

# 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,

**2016**

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

Official title: Manager

Michael Cloutier

Office address: 197 North Main Street

Middleton, MA 01949

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

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

Management is responsible for the accompanying financial statements of Middleton Municipal Light Department, which comprise the balance sheet as of December 31, 2016, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the financial statements included in the accompanying prescribed form.

**Other Matter**

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.

Goulet, Salvidio & Associates P.C.

*Goulet, Salvidio & Associates, P.C.*

Worcester, Massachusetts  
May 9, 2017

206 Southbridge Street  
Auburn MA, 01501

324 Grove Street  
Worcester MA, 01605

54 E. Main Street  
Webster, MA 01570

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**GENERAL INFORMATION****Page 3**

- |     |   |  |
|-----|---|--|
| 1.  | Name of town (or city) making report.   | Middleton  |
| 2.  | If the town (or city) has acquired a plant,<br>Kind of plant, whether gas or electric.<br>Owner from whom purchased, if so acquired.<br>Date of votes to acquire a plant in accordance with the provisions of<br>chapter 164 of the General Laws.<br>Record of votes: First vote: Yes, ; No,    Second vote: Yes, ; No,<br>Date when town (or city) began to sell gas and electricity,  | Electric<br><br><br><br><br><br>October 14, 1912 |
| 3.  | Name and address of manager of municipal lighting:<br><br>Michael Cloutier            197 N. Main Street            Middleton, MA 01949   |  |
| 4.  | Name and address of mayor or selectmen:<br><br>Brian Cresta            5 Ogden Lane            Middleton, MA 01949<br>Timothy Houten            47 Lake Street            Middleton, MA 01949<br>Todd Mureschi            34 N. Liberty Street            Middleton, MA 01949<br>Konstantinus Prentakis    7 Vera Road            Middleton, MA 01949<br>Christine Lindberg            9 Vera Road            Middleton, MA 01949                       |  |
| 5.  | Name and address of town (or city) treasurer:<br><br>Don Carter            60 Greenbrook Rd            S. Hamilton, MA 01982  |  |
| 6.  | Name and address of town (or city) clerk:<br><br>Eileen Twiss            23 Webb Street            Middleton, MA 01949  |  |
| 7.  | Names and addresses of members of municipal light board:<br><br>Charles Clinch, III            4 Walnut Lane            Middleton, MA 01949<br>Kevin Kiley            27 Stoney Brook Lane            Middleton, MA 01949<br>Timothy Houten            47 Lake Street            Middleton, MA 01949<br>Frank Twiss            23 Webb Street            Middleton, MA 01949<br>James Kelley            14 Highland Road            Middleton, MA 01949 |  |
| 8.  | Total valuation of estates in town (or city) according to last State valuation<br>(taxable)   | \$    1,871,634,023.00                           |
| 9.  | Tax rate for all purposes during the year:  | \$13.95  |
| 10. | Amount of manager's salary:   | \$188,817  |
| 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	14,000,000
3	From Rate Stabilization Fund	400,000
4	<b>TOTAL</b>	<b>14,400,000</b>
<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 % 20,709,098 as per page 9)	621,273
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13	<b>TOTAL</b>	<b>13,621,273</b>
<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	175,000
19	Of electricity to be used for street lights	40,000
20	Total of above items to be included in the tax levy	215,000
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	215,000

**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	3,705
<b>TOTAL</b>	<b>0</b>	<b>TOTAL</b>	<b>3,705</b>

**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 <u>                    </u> 0

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

1.	Street lights	40,000
2.	Municipal buildings	175,000
3.		
		TOTAL <u>                    </u> 215,000

\* 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	15-Jan-04	2	15-Jan-04	
			110,000	15-Jan-05	2	15-Jan-05	
			105,000	15-Jan-06	2	15-Jan-06	
			105,000	15-Jan-07	2.25	15-Jan-07	
			95,000	15-Jan-08	2.75	15-Jan-08	
			95,000	15-Jan-09	3	15-Jan-09	
	TOTAL	2,769,500				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

