



**The Commonwealth of Massachusetts**

**RETURN**

**OF THE**

**TOWN OF LITTLETON**

**TO THE**

**DEPARTMENT OF  
PUBLIC UTILITIES**

**OF MASSACHUSETTS**

**For the Year Ended December 31,**

**2018**

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

**Erica Rooks**

Official Title: **Business Manager**

Office Address: **39 Ayer Road  
Littleton, MA 01460**

## TABLE OF CONTENTS

General Information	3
Schedule of Estimates	4
Customers in each City or Town	4
Appropriations Since Beginning of Year	5
Changes in the Property	5
Bonds	6
Town Notes	7
Cost of Plant	8-9
Comparative Balance Sheet	10-11
Income Statement	12-13
Earned Surplus	12
Cash Balances	14
Materials and Supplies	14
Depreciation Fund Account	14
Utility Plant - Electric	15-17
Production of Fuel and Oil Stocks	NONE 18
Miscellaneous Non-operating Income	21
Other Income Deductions	21
Miscellaneous Credits to Surplus	21
Miscellaneous Debits to Surplus	21
Appropriations of Surplus	21
Municipal Revenues	22
Purchased Power	22
Sales for Resale	22
Electric Operating Revenues	37
Sales of Electricity to Ultimate Consumers	38
Electric Operation and Maintenance Expenses	39-42
Taxes Charged During Year	NONE 49
Other Utility Operating Income	NONE 50
Income from Merchandising, Jobbing and Contract Work	51
Electric Energy Account	57
Sales for Resale	NONE 52-53
Purchased Power	54-55
Interchange Power	56
Monthly Peaks and Output	57
Generating Station Statistics	NONE 58-59
Steam Generating Stations	NONE 60-61
Hydroelectric Generating Stations	NONE 62-63
Combustion Engine and Other Generating Stations	NONE 64-65
Generating Statistics (Small Stations)	NONE 66
Transmission Line Statistics	67
Substations	68
Overhead Distribution Lines Operated	69
Electric Distribution Services, Meters and Line Transformers	69
Conduit, Underground Cable and Submarine Cable	70
Street Lamps	71
Rate Schedule Information	79
Signature Page	81

### FOR GAS PLANTS ONLY:

	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Consumers	44	Scrubbers, Condensers and Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House Governors	
Record of Sendout for the Year in MCF	72-73	and Meters	78

PAGES INTENTIONALLY OMITTED: 23 TO 36

**GENERAL INFORMATION**

3

- |  |  |                 |
|--|--|-----------------|
| 1. Name of town (or city) making this report.  | TOWN OF LITTLETON  |                 |
| 2. If the town (or city) has acquired a plant,   |  |                 |
| Kind of plant, whether gas or electric.  | Electric Distribution  |                 |
| 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,      Second vote: Yes,  |  |                 |
| Date when town (or city) began to sell electricity,  | September 1, 1912  |                 |
| 3. Name and address of manager of municipal lighting:  | Nick Lawler<br>Georgetown, MA  |                 |
| 4. Name and address of mayor or selectmen  | Charles DeCoste, Littleton, MA<br>Paul Glavey, Littleton, MA<br>Joseph Knox, Littleton, MA<br>Cynthia Napoli, Littleton, MA<br>Chase Gerbig, Littleton, MA |                 |
| 5. Name and address of town (or city) treasurer:   | Steve Venuti<br>Littleton, MA  |                 |
| 6. Name and address of town (or city) clerk:   | Diane Crory<br>Littleton, MA   |                 |
| 7. Names and addresses of members of municipal light board:  | Dick Taylor, Littleton, MA<br>James Karr, Littleton, MA<br>Ivan Pagacik, Littleton, MA<br>Thomas Rauker, Littleton, MA<br>Bruce Trumbull, Littleton, MA    |                 |
| 8. Total valuation of estates in town (or city) according to last state valuation                      |  | \$1,962,841,759 |
| 9. Tax rate for all purposes during the year:  | Residential  | \$18.14         |
|  | Commercial   | \$28.03         |
| 10. Amount of manager's salary:  |  | \$175,000       |
| 11. Amount of manager's bond:  |  |                 |
| 12. Amount of salary paid to members of municipal light board (each)                                   |  | \$1,950         |

