



# The Commonwealth of Massachusetts

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Return

of the

Electric Department of

The Town of North Attleborough, Massachusetts

to

The Commonwealth of Massachusetts

Department of Telecommunications & Energy

For the Year Ended December 31,

**2016**

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

Paula J. Tattrie

Official title: Business Division Manager

Office address: 275 Landry Avenue

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**FOR GAS PLANTS ONLY:**

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**Annual Report of: The North Attleborough Electric Department Year Ended December 31, 2016**

**GENERAL INFORMATION**

1. Name of town (or city) making report:  
**North Attleborough, Massachusetts**
  
2. If the tw (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.  
**February 22, 1897**
  
3. Name and address of manager of municipal lighting:  
**James C. Moynihan  
275 Landry Avenue  
North Attleboro, MA 02760**
  
4. Name and address of mayor or selectmen:  
**John Rhyno, 627R Mt. Hope Street, North Attleboro, MA 02760  
Michael Lennox, 55 Hoyle Drive North Attleboro, MA 02760  
Patrick Reynolds, 14 Stonehill Road, North Attleboro, MA 02760  
Keith LaPointe, 28 John J Grimaldi North Attleboro, MA 02760  
Paul Belham Sr. 126 Metters Street, North Attleboro, MA 0276**
  
5. Name and address of town (or city) treasurer:  
**Christopher Sweet  
145 Blackberry Road  
North Attleboro, MA 02760**
  
6. Name and address of town (or city) clerk:  
**Kevin Poirier  
53 Ledgebrook Drive  
North Attleboro, MA 02760**
  
7. Names and addresses of members of municipal light board:  
**Dale Langille, 610 Hickory Road, North Attleboro, MA 02760  
Brett Langille, 21 Edmund Corrigan Road, North Attleboro, MA 02760  
Steven Cabral, 44 Wagon Wheel Road, North Attleboro, MA 02760**
  
8. Total valuation of estates in town (or city) according to last State Valuation: \$3,694,828,800.00
  
9. Tax rate for all purposes during the year:

	Residential	\$13.22
	Commercial:	\$13.23
  
10. Amount of manager's salary: \$174,329.58
  
11. Amount of manager's bond: \$300,000.00
  
12. Amount of salary paid to members of municipal light board (each):

Chairman:	
Member:	
Member:	

**Annual Report of: The North Attleborough Electric Department Year Ended December 31, 2016**

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>			
	From sales of gas		
	From sales of electricity		\$33,583,073.50
	From rate stabilization fund		
	<b>TOTAL</b>		<u>\$33,583,073.50</u>
<b>EXPENSES:</b>			
	For Operation, maintenance and repairs		\$30,672,835.36
	For interest on bonds, notes or scrip		\$29,305.20
	For depreciation fund		\$2,214,099.96
	For depreciation fund		
	For sinking fund requirements		
	For note payments		
	For bond payments		\$270,000.00
	For loss in preceding year		
	<b>TOTAL</b>		<u>\$33,186,240.52</u>
<b>COST:</b>			
	Of gas to be used for municipal buildings		
	Of gas to be used for street lights		
	Of electricity to be used for municipal buildings		\$1,896,874.95
	Of electricity to be used for street lights		<u>\$162,490.00</u>
	Total of above items to be included in the tax levy		<u>\$2,059,364.95</u>
	 New construction to be included in the tax levy		
	Total amount to be included in the tax levy:		<u>\$2,059,364.95</u>
<b>CUSTOMERS</b>			
Names of cities or town in which the plant supplies GAS, with the number of customers' meters in each.		Names of cities and towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.	
City or Town	Number of Customers' Meters, Dec 31st.	City or Town	Number of Customers' Meters, Dec 31st.
		North Attleborough	13,376.00
<b>Total</b>			

**Annual Report of: The North Attleborough Electric Department Year Ended December 31, 2016**

APPRPRIATIONS SINCE BEGINNING OF YEAR		Amount
(Include also all items charge direct to tax levey, even where no appropriation is made or required)		
<b>FOR CONSTRUCTION OR PURCHASE OF PLANT:</b>		
*At	meeting , to be paid from	
*At	meeting , to be paid from	
Total		
<b>FOR THE ESTIMATED COST OF GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:</b>		
1.	Street Lights	\$162,490.00
2.	Municipal Buildings	\$1,896,874.95
3.		
Total		\$2,059,364.95
<b>*Date of meeting and whether regular or special. Here insert bonds, notes or tax levy.</b>		
<b>CHANGES IN PROPERTY</b>		
1. Describe briefly all the important physcal chanes in the property during the last fiscal period including additions, alterations or improvments to the works or physical property retired.		
In electric property		
Several 1 phase pole line reconstruction/upgrades of existing lines		
Several 3/0 overhead reconstructions of existing plant		
Several 3/0 URD reconstructions of existing plant		
3/0 and 1/0 overhead and underground subdivisions		

## The North Attleborough Electric Department

<b>BONDS</b> (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	
March 13, 1893 R	Jan. 1, 1894	\$50,000					
March 17, 1958 R	May 1, 1958	\$150,000					
March 27, 1967 R	Nov. 15, 1968	\$800,000					
Dec. 1, 1975 S	April 1, 1976	\$960,000					
Oct. 20, 1980 R	Dec. 15, 1982	\$500,000					
April 3, 1989 R	May 15, 1990	\$4,000,000					
April 1998 R	Mar 15, 1999	\$4,000,000	\$215,000	Annually	4.25 - 5.0%	Semi-Annually	\$430,000
May 19, 2003 R	Aug 15, 2003	\$1,200,000	\$60,000	Annually	3.00 - 5.0%	Semi-Annually	\$480,000
	<b>Total</b>	<b>\$11,660,000</b>				<b>Total</b>	<b>\$910,000</b>

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.  
 Date of meeting and whether regular or special. List original issue of bonds and notes including those that have been retired.

## The North Attleborough Electric Department

### 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	
March 13, 1899 R	July 1, 1899	\$13,900					\$0
March 11, 1902 R	July 1, 1902	\$3,000					\$0
March 19, 1906 R	May 1, 1906	\$35,000					\$0
Nov. 6, 1906 R	June 30, 1907	\$4,000					\$0
March 18, 1907 R	June 30, 1907	\$2,000					\$0
Oct. 20, 1980 R	Oct. 23, 1981	\$500,000					\$0
<b>Total</b>		<b>\$557,900</b>				<b>Total</b>	<b>\$0</b>
<p style="font-size: small;">The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.                      Date of meeting and whether regular or special. List original issue of bonds and notes including those that have been retired.</p>							

