

**The Commonwealth of Massachusetts**

**Return**

**of the**

**Municipal Light Department of**

**the Town of Middleton**

**to the**

**Department of Public Utilities**

**of Massachusetts**

**For the Year ended December 31,**

**2013**

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

Official title: Manager

Form AC-19

Mark T. Kelly

Office address: 197 North Main Street  
Middleton, MA 01949

***Goulet, Salvidio & Associates, P.C.***  
*Certified Public Accountants*

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James F. Goulet, CPA, MST  
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Michael A. Salvidio, CPA  
James R. Dube, CPA

**INDEPENDENT ACCOUNTANTS' COMPILED REPORT**

The Board of Commissioners  
Middleton Municipal Light Department  
Middleton, MA 01949

We have compiled the balance sheets of Middleton Municipal Light Department as of December 31, 2013 and 2012, and the related statements of income and unappropriated retained earnings for the year ended December 31, 2013 included in the accompanying prescribed form. We have not audited or reviewed the accompanying financial statements included in the accompanying prescribed form and, accordingly, do not express an opinion or provide any assurance about whether the financial statements are in accordance with the form prescribed by the Massachusetts Department of Public Utilities.

Management is responsible for the preparation and fair presentation of the financial statements included in the form prescribed by the Massachusetts Department of Public Utilities and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the compilation in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. The objective of a compilation is to assist management in presenting financial information in the form of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements.

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 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  
May 12, 2014

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## GENERAL INFORMATION

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1. Name of town (or city) making report.	Middleton	
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	
		October 14, 1912
3. Name and address of manager of municipal lighting:		
Mark T. Kelly	32 Thoreau Circle	Beverly, MA 01915
4. Name and address of mayor or selectmen:		
Brian Cresta	5 Ogden Lane	Middleton, MA 01949
Timothy Houten	47 Lake Street	Middleton, MA 01949
Nancy Jones	70 North Main Street	Middleton, MA 01949
Konstantinus Prentakis	7 Vera Road	Middleton, MA 01949
Christine Lindberg	9 Vera Road	Middleton, MA 01949
5. Name and address of town (or city) treasurer:		
Don Carter	60 Greenbrook Rd	S. Hamilton, MA 01982
6. Name and address of town (or city) clerk:		
Sarah George	6 Old South Main Street	Middleton, MA 01949
7. Names and addresses of members of municipal light board:		
Charles Clinch, III	4 Walnut Lane	Middleton, MA 01949
Kevin Kiley	27 Stoney Brook Lane	Middleton, MA 01949
Timothy Houten	47 Lake Street	Middleton, MA 01949
Frank Twiss	23 Webb Street	Middleton, MA 01949
James Kelley	14 Highland Road	Middleton, MA 01949
8. Total valuation of estates in town (or city) according to last State valuation (taxable)	\$	1,620,675,578
9. Tax rate for all purposes during the year:	\$13.90	
10. Amount of manager's salary:	\$164,998	
11. Amount of manager's bond:	\$0	
12. Amount of salary paid to members of municipal light board (each):	\$1,000	

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		0
2	From sales of electricity		13,700,000
3	From Rate Stabilization Fund		300,000
4		<b>TOTAL</b>	14,000,000
	<b>EXPENSES</b>		
6	For operation, maintenance and repairs		13,000,000
7	For interest on bonds, notes or scrip		
8	For depreciation fund ( 3 %	19,058,816	as per page 9)
9	For sinking fund requirements		571,764
10	For note payments		
11	For bond payments		
12	For loss in preceding year		
13		<b>TOTAL</b>	13,571,764
14			
	<b>COST:</b>		
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		220,000
19	Of electricity to be used for street lights		78,000
20	Total of above items to be included in the tax levy		298,000
21			
22	New construction to be included in the tax levy		
23	Total amounts to be included in the tax levy		298,000

**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	Middleton	3,625
<b>TOTAL</b>	0	<b>TOTAL</b>	3,625

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

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

**FOR CONSTRUCTION OR PURCHASE OF PLANT**

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

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

1. Street lights	78,000
2. Municipal buildings	220,000
3.	
	TOTAL _____ 298,000

\* Date of meeting and whether regular or special

\*\* Here insert bonds, notes or tax levy

**CHANGES IN THE PROPERTY**

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

**In electric property:** None**In gas property:** Not applicable

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Oct. 14, 1912	Dec. 13, 1914	4,500					
May 17, 1977	June 6, 1978	140,000					
May 10, 1988	Dec. 5, 1989	2,000,000					
May 14, 2002	Jan 15, 2003	625,000	115,000 110,000 105,000 105,000 95,000 95,000	15-Jan-04 15-Jan-05 15-Jan-06 15-Jan-07 15-Jan-08 15-Jan-09	2 2 2 2.25 2.75 3	15-Jan-04 15-Jan-05 15-Jan-06 15-Jan-07 15-Jan-08 15-Jan-09	
TOTAL		2,760,500					TOTAL

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only.

