



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,

2022

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, 2022, 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
September 27, 2023

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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:		
	Irina Gorzynski 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 Sabbagh 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)	\$	1,147,717,719.00
9.	Tax rate for all purposes during the year:	\$	14.77
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	5,247,746
3	TOTAL	5,247,746
4		
5	EXPENSES	
6	For operation, maintenance and repairs	4,700,000
7	For interest on bonds, notes or scrip	20,500
8	For depreciation fund (3% 12,051,189 (ex land) as per page 8B)	361,536
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	5,157,036
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	289,196
19	Of electricity to be used for street lights	6,280
20	Total of above items to be included in the tax levy	295,476
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	295,476

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

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					
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	75,000	December 15th	3.25% - 4%	Semi-Annually	\$ 375,000
	TOTAL	\$ 1,831,000	\$ 75,000			TOTAL	\$ 375,000

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	366,622	269	0	0		366,891
27	356 Overhead Conductors and Devices	98,222	0	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	464,844	269	0	0	0	465,113

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	12,725	0	0		19,290	
4	362 Station Equipment	2,496,159	9,840	0	0		2,505,999	
5	363 Storage Battery Equipment	0	0	0	0		0	
6	364 Poles Towers and Fixtures	972,558	25,814	4,400	0		993,972	
7	365 Overhead Conductors and Devices	2,707,964	164,016	30,000	0		2,841,980	
8	366 Underground Conduit	307,151	0	0	0		307,151	
9	367 Underground Conductors and Devices	367,737	15,738	0	0		383,475	
10	368 Line Transformers	1,031,194	38,840	2,800	0		1,067,234	
11	369 Services	371,524	16,052	0	0		387,576	
12	370 Meters	430,591	12,671	3,600	0		439,662	
13	371 Installations on Customer's Premises	0	8,134	0	0		8,134	
14	372 Leased Prop on Customer's Premises	0	0	0	0		0	
15	373 Streetlight and Signal Systems	435,350	38,149	0	0		473,499	
16	Total Distribution Plant	9,128,885	341,979	40,800	0	0	9,430,064	
17	5. GENERAL PLANT							
18	389 Land and Land Rights	110,000	0	0	0		110,000	
19	390 Structures and Improvements	776,987	0	0	(8)		776,979	
20	391 Office Furniture and Equipment	121,858	7,914	0	0		129,772	
21	392 Transportation Equipment	872,740	2,694	0	0		875,434	
22	393 Stores Equipment	0	0	0	0		0	
23	394 Tools, Shop and Garage Equipment	231,901	45,980	0	0		277,881	
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	32,702	0	0	0		32,702	
27	398 Miscellaneous Equipment	29,571	10,565	0	0		40,136	
28	399 Other Tangible Property	0	0	0	0		0	
29	Total General Plant	2,200,959	67,153	0	(8)	0	2,268,104	
30	Total Electric Plant in Service	11,794,688	409,401	40,800	(8)	0	12,163,281	
31	Total Cost of Electric Plant.....							12,163,281
33	Less Cost of Land, Land Rights, Rights of Way.....							112,092
34	Total Cost upon which Depreciation is based							12,051,189
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)	5,147,150	5,206,071	58,921
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	5,147,150	5,206,071	58,921
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds	719	719	0
13	126	Depreciation Fund (P. 14)	4,171,465	3,872,005	(299,460)
	127	OPEB Trust Fund	0	0	
14	128	Other Special Funds	912,686	657,880	(254,806)
15		Total Funds	5,084,870	4,530,604	(554,266)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	1,207,002	1,486,297	279,295
18	132	Special Deposits	100,477	114,422	13,945
19	135	Working Funds	198	200	2
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	591,588	690,072	98,484
22	143	Other Accounts Receivable	0	0	0
23	146	Receivables from Municipality	5,576	11,422	5,846
24	151	Materials and Supplies (P. 14)	92,512	92,512	0
25	165	Prepayments	288,495	252,844	(35,651)
26	174	Miscellaneous Current Assets	3,011	5,430	2,419
27		Total Current and Accrued Assets	2,288,859	2,653,199	364,340
28		DEFERRED DEBITS			
29	181	Unamortized Debt Discount	0	0	0
30	182	Extraordinary Property Losses	0	0	0
31	185	Other Deferred Debits	450,673	614,911	164,238
32		Total Deferred Debits	450,673	614,911	164,238
33					
34		Total Assets and Other Debits	12,971,552	13,004,785	33,233