**TOTAL COST OF PLANT - ELECTRIC**

Account	Balance Beginning of Year	Additions	Retirements	Adjust	Transfe	Balance End of Year
<b>1. INTANGIBLE PLANT</b>						
303 Miscellaneous Intangible Plant						
<b>Total Intangible Plant</b>						
<b>2. PRODUCTION PLANT</b>						
<b>A. Steam Plant Production</b>						
106 Completed Const. Not Classified						
310 Land & Land Rights						
311 Structures & Improvements						
312 Boiler Plant Equipment						
313 Engines & Engine Driven Generators						
314 Turbogenerator Units						
315 Accessory Electric Equipment						
316 Miscellaneous Power Plant Equipment						
<b>Total Steam Production Plant</b>						
<b>B. Nuclear Production Plant</b>						
320 Land & Land Rights						
321 Structures & Improvements						
322 Reactor Plant Equipment						
323 Turbogenerator Units						
324 Accessory Electric Equipment						
325 Misc. Power Plant Equipment						
<b>Total Nuclear Production Plant</b>						
<b>C. Hydraulic Production Plant</b>						
330 Land & Land Rights						
331 Structures & Improvements						
332 Reservoirs, Dams & Waterways						
333 Water Wheels, Turbines & Generators						
334 Accessory Electric Equipment						
335 Miscellaneous Power Plant Equipment						
336 Roads, Railroads & Bridges						
<b>Total Hydraulic Production Plant</b>						
<b>D. Other Production Plant</b>						
340 Land & Land Rights						
341 Structures & Improvements						
342 Fuel Holders, Producers & Accessories						
343 Prime Movers						
344 Generators						
345 Accessory Electric Equipment						
346 Miscellaneous Power Plant Equipment						
<b>Total Other Production Plant</b>						
<b>3. TRANSMISSION PLANT</b>						
350 Land & Land Rights						
351 Clearing Land & Rights of Way						
352 Structures & Improvements						
353 Station Equipment						
354 Towers & Fixtures						
355 Poles & Fixtures						
356 Overhead Conductors & Devices						
357 Underground Conduit						
358 Underground Conductors & Devices						
359 Roads & Trails						
<b>Total Transmission Plant</b>						

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



## TOTAL COST OF PLANT - ELECTRIC

Account	Balance Beginning of Year	Additions	Retirements	Adjust	Transfe	Balance End of Year
<b>4. DISTRIBUTION PLANT</b>						
360 Land & Land Rights	\$99,623.22					\$99,623.22
361 Structures & Improvements	1,174,230.40	472,734.30				1,646,964.70
362 Station Equipment	6,428,945.31	54,552.00				6,483,497.31
363 Storage Battery Equipment						
364 Poles, Towers & Fixtures	4,887,352.64	168,051.28	(35,106.97)			5,020,296.95
365 Overhead Conductors & Devices	5,630,632.53	225,587.10	(8,043.47)			5,848,176.16
366 Underground Conduit	3,904,430.96	28,201.64				3,932,632.60
367 Underground Conduit & Devices	2,866,744.22	64,884.50	(637.78)			2,930,990.94
368 Line Transformers	3,911,593.08	(930.00)	(8,326.08)			3,902,337.00
369 Services	1,299,558.70	20,176.48	(9,202.04)			1,310,533.14
370 Meters	1,648,481.54	19,728.00				1,668,209.54
371 Installations on Customer's Premises	281,115.46					281,115.46
372 Leased Property on Customer's Premises	209,338.02	2,978.36				212,316.38
373 Street Lighting & Signal Systems	369,550.94					369,550.94
<b>Total Distribution Plant</b>	<b>32,711,597.02</b>	<b>1,055,963.66</b>	<b>(61,316.34)</b>			<b>33,706,244.34</b>
<b>5. GENERAL PLANT</b>						
389 Land & Land Rights						
390 Structures & Improvements	4,393,544.45	66,895.11				4,460,439.56
391 Office Furniture & Equipment	2,086,342.42	37,570.64				2,123,913.06
392 Transportation Equipment	1,900,182.83	(9,739.00)				1,890,443.83
393 Stores Equipment						
394 Tools, Shop & Garage Equipment	46,989.40	15,270.94				62,260.34
395 Laboratory Equipment	135,129.70	17,019.87				152,149.57
396 Power Operated Equipment	22,900.00					22,900.00
397 Communication Equipment	1,685,536.88	20,512.05				1,706,048.93
398 Miscellaneous Equipment	391,225.87	1,579.67				392,805.54
399 Other Tangible Property						
<b>Total General Plant</b>	<b>10,661,851.55</b>	<b>149,109.28</b>				<b>10,810,960.83</b>
<b>Total Electric Plant in Service</b>	<b>43,373,448.57</b>	<b>1,205,072.94</b>	<b>(61,316.34)</b>			<b>44,517,205.17</b>
Less Cost of Land, Land Rights, Right of Way						99,623.22
<b>Total Cost upon which Depreciation is based</b>						<b>44,417,581.95</b>

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

**COMPARATIVE BALANCE SHEET Assets and Liabilities**

Title of Account	Balance Beginning of Year	Balance End of Year	Increase or Decrease
<b>UTILITY PLANT</b>			
101 Utility Plant - Electric (P.17)	\$13,465,906.29	\$12,507,288.43	(\$958,617.86)
101 Non Utility Plant - Net			
107 Construction Work in Progress	13,996.00	181,460.18	167,464.18
123 Investment in Associated Companies			
<b>Total Utility Plant</b>	<b>13,479,902.29</b>	<b>12,688,748.61</b>	<b>(791,153.68)</b>
<b>FUND ACCOUNTS</b>			
125 Sinking Funds			
126 Depreciation Fund (P.14)	25,548,906.28	30,134,686.76	4,585,780.48
128 Other Special Funds	1,783,505.49	1,794,643.81	11,138.32
<b>Total Funds</b>	<b>27,332,411.77</b>	<b>31,929,330.57</b>	<b>4,596,918.80</b>
<b>CURRENT AND ACCRUED ASSETS</b>			
131 Cash (P.14)	12,389,287.19	11,577,607.85	(811,679.34)
132 Special Deposits	614,027.48	753,640.84	139,613.36
135 Working Funds	1,700.00	1,700.00	
141 Notes Receivable			
142 Customer Accounts Receivable	2,032,078.55	2,053,660.32	21,581.77
143 Other Accounts Receivable	36,365.85	130,151.98	93,786.13
146 Receivables from Municipality			
154 Materials and Supplies	821,292.62	828,890.13	7,597.51
Less Obsolete Inventory			
165 Prepayments	2,902,814.91	2,776,286.18	(126,528.73)
174 Miscellaneous Current Assets	2,124,285.38	2,511,599.38	387,314.00
<b>Total Current and Accrued Assets</b>	<b>20,921,851.98</b>	<b>20,633,536.68</b>	<b>(288,315.30)</b>
<b>DEFERRED DEBITS</b>			
181 Unamortized Debt Discount	20,525.92	9,218.32	(11,307.60)
182 Extraordinary Property Losses			
183 Preliminary Survey & Investigation Charges			
185 Other Deferred Debits			
<b>Total Deferred Debits</b>	<b>20,525.92</b>	<b>9,218.32</b>	<b>(11,307.60)</b>
<b>Total Assets and Other Debits</b>	<b>61,754,691.96</b>	<b>65,260,834.18</b>	<b>3,506,142.22</b>

