

# ***The Commonwealth of Massachusetts***

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**RETURN**

OF THE

TOWN OF

***MERRIMAC, MASSACHUSETTS***

TO THE

**DEPARTMENT OF  
TELECOMMUNICATIONS & ENERGY**

OF MASSACHUSETTS

**For the Year Ended December 31,**

***2013***

Name of officer to whom correspondence should be addressed regarding this report: *Francisco A. Frias*

Official Title: *Manager*

Official Address: *10 West Main Street  
Merrimac, MA 01860*

**GENERAL INFORMATION**

1. Name of town (or city) making report.	Merrimac, MA
2. If the town (or city) has acquired a plant: Kind of plant, whether gas or electric Owner from whom purchased, if so acquired	Electric
Date of votes to acquire plant in accordance with the provisions of chapter 164 of the General Laws Record of votes: First vote: Yes, ;No, Second vote: Yes, ;No, Date when town (or city) began to sell gas and electricity	
3. Name and address of manager of municipal lighting:	
Francisco Frias- 6 West Parish Ridge Rd. Haverhill, MA 01832	
4. Name and address of mayor or Selectman:	
Rick Pinciario, Chairman - 3 Union St. Merrimac, MA 01860 Laura Mailman - 2 Heath Rd. Merrimac, MA 01860 Harold Lloyd - 12 Nichols St. Merrimac, MA 01860	
5. Name and address of town (or city) treasurer:	
Carol McLeod - 12 Newton Rd. Haverhill, MA 01830	
6. Name and address of town (or city) clerk:	
Patricia True - Abbott St. Merrimac, MA 01860	
7. Names and addresses of members of municipal light board:	
Norman Denault - 2 Spring St. Merrimac, MA 01860 Linda Soucy - 28 Nichols St. Merrimac, MA 01860 James Young - 8 Willowdale Dr. Merrimac, MA 01860	
8. Total valuation of estates in town (or city) according to last State Valuation:	\$ 705,417,043.00
9. Tax rate for all purposes during the year	\$ 15.45
10. Amount of manager's salary	\$ 98,913.44
11. Amount of manager's bond	\$ 10,000.00
12. Amount of salary paid to members of Municipal Light Board (each)	\$ 1,031.56

**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
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas.....	
2	From sales of electricity.....	4,689,712.00
3	<b>TOTAL</b>	<b>4,689,712.00</b>
4		
5	<b>EXPENSES:</b>	
6	For operation, maintenance, and repairs.....	3,923,743.24
7	For interest on bonds, notes or scrip.....	41,928.30
8	For depreciation fund (3% on \$9,571,977 as per P.8B).....	287,159.30
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	75,000.00
12	For loss in preceding year.....	
13	<b>TOTAL</b>	<b>4,327,830.84</b>
14		
15	<b>COST:</b>	
16	Of gas to be used for municipal buildings.....	
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	281,155.87
19	Of electricity to be used for street lights.....	23,000.00
20	Total of above items to be included in the tax levy.....	304,155.87
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	304,155.87

**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
		Merrimac	2,835
<b>TOTAL</b>		<b>TOTAL</b>	
			2,835

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

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

FOR CONSTRUCTION OR PURCHASE OF PLANT:

- \*At meeting 20 ,to be paid from !
- \*At meeting 20 ,to be paid from !

\$ \_\_\_\_\_

TOTAL \$ \_\_\_\_\_

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

1. Streetlights.....	\$	23,000.00
2. Municipal buildings.....	\$	281,155.87
3. TOTAL	\$	<u>304,155.87</u>

\* Date of meeting and whether regular or special ! Here insert bonds, notes or tax levy.

**CHANGES IN PROPERTY**

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

In Electric Property:

In Gas Property:



TOWN NOTES (ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING)							
When Authorized *	Date of Issue	Amount of Original Issues †	Periods of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
31-Dec-08	15-Jan-09	6,000.00					
14-Jan-14	1-Jun-14	700.00					
5-Jan-91	15-Feb-91	125,000.00					
30-Oct-99	15-Dec-00	640,000.00					
14-Aug-01	15-Dec-01	166,692.00					
<b>TOTAL</b>		938,392.00			<b>TOTAL</b>		

The bonds and notes outstanding at end of year should agree with Balance Sheet. When bonds and notes are repaid report the first three columns only.

