

The Commonwealth of Massachusetts

Return

of the

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Rates and Revenue Division

AUG 22 2015

Commonwealth of Massachusetts
Department of Public Utilities

Municipal Light Department of

the Town of Middleton

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2015

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

Official title: Manager

Mark T. Kelly

Office address: 197 North Main Street

Middleton, MA 01949

GOULET, SALVIDIO & ASSOCIATES, P.C.

CERTIFIED PUBLIC ACCOUNTANTS

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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, 2015, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form. 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 these financial statements.

Other Matter

The financial statements included in the accompanying prescribed form are intended to comply 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
June 30, 2016

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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) | \$ 1,779,572,637.00 |
| 9. Tax rate for all purposes during the year: | \$13.89 |
| 10. Amount of manager's salary: | \$179,826 |
| 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
INCOME FROM PRIVATE CONSUMERS:		
1	From sales of gas	0
2	From sales of electricity	14,500,000
3	From Rate Stabilization Fund	350,000
4	TOTAL	14,850,000
5 EXPENSES		
6	For operation, maintenance and repairs	13,000,000
7	For interest on bonds, notes or scrip	
8	For depreciation fund (3 % 20,313,343 as per page 9)	609,400
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13	TOTAL	13,609,400
14		
15 COST:		
16	Of gas to be used for municipal buildings	0
17	Of gas to be used for street lights	0
18	Of electricity to be used for municipal buildings	200,000
19	Of electricity to be used for street lights	60,000
20	Total of above items to be included in the tax levy	260,000
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	260,000

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
TOTAL	0	TOTAL	3,705

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> 0</u>

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

1.	Street lights	60,000
2.	Municipal buildings	200,000
3.		
		TOTAL <u> 260,000</u>

* Date of meeting and whether regular or special

** Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

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

In electric property: 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		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	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		Rate	Interest When Payable	Amount Outstanding at End of Year	
			Amounts	When Payable				
05-08-84	03-26-86	350,000					0	
TOTAL							350,000	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

TOTAL COST OF PLANT - ELECTRIC							
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					
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines and Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant						
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

1. Report below the cost of utility plant in service according to prescribed accounts

2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.

3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.

4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

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	3,295					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	9,859	2,857				12,716
4	362 Station Equipment	3,357,850	55,551	2,000			3,411,401
5	363 Storage Battery Equipment	5,741	2,590				8,331
6	364 Poles Towers and Fixtures	1,478,083	83,317	12,000			1,549,400
7	365 Overhead Conductors and Devices	3,345,584	144,148	5,000			3,484,732
8	366 Underground Conduit	181,372	6,063				187,435
9	367 Underground Conductors and Devices	3,505,392	112,257	5,000			3,612,649
10	368 Line Transformers	2,161,760	85,804	25,000			2,222,564
11	369 Services	502,245	50	1,000			501,295
12	370 Meters	805,270	29,205	25,000			809,475
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	639,133	6,584				645,717
16	Total Distribution Plant	16,237,753	528,426	75,000	0	0	16,691,179
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800					179,800
19	390 Structures and Improvements	1,240,059	12,100				1,252,159
20	391 Office Furniture and Equipment	415,237	2,076				417,313
21	392 Transportation Equipment	1,431,627	82,830				1,514,457
22	393 Stores Equipment	33,322					33,322
23	394 Tools, Shop and Garage Equipment	338,237	4,943	2,000			341,180
24	395 Laboratory Equipment	17,171					17,171
25	396 Power Operated Equipment	6,742					6,742
26	397 Communication Equipment	75,781					75,781
27	398 Miscellaneous Equipment	28,123					28,123
28	399 Other Tangible Property	0					0
29	Total General Plant	3,766,099	101,949	2,000	0	0	3,866,048
30	Total Electric Plant in Service	20,087,292	630,375	77,000	0	0	20,640,667
31							Total Cost of Electric Plant.....
33							Less Cost of Land, Land Rights, Rights of Way.....
34							Total Cost upon which Depreciation is based

