand	7,817,823		
38	October	14,859	Sunday	27	1900	Demand	7,441,488		
39	November	17,478	Wednesday	13	1900	Demand	8,346,913		
40	December	20,430	Wednesday	18	1900	Demand	9,713,717		
41						TOTAL	105,397,387		

MARBLEHEAD
GENERATING STATIONS

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 Hw* 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 ore 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, sssspecifying 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 ct. ft.

7. Quantities of fuel consumed and the average cost per unit of fuel

consumered should be consistent with charges to expense 501 and Plant Plant Plant Line Item No. (a) (b) (c) (d) 1 Kind of plant (steam, hydro, int. com. Gas turbine Int. Comb. 2 Type of plant construction (conentional, outdoor Conventional boiler, full outdoor, etc.) 1975 3 Year originally constructed 1975 4 Year last unit was installed 5 Total installed capacity (maximum generator name 5.500 plate ratings in kw) 5,100 6 Net peag demand on plant-kilowatts (60 min.) 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 consenser water 11 1 Average number of employees 5,936 12 Net generation, exclusive of station use 13 Cost of plant (omit cents): 10,696.49 14 Land and land rights 312,769.33 15 Structures and improvements 16 Reservoirs, dams, and waterways 2,298,737.04 17 Equipment costs 18 Roads, railrodadss, and bridges 2,622,202.86 19 -Total cost 20 514.16 Cost per kw of installed capacity 21 Production expenses: 22 Operation supervision and engineering 23 106,525.91 Station labor 24 1,336.93 Fuel 25 4,506.85 Suppliles and expenses, including water 26 Maintenance 27 Rents 28 Steam from other sources 29 Steam transferred - Credit 30 112,369.69 -Total Production expenses 18.93020 31 Expenses per net Kwh (5 places) No 2 Fuel Oil 32 Fuel: Kind 33 Unit: (Coal-tons of 2,000 lb..) (Oil-barrels of 42 **Barrels** gals.) (Gas-M cu. Ft.) (Nuclear, indicate) 34 19

140,000

96.6

96.6

32.86

.30

338

Quantity (units) of fuel consumed 35 Average heat content of fuel (B.t.u. per lb. Of coal, per gal. Of oil or per cu. Ft. of gas) 36 Average cost of fuel per unit del. f.o.b. plant 37 Average cost of fuel per unit consumed 38 Average cost of fuel consumered per million B.t.u. 39 Average cost of fuel consumer per kwh net gen. 40 Average B.t.u. per kwh net generation

Year Ended December 31, 2019

GENERATING STATION STATISTICS (Large Stations) -- Contunued

(Except Nuclear, See Instuction 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

operations with a conventional steam unit, the gas turbine shold 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 tthe 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 operation characteristics of the plant

	rate plant. However, if a gas turbine unit functions in a combined fuel used, and other physical and operating characteristics of the plant.					
Plant	Plant	Plant	Plant	Plant	Plant	Line
(e)	(f)	(g)	(h)	(I)	(j)	No
						1
						2
						4
						5
*** NONE ***						6
						7
						8
						9
						10
						11
						12
						13
						14
						15
						16 17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28 29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						40
						41
				1		42

Year Ended December 31, 2019

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,

					Boilers	;	
Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Kind of Fuel and Method of Firing (d)	Rated Pressure in Ibs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M Ibs. Steam per Hour (g)
		(b)					

Year Ended December 31, 2019

STEAM GENERATING STATIONS -- Continued

expenses ro 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 lesse, 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-Genera	ors*					
				Name Plat	e Rating						
		Steam Pressure		in Kilov At	watts At	Hydro	aan			Station Capacity	
Year		at		Minimum	Maximum	Press	ure**	Power	Voltage	Maximum	
Installed	Туре	Throttle	R.P.M.	Hydrogen	Hydrogen			Factor	K.v.++	Name Plate	
		p.s.l.g.		Pressure	Pressure	Min.	Max.			Rating*+	Line
(h)	(I)	(j)	(k)	(I)	(m)	(n)	(o)	(p)	(q)	(r)	No.
											4
											1 2
											3
											4
											5
											6
	*** NONE ***										7 8
											9
											10
											11
											12
											13 14
											14
											16
											17
											18
											19
											20 21
											21
											23
											24
											25
											26
											27 28
											29
											30
											31
											32
											33
											34 35
											36
		·			TOTALS		•				37

Year Ended December 31, 2019

HYDROELECTRIC GENERATING STATIONS

 Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
 Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
 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 therof, 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

					Water W	heels	
Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
$\begin{array}{c}1\\2\\3\\4\\5\\6\\7\\8\\9\\10\\11\\12\\13\\14\\15\\16\\17\\18\\19\\20\\21\\22\\23\\24\\25\\26\\27\\28\\29\\30\\31\\32\\33\\34\\35\\36\\37\end{array}$	*** NONE ***						

Year Ended December 31, 2019

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.