\* Date of meeting and whether regular or special

\*\* List original issues of bonds and notes including those that have been repaid

## Town Notes

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
05-08-84	03-26-86	350,000					0
TOTAL		350,000				TOTAL	0

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

\* Date of meeting and whether regular or special

\*\* List original issues of bonds and notes including those that have been repaid

		<b>TOTAL COST OF PLANT - ELECTRIC</b>					
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c) or (d) as appropriate.				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0	0	0	0	0	0
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	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						
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
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	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	3,294					3,294
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	15,877					15,877
27	356 Overhead Conductors and Devices	64,268					64,268
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	83,439	0	0	0	0	83,439

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						
2	360 Land and Land Rights	144,229					144,229
3	361 Structures and Improvements	9,859					9,859
4	362 Station Equipment	3,309,147	35,329	10,000			3,334,476
5	363 Storage Battery Equipment	5,741					5,741
6	364 Poles Towers and Fixtures	1,229,982	138,220	7,500			1,360,702
7	365 Overhead Conductors and Devices	3,048,799	124,753	5,000			3,168,552
8	366 Underground Conduit	176,502	2,916				179,418
9	367 Underground Conductors and Devices	3,272,293	64,187	7,500			3,328,980
10	368 Line Transformers	1,936,311	160,833	15,000			2,082,144
11	369 Services	498,822	4,871	1,000			502,693
12	370 Meters	739,579	60,157	30,000			769,736
13	371 Installations on Customer's Premises	7,455					7,455
14	372 Leased Prop on Customer's Premises	93,780					93,780
15	373 Streetlight and Signal Systems	611,146	19,218				630,364
16	Total Distribution Plant	15,083,645	610,484	76,000	0	0	15,618,129
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800					179,800
19	390 Structures and Improvements	1,161,075	26,297				1,187,372
20	391 Office Furniture and Equipment	371,782	29,667	100			401,349
21	392 Transportation Equipment	1,430,982	645				1,431,627
22	393 Stores Equipment	33,322					33,322
23	394 Tools, Shop and Garage Equipment	316,391	10,124	2,000			324,515
24	395 Laboratory Equipment	16,898					16,898
25	396 Power Operated Equipment	6,742					6,742
26	397 Communication Equipment	74,823					74,823
27	398 Miscellaneous Equipment	26,573	1,550				28,123
28	399 Other Tangible Property	0					0
29	Total General Plant	3,618,388	68,283	2,100	0	0	3,684,571
30	Total Electric Plant in Service	18,785,472	678,767	78,100	0	0	19,386,139
31					Total Cost of Electric Plant.....		19,386,139
33					Less Cost of Land, Land Rights, Rights of Way.....		327,323
34					Total Cost upon which Depreciation is based .....		19,058,816

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.

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**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	<b>UTILITY PLANT</b>			
2	101 Utility Plant - Electric (P. 17)	8,641,767	8,766,790	125,023
3	101 Utility Plant - Gas (P. 20)			0
4				
5	Total Utility Plant	8,641,767	8,766,790	125,023
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds			0
13	126 Depreciation Fund (P. 14)	2,303,149	2,314,233	11,084
14	128 Other Special Funds	6,024,313	6,241,830	217,517
15	Total Funds	8,327,462	8,556,063	228,601
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14)	589,186	568,458	(20,728)
18	132 Special Deposits	152,354	148,863	(3,491)
19	135 Working Funds	2,950	2,951	1
20	141 Notes Receivable			0
21	142 Customer Accounts Receivable	1,605,974	1,461,039	(144,935)
22	143 Other Accounts Receivable	92,182	110,851	18,669
23	146 Receivables from Municipality			0
24	151 Materials and Supplies (P. 14)	420,990	385,896	(35,094)
25				
26	165 Prepayments	521,805	543,526	21,721
27	174 Miscellaneous Current Assets	185,853	274,286	88,433
28	Total Current and Accrued Assets	3,571,294	3,495,870	(75,424)
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount			
31	182 Extraordinary Property Losses			
32	185 Other Deferred Debits	150,150	147,660	(2,490)
33	Total Deferred Debits	150,150	147,660	(2,490)
34				
35	Total Assets and Other Debits	20,690,673	20,966,383	275,710

