



The Commonwealth of Massachusetts

RETURN

OF THE

MUNICIPAL LIGHT DEPARTMENT

OF THE

TOWN OF MERRIMAC

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2021

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

Official Title: Manager of Electric Light

Mary Usovicz

Office Address: 10 West Main Street
Merrimac, MA 01860

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

To the Merrimac Municipal Light Board
Merrimac Municipal Light Department
Merrimac, Massachusetts 01860

Management is responsible for the accompanying financial statements of Merrimac Municipal Light Department, which comprise the balance sheet as of December 31, 2021, and the related statement of income and retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. We do not express an opinion, a conclusion, nor provide any assurance on the financial statements included in the accompanying prescribed form.

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

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

Goulet, Salvidio & Associates P.C.

Goulet, Salvidio & Associates, P.C.

Worcester, Massachusetts
July 26, 2022

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GENERAL INFORMATION**Page 3**

- | | | | |
|-----|--|---------------------------|--------------------|
| 1. | Name of town (or city) making report. | Merrimac | |
| 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, | Electric | 1904 |
| 3. | Name and address of manager of municipal lighting: | | |
| | Mary Usovicz | 10 West Main Street | Merrimac, MA 01860 |
| 4. | Name and address of mayor or selectmen: | | |
| | Joel Breen | 2 School Street | Merrimac, MA 01860 |
| | Benjamin Beaulieu | 2 School Street | Merrimac, MA 01860 |
| | Chris Manni | 2 School Street | Merrimac, MA 01860 |
| 5. | Name and address of town (or city) treasurer: | | |
| | Carol McLeod | 2 School Street | Merrimac, MA 01860 |
| 6. | Name and address of town (or city) clerk: | | |
| | Gwendolyn Lay | 2 School Street | Merrimac, MA 01860 |
| 7. | Names and addresses of members of municipal light board: | | |
| | Norman Denault | 2 Spring Street | Merrimac, MA 01860 |
| | Larry Fisher | 5 Willowdale Drive | Merrimac, MA 01860 |
| | Paula Hamel | 64 Hadley Road | Merrimac, MA 01860 |
| 8. | Total valuation of estates in town (or city) according to last State valuation
(taxable) | \$ | 999,857,719.00 |
| 9. | Tax rate for all purposes during the year: | \$ | 16.30 |
| 10. | Amount of manager's salary: | Manager of Electric Light | \$ 150,000.00 |
| 11. | Amount of manager's bond: | \$ | 10,000.00 |
| 12. | Amount of salary paid to members of municipal light board (each): | \$ | 1,431.56 |

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57
FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR, ENDING DECEMBER 31, NEXT.

		Amount
INCOME FROM PRIVATE CONSUMERS:		
1	From sales of gas	0
2	From sales of electricity	5,350,000
3	TOTAL	5,350,000
4		
5	EXPENSES	
6	For operation, maintenance and repairs	4,700,000
7	For interest on bonds, notes or scrip	21,000
8	For depreciation fund (3% 11,682,596 (ex land) as per page 8B)	350,478
9	For sinking fund requirements	0
10	For note payments	0
11	For bond payments	75,000
12	For loss in preceding year	0
13	TOTAL	5,146,478
14		
15	COST:	
16	Of gas to be used for municipal buildings	0
17	Of gas to be used for street lights	0
18	Of electricity to be used for municipal buildings	285,500
19	Of electricity to be used for street lights	5,250
20	Total of above items to be included in the tax levy	290,750
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	290,750

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	Merrimac	3,046
TOTAL	0	TOTAL	3,046

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT

*At

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

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

1. Street lights	5,250
2. Municipal buildings	285,500
3.	
	TOTAL 290,750

* Date of meeting and whether regular or special

** Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

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

In electric property:**In gas property:**

Not applicable

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
1/3/1904	1/15/1904	\$ 11,000	75,000	December 15th	3.25% - 4%	Semi-Annually	\$ 450,000
3/15/1951	8/15/1951	20,000					
5/4/1986	6/30/1986	300,000					
10/15/2007	2/15/2008	1,500,000					
TOTAL		\$ 1,831,000	\$ 75,000			TOTAL	\$ 450,000

Town Notes							
(Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
12/31/1908	1/15/1909	\$ 6,000					
1/14/2014	6/1/1914	700					
1/5/1991	2/15/1991	125,000					
10/30/1999	12/15/2000	640,000					
8/14/2001	12/15/2001	166,692					
TOTAL		\$ 938,392				TOTAL	0

TOTAL COST OF PLANT - ELECTRIC 1. Report below the cost of utility plant in service according to prescribed accounts 2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate. 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts. 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						NONE
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						NONE
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	0	0	0	0	0
16	B. Nuclear Production Plant						NONE
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	0	0	0	0	0	0