## The North Attleborough Electric Department

Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction			\$0
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves			\$0
5	206 Loans Repayments	\$0	\$0	\$0
6	207 Appropriations for Construction Repayments	\$0	\$0	\$0
7	208 Unappropriated Earned Surplus (P.12)	\$5,150,066	\$4,905,214	(\$244,852)
8	215 Restricted Surplus	\$26,993,161	\$31,156,868	\$4,163,706
9	<b>Total Surplus</b>	<b>\$32,143,228</b>	<b>\$36,062,081</b>	<b>\$3,918,854</b>
10	<b>LONG TERM DEBT</b>			
11	221 Bonds (P.6)	\$910,000	\$630,000	(\$280,000)
12	231 Notes Payable (P.7)			\$0
13	<b>Total Bonds and Notes</b>	<b>\$910,000</b>	<b>\$630,000</b>	<b>(\$280,000)</b>
14	<b>CURRENT AND ACCRUED LIABILITIES</b>			
15	232 Accounts Payable	\$2,281,748	\$2,439,300	\$157,552
16	234 Payables to Municipality			\$0
17	235 Customer Deposits	\$615,622	\$746,146	\$130,524
18	236 Taxes Accrued			\$0
19	237 Interest Accrued	\$17,647	\$11,556	(\$6,091)
20	242 Miscellaneous Current and Accrued Liabilities	\$326,402	\$364,894	\$38,493
21	<b>Total Current and Accrued Liabilities</b>	<b>\$3,241,419</b>	<b>\$3,561,897</b>	<b>\$320,478</b>
22	<b>DEFERRED CREDITS</b>			
23	250 Deferred Inflows related to Pension		\$77,187	\$77,187
24	251 Unamortized Premium on Debt			\$0
25	252 Customer Advances for Construction	\$113,989	\$154,281	\$40,292
26	253 Other Deferred Credits	\$2,314,409	\$2,899,446	\$585,037
27	<b>Total Deferred Credits</b>	<b>\$2,428,398</b>	<b>\$3,053,727</b>	<b>\$625,329</b>
28	<b>RESERVES</b>			
29	260 Reserves for Uncollectable Accounts	\$326,202	\$345,952	\$19,750
30	260 Reserves for Rate Stabilization	\$6,181,864	\$7,084,089	\$902,225
31	262 Injuries and Damages Reserves			\$0
32	263 Pensions and Benefits			\$0
33	265 Miscellaneous Operating Reserves			\$0
34	<b>Total Reserves</b>	<b>\$6,508,066</b>	<b>\$7,430,041</b>	<b>\$921,975</b>
35	<b>CONTRIBUTIONS IN AID OF</b>			
36	<b>CONSTRUCTION</b>			
37	271 Contributions in Aid of Construction		\$0	\$0
38	<b>Total Liabilities and Other Credits</b>	<b>\$45,231,110</b>	<b>\$50,737,746</b>	<b>\$5,506,635</b>

State below if any earnings of the municipal lighting plant have been used for any purpose other than proof.

## STATEMENT OF INCOME FOR THE YEAR

<b>Account</b>	<b>Current Year</b>	<b>Preceding Year</b>	<b>Increase or (Decrease) from</b>
<b>OPERATING INCOME</b>			
400 Operating Revenues (P.37 and 43)	\$30,732,059.47	\$29,072,720.51	\$1,659,338.96
Operating Expenses:			
401 Operation Expense (P.42 & 47)	24,033,839.57	25,581,064.21	(1,547,224.64)
402 Maintenance Expense (P.42 & 47)	1,365,126.25	1,395,143.95	(30,017.70)
403 Depreciation Expense	2,163,690.80	2,175,610.08	(11,919.28)
407 Amortization of Property Losses			
408 Taxes (p.49)			
<b>Total Operating Expenses</b>	<b>27,562,656.62</b>	<b>29,151,818.24</b>	<b>(1,589,161.62)</b>
<b>Operating Income</b>	<b>3,169,402.85</b>	<b>(79,097.73)</b>	<b>3,248,500.58</b>
414 Other Utility Operating Income (P.50)	55,222.29	44,517.30	10,704.99
<b>Total Operating Income</b>	<b>3,224,625.14</b>	<b>(34,580.43)</b>	<b>3,259,205.57</b>
<b>OTHER INCOME</b>			
415 Income from Merchandising, Jobbing & Contract W	170,384.39	108,600.62	61,783.77
419 Interest Income	601,974.45	532,112.76	69,861.69
421 Miscellaneous Nonoperating Income	1,474.70	28,936.00	(27,461.30)
<b>Total Other Income</b>	<b>773,833.54</b>	<b>669,649.38</b>	<b>104,184.16</b>
<b>Total Income</b>	<b>3,998,458.68</b>	<b>635,068.95</b>	<b>3,363,389.73</b>
<b>MISCELLANEOUS INCOME DEDUCTIONS</b>			
425 Miscellaneous Amortization			
426 Other Income Deductions	182,898.05	(188,018.46)	370,916.51
<b>Total Income Deductions</b>	<b>182,898.05</b>	<b>(188,018.46)</b>	<b>370,916.51</b>
<b>Income before Interest Charges</b>	<b>4,181,356.73</b>	<b>447,050.49</b>	<b>3,734,306.24</b>
<b>INTEREST CHARGES</b>			
427 Interest on Bonds and Notes	36,595.83	50,160.42	(13,564.59)
428 Amortization of Debt Discount and Expense	11,307.60	11,307.60	
429 Amortization of Premium on Debt/Credit			
431 Other Interest Expense	3,848.18	1,163.82	2,684.36
432 Interest Charged to Construction - Credit			
<b>Total Interest Charges</b>	<b>51,751.61</b>	<b>62,631.84</b>	<b>(10,880.23)</b>
<b>Net Income</b>	<b>4,129,605.12</b>	<b>384,418.65</b>	<b>3,745,186.47</b>

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Year ended December 31, 2016

**The North Attleborough Electric Department**

**EARNED SURPLUS**

Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		\$5,150,066.07
35			
36			
37	433 Balance transferred from Income.....		\$4,129,605.12
38	434 Miscellaneous Credits to Surplus.....		\$1,558,290.94
39	435 Miscellaneous Debits to Surplus.....	\$5,632,748.46	
40	436 Appropriations of Surplus (P.21).....	\$300,000.00	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....		<b>\$4,905,213.67</b>
43			
44	<b>TOTALS</b>		

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CASH BALANCES AT END OF YEAR (Account 131)	
Items	Amount
Operation Fund	\$11,577,607.85
Interest Fund	
Bond Fund	
Construction Fund	
Total	11,577,607.85
MATERIALS & SUPPLIES (Accounts 151 - 159, 163) Summary per Balance Sheet	
Account	Electric
Fuel (Account 151) (See Schedule, Page 25)	
Fuel Stock Expenses (Account 152)	
Residuals (Account 153)	
Plant Materials & Operating Supplies (Account 154)	828,890.13
Merchandise (Account 155)	
Other Materials & Supplies (Account 156)	
Nuclear Fuel Assemblies & Components - In Reactor (Account 157)	
Nuclear Fuel Assemblies & Components - Stock Account (Account 158)	
Nuclear Byproduct Materials (Account 159)	
Stores Expense (Account 163)	
Total	828,890.13
DEPRECIATION FUND ACCOUNT (Account 126)	
	Amount
DEBITS	
Balance of account at beginning of year	25,548,906.28
Amount transferred from Income - Interest and Gain/Loss	761,324.46
Amount transferred from income - Depreciation Expense	2,175,610.08
Amount transferred from Income - Rate Stabilization Fund	2,684,675.60
Contribution in Aid of Construction	
Total Debits	5,621,610.14
CREDITS	
Amount expended for construction purposes	1,035,829.66
Amount expended for renewals	
Capital Improvements	
Principal Payments	
Power Credit Transfer to Operating Fund	
Total Credits	1,035,829.66
Balance of account at end of year	30,134,686.76

**UTILITY PLANT - ELECTRIC**

1. Report below the items 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). 3. Credit adjustments of plant accounts should be enclosed in parenthesis indicate the negative effect of such amounts. 4. Reclassification or transfers within utility plant accounts should be shown in column (f).

Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
<b>1. INTANGIBLE PLANT</b>						
303 Miscellaneous Intangible Plant	_____	_____	_____			_____
<b>Total Intangible Plant</b>						
<b>2. PRODUCTION PLANT</b>						
<b>A. Steam Plant Production</b>						
106 Completed Const. Not Classified						
310 Land & Land Rights						
311 Structures & Improvements						
312 Boiler Plant Equipment						
313 Engines & Engine Driven Generators						
314 Turbogenerator Units						
315 Accessory Electric Equipment						
316 Miscellaneous Power Plant Equipment	_____	_____	_____			_____
<b>Total Steam Production Plant</b>						
<b>B. Nuclear Production Plant</b>						
320 Land & Land Rights						
321 Structures & Improvements						
322 Reactor Plant Equipment						
323 Turbogenerator Units						
324 Accessory Electric Equipment						
325 Misc. Power Plant Equipment	_____	_____	_____			_____
<b>Total Nuclear Production Plant</b>						

**UTILITY PLANT - ELECTRIC**

Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
<b>C. Hydraulic Production Plant</b>						
330 Land & Land Rights						
331 Structures & Improvements						
332 Reservoirs, Dams & Waterways						
333 Water Wheels, Turbines & Generators						
334 Accessory Electric Equipment						
335 Miscellaneous Power Plant Equipment						
336 Roads, Railroads & Bridges						
<b>Total Hydraulic Production Plant</b>	_____	_____	_____			_____
<b>D. Other Production Plant</b>						
340 Land & Land Rights						
341 Structures & Improvements						
342 Fuel Holders, Producers & Accessories						
343 Prime Movers						
344 Generators						
345 Accessory Electric Equipment						
346 Miscellaneous Power Plant Equipment						
<b>Total Other Production Plant</b>	_____	_____	_____			_____
<b>3. TRANSMISSION PLANT</b>						
350 Land & Land Rights						
351 Clearing Land & Rights of Way						
352 Structures & Improvements						
353 Station Equipment						
354 Towers & Fixtures						
355 Poles & Fixtures						
356 Overhead Conductors & Devices						
357 Underground Conduit						
358 Underground Conductors & Devices						
359 Roads & Trails						
<b>Total Transmission Plant</b>	_____	_____	_____			_____



## UTILITY PLANT - ELECTRIC

Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
<b>4. DISTRIBUTION PLANT</b>						
360 Land & Land Rights	\$99,623.22					\$99,623.22
361 Structures & Improvements	\$506,334.16	\$472,734.30	(\$61,398.00)			\$917,670.46
362 Station Equipment	\$411,587.91	\$54,552.00	(\$336,156.00)			\$129,983.91
363 Storage Battery Equipment						
364 Poles, Towers & Fixtures	\$2,501,992.83	\$168,051.28	(\$255,549.00)			\$2,414,495.11
365 Overhead Conductors & Devices	\$2,847,395.98	\$225,587.10	(\$294,413.04)			\$2,778,570.04
366 Underground Conduit	\$708,414.95	\$28,201.64	(\$204,153.96)			\$532,462.63
367 Underground Conduit & Devices	\$1,529,055.67	\$64,884.50	(\$149,895.96)			\$1,444,044.21
368 Line Transformers	\$880,729.22	(\$930.00)	(\$204,528.96)			\$675,270.26
369 Services	\$430,686.16	\$20,176.48	(\$67,950.96)			\$382,911.68
370 Meters	\$923,469.40	\$19,728.00	(\$86,196.00)			\$857,001.40
371 Installations on Customer's Premises	\$0.00					\$0.00
372 Leased Property on Customer's Premis	\$0.00	\$2,978.36				\$2,978.36
373 Street Lighting & Signal Systems	\$42,201.98		(\$19,323.00)			\$22,878.98
<b>Total Distribution Plant</b>	<b>\$10,881,491.48</b>	<b>\$1,055,963.66</b>	<b>(\$1,679,564.88)</b>			<b>\$10,257,890.26</b>
<b>5. GENERAL PLANT</b>						
389 Land & Land Rights						
390 Structures & Improvements	\$621,073.41	\$66,895.11	(\$229,728.96)			\$458,239.56
391 Office Furniture & Equipment	\$340,203.61	\$37,570.64	(\$66,120.99)			\$311,653.26
392 Transportation Equipment	\$683,027.18	(\$9,739.00)	(\$68,302.72)			\$604,985.46
393 Stores Equipment						
394 Tools, Shop & Garage Equipment	\$26,065.36	\$15,270.94	(\$8,190.00)			\$33,146.30
395 Laboratory Equipment	\$34,092.70	\$17,019.87	(\$23,552.04)			\$27,560.53
396 Power Operated Equipment	\$18,549.04		(\$1,854.90)			\$16,694.14
397 Communication Equipment	\$859,539.52	\$20,512.05	(\$86,189.90)			\$793,861.67
398 Miscellaneous Equipment	\$1,863.99	\$1,579.67	(\$186.41)			\$3,257.25
399 Other Tangible Property						
<b>Total General Plant</b>	<b>\$2,584,414.81</b>	<b>\$149,109.28</b>	<b>(\$484,125.92)</b>			<b>\$2,249,398.17</b>
<b>Total Utility Plant Electric</b>	<b><u>\$13,465,906.29</u></b>	<b><u>\$1,205,072.94</u></b>	<b><u>(\$2,163,690.80)</u></b>			<b><u>\$12,507,288.43</u></b>

Annual Report of:

Year ended December 31, 2016

## The North Attleborough Electric Department

MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Gain/Loss on Property	\$730.00
2	Oher	\$744.70
3		
4		
5		
6	TOTAL	\$1,474.70
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8	Gain/Loss on Investment	\$182,898.05
9		
10		
11		
12		
13		
14	TOTAL	
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15	Transfer from Depreciation	\$1,035,829.66
16	Change in Investment of Capital Asssts, net of related debt	\$522,461.28
17		
18		
19		
20		
21		
22		
23	TOTAL	\$1,558,290.94
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Transfer to Depreciation	\$2,929,511.90
25	Transfer to Rate Stabilization	\$2,692,098.24
26	Transfer to Insurance Fund	\$11,138.32
27		
28		
29		
30		
31		
32	TOTAL	\$5,632,748.46
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Appropriated to the Town of North Attleborough from income for the reduction of the	
34	General Tax Levey	\$300,000.00
35		
36		
37		
38		
39		
40	TOTAL	\$300,000.00

MUNICIPAL REVENUES (Account 482,444)				
(K.W.H. sold under the provisions of Chapter 269, Acts of 1927)				
Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenues Received (c)	Avg. Revenues per M.C.F. (.0000) (d)
Total				
Acct. No.	Electric Schedule (a)	K.W.H. (b)	Revenues Received (c)	Avg. Revenues per K.W.H. (.0000) (d)
444 Municipals: (Other than Street Lighting)				
M-11	Small Municipal Service	1,129,055	179,298.00	.1588
M-12	Large Municipal Service	9,329,734	1,266,737.25	.1358
M-13 & M-23	Time of Use Municipal Service	3,559,280	482,580.61	.1356
Total		14,018,069	1,928,615.86	.1376
M-14	Street Lighting	677,369	162,515.67	.2399
Total Municipal		14,695,438	2,091,131.53	.1423

PURCHASES POWER (Account 555)				
Name of Utilities from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. (Cents) (0.0000) (e)
SEE PAGES 54 AND 55				
Totals				

SALES FR RESALE (Account 447)				
Name of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Revenues K.W.H. (Cents) (0.0000) (e)
SEE PAGES 52 AND 53				
Totals				

## ELECTRIC OPERATING REVENUES (ACCOUNT 400)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers mean the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc. indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales Account 442, according to Small (or Commercial) and Large, (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See account 442 of the Uniform System of Accounts. Explain basis of explanation.