**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	0		0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves			0
5	206	Loans Repayment	2,519,500	2,519,500	0
6	207	Appropriations for Construction Repayments			0
7	208	Unappropriated Earned Surplus (P. 12)	10,940,125	11,457,892	517,767
8		Total Surplus	13,459,625	13,977,392	517,767
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	0	0	0
11	231	Notes Payable (P. 7)		0	0
12		Total Bonds and Notes	0	0	0
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	987,883	698,499	(289,384)
15	234	Payables to Municipality	138,556	137,822	(734)
16	235	Customers' Deposits			0
17	236	Taxes Accrued			0
18	237	Interest Accrued	13,798	11,417	(2,381)
19	242	Miscellaneous Current and Accrued Liabilities	274,668	145,648	(129,020)
20		Total Current and Accrued Liabilities	1,414,905	993,386	(421,519)
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt			0
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	0	0	0
25		Total Deferred Credits	0	0	0
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	116,485	15,254	(101,231)
28	261	Property Insurance Reserve			0
29	262	Injuries and Damages Reserves			0
30	263	Pensions and Benefits Reserves	679,440	833,864	154,424
31	265	Miscellaneous Operating Reserves	202,071	202,071	0
32		Total Reserves	997,996	1,051,189	53,193
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	4,818,147	4,944,416	126,269
35		Total Liabilities and Other Credits	20,690,673	20,966,383	275,710

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

<b>STATEMENT OF INCOME FOR THE YEAR</b>			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	13,720,791	125,597
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	11,801,401	36,059
5	402 Maintenance Expense	586,294	2,329
6	403 Depreciation Expense	553,744	25,320
7	407 Amortization of Property Losses		0
8			
9	408 Taxes (P. 49)		0
10	Total Operating Expenses	12,941,439	63,708
11	Operating Income	779,352	61,889
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	779,352	61,889
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	2,672	(2,221)
17	419 Interest Income	132,639	(93,271)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	135,311	(95,492)
20	Total Income	914,663	(33,603)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	914,663	(33,603)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	0	0
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	0
33	<b>NET INCOME</b>	914,663	(33,603)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		10,940,125
35			
36			
37	433 Balance Transferred from Income		914,663
38	434 Miscellaneous Credits to Surplus (P. 21)		92,637
39	435 Miscellaneous Debits to Surplus (P. 21)	263,713	
40	436 Appropriations of Surplus (P. 21)	225,820	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	11,457,892	
43			
44	<b>TOTALS</b>	11,947,425	11,947,425

CASH BALANCES AT END OF YEAR		
Line No.	Items (a)	Amount (b)
1	Operation Fund	568,458
2	Interest Fund	0
3	Bond Fund	0
4	Construction Fund	0
5		
6		
7		
8		
9		
10		
11		
12		<b>TOTAL</b> 568,458

**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))		385,896
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	385,896	0

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of account at beginning of year	2,303,149
26	Income during year from balance on deposit (interest)	11,084
27	Amount transferred from income (depreciation)	0
28		
29		<b>TOTAL</b> 2,314,233
30	<b>CREDITS</b>	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	0
32	Amounts expended for renewals,viz:-	
33	Power Contract Settlement	
34		
35		
36		
37		
38		
39	Balance on hand at end of year	2,314,233
40		<b>TOTAL</b> 2,314,233

UTILITY PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c). effect of such amounts.					
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 . Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).					
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0	0	0	0	0	0
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0	0	0	0	0	0

Line No.	Account (a)	Balance Beginning of Year (b)	0				Balance End of Year (g)
			Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant		0	0	0	0	0
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		0	0	0	0	0
19	Total Production Plant		0	0	0	0	0
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						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	3,294	0	0	0	0	3,294