**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**

<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	FROM SALES OF GAS.....	
2	FROM SALE OF ELECTRICITY .....	\$33,165,806.00
3	FROM RATE STABILIZATION FUND.....	
4	<b>TOTAL</b>	<b>\$33,165,806.00</b>
5	<b>Expenses:</b>	
6	For operation, maintenance and repairs.....	\$30,991,084.00
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund ( 3% on 40,164,476.03 as per page 8B ).....	\$1,204,934.28
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13	<b>TOTAL</b>	<b>\$32,196,018.28</b>
14		
15	<b>Cost:</b>	
16	Of gas to be used for municipal buildings.....	
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	745,000.00
19	Of electricity to be used for street lights.....	14,000.00
20	Total of the above items to be included in the tax levy.....	\$759,000.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$759,000.00

**CUSTOMERS**

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
		LITTLETON	4,705
		BOXBOROUGH	2,684
		<b>TOTAL</b>	<b>7,389</b>

Annual Report of The Town of Littleton Electric Light Department	5 Year ended December 31, 2018
<b>APPROPRIATIONS SINCE BEGINNING OF YEAR</b>	
(Include also all items charged direct to tax levy, even where no appropriation is made or required.)	
<b>FOR CONSTRUCTION OR PURCHASE OF PLANT:</b>	
* At meeting 19 , to be paid from {	\$ _____
* At meeting 19 , to be paid from {	\$ _____
<b>FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:</b>	
1. Street Lights.....	\$ 14,000.00
2. Municipal Buildings.....	745,000.00
	<u>\$ 759,000.00</u>
*Date of meeting and whether regular or special { Here insert bonds, notes or tax levy	
<b>CHANGES IN THE PROPERTY</b>	
1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.	
In electric property:	
Continued upgrade of entire system	
In gas property:	

<b>BONDS</b>							
(Issued on Account of Gas or Electric Lighting)							
When Authorized*	Date of issue	Amount of Original Issue	Period of Payments		Rate	Interest When Payable	
			Amounts	When Payable			
Apr-1999	Ded-1999	\$2,500,000.00 \$78,000.00	\$135,000.00 \$138,666.67 \$142,133.33 \$140,400.00 \$138,666.67 \$136,933.33 \$135,200.00 \$133,466.67 \$131,733.33 \$130,000.00	2000 thru 2006 2008 thru 2009 2010 thru 2011 2012 2013 2014 2015 2016 2017 2018	5.43 Variable	semi annually	0.00
Total		\$2,578,000.00					0.00

The bonds and notes outstanding at the end of the 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

Annual Report of The Town of Littleton Electric Light Department		TOWN NOTES				Year ended December 31, 2018	
		(ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING)					
When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount of Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
			NONE				
<b>TOTAL</b>		\$0.00					\$0.00
The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bonds and notes are repaid, report the first three columns only.							

Annual Report of The Town of Littleton Electric Light Department		TOTAL COST OF PLANT - ELECTRIC						8
		Year ended December 31, 2018						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)	
1	<b>1. INTANGIBLE PLANT</b>							
2								
3								
4								
5	<b>2. PRODUCTION PLANT</b>							
6	A. Steam Production							
7	310 Land and Land Rights.....						\$0.00	
8	311 Structures and Improvements.....						\$0.00	
9	312 Boiler Plant Equipment.....						\$0.00	
10	313 Engines and Engine Driven Generators.....						\$0.00	
11	314 Turbogenerator Units.....						\$0.00	
12	315 Accessory Electric Equipment.....						\$0.00	
13	316 Miscellaneous Power Plant Equipment.....						\$0.00	
14								
15	<b>Total Steam Production Plant.....</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	B. Nuclear Production Plant							
17	320 Land and Land Rights.....							
18	321 Structures and Improvements.....							
19	322 Reactor Plant Equipment.....							
20	323 Turbogenerator Units.....							
21	324 Accessory Electric Equipment.....							
22	325 Miscellaneous Power Plant Equipment.....							
23	<b>Total Nuclear Production Plant...</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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).