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)	Amount for Year (f)	Increase or (Decrease) from Preceding Year (g)
<b>SALES OF ELECTRICITY</b>						
440 Residential Sales	17,032,997	(621,498)	107,436,738	(4,623,515)	12,061	586
442 Commercial & Industrial Sales						
Small (or Commercial) see instr. 5	3,091,934	(93,899)	18,786,077	95,243	986	(79)
Large (or Industrial) see instr. 5	11,761,829	(734,875)	80,286,147	(2,932,944)	128	(5)
444 Municipal Sales (P.22)	2,091,132	(46,147)	14,695,438	(151,497)	134	25
445 Other Sales to Public Authorities						
446 Sales to Railroads & Railways						
448 Interdepartmental Sales						
449 Miscellaneous Electric Sales	161,239	(4,089)	1,030,035	5,897	29	5
491 Provision for Rate Refunds	(3,608,908)	3,172,222				
Total Sales to Ultimate Consumers	30,530,223	1,671,714	222,234,435	(7,666,816)	13,337	532
447 Sales for Resale						
Total Sales of Electricity	30,530,223	1,671,714	222,234,435	(7,666,816)	13,337	532
<b>OTHER OPERATING REVENUES</b>						
450 Forfeited Discounts	157,243	(23,386)				
451 Miscellaneous Service Revenues	44,595	11,013				
453 Sales of Water & Water Power						
454 Rent from Electric Property						
455 Interdepartmental Rents						
456 Other Electric Revenues						
448 Interdepartmental Sales non electric						
Total Other Operating Revenues	201,838	(12,373)				
Total Electric Operating Revenues	30,732,061	1,659,341	222,234,435	(7,666,816)	13,337	532

*Includes revenues from application of fuel clauses*

*Total KWH to which applied*

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account the K.W.H. sold, the amount derived and the number of customers under each filed schedule. or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue Per KWH	Number of Customers (Per Bills Rendered)	
				Cents (0.0000) (d)	July 31 (e)	Dec 31 (f)
440.	Residential A 1	104,313,559.00	16,614,276.95	15.93	11,641	11,671
440.	Residential A 5	3,123,179.00	418,719.93	13.41	395	396
442.	Commercial/Industrial CI 6	18,786,076.60	3,091,934.00	16.46	978	984
442.	Commercial/Industrial CI 7	80,286,147.00	11,761,828.75	14.65	129	129
444.	Municipal M14	677,368.75	162,515.67	23.99	1	1
445.	Municipal M11	1,129,055.00	179,298.00	15.88	109	110
445.	Municipal M12	9,329,734.00	1,266,737.25	13.58	18	18
445.	Municipal M13 & M23	3,559,280.00	482,580.61	13.56	5	5
449.	Leased Lights	1,030,034.99	161,238.52	15.65	29	29
491.	Provision for Rate Refunds		(3,608,907.66)		0	0
<b>Total Sales to Ultimate Consumers</b>		<b>222,234,434.34</b>	<b>30,530,222.02</b>	<b>13.74</b>	<b>13,305</b>	<b>13,343</b>

(Page 37 Line 11)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES		
Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
<b>POWER PRODUCTION EXPENSES</b>		
<b>STEAM POWER GENERATION</b>		
Operation:		
500 Operation supervision and engineering		
501 Fuel		
502 Steam expenses		
503 Steam from other sources		
504 Steam transferred - Cr.		
505 Electric expenses		
506 Miscellaneous steam power expenses		
507 Rents		
<b>Total operation</b>		
Maintenance:		
510 Maintenance supervision and engineering		
511 Maintenance of structures		
512 Maintenance of boiler plant		
513 Maintenance of electric plant		
514 Maintenance of miscellaneous steam plant		
<b>Total maintenance</b>		
<b>Total power production expenses - steam power</b>		
<b>NUCLEAR POWER GENERATION</b>		
Operation:		
517 Operation supervision and engineering		
518 Fuel		
519 Coolants and water		
520 Steam expenses		
521 Steam from other sources		
522 Steam transferred - Cr.		
523 Electric expenses		
524 Miscellaneous nuclear power expenses		
525 Rents		
<b>Total operation</b>		
Maintenance:		
528 Maintenance supervision and engineering		
529 Maintenance of structures		
530 Maintenance of reactor plant equipment		
531 Maintenance of electric plant		
532 Maintenance of miscellaneous nuclear plant		
<b>Total maintenance</b>		
<b>Total power production expenses - nuclear power</b>		
<b>HYDRAULIC POWER GENERATION</b>		
Operation:		
535 Operation supervision and engineering		
536 Water for power		
537 Hydraulic expenses		
538 Electric expenses		
539 Miscellaneous hydraulic power generation expenses		
540 Rents		
<b>Total operation</b>		

ELECTRIC OPERATION AND MAINTENANCE EXPENSES		
Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
<b>HYDRAULIC POWER GENERATION - continued</b>		
Maintenance:		
541 Maintenance supervision and engineering		
542 Maintenance of structures		
543 Maintenance of Reservoirs, dams & waterways		
544 Maintenance of Electric Plant		
545 Maintenance of miscellaneous hydraulic plant		
<b>Total maintenance</b>		
<b>Total power production expenses - hydraulic power</b>		
<b>OTHER POWER GENERATION</b>		
Operation:		
546 Operation supervision and engineering		
547 Fuel		
548 Generation Expense		
549 Miscellaneous other power generation expenses		
550 Rents		
<b>Total operation</b>		
Maintenance:		
551 Maintenance supervision and engineering		
552 Maintenance of structures		
553 Maintenance of generating & electric plant		
554 Maintenance of miscellaneous other power generation plant		
<b>Total maintenance</b>		
<b>Total power production expenses - other power</b>		
<b>OTHER POWER SUPPLY EXPENSES</b>		
555 Purchased Power	14,221,367.59	(2,098,987.48)
556 System control & load dispatching		
557 Other expenses	<u>438,755.57</u>	<u>49,693.30</u>
<b>Total other power supply expenses</b>	<u>14,660,123.16</u>	<u>(2,049,294.18)</u>
<b>Total power production expenses</b>	<u>14,660,123.16</u>	<u>(2,049,294.18)</u>
<b>TRANSMISSION EXPENSES</b>		
Operation:		
560 Operation supervision and engineering		
561 Load dispatching		
562 Station expenses		
563 Overhead line expenses		
564 Underground line expenses		
565 Transmission of electricity by others	4,412,472.77	595,134.06
566 Miscellaneous transmission expenses		
567 Rents		
<b>Total operation</b>	<u>4,412,472.77</u>	<u>595,134.06</u>
Maintenance:		
568 Maintenance supervision and engineering		
569 Maintenance of structures		
570 Maintenance of station equipment		
571 Maintenance of overhead lines		
572 Maintenance of underground lines		
573 Maintenance of miscellaneous transmission plant		
<b>Total maintenance</b>		
<b>Total transmission expenses</b>	<u>4,412,472.77</u>	<u>595,134.06</u>