TOTAL COST OF PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						NONE
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	0	0	0			0
12	341 Structures and Improvements	0	0	0			0
13	342 Fuel Holders, Producers and Accessories	0	0	0			0
14	343 Prime Movers	0	0	0			0
15	344 Generators	0	0	0			0
16	345 Accessory Electric Equipment	0	0	0			0
17	346 Miscellaneous Power Plant Equipment	0	0	0			0
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
20	3. Transmission Plant						
21	350 Land and Land Rights	0	0	0	0		0
22	351 Clearing Land and Rights of Way	0	0	0	0		0
23	352 Structures and Improvements	0	0	0	0		0
24	353 Station Equipment	0	0	0	0		0
25	354 Towers and Fixtures	0	0	0	0		0
26	355 Poles and Fixtures	188,300	0	0	178,322		366,622
27	356 Overhead Conductors and Devices	96,805	1,417	0	0		98,222
28	357 Underground Conduit	0	0	0	0		0
29	358 Underground Conductors and Devices	0	0	0	0		0
30	359 Roads and Trails	0	0	0	0		0
31	Total Transmission Plant	285,105	1,417	0	178,322	0	464,844

TOTAL COST OF PLANT (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT				0		
2	360 Land and Land Rights	2,092	0	0	0		2,092
3	361 Structures and Improvements	6,565	0	0	0		6,565
4	362 Station Equipment	2,496,159	0	0	0		2,496,159
5	363 Storage Battery Equipment	0	0	0	0		0
6	364 Poles Towers and Fixtures	918,509	91,335	15,600	(21,686)		972,558
7	365 Overhead Conductors and Devices	2,704,342	58,026	0	(54,404)		2,707,964
8	366 Underground Conduit	307,151	0	0	0		307,151
9	367 Underground Conductors and Devices	357,250	10,487	0	0		367,737
10	368 Line Transformers	993,194	42,574	3,240	(1,334)		1,031,194
11	369 Services	375,804	10,540	1,200	(13,620)		371,524
12	370 Meters	426,498	4,565	1,350	878		430,591
13	371 Installations on Customer's Premises	0	0	0	0		0
14	372 Leased Prop on Customer's Premises	0	0	0	0		0
15	373 Streetlight and Signal Systems	429,116	6,234	0	0		435,350
16	Total Distribution Plant	9,016,680	223,761	21,390	(90,166)	0	9,128,885
17	5. GENERAL PLANT						
18	389 Land and Land Rights	110,000	0	0	0		110,000
19	390 Structures and Improvements	776,979	8	0	0		776,987
20	391 Office Furniture and Equipment	121,858	0	0	0		121,858
21	392 Transportation Equipment	872,740	0	0	0		872,740
22	393 Stores Equipment	0	0	0	0		0
23	394 Tools, Shop and Garage Equipment	226,767	5,134	0	0		231,901
24	395 Laboratory Equipment	25,200	0	0	0		25,200
25	396 Power Operated Equipment	0	0	0	0		0
26	397 Communication Equipment	32,302	400	0	0		32,702
27	398 Miscellaneous Equipment	29,571	0	0	0		29,571
28	399 Other Tangible Property	0	0	0	0		0
29	Total General Plant	2,195,417	5,542	0	0	0	2,200,959
30	Total Electric Plant in Service	11,497,202	230,720	21,390	88,156	0	11,794,688
31	Total Cost of Electric Plant.....						11,794,688
33	Less Cost of Land, Land Rights, Rights of Way.....						112,092
34	Total Cost upon which Depreciation is based						11,682,596
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.							

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)	4,720,959	5,147,150	426,191
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	4,720,959	5,147,150	426,191
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds	719	719	0
13	126	Depreciation Fund (P. 14)	3,709,700	4,171,465	461,765
	127	OPEB Trust Fund	448,942	0	
14	128	Other Special Funds	875,991	912,686	36,695
15		Total Funds	5,035,352	5,084,870	49,518
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	1,137,320	1,207,002	69,682
18	132	Special Deposits	93,577	100,477	6,900
19	135	Working Funds	200	198	(2)
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	336,355	591,588	255,233
22	143	Other Accounts Receivable	0	0	0
23	146	Receivables from Municipality	0	5,576	5,576
24	151	Materials and Supplies (P. 14)	15,002	92,512	77,510
25	165	Prepayments	564,231	288,495	(275,736)
26	174	Miscellaneous Current Assets	1,140	3,011	1,871
27		Total Current and Accrued Assets	2,147,825	2,288,859	141,034
28		DEFERRED DEBITS			
29	181	Unamortized Debt Discount	0	0	0
30	182	Extraordinary Property Losses	0	0	0
31	185	Other Deferred Debits	0	450,673	450,673
32		Total Deferred Debits	0	450,673	450,673
33					
34		Total Assets and Other Debits	11,904,136	12,971,552	1,067,416