\* Date of meeting and whether regular or special

† List original issues of bonds and notes including those that have been retired.

Annual report Town of Merrimac Municipal Light Department

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	<b>C. Hydraulic Production Plant</b>						
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						
10	<b>D. Other Production Plant</b>						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers, and Accessories						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant						
19	Total Production Plant						
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way.....						
23	352 Structures and Improvements.....						
24	353 Station Equipment.....						
25	354 Towers and Fixtures.....						
26	355 Poles and Fixtures.....	309,439.10					269,439.10
27	356 Overhead Conductors and Devices.....	93,930.98	2,815.95		(40,000.00)		96,746.93
28	357 Underground Conduits.....						0.00
29	358 Underground Conductors and Devices.....						0.00
30	359 Roads and Trails.....						0.00
31	Total Transmission Plant	403,370.08	2,815.95	0.00	(40,000.00)	0.00	366,186.03

**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	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land and Land Rights.....	2,091.54					2,091.54
3	361 Structures and Improvements.....	6,564.91					6,564.91
4	362 Station Equipment.....	2,482,849.66	1,941.70				2,484,791.36
5	363 Storage Battery Equipment.....						
6	364 Poles, Towers, and Fixtures.....	750,825.53	33,527.45	6,300.00			778,052.98
7	365 Overhead Conductors and Devices.....	1,554,067.05	261,659.62				1,815,726.67
8	366 Underground Conduits.....	302,455.64	2,633.48				305,089.12
9	367 Underground Conductors and Devices.....	209,066.90	7,218.37				216,285.27
10	368 Line Transformers.....	653,814.99	20,141.73	7,475.00			666,481.72
11	369 Services.....	303,969.48	5,244.12	185.00			309,028.60
12	370 Meters.....	393,228.22	8,478.73	800.00			400,906.95
13	371 Installation on Customers' Premises.....						
14	372 Leased Property on Customers' Premises..						
15	373 Street Light and Signal Systems.....	347,618.01	5,288.02	4,500.00			348,406.03
16	Total Distribution Plant.....	7,006,551.93	346,133.22	19,260.00	0.00	0.00	7,333,425.15
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land Rights.....	110,000.00					110,000.00
19	390 Structures and Improvements.....	776,979.03					776,979.03
20	391 Office Furniture and Equipment.....	115,278.09					115,278.09
21	392 Transportation Equipment.....	714,011.79					714,011.79
22	393 Stores Equipment.....	0.00					0.00
23	394 Tools, Shop, and Garage Equipment.....	210,752.96	1,790.95				212,543.91
24	395 Laboratory Equipment.....	19,387.35					19,387.35
25	396 Power Operated Equipment.....						
26	397 Communication Equipment.....	31,547.23					31,547.23
27	398 Miscellaneous Equipment.....	4,709.49					4,709.49
28	399 Other Tangible Property.....						
29	Total General Plant.....	1,982,665.94	1,790.95	0.00	0.00	0.00	1,984,456.89
30	Total Electric Plant in Service.....	9,392,587.95	350,740.12	19,260.00	(40,000.00)	0.00	9,684,068.07
31	Total Cost of Electric Plant.....						9,684,068.07
32	Less Cost of Land, Land Rights, Rights of Way.....						112,091.54
33	Total Cost upon which Depreciation is Based.....						9,571,976.53
34							