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	2,266,708	2,341,708	75,000
6	207	Appropriations for Construction Repayments	187,211	187,211	0
7	208	Unappropriated Earned Surplus (P. 12)	5,290,135	5,078,164	(211,971)
8		Total Surplus	7,744,054	7,607,083	(136,971)
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	450,000	375,000	(75,000)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	450,000	375,000	(75,000)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	188,305	288,219	99,914
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	100,477	112,852	12,375
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	27,713	24,702	(3,011)
19	242	Miscellaneous Current and Accrued Liabilities	0	20,177	20,177
20		Total Current and Accrued Liabilities	316,495	445,950	129,455
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	2,385,943	2,399,390	13,447
25		Total Deferred Credits	2,387,164	2,400,611	13,447
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	2,060,253	2,162,555	102,302
35		Total Liabilities and Other Credits	12,971,552	13,004,785	33,233

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)	5,148,728	140,070
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	4,177,563	(277,233)
5	402 Maintenance Expense	224,195	(95,217)
6	403 Depreciation Expense	350,480	22,594
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	4,752,238	(349,856)
11	Operating Income	396,490	489,926
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	396,490	489,926
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	0
17	419 Interest Income	(502,461)	(865,695)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	(502,461)	(865,695)
20	Total Income	(105,971)	(375,769)
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	(105,971)	(375,769)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	0	(23,016)
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	0	(23,016)
33	NET INCOME	(105,971)	(352,753)
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		5,290,135
35			
36	433 Balance Transferred from Income		(105,971)
37	434 Miscellaneous Credits to Surplus (P. 21)		9,000
38	435 Miscellaneous Debits to Surplus (P. 21)	75,000	
39	436 Appropriations of Surplus (P. 21)	40,000	
40	437 Surplus Applied to Depreciation	0	
41	208 Unappropriated Earned Surplus (at end of period)	5,078,164	
42			
43			
44	TOTALS	5,193,164	5,193,164

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	1,486,297	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
	TOTAL	1,486,297	
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)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	92,512	
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	92,512	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	4,171,465	
26	Income during year from balance on deposit (interest)	(444,080)	
27	Amount transferred from income (depreciation)	516,909	
28	Amount transferred in from surplus & other transfers in	0	
29			
	TOTAL	4,244,294	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	372,289	
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	3,872,005	
40			
	TOTAL	4,244,294	

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	301,448	269	10,999		0	290,718
27	356 Overhead Conductors and Devices	17,804	0	2,947		0	14,857
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	319,252	269	13,946	0	0	305,575

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	0	12,725	197		0	12,528
4	362 Station Equipment	1,645,657	9,840	74,885		0	1,580,612
5	363 Storage Battery Equipment	0	0	0		0	0
6	364 Poles Towers and Fixtures	283,737	25,814	29,177		0	280,374
7	365 Overhead Conductors and Devices	806,753	164,016	81,239		0	889,530
8	366 Underground Conduit	30,764	0	9,215		0	21,549
9	367 Underground Conductors and Devices	160,495	15,738	11,032		0	165,201
10	368 Line Transformers	507,125	38,840	30,936		0	515,029
11	369 Services	56,008	16,052	11,146		0	60,914
12	370 Meters	282,921	12,671	12,918		0	282,674
13	371 Installations on Customer's Premises	0	8,134	0		0	8,134
14	372 Leased Prop on Customer's Premises	0	0	0		0	0
15	373 Streetlight and Signal Systems	102,214	38,149	13,061		0	127,302
16	Total Distribution Plant	3,877,766	341,979	273,806	0	0	3,945,939
17	5. GENERAL PLANT						
18	389 Land and Land Rights	110,000	0	0		0	110,000
19	390 Structures and Improvements	146,443	0	23,309		0	123,134
20	391 Office Furniture and Equipment	0	7,914	3,656		0	4,258
21	392 Transportation Equipment	567,626	2,694	27,163		0	543,157
22	393 Stores Equipment	0	0	0		0	0
23	394 Tools, Shop and Garage Equipment	86,491	45,980	6,957		0	125,514
24	395 Laboratory Equipment	15,445	0	756		0	14,689
25	396 Power Operated Equipment	0	0	0		0	0
26	397 Communication Equipment	0	0	0		0	0
27	398 Miscellaneous Equipment	24,127	10,565	887		0	33,805
28	399 Other Tangible Property	0	0	0		0	0
29	Total General Plant	950,132	67,153	62,728	0	0	954,557
30	Total Electric Plant in Service	5,147,150	409,401	350,480	0	0	5,206,071
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	5,147,150	409,401	350,480	0	0	5,206,071

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
			Kinds of Fuel and Oil - continued			
Line No.	Item (g)		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	0
2		
3		
4		
5		
6	TOTAL	0
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	Prior Period Adjustment	9,000
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	9,000
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Bond Repayment	75,000
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	75,000
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Payment In Lieu of Taxes	40,000
34		
35		
36		
37		
38		
39		
40	TOTAL	40,000