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	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	144,229	0	0	0	0	144,229
3	361 Structures and Improvements	0	0	0	0	0	0
4	362 Station Equipment	849,507	35,329	102,177	0	0	782,659
5	363 Storage Battery Equipment	8,230	0	172	0	0	8,058
6	364 Poles Towers and Fixtures	454,605	138,220	36,900	0	0	555,925
7	365 Overhead Conductors and Devices	1,420,842	124,753	91,464	0	0	1,454,131
8	366 Underground Conduit	85,558	2,916	5,295	0	0	83,179
9	367 Underground Conductors and Devices	1,752,286	64,187	98,169	0	0	1,718,304
10	368 Line Transformers	1,072,359	160,833	58,089	0	0	1,175,103
11	369 Services	140,099	4,871	14,965	0	0	130,005
12	370 Meters	462,770	60,157	22,187	0	0	500,740
13	371 Installations on Customer's Premises	2,942	0	224	0	0	2,718
14	372 Leased Prop on Customer's Premises	3,042	0	2,813	0	0	229
15	373 Streetlight and Signal Systems	215,040	19,218	18,334	0	0	215,924
16	Total Distribution Plant	6,611,509	610,484	450,789	0	0	6,771,204
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800	0		0	0	179,800
19	390 Structures and Improvements	331,326	26,297	34,832	0	0	322,791
20	391 Office Furniture and Equipment	247,737	29,667	11,153	0	0	266,251
21	392 Transportation Equipment	1,056,031	645	42,929	0	0	1,013,747
22	393 Stores Equipment	7,116	0	1,000	0	0	6,116
23	394 Tools, Shop and Garage Equipment	179,713	10,124	9,492	0	0	180,345
24	395 Laboratory Equipment	3,308	0	507	0	0	2,801
25	396 Power Operated Equipment	0	0	0	0	0	0
26	397 Communication Equipment	21,933	0	2,245	0	0	19,688
27	398 Miscellaneous Equipment	0	1,550	797	0	0	753
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	2,026,964	68,283	102,955	0	0	1,992,292
30	Total Electric Plant in Service	8,641,767	678,767	553,744	0	0	8,766,790
31	104 Utility Plant Leased to Others	0					0
32	105 Property Held for Future Use	0					0
33	107 Construction Work in Progress	0					0
34	Total Utility Plant Electric	8,641,767	678,767	553,744	0	0	8,766,790

## PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)

(Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

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

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

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6		
	<b>TOTAL</b>	0
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	<b>TOTAL</b>	0
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15	Lawsuit proceeds related to prior year	2,637
16	2012 Audit Adjustment	90,000
17		
18		
19		
20		
21		
22		
23		
	<b>TOTAL</b>	92,637
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24	Prior Year audit adjustment - Reading	263,713
25		
26		
27		
28		
29		
30		
31		
32		
	<b>TOTAL</b>	263,713
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payment	225,820
34		
35		
36		
37		
38		
39		
40		
	<b>TOTAL</b>	225,820

**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			<b>TOTALS</b>		
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444-2	Municipal: (Other Than Street Lighting)	1,534,001	202,860	0.1322
6					
7					
8					
9					
10					
11					
12			<b>TOTALS</b>	1,534,001	202,860
13	444-1	Street Lighting			0.1322
14					
15					
16					
17					
18			<b>TOTALS</b>	594,148	76,009
19					0.1279
			<b>TOTALS</b>	2,128,149	278,869
					0.1310

**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					
21					
22					
23					
24					
25					
26					
27					
28					
29			<b>TOTALS</b>	0	0.0000

**SALES FOR RESALE (Account 447)**

Line No.	Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
30	Reading Light Department	Middleton Line - 250	144,242	18,798	0.1303
31					
32					
33					
34					
35					
36					
37					
38					
39			<b>TOTALS</b>	144,242	18,798

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.		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.					
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.		4. Unmetered sales should be included below. The details of such sales should be given in a footnote.					
3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate		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)	<b>Operating Revenues</b>		<b>Kilowatt-hours Sold</b>		<b>Average Number of Customers per Month</b>	
		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	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	5,167,469	194,728	38,002,192	1,170,715	3,054	38
3	442 Commercial and Industrial Sales						0
4	Small Commercial B Sales	3,048,561	90,079	19,827,665	463,818	503	19
5	Large Commercial C Sales	5,152,053	(158,990)	36,289,852	(1,610,618)	15	0
6	444 Municipal Sales	278,869	(2,633)	2,128,149	5,990	17	0
7	445 Other Sales to Public Authorities	42,580	259	476,318	1,491	8	0
8	446 Sales to Railroads and Railways		0		0		0
9	448 Interdepartmental Sales		0		0		0
10	449 Miscellaneous Sales		0		0		0
11	<b>Total Sales to Ultimate Consumers</b>	13,689,532	123,443	96,724,176	31,396	3,597	57
12	447 Sales for Resale	18,798	270	144,242	7,947		0
13	<b>Total Sales of Electricity*</b>	13,708,330	123,713	96,868,418	39,343	3,597	57
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts		0				
16	451 Miscellaneous Service Revenues		0				
17	453 Sales of Water and Water Power		0				
18	454 Rent from Electric Property	6,936	84				
19	455 Interdepartmental Rents		0				
20	456 Other Electric Revenues	5,525	1,800				
21							
22							
23							
24							
25	Total Other Operating Revenues	12,461	1,884				
26	Total Electric Operating Revenue	13,720,791	125,597				

\* Includes revenues from application of fuel clauses \$ 0

Total KWH to which applied 95,797,952

**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	440.000	Rate - A	38,002,192	5,167,469	0.1360	3,036	3,072
2	442.100	Rate - B	19,827,665	3,048,561	0.1538	488	517
3	442.200	Rate - E1 & E2 & E3	36,289,852	5,152,053	0.1420	15	16
4	444.000	Municipal	1,534,001	202,860	0.1322	17	18
5	444.100	St. Lights Municipal	594,148	76,009	0.1279	1	1
6	445.000	Private Area Lights	476,318	42,580	0.0894	64	19
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)				96,724,176	13,689,532	0.1415	3,621
							3,643