	Continued			Gene	erators				
Design Head R.P.M. (h) (l)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (I)	Phase (m)	Fre- quency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)	Total Installed Generating Capacity in Kil- owatts (name plate ratings) (q)	Line No.
	*** NONE ***				TOTALS				1 2 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 38 39 30 31 32 33 34 35 36 37 37 38 39 30 31 31 32 31 32 33 34 35 36 37 37 38 37 38 37 38 37 38 37 38 38 38 38 38 38 38 38 38 38

Page 64

COMBUSTION ENGINE AND OTHER GENERATING STATIONS (except nuclear stations)

Т

 Report the information called for concerning generaing stations and equipment at end of year. Show associated prime movers and generators on the same line.
 Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
 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 leas, 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 arragement and giving particulars as to such matters as percent owner-

					Prime Movers		
			Diesel or				Belted
Line	Name of Station	Location of Station	Other Type	Name of Maker	Year	2 or 4	or Direct
			Engine		Installed	Installed	Connected
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	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 7							
6							
(
8 9							
9							
10 11							
11							
12							
14							
15							
16							
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34							
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36							
37							
38							
39					ļ		

Page 65

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 comtemplated.

Rated hp. of Unit Total Rated hp. of station Year Installed Year Voltage Phase Name Plate Rating of Unit in Klowatts Number of Units in Station Total Installed Generating Capacity (non plate ratings) (h) (i) (k) (i) (m) (n) (n) (i) (i) (ii) (iii) (iiii) (iii) (iii) </th <th>Prime</th> <th>Movers - Contir</th> <th>nued</th> <th></th> <th></th> <th>Generat</th> <th>ors</th> <th></th> <th>_</th> <th></th>	Prime	Movers - Contir	nued			Generat	ors		_	
3600 3600 1975 4160 3 60 2750 1 2750 2 3600 3600 1975 4160 3 60 2750 1 2750 2 3600 3600 1975 4160 3 60 2750 1 2750 2 3600 1975 4160 3 60 2750 1 2750 2 3600 1975 4160 3 60 2750 1 2750 3 3600 1975 4160 3 60 2750 1 2750 1 3 3600 1975 4160 3 60 2750 1 <td>of Unit</td> <td>of station Prime Movers</td> <td>Installed</td> <td></td> <td></td> <td>or d.c.</td> <td>Rating of Unit in Kilowatts</td> <td>of Units in Station</td> <td>Generating Capacity in Kilowatts (name plate ratings)</td> <td></td>	of Unit	of station Prime Movers	Installed			or d.c.	Rating of Unit in Kilowatts	of Units in Station	Generating Capacity in Kilowatts (name plate ratings)	
3600 3600 1975 4160 3 60 2750 1 2750 2 3 4 5 6 7 7 8 8 9 9 9 9 9 9 9 9 9 9 1	(h)	(i)			(I)	(m)	(n)	(o)	(q)	
1 1								1		
	3600	3600	1975	4160	3		2750	1	2750	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 24 25 26 27 28 30 31 32 33 34 35 36 37 38