COMPARATIVE BALANCE SHEET Liabilities and Other Credits					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction	0	0	0
3		SURPLUS			
4	205	Sinking Fund Reserves	0	0	0
5	206	Loans Repayment	2,191,708	2,266,708	75,000
6	207	Appropriations for Construction Repayments	8,889	187,211	178,322
7	208	Unappropriated Earned Surplus (P. 12)	6,224,418	5,290,135	(934,283)
8		Total Surplus	8,425,015	7,744,054	(680,961)
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	525,000	450,000	(75,000)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	525,000	450,000	(75,000)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	349,991	188,305	(161,686)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	93,577	100,477	6,900
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	0	27,713	27,713
19	242	Miscellaneous Current and Accrued Liabilities	1,140	0	(1,140)
20		Total Current and Accrued Liabilities	444,708	316,495	(128,213)
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	0	0	0
23	252	Customer Advances for Construction	1,221	1,221	0
24	253	Other Deferred Credits	468,914	2,385,943	1,917,029
25		Total Deferred Credits	470,135	2,387,164	1,917,029
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	13,586	13,586	0
28	261	Property Insurance Reserve	0	0	0
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	0	0	0
31	265	Miscellaneous Operating Reserves	0	0	0
32		Total Reserves	13,586	13,586	0
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction	2,025,692	2,060,253	34,561
35		Total Liabilities and Other Credits	11,904,136	12,971,552	1,067,416

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)	5,008,658	(123,648)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	4,454,796	229,242
5	402 Maintenance Expense	319,412	(2,371)
6	403 Depreciation Expense	327,885	20,349
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	5,102,093	247,220
11	Operating Income	(93,435)	(370,868)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	(93,435)	(370,868)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	0
17	419 Interest Income	363,234	(4,820)
18	421 Miscellaneous Nonoperating Income (P. 21)	52,419	52,419
19	Total Other Income	415,653	47,599
20	Total Income	322,218	(323,269)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	322,218	(323,269)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	23,016	(234)
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt - Credit	0	0
30	431 Other Interest Expense	0	0
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	23,016	(234)
33	NET INCOME	299,202	(323,035)

EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		6,224,418
35			
36	433 Balance Transferred from Income		299,202
37	434 Miscellaneous Credits to Surplus (P. 21)		0
38	435 Miscellaneous Debits to Surplus (P. 21)	1,207,909	
39	436 Appropriations of Surplus (P. 21)	25,576	
40	437 Surplus Applied to Depreciation	0	
41	208 Unappropriated Earned Surplus (at end of period)	5,290,135	
42			
43			
44	TOTALS	6,523,620	6,523,620

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	1,207,002	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12		TOTAL	1,207,002
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)	92,512	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))		
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet		
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	3,709,700	
26	Income during year from balance on deposit (interest)	259,799	
27	Amount transferred from income (depreciation)	341,553	
28	Amount transferred in from surplus & other transfers in	70,392	
29	TOTAL	4,381,444	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	209,979	
32	Amounts expended for renewals,viz:-	0	
33	Bond Princpal Payment	0	
34			
35			
36			
37			
38			
39	Balance on hand at end of year	4,171,465	
40	TOTAL	4,381,444	

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							
3							
4		0	0	0	0	0	0
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	0	0	0	0	0
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0	0	0	0	0	0

UTILITY PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	0	0	0			0
12	341 Structures and Improvements	0	0	0			0
13	342 Fuel Holders, Producers and Accessories	0	0	0			0
14	343 Prime Movers	0	0	0			0
15	344 Generators	0	0	0			0
16	345 Accessory Electric Equipment	0	0	0			0
17	346 Miscellaneous Power Plant Equipment	0	0	0			0
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
20	3. Transmission Plant						
21	350 Land and Land Rights	0	0	0		0	0
22	351 Clearing Land and Rights of Way	0	0	0		0	0
23	352 Structures and Improvements	0	0	0		0	0
24	353 Station Equipment	0	0	0		0	0
25	354 Towers and Fixtures	0	0	0		0	0
26	355 Poles and Fixtures	128,304	0	5,178		178,322	301,448
27	356 Overhead Conductors and Devices	19,048	1,417	2,661		0	17,804
28	357 Underground Conduit	0	0	0		0	0
29	358 Underground Conductors and Devices	0	0	0		0	0
30	359 Roads and Trails	0	0	0		0	0
31	Total Transmission Plant	147,352	1,417	7,839	0	178,322	319,252