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space proved 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	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering		0
5	501 Fuel		0
6	502 Steam Expenses		0
7	503 Steam from other sources		0
8	504 Steam transferred -- Cr.		0
9	505 Electric expenses		0
10	506 Miscellaneous steam power expenses		0
11	507 Rents		0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering		0
15	511 Maintenance of Structures		0
16	512 Maintenance of boiler plant		0
17	513 Maintenance of electric plant		0
18	514 Maintenance of miscellaneous steam plant		0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering		0
24	518 Fuel		0
25	519 Coolants and water		0
26	520 Steam Expenses		0
27	521 Steam from other sources		0
28	522 Steam transferred -- Cr.		0
29	523 Electric expenses		0
30	524 Miscellaneous nuclear power expenses		0
31	525 Rents		0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering		0
35	529 Maintenance of Structures		0
36	530 Maintenance of reactor plant		0
37	531 Maintenance of electric plant		0
38	532 Maintenance of miscellaneous nuclear plant		0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering		0
44	536 Water for power		0
45	537 Hydraulic expenses		0
46	538 Electric expenses		0
47	539 Miscellaneous hydraulic power generation expenses		0
48	540 Rents		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	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	
4	542 Maintenance of structures	0	
5	543 Maintenance or reservoirs, dams and waterways	0	
6	544 Maintenance of electric plant	0	
7	545 Maintenance of miscellaneous hydraulic plant	0	
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	0	
13	547 Fuel	0	
14	548 Generation Expenses	0	
15	549 Miscellaneous other power generation expense	0	
16	550 Rents	0	
17	Total Operation	0	0
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	
20	552 Maintenance of Structures	0	
21	553 Maintenance of generating and electric plant	0	
22	554 Maintenance of miscellaneous other power generation plant	0	
23	Total Maintenance	0	0
24	Total power production expenses - other power	0	0
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	9,917,589	(63,819)
27	556 System control and load dispatching	0	0
28	557 Other expenses	168,854	56,746
29	Total other power supply expenses	10,086,443	(7,073)
30	Total power production expenses	10,086,443	(7,073)
31	<b>TRANSMISSION EXPENSES</b>		
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		
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	0	0
50	Total transmission expenses	0	0

<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	96,220	4,479
4	581 Load dispatching (Operation Labor)		0
5	582 Station expenses	0	(61)
6	583 Overhead line expenses	122,167	38,499
7	584 Underground line expenses	8,691	(5,419)
8	585 Street lighting and signal system expenses	1,027	623
9	586 Meter expenses	57,425	4,765
10	587 Customer installations expenses	283,610	51,338
11	588 Miscellaneous distribution expenses	61,057	5,561
12	589 Rents	0	0
13	Total operation	630,197	99,785
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	6,882	(1,052)
18	593 Maintenance of overhead lines	265,409	(66,676)
19	594 Maintenance of underground lines	26,029	26,029
20	595 Maintenance of line transformers	2,308	901
21	596 Maintenance of street lighting and signal systems	34,649	(1,355)
22	597 Maintenance of meters	0	(190)
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	335,277	(42,343)
25	Total distribution expenses	965,474	57,442
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	30,100	(4,023)
30	903 Customer records and collection expenses	47,098	(688)
31	904 Uncollectible accounts	5,000	0
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	82,198	(4,711)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	0	(1,700)
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	0	(1,700)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	295,308	54,556
44	921 Office supplies and expenses	27,428	(6,556)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	101,659	(53,293)
47	924 Property insurance	15,205	15,205
48	925 Injuries and damages	3,300	(1,335)
49	926 Employee pensions and benefits	532,269	(52,056)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	27,394	(6,763)
53	931 Rents	0	0
54	Total operation	1,002,563	(50,242)

<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	202,059	41,549
4	933 Transportation	48,958	3,123
5	Total administrative and general expenses	1,253,580	(5,570)
	Total Electric Operation and Maintenance Expenses	12,387,695	38,388
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)
6	<b>Power Production Expenses</b>		
7	Electric Generation:		
8	Steam Power:		
9	Nuclear Power		
10	Hydraulic Power		
11	Other Power		
12	Other Power Supply Expenses	10,086,443	0
13	Total power production expenses	10,086,443	10,086,443
14	Transmission Expenses	0	0
15	Distribution Expenses	630,197	335,277
16	Customer Accounts Expenses	82,198	82,198
17	Sales Expenses	0	0
18	Administrative and General Expenses	1,002,563	251,017
19	Total Electric Operation and Maintenance Expenses	11,801,401	586,294
			12,387,695
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)		0.943
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.		1,405,444
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)		12