**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 (Continued)</b>							
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	3,295					3,295
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	83,440	0	0	0	0	83,440

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	12,716					12,716
4	362 Station Equipment	3,411,401	65,460	2,000			3,474,861
5	363 Storage Battery Equipment	8,331	921				9,252
6	364 Poles Towers and Fixtures	1,549,400	22,284	10,000			1,561,684
7	365 Overhead Conductors and Devices	3,484,732	286,747	65,000			3,706,479
8	366 Underground Conduit	187,435	3,322				190,757
9	367 Underground Conductors and Devices	3,612,649	81,544	5,000			3,689,193
10	368 Line Transformers	2,222,564	32,336	27,000	(108,200)		2,119,700
11	369 Services	501,295	288	1,000			500,583
12	370 Meters	809,475	26,127	25,000			810,602
13	371 Installations on Customer's Premises	7,455					7,455
14	372 Leased Prop on Customer's Premises	93,780	14				93,794
15	373 Streetlight and Signal Systems	645,717	81,481				727,198
16	Total Distribution Plant	16,691,179	600,524	135,000	(108,200)	0	17,048,503
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800					179,800
19	390 Structures and Improvements	1,252,159					1,252,159
20	391 Office Furniture and Equipment	417,313	523				417,836
21	392 Transportation Equipment	1,514,457	115				1,514,572
22	393 Stores Equipment	33,322					33,322
23	394 Tools, Shop and Garage Equipment	341,180	19,721	4,000			356,901
24	395 Laboratory Equipment	17,171					17,171
25	396 Power Operated Equipment	6,742					6,742
26	397 Communication Equipment	75,781	22,072				97,853
27	398 Miscellaneous Equipment	28,123					28,123
28	399 Other Tangible Property	0					0
29	Total General Plant	3,866,048	42,431	4,000	0	0	3,904,479
30	Total Electric Plant in Service	20,640,667	642,955	139,000	(108,200)	0	21,036,422
31							Total Cost of Electric Plant..... 21,036,422
33							Less Cost of Land, Land Rights, Rights of Way..... 327,324
34							Total Cost upon which Depreciation is based ..... 20,709,098

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.

<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)	9,023,154	8,948,509	(74,645)	
3	101 Utility Plant - Gas (P. 20)			0	
4					
5	Total Utility Plant	9,023,154	8,948,509	(74,645)	
6					
7					
8					
9					
10					
11	<b>FUND ACCOUNTS</b>				
12	125 Sinking Funds	0	0	0	
13	126 Depreciation Fund (P. 14)	2,636,490	2,712,128	75,638	
14	128 Other Special Funds	7,678,728	7,968,467	289,739	
15	Total Funds	10,315,218	10,680,595	365,377	
16	<b>CURRENT AND ACCRUED ASSETS</b>				
17	131 Cash (P. 14)	2,085,376	2,369,066	283,690	
18	132 Special Deposits	180,210	151,227	(28,983)	
19	135 Working Funds	2,978	3,002	24	
20	141 Notes Receivable	0	0	0	
21	142 Customer Accounts Receivable	1,412,625	1,426,430	13,805	
22	143 Other Accounts Receivable	24,713	59,967	35,254	
23	146 Receivables from Municipality	0	0	0	
24	151 Materials and Supplies (P. 14)	526,424	621,884	95,460	
25		0	0		
26	165 Prepayments	792,309	640,388	(151,921)	
27	174 Miscellaneous Current Assets	274,286	274,286	0	
28	Total Current and Accrued Assets	5,298,921	5,546,250	247,329	
29	<b>DEFERRED DEBITS</b>				
30	181 Unamortized Debt Discount	0	0	0	
31	182 Extraordinary Property Losses	0	0	0	
32	185 Other Deferred Debits	1,881	442,322	440,441	
33	Total Deferred Debits	1,881	442,322	440,441	
34					
35	Total Assets and Other Debits	24,639,174	25,617,676	978,502	