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		UTILITY PLANT			
2	101	Utility Plant - Electric (P. 17)	8,988,078	9,023,154	35,076
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	8,988,078	9,023,154	35,076
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	2,544,965	2,636,490	91,525
14	128	Other Special Funds	7,114,606	7,678,728	564,122
15		Total Funds	9,659,571	10,315,218	655,647
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	1,360,437	2,085,376	724,939
18	132	Special Deposits	173,939	180,210	6,271
19	135	Working Funds	2,958	2,978	20
20	141	Notes Receivable			0
21	142	Customer Accounts Receivable	1,415,532	1,412,625	(2,907)
22	143	Other Accounts Receivable	135,820	24,713	(111,107)
23	146	Receivables from Municipality			0
24	151	Materials and Supplies (P. 14)	537,309	526,424	(10,885)
25					
26	165	Prepayments	551,154	792,309	241,155
27	174	Miscellaneous Current Assets	274,286	274,286	0
28		Total Current and Accrued Assets	4,451,435	5,298,921	847,486
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,881	1,881	0
33		Total Deferred Debits	1,881	1,881	0
34					
35		Total Assets and Other Debits	23,100,965	24,639,174	1,538,209

COMPARATIVE BALANCE SHEET Liabilities and Other Credits					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction	0		0
3		SURPLUS			
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)	9,767,319	10,863,426	1,096,107
8		Total Surplus	12,286,819	13,382,926	1,096,107
9		LONG TERM DEBT			
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		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,029,162	1,320,808	291,646
15	234	Payables to Municipality			0
16	235	Customers' Deposits	162,710	169,431	6,721
17	236	Taxes Accrued			0
18	237	Interest Accrued	11,601	11,235	(366)
19	242	Miscellaneous Current and Accrued Liabilities	145,648	154,180	8,532
20		Total Current and Accrued Liabilities	1,349,121	1,655,654	306,533
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt			0
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	0	14,257	14,257
25		Total Deferred Credits	0	14,257	14,257
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	23,827	25,711	1,884
28	261	Property Insurance Reserve			0
29	262	Injuries and Damages Reserves			0
30	263	Pensions and Benefits Reserves	4,002,435	4,001,955	(480)
31	265	Miscellaneous Operating Reserves	202,071	202,071	0
32		Total Reserves	4,228,333	4,229,737	1,404
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction	5,236,692	5,356,600	119,908
35		Total Liabilities and Other Credits	23,100,965	24,639,174	1,538,209

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.

STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)	13,726,239	213,859
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	11,500,220	21,868
5	402 Maintenance Expense	696,198	177,688
6	403 Depreciation Expense	592,799	21,035
7	407 Amortization of Property Losses		0
8			
9	408 Taxes (P. 49)		0
10	Total Operating Expenses	12,789,217	220,591
11	Operating Income	937,022	(6,732)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	937,022	(6,732)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	713	(7,751)
17	419 Interest Income	398,372	(332,567)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	399,085	(340,318)
20	Total Income	1,336,107	(347,050)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	1,336,107	(347,050)
26	INTEREST CHARGES		
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	NET INCOME	1,336,107	(347,050)

EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		9,767,319
35			
36			
37	433 Balance Transferred from Income		1,336,107
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)	240,000	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	10,863,426	
43			
44	TOTALS	11,103,426	11,103,426

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operation Fund	2,085,376	
2	Interest Fund	0	
3	Bond Fund	0	
4	Construction Fund	0	
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	2,085,376	
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))	526,424	
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	526,424	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year		2,544,965
26	Income during year from balance on deposit (interest)		91,525
27	Amount transferred from income (depreciation)		0
28			
29	TOTAL		2,636,490
30	CREDITS		
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		2,636,490
40	TOTAL		2,636,490

UTILITY PLANT - ELECTRIC

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

1. Report below the cost of utility plant in service preceding year. Such items should be included in effect of such amounts.