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

**\$9,571,976.53** X 3% = **\$287,159.30**



<b>COMPARATIVE BALANCE SHEET: Assets and Other Debits</b>				
Line No.	Title of Account a)	Balance ( Beginning of Year ( b )	Balance End of Year ( c )	Increase or (Decrease) ( d )
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant - Electric (P.17).....	4,814,976.83	4,847,303.30	32,326.47
3	101 Utility Plant - gas (P.20).....			
4				
5	Total Utility Plant.....	4,814,976.83	4,847,303.30	32,326.47
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds.....	719.17	719.17	0.00
13	126 Depreciation Fund (P.14).....	2,219,679.18	2,298,611.47	78,932.29
14	128 Other Special Funds.....	272,864.74	274,609.05	1,744.31
15	Total Funds.....	2,493,263.09	2,573,939.69	80,676.60
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P.14).....	(199,150.81)	17,015.80	216,166.61
18	132 Special Deposits.....	74,099.28	74,399.28	300.00
19	132 Working Funds.....	200.00	200.00	0.00
20	141 Notes Receivable.....			0.00
21	142 Customer Accounts Receivable.....	241,351.19	198,742.66	(42,608.53)
22	143 Other Accounts Receivable.....	6,314.58	0.00	(6,314.58)
23	146 Receivables from Municipality.....			0.00
24	151 Materials and Supplies (P.14).....	15,001.94	15,001.94	0.00
25				0.00
26	165 Prepayments.....	422,386.35	423,124.98	738.63
27	174 Miscellaneous Current Assets.....	315.30	381.84	66.54
28	Total Current and Accrued Assets.....	560,517.83	728,866.50	168,348.67
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Losses.....			
32	183 Other Deferred Debits.....			
33	Total Deferred Debits.....			
34				
35	Total Assets and other Debits.....	7,868,757.75	8,150,109.49	281,351.74

**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	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction.....			
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayments.....	1,591,707.96	1,666,707.96	75,000.00
6	207 Appropriations for Construction Repayments....	8,889.05	8,889.05	0.00
7	208 Unappropriated Earned Surplus (P.12).....	3,941,732.59	4,141,778.55	200,045.96
8	Total Surplus.....	5,542,329.60	5,817,375.56	275,045.96
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P.6).....	1,125,000.00	1,050,000.00	(75,000.00)
11	231 Notes Payable (P.7).....			0.00
12	Total Bonds and Notes.....	1,125,000.00	1,050,000.00	(75,000.00)
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable.....	249,637.46	294,309.70	44,672.24
15	234 Payables to Municipality.....			0.00
16	235 Customers' Deposits.....	74,099.28	74,399.28	300.00
17	236 Taxes Accrued.....			0.00
18	237 Interest Accrued.....			0.00
19	242 Miscellaneous Current and Accrued Liabilities	315.30	381.84	66.54
20	Total Current and Accrued Liabilities.....	324,052.04	369,090.82	45,038.78
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt.....			0.00
23	252 Customer Advances for Construction.....	1,220.67	1,220.67	0.00
24	253 Other Deferred Credits.....			0.00
25	Total Deferred Credits.....	1,220.67	1,220.67	0.00
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectable Accounts.....	13,586.20	13,586.20	0.00
28	261 Property Insurance Reserve.....			0.00
29	262 Injuries and Damages Reserves.....			0.00
30	263 Pensions and Benefits.....			0.00
31	265 Miscellaneous Operating Revenues.....			0.00
32	Total Reserves.....	13,586.20	13,586.20	0.00
33	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271 Contributions in Aid of Construction.....	862,569.24	898,836.24	36,267.00
35	Total Liabilities and Other Credits.....	7,868,757.75	8,150,109.49	281,351.74

State below if any earnings of the municipal lighting plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used, and the amount thereof.

In Lieu of Tax Payment \$ 32,948.51

**STATEMENT OF INCOME FOR THE YEAR**

Line No.	Account (a)	Total	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenue (P.37 and 43).....	4,503,589.95	(61,952.31)
3	Operating Expenses:		
4	401 Operation Expense (P.42 and 47).....	3,677,741.31	(241,460.43)
5	402 Maintenance Expense (P.42 and 47).....	207,211.66	27,580.89
6	403 Depreciation Expense.....	278,413.65	8,614.31
7	407 Amortization Property Losses.....		
8			
9	408 Taxes (P.49).....		
10	Total Operating Expenses.....	4,163,366.62	(205,265.23)
11	Operating Income.....	340,223.33	143,312.92
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income.....	340,223.33	143,312.92
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P.51)		
17	419 Interest Income.....	16,415.53	(60,405.62)
18	421 Miscellaneous Nonoperating Income.....		
19	Total Other Income.....	16,415.53	(60,405.62)
20	Total Income.....	356,638.86	82,907.30
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	Total Income Deductions.....		
25	Income before Interest Charges.....	356,638.86	82,907.30
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes.....	43,950.00	(2,250.00)
28	428 Amortization of Debt Discount and Expense.....		
29	429 Amortization of Premium on Debt - Credit.....		
30	431 Other Interest Expenses.....		
31	432 Interest Charged to Construction - Credit.....		
32	Total Interest Charges.....	43,950.00	(2,250.00)
33	<b>NET INCOME</b> .....	312,688.86	85,157.30