<b>OTHER UTILITY OPERATING INCOME (Account 414)</b>					
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					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

<b>INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)</b>					
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	2,672			2,672
5	Commissions				
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	2,672	0	0	2,672
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major classes of cost)				
15					
16	Jobbing/Contract Costs				
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	2,672	0	0	2,672

### SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G, and place and "x" in column (c) if sale involves export across a state line.
3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

## 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)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
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								25
								26
								27
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								31
								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)**

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

2. Provide subheadings and classify purchases as to

(1) Associated Utilities. (2) Nonassociated Utilities. (3)

2. Provide subheadings and classify purchases as to if purchase involves import across a state line.

(1) Associated Utilities, (2) Nonassociated Utilities, (3) 3. Report separately firm, dump, and other power pur-

Associated Nonutilites, (4) Other Nonutilities, (5) chases from the same company. Describe the nature of any

Municipalities, (6) R.E.A Cooperatives, and (7) Other Public purchases classified as Other Power, column (b).

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

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

Annual Report of:

MIDDLETON MUNICIPAL LIGHT DEPT.

Year ended December 31, 2013

**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 minutes integrated).

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No. (q)
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) **	Total (o)		
60 MINUTES	240 kv	2,715,578	83,633			83,633	\$0.0308	1
60 MINUTES	240 kv	43,893	58,409	7,209	2,311	67,929	\$1.5476	2
60 MINUTES	240 kv	988,184	111,134	96,424	2,005	209,563	\$0.2121	3
60 MINUTES	240 kv	294,067	21,280	2,411	21	23,712	\$0.0806	4
60 MINUTES	240 kv	2,523,441	175,130	18,216	1,957	195,303	\$0.0774	5
60 MINUTES	240 kv	1,664,063	125,851	12,058	1,291	139,200	\$0.0837	6
60 MINUTES	240 kv	7,792,485	503,923	63,773	537	568,233	\$0.0729	7
60 MINUTES	240 kv	764,039	51,184	6,260	54	57,498	\$0.0753	8
60 MINUTES	240 kv	164,848	14,202	31,801	697	46,700	\$0.2833	9
60 MINUTES	240 kv	27,004,568	2,251,859	221,759	1,860	2,475,478	\$0.0917	10
					(72,402)	(72,402)		11
					27,694	27,694	N/A	12
60 MINUTES	240 kv	3,296,000	660,000	183,770		843,770	N/A	13
60 MINUTES	240 kv	9,495	1,155		81,112	81,112		14
		367,720	30,386		1,998	3,153	\$0.3321	15
		46,430,900	2,916,193		1,579	30,386	\$0.0826	16
		3,140,737	179,190		(10,465)	1,579		17
		2,975,402	89,862		(199,022)	(10,465)		18
						(199,022)		19
						2,916,193	\$0.0628	20
								21
								22
								23
								24
								25
								26
	TOTALS:	100,175,420	7,273,391	643,681	(158,773)	7,758,299		27

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.		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 (e)	Delivered (f)	
1	NEPEX						1,860,030
2							2,328,144
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15				TOTALS	0	0	1,860,030
							2,328,144
B. Details of Settlement for Interchange Power							
Line No.	Name of Company (i)	Explanation (j)					Amount (k)
16	NEPEX	INTERCHANGE EXPENSE					0
17							
18							
19							
20							
21							
22							
23							
24							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	
4	Nuclear	
5	Hydro	
6	Other	
7	Total Generation	0
8	Purchases	
9		( In (gross) 0)
10	Interchanges	( < Out (gross) 0)
11		( Net (Kwh) 1,860,030)
12		( Received
13	Transmission for/by others (wheeling)	< Delivered
14		( Net (Kwh) 0)
15	<b>TOTAL</b>	<b>102,035,450</b>
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	96,724,176
18	Sales for resale	144,242
19	Sales adjustment for change in timing of billing cycle	
20	Energy used by the company (excluding station use):	
21	Electric department only	79,000
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses	5,088,032
25	Unaccounted for losses	
26	Total energy losses	5,088,032
27	Energy losses as percent of total on line	4.99%
28		<b>TOTAL</b> <b>102,035,450</b>

**MONTHLY PEAKS AND OUTPUT**

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

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

as to the nature of the emergency.