ELECTRIC OPERATION AND MAINTENANCE EXPENSES		
Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
<b>DISTRIBUTION EXPENSES</b>		
Operation:		
580 Operation supervision and engineering	\$421,110.27	\$28,557.14
581 Load dispatching		
582 Station expenses	147,314.24	(53,183.89)
583 Overhead line expenses	103,217.27	7,969.58
584 Underground line expenses	31,945.32	11,113.88
585 Street lighting & signal system expenses	9,644.46	(5,778.28)
586 Meter expenses	110,957.72	(1,949.83)
587 Customer installations expenses	62,870.31	3,871.33
588 Miscellaneous distribution expenses	273,258.08	(16,138.09)
589 Rentals		
<b>Total operation</b>	<b>1,160,317.67</b>	<b>(25,538.16)</b>
Maintenance:		
590 Maintenance supervision and engineering		
591 Maintenance of structures	5,989.84	(67.16)
592 Maintenance of station equipment	71,041.42	(12,115.86)
593 Maintenance of overhead lines	588,789.64	7,345.04
594 Maintenance of underground lines	75,089.86	37,029.69
595 Maintenance of line transformers	45,016.10	(10,825.33)
596 Maintenance of street lighting & signal systems	22,307.48	9,032.44
597 Maintenance of meters	3,413.75	716.31
598 Maintenance of miscellaneous distribution plant		
<b>Total maintenance</b>	<b>811,648.09</b>	<b>31,115.13</b>
<b>Total distribution expenses</b>	<b>1,971,965.76</b>	<b>5,576.97</b>
<b>CUSTOMER ACCOUNTS EXPENSES</b>		
Operation:		
901 Supervision		
902 Meter reading expenses	35,302.87	5,641.61
903 Customer records & collection expenses	547,859.13	(16,092.18)
904 Uncollectible accounts	130,000.00	
905 Miscellaneous customer accounts expenses		
<b>Total customer accounts expenses</b>	<b>713,162.00</b>	<b>(10,450.57)</b>
<b>SALES EXPENSES</b>		
Operation:		
908 Customer service expense	165,455.20	(1,088.33)
909 Electrical Information & Instruction	9,514.59	(1,252.66)
913 Advertising expense		
916 Miscellaneous sales expenses		
<b>Total sales expenses</b>	<b>174,969.79</b>	<b>(2,340.99)</b>
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>		
Operation:		
920 Administrative & general salaries	780,561.84	92,821.95
921 Office supplies & expenses	155,781.73	(22,130.36)
922 Administrative expenses transferred - Cr.		
923 Outside services employed	255,999.15	(100,769.55)
924 Property insurance	17,380.00	(8,928.75)
925 Injuries & Damages	118,383.26	(13,332.31)
926 Employee pension & benefits	1,488,817.80	(26,074.50)
927 Franchise Requirements	15,440.31	1,586.13
928 Regulatory commission expenses		
929 Duplicate charges - Cr.		
930 Miscellaneous general expenses	67,824.81	22,290.98
931 Rent Expense	12,605.28	(198.39)
<b>Total operations</b>	<b>2,912,794.18</b>	<b>(54,734.80)</b>



ELECTRIC OPERATION AND MAINTENANCE EXPENSES		
Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES - continued</b>		
Maintenance:		
933 Transportation Expenses	\$110,240.88	(\$52,465.06)
935 Maintenance of general plant	443,237.28	(8,667.77)
<b>Total maintenance</b>	<b>553,478.16</b>	<b>(61,132.83)</b>
<b>Total administrative &amp; general expenses</b>	<b>3,466,272.34</b>	<b>(115,867.63)</b>
<b>Total Electric Operation &amp; Maintenance Expenses</b>	<b>25,398,965.82</b>	<b>(1,577,242.34)</b>

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES		
Functional Classification (a)	Operation (b)	Maintenance (c)
Power Production Expenses		
Electric Generation:		
Steam Power		
Nuclear Power		
Hydraulic Power		
Other Power		
Other Power Supply Expenses	14,660,123.16	
<b>Total Power Production Expenses</b>	<b>14,660,123.16</b>	
Transmission Expenses	4,412,472.77	
Distribution Expenses	1,160,317.67	811,648.09
Customer Accounts Expenses	713,162.00	
Sales Expenses	174,969.79	
Administrative & General Expenses	2,912,794.18	553,478.16
<b>Total Electric Operations &amp; Maintenance Expenses</b>	<b>24,033,839.57</b>	<b>1,365,126.25</b>

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 & Maintenance Expenses (page 42, line 22 (d), depreciation (acct 403) and amortization (acct. 407).

89.69

Total Salaries & Wages of Electric Department for year, including amounts charged to Operating expenses, construction, & other accounts.

\$3,280,573.55

Total number of employees of Electric Department at end of year including administrative, operating, construction and other employees (including part time employees).

36.00

# The North Attleborough Electric Department

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 Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2	Pole Attachement fees		\$ 29,576.50	0	\$ 29,576.50
3	Scrap Sales		\$ 25,645.70	0	\$ 25,645.70
4					
5					
6					
7					
8					
9					
10					
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48					
49					
50					
51	<b>Totals</b>	\$0	\$55,222	\$0	\$55,222

# The North Attleborough Electric Department

<b>INCOME FROM MERCHANDISING, JOBBING, AND CONTRACT WORK (Account 415)</b>					
Report by utility departments the revenues, costs, expenses, and not income from merchandising, jobbing, & contract work during year.					
Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	<b>Revenues:</b>				
2	Merchandise sales, less discounts,				\$0
3	allowances and returns				\$0
4	Contract work	\$ 80,175.11			\$80,175
5	Commissions				\$0
6	Other (list according to major classes)				\$0
7	Property Damage	\$ 89,338.09			\$89,338
8	Reimbursement Mutual Aid/FEMA	\$ 871.19			\$871
9	Inventory				\$0
10	<b>Total Revenues</b>	<b>\$170,384</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,384</b>
11					
12					
13	<b>Costs and Expenses:</b>				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
17	Purchases				\$0
18					
19	Hot Water Tank Rental Expenses	\$ -			\$0
20					
21					
22					
23					
24					
25					
26	<b>Sales expenses:</b>	<b>\$0</b>			<b>\$0</b>
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	<b>Total Costs &amp; Expenses</b>	<b>\$0</b>			<b>\$0</b>
51	<b>Net Profit (or Loss)</b>	<b>\$170,384</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,384</b>

Annual Report of:

Year ended December 31, 2016

**The North Attleborough Electric Department**  
**PURCHASED POWER (Account 555)**  
 (except interchange power)

1. Report power purchased for resale during the year. Exclude from this schedule & report on page 56 particulars concerning interchange power transactions during the year.  
 2. Provide subheadings & classify purchases as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Non-utilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities.  
 For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "X" in column (c) if purchases involves import across a state line.  
 3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).  
 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 purchase 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 column (g) and (h) should be actual based on monthly readings & 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.