**EARNED SURPLUS**

Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period).....		3,941,732.59
35			
36			
37	433 Balance Transferred from Income.....		312,688.86
38	434 Miscellaneous Credits to Surplus.....		1,620.19
39	435 Miscellaneous Debits to Surplus.....	81,314.58	
40	436 Appropriations of Surplus.....	32,948.51	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	4,141,778.55	
43			
44	<b>Totals</b>	4,256,041.64	4,256,041.64

CASH BALANCES AT END OF YEAR (Account 131)		
Line No.	Items (a)	Amount (b)
1	Operation Fund.....	17,015.80
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	
5	Rate Stabilization Fund.....	274,609.05
6		
7		
8		
9		
10		
11		
12	<b>Total</b>	291,624.85

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, P.25).....		
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	15,001.94	
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 \$.....	15,001.94	

DEPRECIATION FUND ACCOUNT (Account 136)		
Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of Account at Beginning of Year.....	2,219,679.18
26	Income During Year from Balance on Deposit.....	14,639.90
27	Amount Transferred from Income.....	278,413.65
28	<b>Total</b>	2,512,732.73
29		
30	CREDITS	
31	Amount Expended for Construction Purposes (Sec. 57, Ch. 164 of G.L.).....	214,121.26
32	Amounts Expended for Renewals, viz:-	
33		
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	2,298,611.47
40	<b>Total</b>	2,512,732.73

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.....						
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers, and Accessories						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant.....						
19	Total Production Plant.....						
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way.....						
23	352 Structures and Improvements.....						
24	353 Station Equipment.....						
25	354 Towers and Fixtures.....						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Devices.....	300,232.58		9,283.20			250,949.38
28	357 Underground Conduits.....	39,076.93	2,815.95	2,817.96	40,000.00		39,074.92
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	Total Transmission Plant.....	339,309.51	2,815.95	12,101.16	40,000.00		290,024.30

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)	
<b>4. DISTRIBUTION PLANT</b>								
1	360 Land and Land Rights.....	2,091.54					2,091.54	
2	361 Structures and Improvements.....	667.53		196.92			470.61	
3	362 Station Equipment.....	1,562,156.15	1,941.70	74,485.41			1,489,612.44	
4	363 Storage Battery Equipment.....							
5	364 Poles, Towers, and Fixtures.....	222,030.48	27,227.45	16,224.72			233,033.21	
6	365 Overhead Conductors and Devices.....	569,671.48	261,659.62	46,622.04			784,709.06	
7	366 Underground Conduits.....	107,261.38	2,633.48	9,073.68			100,821.18	
8	367 Underground Conductors and Devices.....	77,521.34	8,450.37	6,272.04	1,232.00		78,467.67	
9	368 Line Transformers.....	274,644.05	12,666.73	12,139.48			275,171.30	
10	369 Services.....	71,655.78	5,059.12	8,932.84			67,782.06	
11	370 Meters.....	393,628.77	7,678.73	10,996.84			390,310.66	
12	371 Installation on Customers' Premises.....							
13	372 Leased Property on Customers' Premises.....							
14	373 Street Light and Signal Systems.....							
15	Total Distribution Plant.....	70,033.03	788.02	5,928.60			64,892.45	
16		3,351,361.53	328,105.22	190,872.57	1,232.00		3,487,362.18	
17	<b>5. GENERAL PLANT</b>							
18	389 Land and Land Rights.....	110,000.00					110,000.00	
19	390 Structures and Improvements.....	417,654.44		23,309.40			394,345.04	
20	391 Office Furniture and Equipment.....	9,892.70		3,458.40			6,434.30	
21	392 Transportation Equipment.....	437,554.48		21,420.36			416,134.12	
22	393 Stores Equipment.....							
23	394 Tools, Shop, and Garage Equipment.....	123,153.01	1,790.95	6,322.56			118,621.40	
24	395 Laboratory Equipment.....	15,481.40		581.64			14,899.76	
25	396 Power Operated Equipment.....							
26	397 Communication Equipment.....	6,198.58		946.32			5,252.26	
27	398 Miscellaneous Equipment.....	4,371.18		141.24			4,229.94	
28	399 Other Tangible Property.....							
29	Total General Plant.....	1,124,305.79	1,790.95	56,179.92			1,069,916.82	
30	Total Electric Plant in Service.....	4,814,976.83	332,712.12	259,153.65	41,232.00		4,847,303.30	
31	104 Utility Plant Leased to Others.....							
32	105 Property Held for Future Use.....							
33	107 Construction Work in Progress.....							
34	Total Utility Plant Electric.....	4,814,976.83	332,712.12	259,153.65	41,232.00		4,847,303.30	