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)	822,348	264,769	0.3220	
6	4443	Municipal Building M2: (Other Than Street Lighting)	553,840	168,610	0.3044	
7						
8						
9						
10						
11						
12		TOTALS	1,376,188	433,379	0.3149	
13	4441	Street Lighting	1,445,422	338,884	0.2345	
14						
15						
16						
17						
18		TOTALS	1,445,422	338,884	0.2345	
19		TOTALS	2,821,610	772,263	0.2737	
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			330,209	\$ 16,531.00	0.0501
21	ISO - Energy New England			3,177,924	\$ 1,801,339.20	0.5668
22	Shell			7,916,500	\$ 319,886.45	0.0404
23	NYPA			2,469,050	\$ 119,974.01	0.0486
24	Brown Bear II			751,305	\$ 23,821.50	0.0317
25	Spruce Mountain Wind			869,685	\$ 51,695.79	0.0594
26	NextEra			10,615,200	\$ 604,021.00	0.0569
27	National Grid			0	\$ 129,304.42	N/A
28	Canton Mountain Wind			640,972	\$ 57,634.30	0.0899
29	Northeast Utilities			0	\$ 477.67	N/A
30	Merrimac Solar-Consolidated Edison			2,405,798	\$ 132,319.67	0.0550
31	Saddleback Ridge Wind			724,032	\$ 43,513.50	0.0601
32	Firstlight (Shepaug/Stevenson/Cabot/Tuners)			1,589,936	\$ 56,550.61	0.0356
33	Duke Energy/Tangent BTM			511,664	\$ 294,166.94	0.5749
34	Other Power Costs			0	\$ 51,620.04	N/A
35						
36			TOTALS	32,002,275	3,702,856	
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	

ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate

meter readings are added for billing purposes, one customer 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.

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

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	3,865,411	(15,592)	22,824,631	(226,501)	1,868	(855)
3	442 Commercial and Industrial Sales:						
4	Small Commercial B Sales	264,769	6,211	822,348	(518,484)	137	(56)
5	Large Commercial C Sales	536,979	(10,213)	1,807,754	(1,008,958)	39	2
6	444 Municipal Sales	344,731	50,251	1,499,574	(361,456)	23	(11)
7	445 Other Sales: Private Area Lighting	16,634	(165)	92,266	0	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	5,028,524	30,492	27,046,573	(2,115,399)	2,156	(920)
12	447 Sales for Resale	0	0	0	0	0	0
13	Total Sales of Electricity*	5,028,524	30,492	27,046,573	(2,115,399)	2,156	(920)
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	120,204	109,578				
21							
22							
23							
24							
25	Total Other Operating Revenues	120,204	109,578				
26	Total Electric Operating Revenue	5,148,728	140,070				

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

Total KWH to which applied 26,992,421

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	21,380,570	3,631,657	0.1699	1,781	1,815
2	440.2	Residential Rate - C	1,444,061	233,754	0.1619	70	70
3	442.1	Rate - F1	1,253,914	368,369	0.2938	36	34
4	442.3	Rate - F	822,348	264,769	0.3220	156	118
5	442.4	Rate - F2	553,840	168,610	0.3044	7	0
6	444.1	Municipal	1,445,422	338,884	0.2345	22	22
7	444.0	Municipal Street Lighting	54,152	5,847	0.1080	1	1
8	445.1	Private Area Lighting	92,266	16,634	0.1803	89	88
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			27,046,573	5,028,524	0.1859	2,162	2,148

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	3,351,858	(165,246)
27	556 System control and load dispatching	0	0
28	557 Other expenses	46,347	(3,329)
29	Total other power supply expenses	3,398,205	(168,575)
30	Total power production expenses	3,398,205	(168,575)
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)	16,713	16,713
5	582 Station expenses Transportation	3,086	1,791
6	583 Overhead line expenses	6,408	(5,773)
7	584 Underground line expenses	20,674	(1,247)
8	585 Street lighting and signal system expenses	9,408	9,408
9	586 Meter expenses	6,262	3,175
10	587 Customer installations expenses	3,771	(13,425)
11	588 Miscellaneous distribution expenses	14,169	(14,320)
12	589 Rents	0	0
13	Total operation	80,491	(3,678)
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	9,206	893
18	593 Maintenance of overhead lines	109,820	(94,788)
19	594 Maintenance of underground lines	0	(2,215)
20	595 Maintenance of line transformers	1,302	(2,668)
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	69,392	32,308
24	Total maintenance	189,720	(66,470)
25	Total distribution expenses	270,211	(70,148)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	12,182	7,535
30	903 Customer records and collection expenses	92,787	(5,738)
31	904 Uncollectible accounts	0	(1,078)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	104,969	719
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	3,764	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	3,764	0
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	133,968	(14,466)
44	921 Office supplies and expenses	74,053	9,859
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	85,650	55,184
47	924 Property insurance	0	0
48	925 Injuries and damages	21,785	842
49	926 Employee pensions and benefits	269,468	(152,028)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	5,185	(1,919)
53	931 Rents	25	25
54	Total operation	590,134	(102,503)