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
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	0
3		<b>SURPLUS</b>			
4	205	Sinking Fund Reserves	0	0	0
5	206	Loans Repayment	2,519,500	2,519,500	0
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	10,863,426	11,796,126	932,700
8		Total Surplus	13,382,926	14,315,626	932,700
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	0	0	0
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	0	0	0
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	1,320,808	1,075,211	(245,597)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	169,431	134,133	(35,298)
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	11,235	17,094	5,859
19	242	Miscellaneous Current and Accrued Liabilities	154,180	154,180	0
20		Total Current and Accrued Liabilities	1,655,654	1,380,618	(275,036)
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	0	0	0
23	252	Customer Advances for Construction	0	0	0
24	253	Other Deferred Credits	14,257	131,738	117,481
25		Total Deferred Credits	14,257	131,738	117,481
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	25,711	34,104	8,393
28	261	Property Insurance Reserve	0	0	0
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	4,001,955	4,102,130	100,175
31	265	Miscellaneous Operating Reserves	202,071	202,071	0
32		Total Reserves	4,229,737	4,338,305	108,568
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	5,356,600	5,451,389	94,789
35		Total Liabilities and Other Credits	24,639,174	25,617,676	978,502

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)	13,617,960	(108,279)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	11,416,778	(83,442)
5	402 Maintenance Expense	788,928	92,730
6	403 Depreciation Expense	609,400	16,601
7	407 Amortization of Property Losses		0
8			
9	408 Taxes (P. 49)		0
10	Total Operating Expenses	12,815,106	25,889
11	Operating Income	802,854	(134,168)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	802,854	(134,168)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	26,743	26,030
17	419 Interest Income	323,103	(75,269)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	349,846	(49,239)
20	Total Income	1,152,700	(183,407)
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	1,152,700	(183,407)
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>	1,152,700	(183,407)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		10,863,426
35			
36			
37	433 Balance Transferred from Income		1,152,700
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	0	
40	436 Appropriations of Surplus (P. 21)	220,000	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	11,796,126	
43			
44	<b>TOTALS</b>	12,016,126	12,016,126

<b>CASH BALANCES AT END OF YEAR</b>					
Line No.	Items (a)	Amount (b)			
1	Operation Fund	2,369,066			
2	Interest Fund	0			
3	Bond Fund	0			
4	Construction Fund	0			
5					
6					
7					
8					
9					
10					
11					
12					
	<b>TOTAL</b>	2,369,066			
<b>MATERIALS AND SUPPLIES (Accounts 151-159, 163)</b>					
<b>Summary per Balance Sheet</b>					
Line No.	Account (a)	Amount End of Year			
		Electric (b)	Gas (c)		
13	Fuel (Account 151 ) (See Schedule, Page 25)	621,884			
14	Fuel Stock Expenses (Account 152)				
15	Residuals (Account 153)				
16	Plant Materials and Operating Supplies (Account 154 (151))				
17	Merchandise (Account 155)				
18	Other Materials and Supplies (Account 156)				
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)				
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)				
21	Nuclear Byproduct Materials (Account 159)				
22	Stores Expense (Account 163)				
23	Total Per Balance Sheet			621,884	0
<b>DEPRECIATION FUND ACCOUNT (Account 126)</b>					
Line No.	(a)	Amount (b)			
24	<b>DEBITS</b>				
25	Balance of account at beginning of year	2,636,490			
26	Income during year from balance on deposit (interest)	75,638			
27	Amount transferred from income (depreciation)	0			
28					
29		<b>TOTAL</b>			
		2,712,128			
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	2,712,128			
40		<b>TOTAL</b>			
		2,712,128			