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	<b>TOTAL</b>	
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17	November & December 2012 National Grid Adjustment	1,620.19
18		
19		
20		
21		
22		
23	<b>TOTAL</b>	1,620.19
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24	Bond and Note Payments	75,000.00
25	2013 Misc A/R Write-Off	6,314.58
26		
27		
28	<b>TOTAL</b>	81,314.58
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
29	In Lieu of Tax Payment	32,948.51
30		
31		
32	<b>TOTAL</b>	32,948.51

<b>MUNICIPAL REVENUES (Account 482, 444)</b>					
<b>(K.W.H. sold under the provision of Chapter 269, Acts of 1927)</b>					
Line No.	Acc't No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M.C.F. (d)
1	482				
2					
3					
4		<b>TOTALS</b>			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. (d)
5	444	Municipal: (Other Than Street Lighting):	1,729,923	270,805.43	0.1565
6					
7					
8					
9					
10					
11					
12		<b>TOTALS</b>	1,729,923	270,805.43	0.1565
13					
14		Street Lighting:	222,801	22,948.51	0.1030
15					
16					
17					
18		<b>TOTALS</b>	222,801	22,948.51	0.1030
13		<b>TOTALS</b>	1,952,724	293,754	0.1504

<b>PURCHASED POWER (Account 555)</b>					
Line No.	Name of Utility from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. (e)
20		Burnside Lane			
21		23,000 Volts			
22	ISO of Energy New England		5,211,389	2,501,711.19	0.4800
23	Macquarie		18,588,761	1,095,807.58	0.0590
24	NYPA		2,114,318	68,033.14	0.0322
25	Miller Hydro		918,093	53,570.09	0.0583
26	Spruce Mountain Wind		869,225	86,342.94	0.0993
27	NextEra		3,296,000	208,105.91	0.0631
28	National Grid			85,220.06	
29	Macquarie Credit			(1,152,251.72)	
30	Miller Hydro, NextEra & Spruce Mtn.			(80,629.82)	
31					
32		<b>TOTALS</b>	30,997,786	2,865,909.37	0.0925

<b>SALES FOR RESALE (Account 447)</b>					
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 K.W.H. (e)
33					
34					
35					
36		<b>TOTALS</b>			