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	3,920	(4,195)	
4	933 Transportation Expenses	30,555	(24,552)	
5	Total administrative and general expenses	624,609	(106,698)	
	Total Electric Operation and Maintenance Expenses	4,401,758	(344,702)	
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	3,398,205	0	3,398,205
13	Total power production expenses	3,398,205		3,398,205
14	Transmission Expenses	0		0
15	Distribution Expenses	80,491	189,720	270,211
16	Customer Accounts Expenses	104,969		104,969
17	Sales Expenses	3,764		3,764
18	Administrative and General Expenses	590,134	34,475	624,609
19	Total Electric Operation and			
20	Maintenance Expenses	4,177,563	224,195	4,401,758
21	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)			92.30%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			790,893
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			8

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					
2	NONE				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

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

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work	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) - 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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								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

PURCHASED POWER (Account 555)
(EXCEPT INTERCHANGE POWER)

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

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

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 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
								12
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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			32,002,275
9	(In (gross)	0		
10	Interchanges < Out (gross)	0		
11	(Net (Kwh)			0
12	(Received	0		
13	Transmission for/by others (wheeling) < Delivered	0		
14	(Net (Kwh)			0
15	TOTAL			32,002,275
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			27,046,573
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	3,311,066		
26	Total energy losses			4,894,583
27	Energy losses as percent of total on line 15	15.29%		
28	TOTAL			32,002,275

MONTHLY PEAKS AND OUTPUT

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

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

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

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

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

Town of 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	6,061	Tuesday	11	18:00	60 min	3,103,852
30	February	5,353	Monday	14	19:00	60 min	2,571,890
31	March	4,819	Tuesday	1	19:00	60 min	2,516,903
32	April	4,040	Monday	3	20:00	60 min	2,134,003
33	May	6,362	Sunday	22	18:00	60 min	2,348,969
34	June	7,593	Sunday	26	18:00	60 min	2,580,895
35	July	8,973	Sunday	24	18:00	60 min	3,633,768
36	August	9,278	Monday	8	18:00	60 min	3,540,751
37	September	5,588	Sunday	4	18:00	60 min	2,280,257
38	October	4,048	Sunday	23	19:00	60 min	2,145,889
39	November	4,917	Sunday	20	18:00	60 min	2,287,077
40	December	5,738	Saturday	24	18:00	60 min	2,858,021
41						TOTAL	32,002,275

GENERATING STATIONS

GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear)

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					
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12					
13					
14					
15					
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					
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GENERATING STATIONS

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(Except Nuclear)

Pages 64-65

PRIME MOVERS

Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	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							
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12							
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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					

<p style="text-align: center;">TRANSMISSION LINE STATISTICS Report information concerning transmission line as indicated below.</p>									
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									
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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											
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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:	2,970	3,139	765	26,091.5
17	Additions during year				
18	Purchased	24	15	4	200.0
19	Installed	24	0	4	200.0
20	Associated with utility plant acquired				
21	Total Additions	48	15	8	400.0
22	Reductions during year:				
23	Retirements	0	0	0	0.0
24	Associated with utility plant sold				
25	Total Reductions	0	0	0	0.0
26	Number at end of year	3,018	3,154	773	26,491.5
27	In stock		64	82	5,150.5
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		3,087	691	21,341.0
31	In company's use		3	0	0.0
32	Number at end of year		3,154	773	26,491.5

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 * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1						
2						
3						
4						
5						
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9						
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45						
46						
47						
48						
49	TOTALS	0	0	0	0	0

*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	595	48	0	0	0	0	0	0
2										
3										
4										
5										
6										
7										
8										
9										
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11										
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49										
50										
51										
52	TOTALS	643	595	48	0	0	0	0	0	0

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		

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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 September 13, 2022 to become effective on all bills rendered on November 1, 2022

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
PPA Charge:	hour \$0.08745 per kilowatt hour

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

Customer Charge:	\$8.25
Energy Charge:	\$0.0895 per kilowatt
PPA Charge:	hour \$0.08745 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
PPA Charge:	hour \$0.09218 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
PPA Charge:	hour \$0.09504 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
PPA Charge:	hour \$0.09504 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
PPA Charge:	hour \$0.0900 per kilowatt hour