Installed Name of Plant Installed Capacity Year Installed Capacity Rating-KW Net Generation Rating-KW Net Generation Station Plant Cost of Plant Use Plant Cost of Plant (Omit Cents) Production Expenses Exclusive of Depreciation Installed Net Cost of Plant Production Expenses (Omit Cents) Per Kind Net Generation (Cost (Omit Cents) Production Expenses (Omit Cents) Per Kind Net Generation (Cost (Omit Cents) Production Expenses (Omit Cents) Per Kind Net Generation (Cost (Omit Cents) N	Annua	I Report of the Tow	n of Marblehead							Year Ended	December 31	, 2019	Page 66
schedulg an steam of hyto status of less han 20.0 KWY and perform plate satisfies of KWY registration of less than 50 KWY and 2500 KWY. expectively, 1 annual electric operating page 35 bit the status of the facts in a steam of the facts in			G	GENERATING	STATION ST	TATISTICS - (Small Stations)						
Installed Name of Plant Installed Capacity Peak Name Net Generation Peak Name Net Generation Cast of Plant Plant Cost of Plant (Omit Cents) Production Expenses Exclusive of Depreciation Inst. Peak Cost of Plant Peak Cost of Plant Production Expenses Exclusive of Depreciation Peak Inst. Peak Cost of Plant Line (a) (b) (c) (d) (e) (f) (c) (d) (f) (d) (f) (f) <t< td=""><td>schedul 2,500 K installec and 2,50 revenue 2. Desig</td><td>e, are steam and hydro s W* and other stations of I capacity (name plate ra 00 KW, respectively, if an s of respondent are \$25 nate any plant leased fro</td><td>stations of less than less than 500 KW* titings). (*10,000 KW nnual electric operating ,000,000 or more. om others, operated</td><td></td><td>statement of the fact 3. List plants appro- steam, hydro, nucle gas turbine stations page 59. 4. Specify if total pl</td><td>ets in a footnote. priately under subhe ear internal combusti For nuclear, see in ant capacity is repor</td><td>adings for on engine and nstructions 10</td><td></td><td>give that which 6. If any plant is steam, hydro, ir equipment, eac plant. However turbine is utilize</td><td>is available, spece s equipped with c Internal combustion h should be repo , if the exhaust h d in a steam turb</td><td>cifying period. ombustions of on engine or gas rted as a separa eat fro the gas</td><td>turbine te</td><td></td></t<>	schedul 2,500 K installec and 2,50 revenue 2. Desig	e, are steam and hydro s W* and other stations of I capacity (name plate ra 00 KW, respectively, if an s of respondent are \$25 nate any plant leased fro	stations of less than less than 500 KW* titings). (*10,000 KW nnual electric operating ,000,000 or more. om others, operated		statement of the fact 3. List plants appro- steam, hydro, nucle gas turbine stations page 59. 4. Specify if total pl	ets in a footnote. priately under subhe ear internal combusti For nuclear, see in ant capacity is repor	adings for on engine and nstructions 10		give that which 6. If any plant is steam, hydro, ir equipment, eac plant. However turbine is utilize	is available, spece s equipped with c Internal combustion h should be repo , if the exhaust h d in a steam turb	cifying period. ombustions of on engine or gas rted as a separa eat fro the gas	turbine te	
No. (a) (b) (c) (d) (e) (f) (g) (h) (l) (j) (k) (j) 1 N/A		Name of Plant		Capacity Name Plate	Demand KW	Generation Excluding Station		Cost Per KW Inst.	Exclusive of and T (Omit 0	Depreciation axes Cents)		of	Fuel Cost Per KWH Net Generation (Conts)
1 N/A 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		(a)		•	. ,		. ,						0.00 (l)
27 28 TOTALS	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27												

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Page 67

	TRANSMISSION LINE STATISTICS Report information concerning transmission line as indicated below.									
				Type of	Length (P	ole Miles)	Number	Size of		
	Des	ignation	Operating	Supportive	On Structures of	On Structures of	of	Conductors		
Line	From	То	Voltage	Structure	Line Designated	Another Line	Circuits	and Material		
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
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					
		Clifton Sub	13.2 KV	Wood Pole	1.40					
	0	Clifton Sub	13.2 KV	Wood Pole		2.40 *				
	Village-13 Sub		13.2 KV	Wood Pole		1.30 *				
7		Commercial Sub	13.2 KV	Underground	1.90					
8	0		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 *				
11 12										
12										
13										
15										
16										
17										
18										
19										
20										
21										
22										
23						* Distribution Pole	Line			
24										
25 26										
20										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39 40										
40										
41										
43										
44										
45										
46										
47	47 TOTALS 6.85 5.37 *									
	* where other th	an 60 cycle, 3 phas	e, so indica	te.						

ok

Page 68

 Report below the information called for concerning substations of the respondent as of the end of the year.

 Substations which serve but one industrial or street railway customer should not be listed hereunder.