**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 number of meters, plus number of flat rate accounts, except that 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 of Commercial and Industrial Sales, Account 442, according to Small (or Commercial) and 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 of demand. See Account 442 of the Uniform System of Accounts. Explain basis 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)
<b>SALES OF ELECTRICITY</b>							
1	440 Residential Sales	3,496,873.74	(44,931.59)	21,680,414	(257,048)	2,646	17
2	442 Commercial and Industrial Sales	205,611.94	4,294.77	1,117,081	21,202	148	2
3	Small (or Commercial - see instr. 5)	451,631.04	(37,161.41)	2,461,479	(193,245)	27	(1)
4	Large (or Industrial - see instr. 5)	293,752.36	(6,639.98)	1,952,724	(51,557)	32	2
5	444 Municipal Sales	15,078.17	(250.54)	95,513	(2,071)	126	(5)
6	445 Other Sales: Private Area Lighting						
7	446 Sales to Railroads and Railways						
8	448 Interdepartmental Sales						
9	449 Miscellaneous Sales						
10	Total Sales to Ultimate Consumers	4,462,947.25	(84,688.75)	27,307,211	(482,719)	2,978	15
11	447 Sales for Resale						
12	Total Sales of Electricity*	4,462,947.25	(84,688.75)	27,307,211	(482,719)	2,978	15
<b>OTHER OPERATING REVENUES</b>							
13	450 Forfeited Discounts						
14	451 Miscellaneous Service Revenues						
15	453 Sales of Water and Water Power						
16	454 Rent from Electric Property						
17	455 Interdepartmental Rents						
18	456 Other Electric Revenues	40,642.70	25,849.24				
19	Total Other Operating Revenues	40,642.70	25,849.24				
20	Total Electric Operating Revenue	4,503,589.95	(61,952.31)				
21							
22							
23							
24							
25							
26							

\*Includes revenues from application of fuel clauses:

\$1,803,773.05

Total KWH to which applied:

27,084,410.00

**SALE OF ELECTRICITY TO ULTIMATE CONSUMERS**

Report by account 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 Number	Schedule	K.W.H.	Revenue	Average Revenue per K.W.H. (cents)	Number of Customers (per Bills rendered)	
						July 31	December 31
1	440.1	Rate - B	19,949,161	3,230,858.34	16.1955	2,555	2,563
2	440.2	Rate - C	1,731,253	266,015.40	15.3655	87	87
3	442.1	Rate - F1	2,355,399	424,557.25	18.0249	148	148
4	442.3	Rate - F	1,117,081	205,611.94	18.4062	27	27
5	442.4	Rate - F2	106,080	27,073.79	25.5220	1	1
6	444.1	Municipal	1,729,923	270,805.43	15.6542	29	30
7	444	Street Lights Municipal	222,801	22,948.51	10.3000	1	1
8	445.1	Private Area Lights	95,513	15,078.17	15.7865	128	123
Total Sales to Ultimate Consumers (P.37 L.11)			27,307,211	4,462,949	16.3435	2,976	2,980

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>	\$	\$
2	Maintenance:		
3	541 Maintenance Supervision and Engineering.....		
4	542 Maintenance of Structures.....		
5	543 Maintenance of Reservoirs, Dams, and Waterways.....		
6	544 Maintenance of Electric Plant.....		
7	545 Maintenance of Miscellaneous Hydraulic Plant.....		
8	Total Maintenance.....		
9	Total Power Production Expenses - Hydraulic Power.....		
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Generation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation.....		
18	Maintenance:		
19	551 Maintenance Supervision and Engineering.....		
20	552 Maintenance of Structures.....		
21	553 Maintenance of generation and electric plant.....		
22	554 Maintenance of miscellaneous other power generation plant.....		
23	Total Maintenance.....		
24	Total Power Production Expenses - Other Power.....		
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power.....	2,865,909.37	(290,940.54)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	49,102.03	19,127.60
29	Total Other Power Supply Expenses.....	2,915,011.40	(271,812.94)
30	Total Power Production Expenses.....	2,915,011.40	(271,812.94)
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation Supervision and Engineering.....		
34	561 Load Dispatching.....		
35	562 Station Expenses.....		
36	563 Overhead Line Expenses.....		
37	564 Underground Line Expenses.....		
38	565 Transmission of Electricity by Others.....		
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation.....		
42	Maintenance:		
43	568 Maintenance Supervision and Engineering.....		
44	569 Maintenance of Structures.....		
45	570 Maintenance of Station Equipment.....		
46	571 Maintenance of Overhead Lines.....		
47	572 Maintenance of Underground Lines.....		
48	573 Maintenance of Miscellaneous Transmission Plant.....		
49	Total Maintenance.....		
50	Total Transmission Expenses.....		