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

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

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

**Town of Middleton**

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	16,260	Thursday	24-Jan	6:00 PM	60 min	8,907,282
30	February	15,172	Monday	4-Feb	7:00 PM	60 min	7,767,631
31	March	14,360	Thursday	7-Mar	7:00 PM	60 min	8,157,923
32	April	13,012	Tuesday	2-Apr	9:00 PM	60 min	7,269,775
33	May	21,064	Friday	31-May	4:00 PM	60 min	7,754,098
34	June	23,518	Monday	24-Jun	4:00 PM	60 min	9,119,522
35	July	24,123	Wednesday	17-Jul	4:00 PM	60 min	11,071,345
36	August	20,667	Thursday	22-Aug	3:00 PM	60 min	9,520,179
37	September	22,758	Wednesday	11-Sep	4:00 PM	60 min	8,323,577
38	October	13,841	Monday	7-Oct	8:00 PM	60 min	7,672,064
39	November	14,766	Monday	25-Nov	6:00 PM	60 min	7,744,892
40	December	16,174	Tuesday	17-Dec	7:00 PM	60 min	8,727,162
41						<b>TOTAL</b>	<b>102,035,450</b>

<b>GENERATING STATIONS</b>						<b>Pages 58 through 66</b>
<b>GENERATING STATION STATISTICS (Large Stations)</b> (Except Nuclear)						Pages 58-59
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	<b>NONE</b>					
3						
4						
5						
6						
<b>STEAM GENERATING STATIONS</b>						Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	<b>NONE</b>					
3						
4						
5						
6						
<b>HYDROELECTRIC GENERATING STATIONS</b>						Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	<b>NONE</b>					
3						
4						
5						
6						
<b>COMBUSTION ENGINE AND OTHER GENERATING STATIONS</b>						Pages 64-65
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	<b>NONE</b>					
3						
4						
5						
6						
<b>GENERATING STATION STATISTICS (Small Stations)</b>						Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	<b>NONE</b>					
3						
4						
5						
6						

TRANSMISSION LINE STATISTICS								
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	Central St.	Boston St.	23 kv	Wood Pole	1265.000		1	336.4 AL
2								
3	Danvers	Central St.	23 kv	Wood Pole	1700.000		1	795.0 AL
4	Line							
5								
6	Essex St.	Central St.	23 kv	Wood Pole	2100.000		2	795.0 AL
7								
8								
9								
10								
11								
12								
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43								
44								
45								
46								
47								
				TOTALS	5065		4	

\* where other than 60 cycle, 3 phase, so indicate.

**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	Central St., Middleton, MA	Distribution Unattended	23,000	4,160		5,000	3	1	NONE		
2											
3	Boston St., Middleton, MA	Distribution Unattended	23,000	4,160		5,000	1	0	NONE		
4											
5	Gregory St., Middleton, MA	Distribution Unattended	23,000	4,160		5,000	1	0	NONE		
6											
7	Sharpner's Pond Rd., Middleton, MA	Distribution Unattended	115,000	23,000		80,000	2	0	NONE		
8											
9											
10	Debush Ave., Middleton, MA	Distribution Unattended	23,000	4,160		3,000	1	0			
11											
12	Total for General Distribution	Exclusive of M.I.T.				98,000	8	1			
13											
14	M.I.T., Middleton, MA	Distribution Unattended	23,000	480Y		12,500	5	0			
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
			TOTALS			110,500	13	1			

## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	69.40		69.40
2	Added During Year	0.20		0.20
3	Retired During Year			0.00
4	Miles -- End of Year	69.60	0.00	69.60
5	*			
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10	22.9/13.2 kv wye 60 cycles			
11	4160Y/2400V 3 phase			
12	277/480Y 3 phase			
13	208Y/120V 3 phase			
14	240/120V 1 phase			
15				

## ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	2,661	3,796	1,129	55,933.0
17	Additions during year				
18	Purchased	19	326	61	2,262.5
19	Installed				
20	Associated with utility plant acquired				
21	Total Additions	19	326	61	2,262.5
22	Reductions during year:				
23	Retirements	5	398	20	620.0
24	Associated with utility plant sold				
25	Total Reductions	5	398	20	620.0
26	Number at end of year	2,675	3,724	1,170	57,575.5
27	In stock		139	101	7,830.0
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		3,584	1,064	49,538.0
31	In company's use		1	5	207.5
32	Number at end of year		3,724	1,170	57,575.5