PURCHASED FROM (A)	STAT CLASS (B)	IMPORT ACROSS STATE LINES (C)	POINT OF RECEIPT (D)	SUB-STATION (E)	KW OR KVA OF DEMAND (SPECIFY WHICH)			TYPE OF DEMAND READING (I)	VOLTAGE AT WHICH (J)	KILOWATT HOURS (K)	COST OF ENERGY (OMIT CENTS)				COST PER KWH (CENTS) (0.0000) (P)	
					CONTRACT DEMAND (F)	AVERAGE MONTHLY MAX. DEMAND (G)	ANNUAL MAX. DEMAND (H)				CAPACITY CHARGES (L)	ENERGY CHARGES (M)	OTHER (N) **	TOTAL (O)		
<b>Nonassociated Utilities</b>																
MMWEC			No. Attleborough											\$401	\$401	\$0.0000
ENERGY NEW ENGLAND			No. Attleborough											\$117,754	\$117,754	\$0.0000
ENERGY MGMT-CONSULTING SERVICE														\$59,038	\$59,038	\$0.0000
LEGAL-PULMAN & KLINE														\$14,900	\$14,900	\$0.0000
NATIONAL GRID-HYDRO QUEBEC 2	0	X	No. Attleborough					60	115						\$0	\$0.0000
NATIONAL GRID-REMVEC II	0		No. Attleborough					60	115					\$5,130	\$5,130	\$0.0000
NATIONAL GRID-NETWORK TRANSMIS	0		No. Attleborough					60	115					(\$25,672)	(\$25,672)	\$0.0000
NATIONAL GRID-FACILITIES CHARGE I	0		No. Attleborough					60	115					\$34,576	\$34,576	\$0.0000
NATIONAL GRID	0		No. Attleborough			0		60	115					\$11,354	\$11,354	\$0.0000
<b>Other Public Authorities</b>																
FLUSH OF FUNDS	0		No. Attleborough									\$ (219,753)			(\$219,753)	\$0.0000
PASNY	FP	X	No. Attleborough			1,771		60		12,630,472	\$90,590	\$62,142	\$145,906		\$298,638	\$0.0236
ENE - MILLER HYDRO			No. Attleborough					60	115	5,632,466		\$300,556			\$300,556	\$0.0534
ENE - SPRUCE MOUNTAIN			No. Attleborough							7,945,111		\$590,756	\$2,857		\$593,613	\$0.0747
MMWEC - STONYBROOK (PEAKER)	0		No. Attleborough			10,170		60	115	179,013	\$156,158	\$40,196	\$43,462		\$239,816	\$1.3397
MMWEC - STONYBROOK CC(INTER)	0		No. Attleborough			11,071		60	115	3,437,723	\$914,320	\$176,520	\$6,355		\$997,195	\$0.2801
MMWEC - MIX 1 - SEABROOK	0	X	No. Attleborough			74		60	115	728,453	\$21,294	\$4,610	\$46		\$26,960	\$0.0356
MMWEC - MIX 1 - MILLSTONE 3	0	X	No. Attleborough			758		60	115	6,079,634	\$209,232	\$40,835	\$5,182		\$255,249	\$0.0420
MMWEC - PROJ 3 - MILLSTONE 3	0	X	No. Attleborough			1,239		60	115	9,824,433	\$698,844	\$66,048	\$8,373		\$773,265	\$0.0787
MMWEC - PROJ 4, 5 & 6 (SEABROOK)	0	X	No. Attleborough			4,269		60	115	39,953,088	\$2,596,386	\$253,308	\$2,513		\$2,852,207	\$0.0714
MMWEC - WYMAN	0	X	No. Attleborough			1,032		60	115	143,139	\$29,700	\$12,853	\$1,101		\$43,654	\$0.3050
TAUNTON MUNICIPAL - CLEARY 9	0		No. Attleborough			10,000		60	115	7,235,380	\$989,391	\$271,414			\$1,260,805	\$0.1743
TOWN OF BRAINTREE - POTTER 2	0		No. Attleborough			4,922		60	115	403,145.00	\$288,680	\$28,495			\$317,175	\$0.7868
MMWEC-SERVICE BILLINGS														\$0	\$0	\$0.0000
MMWEC - HYDRO QUEBEC	0	X	No. Attleborough					60	115				\$37,515		\$37,515	\$0.0000
MMWEC - HYDRO QUEBEC USE RIGHT	0		No. Attleborough										(\$40,179)		(\$40,179)	\$0.0000
ENE - RISE										29,280,000	\$90,727	\$1,619,769			\$1,710,496	\$0.0584
NORTHEAST UTILITY SYSTEM													\$5,638		\$5,638	\$0.0000
SADDLEBACK RIDGE										6,593,428		\$437,096			\$437,096	\$0.0663
ISO OATT			No. Attleborough					60	115					\$4,194,892	\$4,194,892	N/A
<b>Totals</b>										<b>130,065,485</b>	<b>\$5,765,569</b>	<b>\$3,904,598</b>	<b>\$4,631,142</b>	<b>\$14,301,309</b>	<b>\$14,301,309</b>	<b>0.109955</b>

\*\* Includes transmission and administrative chrges.

Need to tie out

The North Attleborough Electric Department

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 & 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 & 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	ISO NE		North	115KV	232,508,576	130,066,223	102,442,353	4,739,626.27
2			Attleborough					0
3								0
4								0
5								0
6								0
7								0
8								0
9								0
10								0
11								0
12	TOTALS				232,508,576	130,066,223	102,442,353	\$4,739,626.27

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NE	NET INTERCHANGE EXPENSE	3,558,346
14		NEPOOL EXPENSE	231,440
15		OTHER SETTLEMENTS & ANCILLARY SERVICES/EXPENSES	949,841
16			
17			0.00
18			0.00
19			0.00
20			0.00
21	TOTALS		4,739,626.27

# The North Attleborough Electric Department

## ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)	Kilowatt-hours (b)
<b>SOURCES OF ENERGY</b>		
1	Generation (excluding station use):	
3	Steam                      Gas Turbine Combined Cycle	0
4	Nuclear	
5	Hydro	
6	Other                      Diesel	
7	Total generation	0
8	Purchases	130,065,485
9	{ In (gross)	232,508,576
10	Interchanges                      { Out (gross)	130,066,223
11	{ Net (Kwh)	102,442,353
12	{ Received	
13	Transmission for/by others (V)    { Delivered	
14	{ Net (kwh)	
15	<b>TOTAL</b>	<b>232,507,838</b>
<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales)	222,234,434
18	Sales for resale	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use)	
21	Electric department only	
22	Energy losses:	
23	Transmission and conversion losses	738
24	Distribution losses	10,272,665.66
25	Unaccounted for losses	
26	Total energy losses	10,273,404
27	Energy losses as percent of total on line 15	4.42%
28	<b>TOTAL</b>	<b>232,507,838</b>

### MONTHLY PEAKS AND OUTPUT

- |  |   |
|--|---|
| <p>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.</p> <p>2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or 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.</p> | <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)</p> <p>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.</p> <p>5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.</p> |
|--|---|