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>	\$	\$
2	Operation:		
3	580 Operation Supervision and Engineering.....		
4	581 Load Dispatching.....		
5	582 Station Expenses.....	1,965.82	(6,142.14)
6	583 Overhead Line Expenses.....	10,620.34	(38,104.79)
7	584 Underground Line Expenses.....	4,427.43	3,928.03
8	585 Street Lighting and Signal System Expenses.....	5,452.04	(240.54)
9	586 Meter Expenses.....	8,835.56	2,379.94
10	587 Customer Installation Expenses.....	2,633.05	(5,546.32)
11	588 Miscellaneous Distribution Expenses.....	16,313.87	(7,987.77)
12	589 Rents.....		
13	Total Operation.....	50,248.11	(51,713.59)
14	Maintenance:		
15	590 Maintenance Supervision and Engineering.....		
16	591 Maintenance of Structures.....		
17	592 Maintenance of Station Equipment.....	232.97	232.97
18	593 Maintenance of Overhead Lines.....	97,760.37	36,868.65
19	594 Maintenance of Underground Lines.....	16,394.50	6,999.54
20	595 Maintenance of Line Transformers.....	1,405.61	640.81
21	596 Maintenance of Street Lighting and Signal Systems.....		
22	597 Maintenance of Meters.....	0.00	(1,069.32)
23	598 Maintenance of Miscellaneous Distribution Plant.....	58,383.87	(3,814.51)
24	Total Maintenance.....	174,177.32	39,858.14
25	Total Distribution Expenses.....	224,425.43	(11,855.45)
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision.....		
29	902 Meter Reading Expenses.....	37,065.72	27,604.97
30	903 Customer Records and Collection Expenses.....	95,029.37	(868.70)
31	904 Uncollectable Accounts.....	22,115.65	22,115.65
32	905 Miscellaneous Customer Accounts Expenses.....		
33	Total Customer Accounts Expenses.....	154,210.74	48,851.92
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....		
38	913 Advertising Expenses.....	4,732.32	(3,586.68)
39	916 Miscellaneous Sales Expenses.....		
40	Total Sales Expenses.....	4,732.32	(3,586.68)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and General Salaries.....	200,187.83	4,782.33
44	921 Office Supplies and Expenses.....	34,009.50	487.42
45	922 Administrative Expenses Transferred.....		
46	923 Outside Services Employed.....	79,882.17	11,760.08
47	924 Property Insurance.....		
48	925 Injuries and Damages.....	24,637.00	913.50
49	926 Employee Pensions and Benefits.....	206,969.41	17,341.98
50	928 Regulatory Commission Expenses.....		
51	929 Duplicate Charges.....		
52	930 Miscellaneous General Expenses.....	7,439.83	1,102.55
53	931 Rents.....	413.00	413.00
54	Total Operation.....	553,538.74	36,800.86

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account ( a )	Amount for Year ( b )	Increase or (Decrease) from Preceding Year ( c )
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES -- Cont.</b>	\$	\$
2	Maintenance:		
3	932 Maintenance of General Plant.....	3,753.52	(9,841.71)
4	933 Transportation Expenses.....	29,280.82	(2,435.54)
5	Total Administrative and General Expenses.....	586,573.08	24,523.61
	Total Electric Operation and Maintenance Expenses.....	3,884,952.97	(213,879.54)

<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
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.....			
12	Other Power Supply Expenses.....	2,915,011.40		2,915,011.40
13	Total Power Production Expenses.....	2,915,011.40		2,915,011.40
14	Transmission Expenses.....			
15	Distribution Expenses.....	50,248.11	174,177.32	224,425.43
16	Customer Accounts Expenses.....	154,210.74		154,210.74
17	Sales Expenses.....	4,732.32		4,732.32
18	Administrative and General Expenses.....	553,538.74	33,034.34	586,573.08
19	Total Electric Operation and Maintenance Expenses	3,677,741.31	207,211.66	3,884,952.97
20	Ratio of operating expenses to operating revenues (carry out decimal two places) Compute by dividing Revenues (acc 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)			92.45%
21	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction, and other accounts.....			623,612.06
22	Total number of employees of electric department at end of year including administrative, operating, maintenance, and other employees (including part time employees):			8