0							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
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						
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	2,561	0	381	0	0	2,180
4	362 Station Equipment	685,814	65,460	106,003	0	0	645,271
5	363 Storage Battery Equipment	7,804	921	250	0	0	8,475
6	364 Poles Towers and Fixtures	678,484	22,284	46,482	0	0	654,286
7	365 Overhead Conductors and Devices	1,577,445	286,747	104,542	0	0	1,759,650
8	366 Underground Conduit	80,372	3,322	5,623	0	0	78,071
9	367 Underground Conductors and Devices	1,809,942	81,544	108,380	0	0	1,783,106
10	368 Line Transformers	1,228,206	32,336	66,677	(108,200)	0	1,085,665
11	369 Services	100,459	288	15,039	0	0	85,708
12	370 Meters	546,129	26,127	24,284	0	0	547,972
13	371 Installations on Customer's Premises	2,270	0	13	0	0	2,257
14	372 Leased Prop on Customer's Premises	1	14	0	0	0	15
15	373 Streetlight and Signal Systems	190,607	81,481	22,185	0	0	249,903
16	Total Distribution Plant	7,054,323	600,524	499,859	(108,200)	0	7,046,788
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800	0	0	0	0	179,800
19	390 Structures and Improvements	314,755	0	37,565	0	0	277,190
20	391 Office Furniture and Equipment	258,218	523	12,519	0	0	246,222
21	392 Transportation Equipment	1,010,679	115	45,434	0	0	965,360
22	393 Stores Equipment	4,116	0	1,000	0	0	3,116
23	394 Tools, Shop and Garage Equipment	179,788	19,721	10,235	0	0	189,274
24	395 Laboratory Equipment	2,052	0	515	0	0	1,537
25	396 Power Operated Equipment	0	0	0	0	0	0
26	397 Communication Equipment	16,128	22,072	2,273	0	0	35,927
27	398 Miscellaneous Equipment	1	0	0	0	0	1
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	1,965,537	42,431	109,541	0	0	1,898,427
30	Total Electric Plant in Service	9,023,154	642,955	609,400	(108,200)	0	8,948,509
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	9,023,154	642,955	609,400	(108,200)	0	8,948,509

**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		Cost	
			(c)	(d)	(e)	(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				
Line No.	Item (g)	Total Cost (b)	Kinds of Fuel and Oil - continued			
			Quantity		Cost	
			(h)	(i)	(j)	(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		
16		
17		
18		
19		
20		
21		
22		
23	<b>TOTAL</b>	0
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	0
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payment	220,000
34		
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	220,000

<b>MUNICIPAL REVENUES (Account 482,444)</b> (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)	1,412,130	150,134	0.1063	
6						
7						
8						
9						
10						
11						
12		<b>TOTALS</b>	1,412,130	150,134	0.1063	
13	444-1	Street Lighting	372,463	52,457	0.1408	
14						
15						
16						
17						
18		<b>TOTALS</b>	372,463	52,457	0.1408	
19		<b>TOTALS</b>	1,784,593	202,591	0.1135	
<b>PURCHASED POWER (Account 555)</b>						
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	0.0000
<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 KWH (cents) (0.0000) (e)
30		Reading Light Department	Middleton Line - 250	129,057	14,808	0.1147
31						
32						
33						
34						
35						
36						
37						
38						
39			<b>TOTALS</b>	129,057	14,808	

**ELECTRIC OPERATING REVENUES (Account 400)**

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

meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.  
 5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	5,207,825	(105,236)	38,114,933	(1,359,309)	3,154	42
3	442 Commercial and Industrial Sales						0
4	Small Commercial B Sales	3,225,465	236,310	19,847,059	73,823	512	8
5	Large Commercial C Sales	4,915,448	(175,834)	35,948,380	(118,316)	18	2
6	444 Municipal Sales	202,591	(58,922)	1,784,593	(228,780)	17	0
7	445 Other Sales to Public Authorities	40,553	(1,344)	450,379	(16,682)	59	2
8	446 Sales to Railroads and Railways	0	0	0	0	0	0
9	448 Interdepartmental Sales	0	0	0	0	0	0
10	449 Miscellaneous Sales	0	0	0	0	0	0
11	<b>Total Sales to Ultimate Consumers</b>	13,591,882	(105,026)	96,145,344	(1,649,264)	3,760	54
12	447 Sales for Resale	14,808	(3,453)	129,057	(5,518)	0	0
13	<b>Total Sales of Electricity*</b>	13,606,690	(108,479)	96,274,401	(1,654,782)	3,760	54
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	0	0				
16	451 Miscellaneous Service Revenues	0	0				
17	453 Sales of Water and Water Power	0	0				
18	454 Rent from Electric Property	7,020	0				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	4,250	200				
21							
22							
23							
24							
25	Total Other Operating Revenues	11,270	200				
26	Total Electric Operating Revenue	13,617,960	(108,279)				