UTILITY PLANT -- ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	2,092	0	0		0	2,092
3	361 Structures and Improvements	(891)	0	0		891	0
4	362 Station Equipment	984,270	0	67,754		729,141	1,645,657
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	254,438	91,335	40,350		(21,686)	283,737
7	365 Overhead Conductors and Devices	1,207,810	58,026	72,085		(386,998)	806,753
8	366 Underground Conduit	39,211	0	8,447		0	30,764
9	367 Underground Conductors and Devices	159,805	10,487	9,797		0	160,495
10	368 Line Transformers	495,388	42,574	29,503		(1,334)	507,125
11	369 Services	70,439	10,540	11,351		(13,620)	56,008
12	370 Meters	290,423	4,565	12,067		0	282,921
13	371 Installations on Customer's Premises	0	0	0		0	0
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	107,589	6,234	11,609		0	102,214
16	Total Distribution Plant	3,610,574	223,761	262,963	0	306,394	3,877,766
17	5. GENERAL PLANT						
18	389 Land and Land Rights	110,000	0	0		0	110,000
19	390 Structures and Improvements	233,122	8	21,375		(65,312)	146,443
20	391 Office Furniture and Equipment	(216)	0	0		216	0
21	392 Transportation Equipment	492,088	0	27,573		103,111	567,626
22	393 Stores Equipment	0	0	0		0	0
23	394 Tools, Shop and Garage Equipment	87,586	5,134	6,229		0	86,491
24	395 Laboratory Equipment	16,138	0	693		0	15,445
25	396 Power Operated Equipment	0	0	0		0	0
26	397 Communication Equipment	(625)	400	400		625	0
27	398 Miscellaneous Equipment	24,940	0	813		0	24,127
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	963,033	5,542	57,083	0	38,640	950,132
30	Total Electric Plant in Service	4,720,959	230,720	327,885	0	523,356	5,147,150
31	104 Utility Plant Leased to Others	0	0	0			0
32	105 Property Held for Future Use	0	0	0			0
33	107 Construction Work in Progress	0	0	0			0
34	Total Utility Plant Electric	4,720,959	230,720	327,885	0	523,356	5,147,150

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			
			NUMBER 2 DIESEL		NATURAL GAS	
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year					
2	Received During Year					
3	TOTAL	0	0	0	0	0
4	Used During Year (Note A)					
5	Prime Mover Fuel					
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	0	0	0	0	0
13	BALANCE END OF YEAR	0	0	0	0	0
Line No.	Item (g)		Kinds of Fuel and Oil - continued			
			LUBE OIL			
			Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL		0	0		
17	Used During Year (Note A)					
18	Prime Mover lubricants					
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF		0	0		
26	BALANCE END OF YEAR		0	0		

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Grant Income	52,419
2		
3		
4		
5		
6	TOTAL	52,419
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Bond Repayment	75,000
25	Prior Period Adjustment	1,132,909
26		
27		
28		
29		
30		
31		
32	TOTAL	1,207,909
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Payment In Lieu of Taxes	25,576
34		
35		
36		
37		
38		
39		
40	TOTAL	25,576

MUNICIPAL REVENUES (Account 482,444)						
(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)						
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)	
1						
2						
3						
4		TOTALS				
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5	4442	Municipal Building M1: (Other Than Street Lighting)	1,340,832	258,558	0.1928	
6	4443	Municipal Building M2: (Other Than Street Lighting)	886,960	164,070	0.1850	
7						
8						
9						
10						
11						
12		TOTALS	2,227,792	422,628	0.1897	
13	4441	Street Lighting	1,806,878	288,904	0.1599	
14						
15						
16						
17						
18		TOTALS	1,806,878	288,904	0.1599	
19		TOTALS	4,034,670	711,532	0.1764	
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	Granite			396,161	14,363	0.0363
21	ISO - Energy New England			2,924,178	1,679,843	0.5745
22	Shell			7,734,200	316,856	0.0410
23	NYPA			2,623,656	83,408	0.0318
24	Brown Bear II			625,407	19,794	0.0316
25	Spruce Mountain Wind			836,332	50,744	0.0607
26	NextEra			10,220,000	571,568	0.0559
27	National Grid			-	68,358	N/A
28	Canton Mountain Wind			618,952	42,288	0.0683
29	Northeast Utilities			-	543	N/A
30	Merrimac Solar-Consolidated Edison			2,255,440	124,049	0.0550
31	Saddleback Ridge Wind			853,190	47,979	0.0562
32	Firstlight (Shepaug/Stevenson/Cabot/Tuners)			2,190,712	85,762	0.0391
33	Duke Energy/Tangent BTM			580,163	340,511	0.5869
34	Other Power Costs			-	71,038	N/A
35						
36	TOTALS			31,858,391	3,517,104	
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)
37	None					
38						
39						
40	TOTALS			0	0	