\*

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)						
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.						
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground	Cable	Submarine	Cable
			Miles *	Operating Voltage (d)	Feet *	Operating Voltage (f)
1	South Main Street	0.12	2-6"	.12-3	23.00 kv	
2	Ferncroft Road F1	0.49	2-5"	.49-3	23.00 kv	
3	Ferncroft Road F2	0.49	2-5"	.49-3	23.00 kv	
4	Fuller Pond Condominiums	1.60	2-4"	1.60-3	23.00 kv	
5	M.I.T.	0.11	2-6"	.11-3	23.00 kv	
6	Circuit 203	0.12	2-6"	.12-3	4.16 kv	
7	Circuit 302	0.15	2-6"	.15-3	4.16 kv	
8	Averill Road	0.17	2-4"	.17-1	2.40 kv	
9	Bouchard Drive	0.07	2-4"	.07-1	2.40 kv	
10	Briarwood Lane	0.11	2-4"	.11-1	2.40 kv	
11	Brookside Drive	0.10	2-4"	.10-1	2.40 kv	
12	Deacon Drive	0.22	2-4"	.22-1	2.40 kv	
13	Devonshire Drive	0.28	2-4"	.28-1	2.40 kv	
14	Dixey Drive (1)	0.45	2-4"	.45-1	2.40 kv	
15	Donovan Way	0.45	2-4"	.45-1	2.40 kv	
16	Evon Drive	0.09	2-4"	.09-1	2.40 kv	
17	Francis Drive	0.10	2-4"	.10-1	2.40 kv	
18	Kimberly Lane	0.11	2-4"	.11-1	2.40 kv	
19	Linda Ann Way	0.11	2-4"	.11-1	2.40 kv	
20	Maplewood Drive	0.80	2-4"	.80-1	2.40 kv	
21	Northwood Drive	0.51	2-4"	.51-1	2.40 kv	
22	Ryder Lane	0.10	2-4"	.10-1	2.40 kv	
23	Upton Hills Lane	0.42	2-4"	.42-1	2.40 kv	
24	Wildwood Drive	0.22	2-2"	.22-1	2.40 kv	
25	Sugar Hills	0.76	2-4"	.76-1	13.20 kv	
26	Liberty Hills II	0.15	2-4"	.15-1	2.40 kv	
27	Middleton Square	0.12	2-6"	.12-3	23.00 kv	
28	Middleton Square	0.23	2-6"	.23-3	4.16 kv	
29	Middleton Square	0.19	2-6"	.19-3	2.40 kv	
30	Jersey Lane	0.10	2-4"	.10-1	2.40 kv	
31	Hillcrest Acres	0.29	2-4"	.29-1	2.40 kv	
32	Liberty Hills I	0.69	2-4"	.69-1	2.40 kv	
33	Liberty Hills I	0.23	2-4"	.23-3	4.16 kv	
34	Bayberry Place	0.77	2-4"	.77-1	13.20 kv	
35	Ferncroft Place	1.25	2-4"	1.25-1	13.20 kv	
36	Ferncroft Heights	0.41	2-4"	.41-1	13.20 kv	
37	Bayberry Woods	0.35	2-4"	.35-1	13.20 kv	
38	Currier Road	0.29	2-4"	.29-1	2.40 kv	
39	Flint Farm Road	0.47	2-4"	.47-1	2.40 kv	
40	Middleton Heights	1.04	2-4"	1.04-1	13.20 kv	
41	Middleton Danvers Tie	0.09	2-6"	.09-3	23.00 kv	
42						
43						
44	TOTALS	14.82 Miles			0	0

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type								
			Incandescent		Mercury Vapor		LED		Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)	
1	Middleton	1,032	12	0	0	0	8	0	1012	0	
2											
3											
4											
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51											
52	TOTALS	1032	12	0	0	0	8	0	1012	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
		No current year changes		

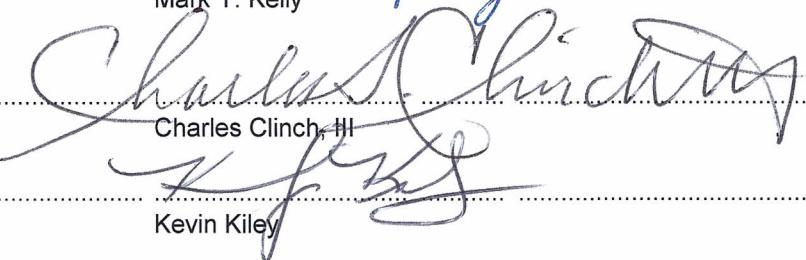
## THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... Mayor



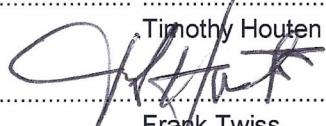
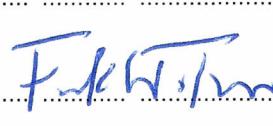
Mark T. Kelly

Manager of Electric Light



Charles Clinch, III

..... Kevin Kiley

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board 

Timothy Houten

Frank Twiss



James Kelley

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

..... SS

..... 19 .....

Then personally appeared

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

# INDEX

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