 Substations with capacities of less that 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. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.

Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
 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.

SUBSTATIONS

									Convers	sion Appara	atus and
		Character		Volta	age	Capacity of	Number of	Number of	Spe	cial Equipr	nent
	Name and Location	of				Substation in kva	Transformers	Spare	Type of	Number	Total
Line	of Substation	Substation	Primary	Secondary	Tertiary	(In Service)	In Service	Transformers	Equipment	of Units	Capacity
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Clifton Substation	Distribution	13,200	4,160		18,700	2	NONE	NONE	NONE	NONE
2	off Ames Road	Unattended									
3	Beacon Substation	Distribution	13,200	4,160		7,000	1	NONE	NONE	NONE	NONE
4	off Woodfin Terrace	Unattended									
5	Commercial Substation	Distribution	13,200	4,160		18,750	2	NONE	NONE	NONE	NONE
6	off Commercial St	Unattended									
7	Village-5 Substation	Distribution	22,900	4,160		30,000	2	NONE	NONE	NONE	NONE
8	off Village St	Unattended									
9	Village-13 Substation	Distribution	22,900	13,200		40,000	2	NONE	NONE	NONE	NONE
10	off Village St	Unattended									
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26					TOTALS	114,450	9	NONE	NONE	NONE	NONE

	OVERHEAD DISTRIBUTION LINES OPERATED										
Line				Length (Pole N	liles)						
No.			Wood Poles	Steel Towers	Total						
1	Miles Beginning of Year		88.129		88.129						
2	Added During Year		0.00		0.00						
	Retired During Year		0.00		0.00						
4	Miles End of Year		88.129	0.00	88.129						
5 6 7 8 9 10 11 12 13 14 15		60 Cycles	2400/4160 120/240 120/208 277/480								
	ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS										

				Line T	ransformers
		Electric	Number of		Total
Line	Item	Services	Watt-hour	Number	Capacity
No.			Meters		(kva)
16	Number at beginning of year:	8,341	10,434	1,235	62,401.5
17	Additions during year				
18	Purchased		80	27	802.5
19	Installed	0			
20	Associated with utility plant acquired				
21	Total Additions	0	80	27	802.5
22	Reductions during year:				
23	Retirements	0	25	30	842.5
24	Associated with utility plant sold				
25	Total Reductions	0	25	30	842.5
26	Number at end of year	8,341	10,489	1,232	62,361.5
27	In stock		197	75	3,957.0
28	Locked meters on customers' premises		25		
29	Inactive transformers on system				
30	In customers' use		10,249	1,157	58,404.5
31	In company's use		18		
32	Number at end of year		10,489	1,232	62,361.5