2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c). 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)	
		0						
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	0	2,857	296	0	0	2,561
4	362 Station Equipment	730,999	55,551	100,736	0	0	685,814
5	363 Storage Battery Equipment	7,886	90	172	0	0	7,804
6	364 Poles Towers and Fixtures	639,985	83,317	44,818	0	0	678,484
7	365 Overhead Conductors and Devices	1,535,593	144,148	102,296	0	0	1,577,445
8	366 Underground Conduit	79,750	6,063	5,441	0	0	80,372
9	367 Underground Conductors and Devices	1,802,847	112,257	105,162	0	0	1,809,942
10	368 Line Transformers	1,207,255	85,804	64,853	0	0	1,228,206
11	369 Services	115,476	50	15,067	0	0	100,459
12	370 Meters	541,082	29,205	24,158	0	0	546,129
13	371 Installations on Customer's Premises	2,494	0	224	0	0	2,270
14	372 Leased Prop on Customer's Premises	229	0	228	0	0	1
15	373 Streetlight and Signal Systems	205,782	6,584	21,759	0	0	190,607
16	Total Distribution Plant	7,013,607	525,926	485,210	0	0	7,054,323
17	5. GENERAL PLANT						
18	389 Land and Land Rights	179,800	0	0	0	0	179,800
19	390 Structures and Improvements	339,857	12,100	37,202	0	0	314,755
20	391 Office Furniture and Equipment	268,599	2,076	12,457	0	0	258,218
21	392 Transportation Equipment	970,798	82,830	42,949	0	0	1,010,679
22	393 Stores Equipment	5,116	0	1,000	0	0	4,116
23	394 Tools, Shop and Garage Equipment	185,286	4,943	10,441	0	0	179,788
24	395 Laboratory Equipment	2,567	0	515	0	0	2,052
25	396 Power Operated Equipment	0	0	0	0	0	0
26	397 Communication Equipment	18,401	0	2,273	0	0	16,128
27	398 Miscellaneous Equipment	753	0	752	0	0	1
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	1,971,177	101,949	107,589	0	0	1,965,537
30	Total Electric Plant in Service	8,988,078	627,875	592,799	0	0	9,023,154
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	8,988,078	627,875	592,799	0	0	9,023,154

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)
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					
Line No.	Item (g)	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.

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	TOTAL	0
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	0
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payment	240,000
34		
35		
36		
37		
38		
39		
40	TOTAL	240,000

MUNICIPAL REVENUES (Account 482,444) (K.W.H. Sold under the provision of Chapter 269, Acts of 1927)						
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)	
1						
2						
3						
4		TOTALS				
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			TOTALS	0	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	134,575	18,261	0.1357
31						
32						
33						
34						
35						
36						
37						
38						
39			TOTALS	134,575	18,261	

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

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

Line No.	Account (a)	Operating Revenues			Kilowatt-hours Sold			Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)		
1	SALES OF ELECTRICITY								
2	440 Residential Sales	5,313,061	200,429	39,474,242	1,486,264	3,112	12		
3	442 Commercial and Industrial Sales	2,989,155	58,567	19,773,236	591,418	504	0		
4	Small Commercial B Sales	5,091,282	(37,012)	36,066,696	(274,468)	16	25		
5	Large Commercial C Sales	261,513	(6,759)	2,013,373	(42,896)	17	0		
6	444 Municipal Sales	41,897	(331)	467,061	(5,287)	57	8		
7	445 Other Sales to Public Authorities		0		0		5		
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	Total Sales to Ultimate Consumers	13,696,908	214,894	97,794,608	1,755,031	3,706	50		
12	447 Sales for Resale	18,261	755	134,575	4,337		0		
13	Total Sales of Electricity*	13,715,169	215,649	97,929,183	1,759,368	3,706	50		
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts		0		0				
16	451 Miscellaneous Service Revenues		0		0				
17	453 Sales of Water and Water Power		0		0				
18	454 Rent from Electric Property	7,020	0		0			0	
19	455 Interdepartmental Rents		0		0				
20	456 Other Electric Revenues	4,050	(1,790)					96,860,879	
21									
22									
23									
24									
25	Total Other Operating Revenues	11,070	(1,790)						
26	Total Electric Operating Revenue	13,726,239	213,859						

* Includes revenues from application of fuel clauses \$

Total KWH to which applied

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	39,474,242	5,313,061	0.1346	3,115	3,109
2	442.100	Rate - B	19,773,236	2,989,155	0.1512	497	511
3	442.200	Rate - E1 & E2 & E3	36,066,696	5,091,282	0.1412	16	16
4	444.200	Municipal	1,412,130	186,075	0.1318	16	16
5	444.100	St. Lights Municipal	601,243	75,438	0.1255	0	1
6	445.000	Private Area Lights	467,061	41,897	0.0897	57	57
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			97,794,608	13,696,908	0.1401	3,701	3,710