<p>ELECTRIC OPERATING REVENUES (Account 400)</p> <p>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.</p> <p>2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.</p> <p>3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate meter readings are added for billing purposes, one customer 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.</p> <p>4. Unmetered sales should be included below. The details of such sales should be given in a footnote.</p> <p>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</p>							
Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	3,881,003	(107,109)	23,051,132	78,646	2,723	(55)
3	442 Commercial and Industrial Sales:						
4	Small Commercial B Sales	258,558	(12,364)	1,340,832	(17,584)	193	(4)
5	Large Commercial C Sales	547,192	(16,297)	2,816,712	(196,637)	37	(2)
6	444 Municipal Sales	294,480	12,378	1,861,030	218,223	34	1
7	445 Other Sales: Private Area Lighting	16,799	(170)	92,266	(890)	89	0
8	446 Sales to Railroads and Railways	0	0	0	0	0	0
9	448 Interdepartmental Sales	0	0	0	0	0	0
10	449 Miscellaneous Sales	0	0	0	0	0	0
11	Total Sales to Ultimate Consumers	4,998,032	(123,562)	29,161,972	81,758	3,076	(60)
12	447 Sales for Resale	0	0	0	0	0	0
13	Total Sales of Electricity*	4,998,032	(123,562)	29,161,972	81,758	3,076	(60)
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	0	0				
16	451 Miscellaneous Service Revenues	0	0				
17	453 Sales of Water and Water Power	0	0				
18	454 Rent from Electric Property	0	0				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	10,626	(86)				
21							
22							
23							
24							
25	Total Other Operating Revenues	10,626	(86)				
26	Total Electric Operating Revenue	5,008,658	(123,648)				

* Includes revenues from application of fuel clauses \$ 2,206,437

Total KWH to which applied 29,107,820

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440.1	Residential Rate - B	21,626,131	3,648,638	0.1687	2,657	2,648
2	440.2	Residential Rate - C	1,425,001	232,365	0.1631	70	70
3	442.1	Rate - F1	1,929,752	383,122	0.1985	36	34
4	442.3	Rate - F	1,340,832	258,558	0.1928	200	185
5	442.4	Rate - F2	886,960	164,070	0.1850	2	2
6	444.1	Municipal	1,806,878	288,904	0.1599	33	32
7	444.0	Municipal Street Lighting	54,152	5,576	0.1030	1	1
8	445.1	Private Area Lighting	92,266	16,799	0.1821	89	88
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			29,161,972	4,998,032	0.1714	3,088	3,060

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	0	0
5	501 Fuel	0	0
6	502 Steam Expenses	0	0
7	503 Steam from other sources	0	0
8	504 Steam transferred -- Cr.	0	0
9	505 Electric expenses	0	0
10	506 Miscellaneous steam power expenses	0	0
11	507 Rents	0	0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	0	0
16	512 Maintenance of boiler plant	0	0
17	513 Maintenance of electric plant	0	0
18	514 Maintenance of miscellaneous steam plant	0	0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance or reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	0	0
14	548 Generation Expenses	0	0
15	549 Miscellaneous other power generation expense	0	0
16	550 Rents	0	0
17	Total Operation	0	0
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	0	0
21	553 Maintenance of generating and electric plant	0	0
22	554 Maintenance of miscellaneous other power generation plant	0	0
23	Total Maintenance	0	0
24	Total power production expenses - other power	0	0
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	3,517,104	286,390
27	556 System control and load dispatching	0	0
28	557 Other expenses	49,676	(12,172)
29	Total other power supply expenses	3,566,780	274,218
30	Total power production expenses	3,566,780	274,218
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	0	0
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	0	0
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	0	0
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	0	0
48	573 Maintenance of miscellaneous transmission plant	0	0
49	Total maintenance	0	0
50	Total transmission expenses	0	0

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	0	0
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses Transportation	1,295	(1,132)
6	583 Overhead line expenses	12,181	12,181
7	584 Underground line expenses	21,921	10,664
8	585 Street lighting and signal system expenses	0	(2,868)
9	586 Meter expenses	3,087	1,973
10	587 Customer installations expenses	17,196	3,156
11	588 Miscellaneous distribution expenses	28,489	6,732
12	589 Rents	0	0
13	Total operation	84,169	30,706
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	8,313	3,747
18	593 Maintenance of overhead lines	204,608	(11,145)
19	594 Maintenance of underground lines	2,215	(122)
20	595 Maintenance of line transformers	3,970	287
21	596 Maintenance of street lighting and signal systems	0	0
22	597 Maintenance of meters	0	0
23	598 Maintenance of miscellaneous distribution plant	37,084	(15,392)
24	Total maintenance	256,190	(22,625)
25	Total distribution expenses	340,359	8,081
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	4,647	(9,262)
30	903 Customer records and collection expenses	98,525	(4,205)
31	904 Uncollectible accounts	1,078	(5,050)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	104,250	(18,517)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	6,960	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	6,960	0
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	148,434	(174,259)
44	921 Office supplies and expenses	64,194	25,673
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	30,466	(2,926)
47	924 Property insurance	0	0
48	925 Injuries and damages	20,943	683
49	926 Employee pensions and benefits	421,496	106,799
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	7,104	(5,671)
53	931 Rents	0	0
54	Total operation	692,637	(49,701)