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

Total KWH to which applied 95,399,810

**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	38,114,933	5,207,825	0.1366	3,137	3,171
2	442.100	Rate - B	19,847,059	3,225,465	0.1625	522	502
3	442.200	Rate - E1 & E2 & E3	35,948,380	4,915,448	0.1367	18	17
4	444.200	Municipal	1,360,381	150,134	0.1104	17	16
5	444.100	St. Lights Municipal	424,212	52,457	0.1237	0	1
6	445.000	Private Area Lights	450,379	40,553	0.0900	53	65
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			96,145,344	13,591,882	0.1414	3,747	3,772

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year

2. If the increases and decreases are not derived from previously reported figures, explain in footnote

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	0	0
5	501 Fuel	0	0
6	502 Steam Expenses	0	0
7	503 Steam from other sources	0	0
8	504 Steam transferred -- Cr.	0	0
9	505 Electric expenses	0	0
10	506 Miscellaneous steam power expenses	0	0
11	507 Rents	0	0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	0	0
16	512 Maintenance of boiler plant	0	0
17	513 Maintenance of electric plant	0	0
18	514 Maintenance of miscellaneous steam plant	0	0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0



<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>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance or reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	0	0
14	548 Generation Expenses	0	0
15	549 Miscellaneous other power generation expense	0	0
16	550 Rents	0	0
17	Total Operation	0	0
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	0	0
21	553 Maintenance of generating and electric plant	0	0
22	554 Maintenance of miscellaneous other power generation plant	0	0
23	Total Maintenance	0	0
24	Total power production expenses - other power	0	0
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	9,560,237	(142,163)
27	556 System control and load dispatching	0	0
28	557 Other expenses	171,842	2,065
29	Total other power supply expenses	9,732,079	(140,098)
30	Total power production expenses	9,732,079	(140,098)
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	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	0	0
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	0	0
48	573 Maintenance of miscellaneous transmission plant	0	0
49	Total maintenance	0	0
50	Total transmission expenses	0	0

<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	126,499	8,266
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	10,724	9,960
6	583 Overhead line expenses	117,485	38,996
7	584 Underground line expenses	6,530	(6,769)
8	585 Street lighting and signal system expenses	1,806	(20,621)
9	586 Meter expenses	57,958	(4,094)
10	587 Customer installations expenses	200,978	(16,408)
11	588 Miscellaneous distribution expenses	71,068	7,421
12	589 Rents	0	0
13	Total operation	593,048	16,751
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	0	(1,549)
17	592 Maintenance of station equipment	16,536	12,496
18	593 Maintenance of overhead lines	417,374	140,940
19	594 Maintenance of underground lines	3,139	3,139
20	595 Maintenance of line transformers	1,818	1,818
21	596 Maintenance of street lighting and signal systems	28,194	(32,493)
22	597 Maintenance of meters	163	(237)
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	467,224	124,114
25	Total distribution expenses	1,060,272	140,865
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	30,615	2,841
30	903 Customer records and collection expenses	43,229	(7,384)
31	904 Uncollectible accounts	10,000	0
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	83,844	(4,543)
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	200	(798)
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	200	(798)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	294,266	14,505
44	921 Office supplies and expenses	29,138	8,248
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	111,205	(19,946)
47	924 Property insurance	12,158	(5,571)
48	925 Injuries and damages	5,250	(245)
49	926 Employee pensions and benefits	523,261	45,136
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	32,329	3,119
53	931 Rents	0	0
54	Total operation	1,007,607	45,246