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space provided the operation and maintenance expenses for the year
 2. If the increases and decreases are not derived from previously reported figures, explain in footnote

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering		0
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	NUCLEAR POWER GENERATION		
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	HYDRAULIC POWER GENERATION		
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	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering		0
4	542 Maintenance of structures		0
5	543 Maintenance of 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	OTHER POWER GENERATION		0
11	Operation:		0
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	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	9,702,400	234,681
27	556 System control and load dispatching		0
28	557 Other expenses	169,777	(268,040)
29	Total other power supply expenses	9,872,177	(33,359)
30	Total power production expenses	9,872,177	(33,359)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	0	0
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	0	0
42	Maintenance:		
43	568 Maintenance supervision and engineering		
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

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	118,233	14,979
4	581 Load dispatching (Operation Labor)		0
5	582 Station expenses	764	(6,132)
6	583 Overhead line expenses	78,489	8,646
7	584 Underground line expenses	13,299	8,039
8	585 Street lighting and signal system expenses	22,427	22,427
9	586 Meter expenses	62,052	1,638
10	587 Customer installations expenses	217,386	(6,153)
11	588 Miscellaneous distribution expenses	63,647	2,368
12	589 Rents	0	0
13	Total operation	576,297	45,812
14	Maintenance:		
15	590 Maintenance supervision and engineering	0	0
16	591 Maintenance of structures	1,549	1,549
17	592 Maintenance of station equipment	4,040	(10,107)
18	593 Maintenance of overhead lines	276,434	68,957
19	594 Maintenance of underground lines	0	0
20	595 Maintenance of line transformers	0	(2,171)
21	596 Maintenance of street lighting and signal systems	60,687	20,326
22	597 Maintenance of meters	400	290
23	598 Maintenance of miscellaneous distribution plant	0	0
24	Total maintenance	343,110	78,844
25	Total distribution expenses	919,407	124,656
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	27,774	(1,824)
30	903 Customer records and collection expenses	50,613	728
31	904 Uncollectible accounts	10,000	0
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	88,387	(1,096)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	998	379
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	998	379
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	279,761	11,914
44	921 Office supplies and expenses	20,890	(4,020)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	131,151	2,464
47	924 Property insurance	17,729	1,147
48	925 Injuries and damages	5,495	420
49	926 Employee pensions and benefits	478,125	(3,127)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	29,210	1,334
53	931 Rents	0	0
54	Total operation	962,361	10,132

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.			
2	Maintenance:			
3	932 Maintenance of general plant	287,932	79,409	
	933 Transportation	65,156	19,435	
4	Total administrative and general expenses	1,315,449	108,976	
5	Total Electric Operation and Maintenance Expenses	12,196,418	199,556	
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power			
12	Other Power Supply Expenses	9,872,177	0	9,872,177
13	Total power production expenses	9,872,177		9,872,177
14	Transmission Expenses	0		0
15	Distribution Expenses	576,297	343,110	919,407
16	Customer Accounts Expenses	88,387		88,387
17	Sales Expenses	998		998
18	Administrative and General Expenses	962,361	353,088	1,315,449
19	Total Electric Operation and			
20	Maintenance Expenses	11,500,220	696,198	12,196,418
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)			0.932
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			1,458,401
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			13

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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					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS				

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

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work	713			713
5	Commissions				
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues	713	0	0	713
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)	713	0	0	713

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								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
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
								13
								14
								15
								16
								17
								18
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								34
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								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

Annual Report of:

MIDDLETON MUNICIPAL LIGHT DEPT.