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	8,115	837
4	933 Transportation Expenses	55,107	19,417
5	Total administrative and general expenses	755,859	(48,864)
	Total Electric Operation and Maintenance Expenses	4,774,208	214,918

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power	0	0	0
12	Other Power Supply Expenses	3,566,780	0	3,566,780
13	Total power production expenses	3,566,780		3,566,780
14	Transmission Expenses	0		0
15	Distribution Expenses	84,169	256,190	340,359
16	Customer Accounts Expenses	104,250		104,250
17	Sales Expenses	6,960		6,960
18	Administrative and General Expenses	692,637	63,222	755,859
19	Total Electric Operation and			
20	Maintenance Expenses	4,454,796	319,412	4,774,208

21 Ratio of operating expenses to operating revenues 101.87%
(carry out decimal two places, (e.g.. 0.00%))

Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)

22 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. 564,793

23 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees) 6

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	NONE								
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	TOTALS	0	0	0					

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	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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31					
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33					
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36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)

Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing, and contract work during the year.

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work	0			0
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	0
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	TOTAL COSTS AND EXPENSES	0	0	0	0
50	Net Profit (or loss)	0	0	0	0

SALES FOR RESALE (Account 447)

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

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G,

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

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

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

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	None							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41	* Winter period contract demand.							
42								

SALES FOR RESALE (Account 447) - Continued

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

integrated).

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
None								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
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								26
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								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:

MERRIMAC MUNICIPAL LIGHT DEPT.

Year Ended December 31, 2021

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

1. Report power purchased for resale during the year.
Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.

2. Provide subheadings and classify purchases as to
(1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A Cooperatives, and (7) Other Public

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

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

Line No.	Purchased From MMWEC: (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2								
3								
4								
5								
6								
7								
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12								
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24								
25								
26								
27								
28								
29								
30								
31	** Includes transmission and administrative charges.							
32								

Annual Report of: MERRIMAC MUNICIPAL LIGHT DEPT.

Year Ended December 31, 2021

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

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

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

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minute integrated).

6. The number of kilowatt hours purchased should be the quantities shown by the power bills.

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) **	Total (o)		
						0	N/A	1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
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								26
								27
								28
								29
								30
								31
	TOTALS:	0	0	0	0	0		32

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

A. Summary of Interchange According to Companies and Points of Interchange

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1							0	0
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				0	0	0	0

B. Details of Settlement for Interchange Power

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

ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)	Kilowatt-hours (b)
1	SOURCES OF ENERGY	
2	Generation	
3	Steam	0
4	Nuclear	0
5	Hydro	0
6	Other	0
7	Total Generation	0
8	Purchases	31,858,391
9	(In gross)	0
10	Interchanges	0
11	(Net (Kwh))	0
12	(Received)	0
13	Transmission for/by others (wheeling)	0
14	(Delivered)	0
14	(Net (Kwh))	0
15	TOTAL	31,858,391
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	29,161,972
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	61,119
22	Energy losses	
23	Transmission and conversion losses	1,583,517
24	Distribution losses	0
25	Unaccounted for losses	1,051,783
26	Total energy losses	2,635,300
27	Energy losses as percent of total on line 15	8.27%
28	TOTAL	31,858,391

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.

2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation

as to the nature of the emergency.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)

4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.

5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Town of Merrimac

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	5,411	Sunday	31	18:00	60 min	2,879,623
30	February	5,449	Sunday	7	18:00	60 min	2,608,965
31	March	5,093	Tuesday	2	19:00	60 min	2,480,651
32	April	4,097	Thursday	1	20:00	60 min	2,143,258
33	May	6,937	Wednesday	26	18:00	60 min	2,284,611
34	June	9,489	Tuesday	29	18:00	60 min	3,215,042
35	July	7,905	Friday	16	18:00	60 min	2,958,950
36	August	8,815	Thursday	12	18:00	60 min	3,404,742
37	September	6,469	Sunday	26	15:00	60 min	2,451,290
38	October	4,184	Monday	25	19:00	60 min	2,195,265
39	November	4,987	Sunday	28	18:00	60 min	2,375,004
40	December	5,525	Monday	20	18:00	60 min	2,860,990
41						TOTAL	31,858,391

GENERATING STATIONS

Page 58-59

GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear)