**ELECTRIC ENERGY ACCOUNT**

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

Item (a)	Kilowatt-hours (b)
<b>SOURCES OF ENERGY</b>	
Generation (excluding station use):	
Steam.....	
Nuclear.....	
Hydro.....	
Other.....	
Total Generation.....	
Purchases.....	30,997,786
Interchanges.....	
In (gross)....	
Out (gross)....	
Net (kWh).....	
Transmission for/by others (wheeling).....	
Received.....	
Delivered.....	
Net (kWh).....	
<b>TOTAL</b> .....	<b>30,997,786</b>
<b>DISPOSITION OF ENERGY</b>	
Sales to ultimate consumers (including interdepartmental sales).....	27,307,211
Sales for resale.....	
Energy furnished without charge.....	
Energy used by the company (excluding station use).....	
Electric Department only.....	76,595
Energy Losses:	
Transmission and conversion losses.....	1,445,592
Distribution losses.....	
Unaccounted for losses.....	2,168,388
Total Energy Losses.....	3,613,980
Energy losses as percent of total .....	11.66%
Unaccounted Losses .....	7.00%
<b>TOTAL</b>	<b>30,997,786</b>

**MONTHLY PEAKS AND OUTPUT**

1. Reports 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 purchases 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 intergrated.)  
 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.

System: Merrimac, MA

**MONTHLY PEAKS**

Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kWh) (g)
January	5,746	WEDNESDAY	23	1900-2000	60 MIN	2,831,598
February	5,676	FRIDAY	8	1800-1900	60 MIN	2,502,113
March	5,084	THURSDAY	7	1900-2000	60 MIN	2,550,273
April	4,388	TUESDAY	2	2100-2200	60 MIN	2,136,917
May	6,309	FRIDAY	31	1900-2000	60 MIN	2,168,479
June	7,656	MONDAY	24	1800-1900	60 MIN	2,657,275
July	8,184	FRIDAY	19	1800-1900	60 MIN	3,451,539
August	6,187	THURSDAY	22	1800-1900	60 MIN	2,726,419
September	7,533	WEDNESDAY	11	2000-2100	60 MIN	2,345,198
October	4,517	WEDNESDAY	30	2000-2100	60 MIN	2,241,264
November	5,509	SUNDAY	24	1800-1900	60 MIN	2,438,560
December	6,253	TUESDAY	17	1900-2000	60 MIN	2,948,151
<b>TOTAL</b>						<b>30,997,786</b>

**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 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		11,000	2	0			
3											
4						<b>18,500</b>	<b>4</b>	<b>1</b>			







**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 revenue predicated on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
COPIES OF RATES ATTACHED				

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

\_\_\_\_\_ Mayor

*Thomas A. Jones*

\_\_\_\_\_ Manager of Electric Light

*Norman R. Devault*

*James Spurney*

*Lucas Spuey*

Selectmen or Members of the  
Municipal Light Board

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

\_\_\_\_\_ ss.

\_\_\_\_\_ 2013

Then personally appeared

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

and severly 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

\_\_\_\_\_

**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 November 10, 2008 to become effective on all bills rendered on February 1, 2009.

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

**RATE**

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

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

**RATE**

Customer Charge:	\$8.25
Energy Charge:	\$0.0895 per kilowatt hour

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

**RATE**

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

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

**RATE**

Customer Charge	\$7.65
Energy Charge	\$0.1112 per kilowatt hour

**GENERAL RATE F1—M.D.P.U. No. 71**

**RATE**

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

**POWER SERVICE RATE F2—M.D.P.U. No. 72**

**RATE**

Customer Charge:	\$66.00
Energy Charge:	\$0.09 per kilowatt hour
Energy Charge:	\$5.00 per kilowatt

**STREET LIGHT RATE G—M.D.P.U. No. 73**  
**CANCELLING M.D.P.U. No. 65**

**RATE**

Energy Charge	\$0.1030 per kilowatt hour
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