Year Ended December 31, 2015

**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	3,655,944	116,355			116,355	\$0.0318	1
60 MINUTES	240 kv	43,908	58,878	8,590	3,091	70,559	\$1.6070	2
60 MINUTES	240 kv	1,878,607	242,549	142,949	2,102	387,600	\$0.2063	3
60 MINUTES	240 kv	255,245	8,150	1,704	20	9,874	\$0.0387	4
60 MINUTES	240 kv	2,848,589	84,012	18,927	2,033	104,972	\$0.0369	5
60 MINUTES	240 kv	1,862,031	135,605	12,515	1,341	149,461	\$0.0803	6
60 MINUTES	240 kv	6,763,719	416,643	45,106	540	462,289	\$0.0683	7
60 MINUTES	240 kv	663,172	43,519	4,440	53	48,012	\$0.0724	8
60 MINUTES	240 kv	387,479	18,702	52,137	600	71,439	\$0.1844	9
60 MINUTES	240 kv	23,439,415	2,015,153	156,472	1,871	2,173,496	\$0.0927	10
					(16,129)	(16,129)		11
60 MINUTES	240 kv				25,447	25,447	N/A	12
60 MINUTES	240 kv	5,296,000			934,179	934,179	N/A	13
60 MINUTES	240 kv				0	0		14
		9,048	1,203			1,203	\$0.1330	15
		523,260	36,628			36,628	\$0.0700	16
					1,717	1,717		17
					87,734	87,734		18
					(307,699)	(307,699)		19
		46,528,500			2,731,483	2,731,483	\$0.0587	20
								21
								22
		2,706,182	141,852			141,852	\$0.0524	23
		3,289,681	144,017			144,017	\$0.0438	24
		1,314,919	100,944			100,944	\$0.0768	25
								26
	TOTALS:	101,465,699	3,564,210	442,840	3,468,383	7,475,433		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)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX						96,801	2,396,744
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15	TOTALS				0	0	96,801	2,396,744

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	SOURCES OF ENERGY	
2	Generation	
3	Steam	
4	Nuclear	
5	Hydro	
6	Other	
7	Total Generation	0
8	Purchases	101,465,699
9	(In (gross))	0
10	Interchanges	
11	< Out (gross)	0
12	(Net (Kwh))	96,801
13	Transmission for/by others (wheeling)	
14	(Received < Delivered)	
15	(Net (Kwh))	0
15	TOTAL	101,562,500
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	97,794,608
18	Sales for resale	134,575
19	Sales adjustment for change in timing of billing cycle	
20	Energy used by the company (excluding station use):	
21	Electric department only	77,520
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses	3,555,797
25	Unaccounted for losses	
26	Total energy losses	3,555,797
27	Energy losses as percent of total on line	3.50%
28	TOTAL	101,562,500

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	15,777	Tuesday	6-Jan	6:00 PM	60 min	8,884,425
30	February	15,638	Monday	2-Feb	6:00 PM	60 min	8,318,741
31	March	14,602	Thursday	5-Mar	7:00 PM	60 min	8,398,731
32	April	13,323	Wednesday	8-Apr	8:00 PM	60 min	7,341,763
33	May	20,356	Thursday	28-May	5:00 PM	60 min	8,111,253
34	June	19,768	Thursday	11-Jun	5:00 PM	60 min	8,449,902
35	July	23,224	Monday	20-Jul	3:00 PM	60 min	10,186,158
36	August	22,896	Tuesday	18-Aug	3:00 PM	60 min	10,195,770
37	September	22,550	Tuesday	8-Sep	3:00PM	60 min	8,638,056
38	October	12,943	Wednesday	28-Oct	7:00 PM	60 min	7,421,726
39	November	14,515	Monday	30-Nov	6:00 PM	60 min	7,378,120
40	December	14,342	Wednesday	9-Dec	6:00 PM	60 min	8,237,855
41						TOTAL	101,562,500

GENERATING STATIONS						Pages 58 through 66
GENERATING STATION STATISTICS (Large Stations)						Pages 58-59
(Except Nuclear)						
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1	NONE					
2						
3						
4						
5						
6						
STEAM GENERATING STATIONS						Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1	NONE					
2						
3						
4						
5						
6						
HYDROELECTRIC GENERATING STATIONS						Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1	NONE					
2						
3						
4						
5						
6						
COMBUSTION ENGINE AND OTHER GENERATING STATIONS						Pages 64-65
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1	NONE					
2						
3						
4						
5						
6						
GENERATING STATION STATISTICS (Small Stations)						Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1	NONE					
2						
3						
4						
5						
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								
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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.											
13						98,000	8	1				
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	69.70		69.70
2	Added During Year	0.10		0.10
3	Retired During Year			0.00
4	Miles -- End of Year	69.80	0.00	69.80
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:	2,695	4,069	1,182	58,835.5
17	Additions during year				
18	Purchased	31	68	50	3,375.0
19	Installed				
20	Associated with utility plant acquired				
21	Total Additions	31	68	50	3,375.0
22	Reductions during year:				
23	Retirements	4	115	0	0.0
24	Associated with utility plant sold				
25	Total Reductions	4	115	0	0.0
26	Number at end of year	2,722	4,022	1,232	62,210.5
27	In stock		373	125	8,830.0
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		3,648	1,102	53,173.0
31	In company's use		1	5	207.5
32	Number at end of year		4,022	1,232	62,210.5