Pages 58-59

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	Kind of plant (Steam, Hydro, Int. Comb.)				
2	Type of plant construction (conventional outdoor boiler, full outdoor, etc)				
3	Year originally constructed				
4	Year last unit installed				
5	Total installed capacity (maximum generator name plate ratings in kw)				
6	Net peak 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 condenser water				
11	Average number of employees				
12	Net generation, exclusive of station use				
13	Cost of plant (omit cents):				
14	Land and land rights				
15	Structures and improvements				
16	Reservoirs, dams and waterways				
17	Equipment costs				
18	Roads, railroads and bridges				
19	Total cost				
20	Cost per kw of installed capacity				
21	Production expenses:				
22	Operation supervision and engineering				
23	Station labor				
24	Fuel				
25	Supplies & Expenses, including water				
26	Maintenance				
27	Rents				
28	Steam from other sources				
29	Steam transferred - credit				
30	Total production expenses				
31	Expenses per net Kwh (5 places)				
32	Fuel: Kind				
33	Unit(coal-tons of 2,000 lb)(oil-barrels of 42 gals.)Gas-Mcu.ft.)(nuclear,indicate)				
34	Quantity (units) 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 fob plant				
37	Average cost of fuel per unit consumed				
38	Average cost of fuel consumed per million B.t.u.				
39	Average cost of fuel consumed per kwh net gen				
40	Average B.t.u. per kwh net generation				

STEAM GENERATING STATIONS					Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					
7					
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14					
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16					
17					
18					
19					
20					
HYDROELECTRIC GENERATING STATIONS					Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					
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16					
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19					
20					

GENERATING STATIONS								Page 64
COMBUSTION ENGINE AND OTHER GENERATING STATIONS (Except Nuclear)				Pages 64-65				
Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	PRIME MOVERS				
				Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

GENERATING STATIONS								Page 65	
COMBUSTION ENGINE AND OTHER GENERATING STATIONS (Except Nuclear) Pages 64-65									
PRIME MOVERS CONTINUED		Generators							
Rated hp. of Unit (h)	Total Rated hp. of Station Prime movers (l)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or dc. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate rating) (p)	Line No.
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
					TOTALS	0	0	0	22

	GENERATING STATION STATISTICS (Small Stations)				Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
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43					
44					
45					
46					

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								
2								
3								
4								
5								
6								
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36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52	TOTALS				0	0	0	

SUBSTATIONS

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

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

3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.

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

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Burnside Lane, Merrimac, MA	Distribution Unattended	23,000	4,160		7,500	2	1	None		
2	Mill Street, Merrimac, MA	Distribution Unattended	23,000	13,800		15,000	2	0			
3											
4											
5											
6											
7											
8											
9											
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11											
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13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
25											
26	TOTALS					22,500	4	1			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	45.830	0.000	45.830
2	Added During Year	0.000		0.000
3	Retired During Year	0.000		0.000
4	Miles -- End of Year	45.830	0.000	45.830
5	*			
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10	Three-phase, 4 wire 2400/4160V and 7970/13,800V 60Hz AC			
11	Phase 3 Wire			
12	240V	3 Phase 3 Wire		
13	480V	3 Phase 3 Wire		
14	120/208V	3 Phase 4 Wire		
15	277/480V	3 Phase 4 Wire		

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:	2,964	3,087	760	25,931.5
17	Additions during year				
18	Purchased	0	26	10	287.5
19	Installed	12	9	0	0.0
20	Associated with utility plant acquired				
21	Total Additions	12	35	10	287.5
22	Reductions during year:				
23	Retirements	6	9	5	127.5
24	Associated with utility plant sold				
25	Total Reductions	6	9	5	127.5
26	Number at end of year	2,970	3,113	765	26,091.5
27	In stock		64	82	5,150.5
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		3,046	683	20,941.0
31	In company's use		3	0	0.0
32	Number at end of year		3,113	765	26,091.5

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)						
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.						
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground	Cable	Submarine	Cable
			Miles *	Operating Voltage (d)	Feet *	Operating Voltage (f)
			(c)	(d)	(e)	(f)
1						
2						
3						
4						
5						
6						
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41						
42						
43						
44						
45						
46						
47						
48						
49	TOTALS	0	0	0	0	0

*indicate number of conductors per cable

*indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			L. E. D.		Mercury Vapor		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Merrimac	643	493	48	0	0	0	0	0	102
2										
3										
4										
5										
6										
7										
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50										
51										
52	TOTALS	643	493	48	0	0	0	0	0	102

RATE SCHEDULE INFORMATION

1. Attach copies of all Filed Rates for General Consumers
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenues predicted on the previous year's operations.