#### Monthly Peak

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4) (g)	
29	January	41,344	Tuesday	19	7:00:00 PM	60 min	21,041,440	
30	February	41,328	Sunday	19	7:00:00 PM	60 min	19,093,264	
31	March	35,216	Friday	4	7:00:00 PM	60 min	18,130,768	
32	April	34,848	Monday	4	8:00:00 PM	60 min	16,412,112	
33	May	41,888	Saturday	28	5:00:00 PM	60 min	17,239,232	
34	June	42,400	Wednesday	29	3:00:00 PM	60 min	19,094,896	
35	July	52,736	Monday	25	3:00:00 PM	60 min	23,754,752	
36	August	54,736	Friday	12	4:00:00 PM	60 min	24,181,616	
37	September	47,856	Friday	9	4:00:00 PM	60 min	18,581,296	
38	October	31,984	Thursday	27	7:00:00 PM	60 min	16,624,688	
39	November	36,416	Monday	21	7:00:00 PM	60 min	17,280,992	
40	December	41,792	Thursday	15	7:00:00 PM	60 min	21,073,520	
41	<b>TOTAL</b>							<b>232,508,576</b>

### The North Attleborough Electric Department

#### 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 (l), (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 & 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 & Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Sherman Substation	Distribution	115 KV	13.8 KV		56000	1	0	None		
2			115 KV	13.8 KV		50000	1	0	None		
3											
4	Landry Ave., N. Attleboro		115KV	69KV		44800	2	0	None		
5			69KV	13.8KV				0	None		
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
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22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32	<b>TOTALS</b>					150800	4	0			

## The North Attleborough Electric Department

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 Distribution System (a)	Miles of Conduit Bank (All Sizes & Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	New Circuit E 11 Construction		2.55	13.8		
2						
3	E 3 Circuit Conversion		0.36	13.8		
4						
5	I-295 Crossing 5 Streets	.47	0.474	13.8		
6	Landry Ave.					
7	(Substation to riser poles 8-Way Duct,					
8	2-Banks)	1.44	16	13.8		
9						
10	Rt. 1 (295 to Town Line)	2.22	3.626	13.8		
11						
12	Allen Ave.	1	2	13.8		
13						
14	Misc. Duct Banks	12.5	24	13.8		
15						
16	Snowmass	0.2053	0.2053	13.8		
17						
18	Riordan Way	0.1038	0.1038	13.8		
19						
20	Circle Cout Project	0.0265	0.0265	13.8		
21						
22	Polyment Project	0.0324	0.0324	13.8		
23						
24	Whitings Pond		0.0778	13.8		
25						
26	Delphis Monast		1.7040	13.8		
27						
28	Chickadee		0.4349	13.8		
29						
30	Red Oak Extension		0.0460	13.8		
31						
32	Westwood Jeffrey Dr		0.1744	13.8		
33						
34	Park Street		0.0621	13.8		
35	Chauncy Village		0.3098	13.8		
36	Poles & Anchors		0.1644	13.8		
37	S.Washington		0.1523	13.8		
38	Cushman Estates		0.2623	13.8		
39	Bare Wire Single		0.3348	13.8		
40	Porcelaine Three		0.1034	13.8		
41	14-E-10/Load Reduction	0.0682	0.6216	13.8		
42	14-E-10/Load Reduction		1.3056	13.8		
43	Reed Ave		0.0670	13.8		
44	Christina Estates		1.0000	13.8		
45	Santoro Drive		0.2500	13.8		
46						
47						
48						
49						
50	<b>TOTALS</b>	<b>17.5962</b>	<b>56.4485</b>			

\*Indicate number of conductors per cable.



The North Attleborough Electric Department

OVERHEAD DISTRIBUTION LINES OPERATED				
Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year	150.30		150.30
2	Added During Year	0.00		0.00
3	Retired During Year	0.00		0.00
4	Miles - End of Year	150.30	0.00	150.30
5	Distribution System Characteristics - A.C. or D.C., phase, cycles & operating voltages for Light & Power.  Lights - A.C., 1/0, 60 HZ, 8000 or 2400 to 120/240 volts. Power - A.C.. 3/0, 60 HZ, 13800 or 4160 to 480/277, 240, 208 volts.			
6				
7				
8				
9				
10				
11				
12				
13				
14				
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	8,421	13,799	2,262	160,480.0
17	Additions during year:				
18	Purchased	67	268	25	25
19	Adjustment			(26)	(66.0)
20	Associated with utility plant acquired				
21	Total additions	67	268	(1)	(41)
22	Reductions during year:				
23	Retirements		129	4	950.0
24	Associated with utility plant sold		0		
25	Total reductions	0	129	4	900.0
26	Number at End of Year	8,488	13,938	2,257	159,539.0
27	In stock		520	301	23,407.0
28	Locked meters on customers' premises		97		
29	Inactive transformers on system				
30	In customers' use		13,279	1,953	135,607
31	In company's use		42	3	525.0
32	Number at End of Year		13,938	2,257	159,539.0

0 0 0.0

The North Attleborough Electric Department

<b>CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)</b>						
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.						
Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All Sizes & Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	New Circuit E 11 Construction		2.55	13.8		
2						
3	E 3 Circuit Conversion		0.36	13.8		
4						
5	I-295 Crossing 5 Streets	.47	0.474	13.8		
6	Landry Ave.					
7	(Substation to riser poles 8-Way Duct,					
8	2-Banks)	1.44	16	13.8		
9						
10	Rt. 1 (295 to Town Line)	2.22	3.626	13.8		
11						
12	Allen Ave.	1	2	13.8		
13						
14	Misc. Duct Banks	12.5	24	13.8		
15						
16	Snowmass	0.2053	0.2053	13.8		
17						
18	Riordan Way	0.1038	0.1038	13.8		
19						
20	Circle Cout Project	0.0265	0.0265	13.8		
21						
22	Polyment Project	0.0324	0.0324	13.8		
23						
24	Whitings Pond		0.0778	13.8		
25						
26	Delphis Monast		1.7040	13.8		
27						
28	Chickadee		0.4349	13.8		
29						
30	Red Oak Extension		0.0460	13.8		
31						
32	Westwood Jeffrey Dr		0.1744	13.8		
33						
34	Park Street		0.0621	13.8		
35	Chauncy Village		0.3098	13.8		
36	Poles & Anchors		0.1644	13.8		
37	S.Washington		0.1523	13.8		
38	Cushman Estates		0.2623	13.8		
39	Bare Wire Single		0.3348	13.8		
40	Porcelaine Three		0.1034	13.8		
41	14-E-10/Load Reduction	0.0682	0.6216	13.8		
42	14-E-10/Load Reduction		1.3056	13.8		
43	Reed Ave		0.0670	13.8		
44	Christina Estates		1.0000	13.8		
45	Santoro Drive		0.2500	13.8		
46						
47						
48						
49						
50	<b>TOTALS</b>	<b>17.5962</b>	<b>56.4485</b>			

\*Indicate number of conductors per cable.

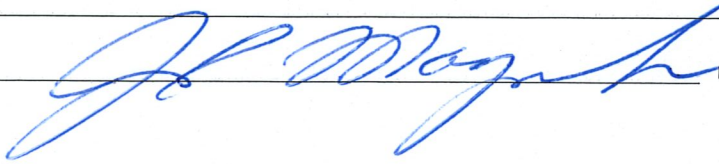
The North Attleborough Electric Department

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type								
			Incandescent		Mercury Vapor		Fluorescent		Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)	
1	North Attleborough	1961								1961	
2											
3											
4											
5											
6											
7											
8											
9											
10											
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13											
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46											
47											
48											
49											
50											
51											
52	TOTALS	1961	0	0	0	0	0	0	0	1961	0

The North Attleborough Electric Department

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

\_\_\_\_\_ Mayor,  
 \_\_\_\_\_ Manager of Electric Light


Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

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

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.