*

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 Miles* (c)	Cable Operating Voltage (d)	Submarine Feet* (e)	Cable Operating Voltage (f)
1	South Main Street	2-6"	.12-3	23.00 kv		
2	Femcroft Road F1	2-5"	.49-3	23.00 kv		
3	Femcroft Road F2	2-5"	.49-3	23.00 kv		
4	Fuller Pond Condominiums	2-4"	1.60-3	23.00 kv		
5	M.I.T.	2-6"	.11-3	23.00 kv		
6	Circuit 203	2-6"	.12-3	4.16 kv		
7	Circuit 302	2-6"	.15-3	4.16 kv		
8	Averill Road	2-4"	.17-1	2.40 kv		
9	Bouchard Drive	2-4"	.07-1	2.40 kv		
10	Briarwood Lane	2-4"	.11-1	2.40 kv		
11	Brookside Drive	2-4"	.10-1	2.40 kv		
12	Deacon Drive	2-4"	.22-1	2.40 kv		
13	Devonshire Drive	2-4"	.28-1	2.40 kv		
14	Dixey Drive (1)	2-4"	.45-1	2.40 kv		
15	Donovan Way	2-4"	.45-1	2.40 kv		
16	Evon Drive	2-4"	.09-1	2.40 kv		
17	Francis Drive	2-4"	.10-1	2.40 kv		
18	Kimberly Lane	2-4"	.11-1	2.40 kv		
19	Linda Ann Way	2-4"	.11-1	2.40 kv		
20	Maplewood Drive	2-4"	.80-1	2.40 kv		
21	Northwood Drive	2-4"	.51-1	2.40 kv		
22	Ryder Lane	2-4"	.10-1	2.40 kv		
23	Upton Hills Lane	2-4"	.42-1	2.40 kv		
24	Wildwood Drive	2-2"	.22-1	2.40 kv		
25	Sugar Hills	2-4"	.76-1	13.20 kv		
26	Liberty Hills II	2-4"	.15-1	2.40 kv		
27	Middleton Square	2-6"	.12-3	23.00 kv		
28	Middleton Square	2-6"	.23-3	4.16 kv		
29	Middleton Square	2-6"	.19-3	2.40 kv		
30	Jersey Lane	2-4"	.10-1	2.40 kv		
31	Hillcrest Acres	2-4"	.29-1	2.40 kv		
32	Liberty Hills I	2-4"	.69-1	2.40 kv		
33	Liberty Hills I	2-4"	.23-3	4.16 kv		
34	Bayberry Place	2-4"	.77-1	13.20 kv		
35	Femcroft Place	2-4"	1.25-1	13.20 kv		
36	Femcroft Heights	2-4"	.41-1	13.20 kv		
37	Bayberry Woods	2-4"	.35-1	13.20 kv		
38	Currier Road	2-4"	.29-1	2.40 kv		
39	Flint Farm Road	2-4"	.47-1	2.40 kv		
40	Middleton Heights	2-4"	1.04-1	13.20 kv		
41	Middleton Danvers Tie	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	12	0	0	0	38	0	993	0
2										
3										
4										
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50										
51										
52	TOTALS	1043	12	0	0	0	38	0	993	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
Mark T. Kelly

Manager of Electric Light

Charles Clinch, III
Charles Clinch, III

Kevin Kiley
Kevin Kiley

Selectmen
or
Members
of the
Municipal
Light
Board

Timothy Houten
Timothy Houten

Frank Twiss
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

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