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		See Attached Copies of Current Rates		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY



Mary Usovicz (Aug 3, 2022 08:07 EDT)

Mary Usovicz

General Manager of Electric Light



Norman R. Denault (Aug 4, 2022 09:13 EDT)

Norman Denault

Chair
Municipal Light Board


Larry S. Fisher (Aug 4, 2022 10:34 EDT)

Larry Fisher

Vice Chair
Municipal Light Board


Paula Hamel (Aug 4, 2022 10:38 EDT)

Paula Hamel

Secretary
Municipal Light Board
 Members
of the
Municipal
Light
Board

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

SS

20

Then personally appeared

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

 Notary Public or
Justice of the Peace

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LEGAL NOTICE
MERRIMAC MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF ELECTRIC RATES

Notice is hereby given in compliance with provisions of Massachusetts General Laws, Chapter 164, Section 58, that the following rate schedules were voted by the Board of Light Commissioners of the Town of Merrimac, Massachusetts, at their Board meeting of May 11, 2021 to become effective on all bills rendered on July 1, 2021.

RESIDENTIAL RATE B—M.D.P.U. No. 67
CANCELING M.D.P.U. No. 60

Customer Charge:	\$5.50
Energy Charge:	\$0.0952 per kilowatt hour
PPA Charge:	\$0.0703 per kilowatt hour

RESIDENTIAL TOTAL ELECTRIC LIVING RATE C
M.D.P.U. No. 68 CANCELING M.D.P.U. No. 61

Customer Charge:	\$5.50
Energy Charge:	\$0.0895 per kilowatt hour
PPA Charge:	\$0.0703 per kilowatt hour

GENERAL RATE E—M.D.P.U. No. 69
CANCELING M.D.P.U. No. 63

Customer Charge:	\$42.00
Demand Charge	\$5.00 per kilowatt hour
Energy Charge	\$0.0616 per kilowatt hour
PPA Charge:	\$0.7460 per kilowatt hour

GENERAL SERVICE RATE F—M.D.P.U. No. 70
CANCELING M.D.P.U. No. 64

Customer Charge	\$7.65
Energy Charge	\$0.1112 per kilowatt hour
PPA Charge:	\$0.0772 per kilowatt hour

GENERAL RATE F1—M.D.P.U. No. 71

Customer Charge:	\$42.00
Demand Charge:	\$5.00 per kilowatt
Energy Charge:	\$0.0954 per kilowatt hour
PPA Charge:	\$0.0772 per kilowatt hour

POWER SERVICE RATE F2—M.D.P.U. No. 72

Customer Charge:	\$66.00
Demand Charge:	\$5.00
Energy Charge:	\$0.0900 per kilowatt hour
PPA Charge:	\$0.0808 per kilowatt hour












2021 DPU Report - MERRIMAC MLD

Final Audit Report

2022-08-04


Created:	2022-08-03
By:	Jack Keller (jkeller@merrimaclight.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAQyf_tewfhtqi3rdfP8LTzf1TaFCMpEDf

"2021 DPU Report - MERRIMAC MLD" History


-  Document created by Jack Keller (jkeller@merrimaclight.com)
2022-08-03 - 12:03:14 PM GMT
-  Document emailed to musovicz@merrimaclight.com for signature
2022-08-03 - 12:04:46 PM GMT
-  Email viewed by musovicz@merrimaclight.com
2022-08-03 - 12:06:11 PM GMT
-  Signer musovicz@merrimaclight.com entered name at signing as Mary Usovicz
2022-08-03 - 12:07:32 PM GMT
-  Document e-signed by Mary Usovicz (musovicz@merrimaclight.com)
Signature Date: 2022-08-03 - 12:07:33 PM GMT - Time Source: server
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-  Signer commissioner1@merrimaclight.com entered name at signing as Norman R. Denault
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-  Document e-signed by Norman R. Denault (commissioner1@merrimaclight.com)
Signature Date: 2022-08-04 - 1:13:17 PM GMT - Time Source: server
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-  Email viewed by commissioner2@merrimaclight.com
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 Signer commissioner2@merrimaclight.com entered name at signing as Larry S. Fisher

2022-08-04 - 2:34:38 PM GMT

 Document e-signed by Larry S. Fisher (commissioner2@merrimaclight.com)

Signature Date: 2022-08-04 - 2:34:39 PM GMT - Time Source: server

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 Email viewed by commissioner3@merrimaclight.com

2022-08-04 - 2:35:10 PM GMT

 Signer commissioner3@merrimaclight.com entered name at signing as Paula Hamel

2022-08-04 - 2:38:32 PM GMT

 Document e-signed by Paula Hamel (commissioner3@merrimaclight.com)

Signature Date: 2022-08-04 - 2:38:34 PM GMT - Time Source: server

 Agreement completed.

2022-08-04 - 2:38:34 PM GMT