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continuer</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	280,192		(7,740)
	933 Transportation	41,512		(23,644)
4	Total administrative and general expenses	1,329,311		13,862
5	Total Electric Operation and Maintenance Expenses	12,205,706		9,288
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
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	9,732,079	0	9,732,079
13	Total power production expenses	9,732,079		9,732,079
14	Transmission Expenses	0		0
15	Distribution Expenses	593,048	467,224	1,060,272
16	Customer Accounts Expenses	83,844		83,844
17	Sales Expenses	200		200
18	Administrative and General Expenses	1,007,607	321,704	1,329,311
19	Total Electric Operation and			
20	Maintenance Expenses	11,416,778	788,928	12,205,706
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)			0.941
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			1,602,875
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			14



OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

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

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work	26,743			26,743
5	Commissions				
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	26,743	0	0	26,743
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
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)	26,743	0	0	26,743

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

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

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

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
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29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								

\* Winter period contract demand.

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
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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)

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.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) **	Total (o)		
60 MINUTES	240 kv	3,738,331	86,459			86,459	\$0.0231	1
60 MINUTES	240 kv	56,589	49,365	12,707	13,739	75,811	\$1.3397	2
60 MINUTES	240 kv	934,730	221,417	47,997	1,728	271,142	\$0.2901	3
60 MINUTES	240 kv	289,610	8,466	1,833	18	10,317	\$0.0356	4
60 MINUTES	240 kv	2,417,089	83,185	16,235	2,059	101,479	\$0.0420	5
60 MINUTES	240 kv	1,593,934	113,382	10,716	1,358	125,456	\$0.0787	6
60 MINUTES	240 kv	7,674,407	407,613	48,631	483	456,727	\$0.0595	7
60 MINUTES	240 kv	752,461	43,747	4,762	47	48,556	\$0.0645	8
60 MINUTES	240 kv	86,883	18,027	7,802	668	26,497	\$0.3050	9
60 MINUTES	240 kv	26,595,375	2,116,947	168,754	1,673	2,287,374	\$0.0860	10
					(77,742)	(77,742)	N/A	11
60 MINUTES	240 kv				25,862	25,447	N/A	12
60 MINUTES	240 kv				2,247	2,247	N/A	13
60 MINUTES	240 kv	1,426,556			87,020	87,020	\$0.0610	14
		9,486	1,368			1,368	\$0.1442	15
		431,921	30,234			30,234	\$0.0700	16
					1,785	1,785	N/A	17
					91,505	91,505	N/A	18
					(238,867)	(238,867)	N/A	19
		23,375,200		1,160,579		1,160,579	\$0.0497	20
		5,856,000			325,305	325,305	\$0.0556	21
			725,500			725,500	N/A	22
		2,378,994	120,858			120,858	\$0.0508	23
		3,355,279	220,611			220,611	\$0.0658	24
		2,718,178	178,756			178,756	\$0.0658	25
								26
	TOTALS:	83,691,023	4,425,935	1,480,016	238,888	6,144,424		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.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
3. Particulars of settlements for interchange power

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

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

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX						17,087,603	3,587,655
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	TOTALS				0	0	17,087,603	3,587,655

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
16			
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	<b>SOURCES OF ENERGY</b>	
2	Generation	
3	Steam	
4	Nuclear	
5	Hydro	
6	Other	
7	<b>Total Generation</b>	0
8	Purchases	83,691,023
9	(In gross)	0
10	Interchanges < Out (gross)	0
11	(Net (Kwh))	17,087,603
12	(Received	
13	Transmission for/by others (wheeling) < Delivered	
14	(Net (Kwh))	0
15	<b>TOTAL</b>	<b>100,778,626</b>
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales)	96,145,344
18	Sales for resale	129,057
19	Sales adjustment for change in timing of billing cycle	
20	Energy used by the company (excluding station use):	
21	Electric department only	75,600
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses	4,428,625
25	Unaccounted for losses	
26	<b>Total energy losses</b>	<b>4,428,625</b>
27	Energy losses as percent of total on lir	4.39%
28	<b>TOTAL</b>	<b>100,778,626</b>