ok

	Report of the Town of Marblehead CONDUIT, UNDERGROUN	D CABLE AND SUBMA			nber 31, 2019 /stem)		Page 70
F	Report below the information called for concerni						
			Miles of Conduit Bank		Underground Cable		arine Cable
Line D	Designation of Underground System	(All Sizes	and Types)	Miles *	Operating	Feet *	Operating
No.	(a)		(b)	(c)	Voltage (d)	(e)	Voltage (f)
	Balance 12/31/2002:		25.606	57.36	(u)	(0)	(1)
	Additions 2003:		20.000	01.00			
	Clifton Sub - Garden Ckt *3			0.84			
	Additions 2004:			0.04			
	Green Street	4" pvc x 2	0.18	0.69			
	Additions 2005:	+ pv0 x 2	0.10	0.00			
	School Street	4" pvc x 2	0.03	0.09			
-	Essex Street	4" pvc x 2	0.03	0.09			
-	Humphrey Street	4" pvc x 2	0.08	0.03			
	Highland Project	5" pvc x 2	0.00	0.24			
	Clipper Way	5" pvc x 2	0.13	0.07			
	Harvard Street	4" pvc x 2	0.13	0.13			
	Thomas Circle	4" pvc x 2	0.04	0.04			
	Additions 2006:	4 pvc x 2	0.03	0.03			
		41	0.44	0.14			
	∟eggs Hill Road	4" pvc x 2	0.11	0.11			
	Fower School	4" pvc x 2	0.07	0.07			
	Additions 2007:	411 0	0.40	0.40			
	YMCA	4" pvc x 2	0.19	0.19			
-	Vestminster	5" pvc x 2	0.11	0.11			
	Additions 2008:						
	Highland Project	5" pvc x 2	0.10	0.30			
	Causeway	5" pvc x 4	0.98	2.94			
	Additions 2009:						
	/illage School	4" pvc x 2	0.09	0.27			
	Crowninshield #22	4" pvc x 2	0.06	0.06			
26 A	Additions 2010:						
	Fedesco Country Club	4" pvc x 2	0.04	0.06			
28 5	Stramski's Way	4" pvc x 2	0.21	0.11			
29 /	Additions 2011:						
30 N	National Grand Bank	4" pvc x 1	0.03	0.08			
31 0	Osborne Bidg Pleasant Street	4" pvc x 1	0.02	0.05			
32 L	_eggs Hill Road	4" pvc x 1	0.03	0.09			
33 A	Additions 2012:						
34 0	Camille Terrace	4" pvc x 1	0.07	0.07			
35 /	Additions 2013:	-					
36 L	incoln Avenue to Woodfin Property	4" pvc x 1	0.03	0.03			
	Additions 2014:						
38 E	Blueberry Road	4" pvc x 2	0.06	0.06			
	Additions 2016:						
	Captain's Walk Lane	4" pvc x 1	0.05	0.05			
	Cloutmans Lane	4" pvc x 1	0.03	0.03			
	Additions 2017:						
43 E	Beacon Street	4" pvc x 1	0.03	0.03			
	Ocean Avenue	4" pvc x 2	1.02	3.85			
	Flint Street	4" pvc x2	0.04	0.15			
46			0.01	55			
47							
48							
49							
5 0							
51	то	TALS	29.784	69.09			
	* Indicate number of conductors per cal		20.704	00.00		1	

ok

STREET LAMPS CONNECTED TO SYSTEM

		REEI	LAMPS CONNECTED TO SYSTEM							
						Ту	/pe			
			LED		Mercury	Vapor	Florescent	& Quartz	Sodiu	
Line	City or Town	Total	Municipal	Other	Municipal	Other	Municipal	Other	Municipal	
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i) 225	(j)
1	Marblehead	1980	1755	NONE	(e) NONE	NONE	NONE	NONE	225	
2										
3										
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50										
51										
52		1980	1755	0	0	0	0	0	225	0
52	101763	1000	1755	U	0	0	0		ext Page is	0

Year Ended December 31, 2019

or decrease in annual revenues predicted on the previous year's operations.						
Effective	M.D.P.U.	Rate Schedule		Effect on		
Date	Number		Annual R			
			Increases	Decrease		

INDEX

	IND		
			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 Submarin	e 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 L	ine Transfo	rmers	69
Electric Energy Account			57
Electric Operating Revenues			37
Electric Operation and Maintenance Expension	ses		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 C	contract Wo	rk	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 Intercha	inge)		54-55
Rate Schedule Information	<u>9</u> 0)		79
Sales for Resale			22
Sales for Resale Detailed			52-53
Sales of Electricity to Ultimate Consumers			38
Schedule of Estimates			4
Signature Page			81
Steam Generating Stations			60-61
Streetlamps			71
Substations			68
Taxes Charged During Year			49
Town Notes			7
Transmission Line Statistics			67
Utility Plant-Electric			15-17
FOR GAS PLANTS ONLY:	Page		Page
Boilers	75	Purifieers	76
Gas Distribution Services, House		Record of Sendout for the Year in MCI	72-73
Governors and Meters	78	Sales for Resale	48
Gas Generating Plant	74	Sales of Gas to Ultimate Customers	44
Gas Operating Revenues	43	Sales of Residuals	48
	45-47	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses			
Gas Operation & Maintenance Expenses Holders	76	Transmission and Distribution Mains	77

PAGES INTENTIONALLY OMITTED : 9, 13, 23 TO 36, 72 TO 78, 80

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the Town of Marblehead

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2019

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

Form AC-19

I

		Mayor
Joséph T. Rowalik	, Cl	Manager of Electric Ligh
May Muchael A. Hull	Commission Chairman	
Water How-	Commissioner	Selectmen
Walter E. Homan	Commissioner	or Members of the
Michael A. Tumulty	Commissioner	Municipal
Michael J. Maccerio	Commissioner	Deerd
Carl A. Johnson	Commissioner	