**MONTHLY PEAKS AND OUTPUT**

- 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.
- 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
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- 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.
- 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	15,155	Tuesday	01/19/2016	6:00 PM	60 min	8,396,689
30	February	14,861	Monday	02/15/2016	6:00 PM	60 min	7,812,985
31	March	13,893	Thursday	03/31/2016	7:00 PM	60 min	7,791,181
32	April	13,288	Monday	04/04/2016	12:00 PM	60 min	7,209,406
33	May	17,798	Tuesday	05/31/2016	6:00 PM	60 min	7,683,566
34	June	19,596	Monday	06/20/2016	6:00 PM	60 min	8,669,799
35	July	23,259	Friday	07/22/2016	3:00 PM	60 min	10,701,553
36	August	25,194	Friday	08/12/2016	3:00 PM	60 min	10,752,935
37	September	21,142	Friday	09/09/2016	4:00 PM	60 min	8,300,163
38	October	12,943	Wednesday	10/19/2016	3:00 PM	60 min	7,490,919
39	November	14,049	Tuesday	11/29/2016	6:00 PM	60 min	7,533,436
40	December	16,053	Friday	12/16/2016	6:00 PM	60 min	8,435,994
41						<b>TOTAL</b>	<b>100,778,626</b>

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

**TRANSMISSION LINE STATISTICS**

Report information concerning transmission line as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	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								
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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	69.80		69.80
2	Added During Year	0.10		0.10
3	Retired During Year	0.00		0.00
4	Miles -- End of Year	69.90	0.00	69.90
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:	2,722	4,022	1,232	62,210.5
17	Additions during year				
18	Purchased	75	396	28	3,385.0
19	Installed				
20	Associated with utility plant acquirec				
21	Total Additions	75	396	28	3,385.0
22	Reductions during year:				
23	Retirements	21	166	106	2,955.0
24	Associated with utility plant solc				
25	Total Reductions	21	166	106	2,955.0
26	Number at end of year	2,776	4,252	1,154	62,640.5
27	In stock		241	153	5,092.5
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		4,010	996	57,340.5
31	In company's use		1	5	207.5
32	Number at end of year		4,252	1,154	62,640.5

\*



CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)							
Report below the information called for concerning conduit, underground cable, and submarine cable at end of ye							
Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)		Underground Cable (c)		Submarine Cable (e)	
				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**


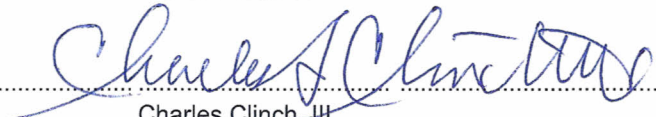
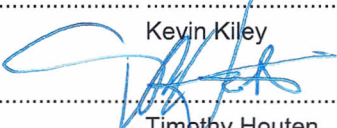
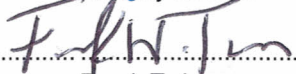
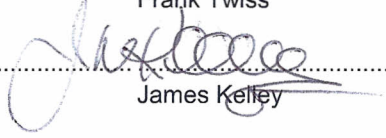
Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		Mercury Vapor		LED		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Middleton	1,043	0	0	0	0	609	0	434	0
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51										
52	TOTALS	1043	0	0	0	0	609	0	434	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
	
.....	Manager of Electric Light
Michael Cloutier	
	)
.....	)
Charles Clinch, III	)
.....	)
Kevin Kiley	Selectmen
	or
.....	Members
Timothy Houten	of the
	Municipal
.....	Light
Frank Twiss	Board
	)
.....	)
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

	Page
Appropriations of Surplus	21
Appropriations Since Beginning of Year	5
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