Annual Report of The Town of Littleton Electric Light Department		TOTAL COST OF PLANT - ELECTRIC (Continued)							8B
									Year ended December 31, 2018
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)		
1	<b>4. DISTRIBUTION PLANT</b>								
2	360 Land and Land Rights	1,312,676					1,312,676		
3	361 Structures and Improvements	411,839					411,839		
4	362 Station Equipment	4,836,300	27,820				4,864,120		
5	363 Storage Battery Equipment	22,526	11,334				33,860		
6	364 Poles, Towers and Fixtures	2,127,489	153,947	(23,596)			2,257,841		
7	365 Overhead Conductors and Devices	3,345,505	27,146				3,372,651		
8	366 Underground Conduits	1,566,511	136,311				1,702,822		
9	367 Underground Conductors & Devices	2,537,661	28,139				2,565,801		
10	368 Line Transformers	4,127,247	130,827	(82,904)			4,175,170		
11	369 Services	940,552	32,430				972,982		
12	370 Meters	732,658	19,266	(12,582)			739,341		
13	371 Installation on Cust's Premises	215,294	190				215,483		
14	372 Leased Prop. on Cust's Premises								
15	373 Street Light and Signal Systems								
16	Total Distribution Plant	444,878	60,711	(119,082)	-	-	505,589		
17		<b>22,621,136</b>	<b>628,121</b>				<b>23,130,176</b>		
18	<b>5. GENERAL PLANT</b>								
19	389 Land and Land rights	12,346,183	32,398				12,378,580		
20	390 Structures and Improvements	1,373,788	90,594				1,464,381		
21	391 Office Furniture and Equipment	2,505,220	218,064				2,697,121		
22	392 Transportation Equipment	146,474	92,186	(26,163)			238,660		
23	394 Tools, Shop and Garage Equipment	515,026	16,222				531,248		
24	395 Laboratory Equipment	320,257					320,257		
25	396 Power Operated Equipment	205,652					205,652		
26	397 Communication Equipment	411,066					411,066		
27	398 Miscellaneous Equipment	100,011					100,011		
28	399 Other Tangible Property								
29	Total General Plant	<b>17,923,676</b>	<b>449,463</b>	<b>(26,163)</b>			<b>18,346,976</b>		
30	Total Electric Plant in Service	<b>40,544,812</b>	<b>1,077,585</b>	<b>(145,245)</b>			<b>41,477,152</b>		
31		<b>TOTAL COST OF PLANT.....</b>							
32		Less Cost of Land, Land Rights, and Rights of Way							<b>1,312,676</b>
33		Total Cost upon which depreciation is based							<b>40,164,476</b>
34									

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

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2018

**COMPARATIVE BALANCE SHEET Assets and Other Debits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant -Electric.....	24,317,634	24,202,902	(114,732)
3	101 Utility Plant- Gas			
4	107 Construction in Process			0
5	<b>Total Utility Plant.....</b>	<b>24,317,634</b>	<b>24,202,902</b>	<b>(114,732)</b>
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	2,537,775	3,116,205	578,430
14	128 Other Special Funds.....	11,003,918	10,517,216	(486,702)
15	<b>Total Funds.....</b>	<b>13,541,693</b>	<b>13,633,420</b>	<b>91,727</b>
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14).....	3,646,493	4,364,119	717,626
18	132 Special Deposits.....			
19	132 Working Funds.....	4,000	1,000	(3,000)
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	2,699,189	2,647,928	(51,261)
22	143 Other Accounts Receivable.....	1,214,711	156,927	(1,057,784)
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	752,875	744,562	(8,312)
25				
26	165 Prepayments.....	421,171	482,320	61,149
27	174 Miscellaneous Current Assets			
28	<b>Total Current and Accrued Assets...</b>	<b>8,738,438</b>	<b>8,396,856</b>	<b>(341,582)</b>
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....			
33	<b>Total Deferred Debits.....</b>	<b>0</b>	<b>0</b>	<b>0</b>
34				
35	<b>Total Assets and Other Debits.....</b>	<b>46,597,765</b>	<b>46,233,179</b>	<b>(364,586)</b>

**COMPARATIVE BALANCE SHEET Liabilities and Other Credits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction.....			
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayment.....			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	43,274,260	42,949,701	(324,559)
8	<b>Total Surplus.....</b>	<b>43,274,260</b>	<b>42,949,701</b>	<b>(324,559)</b>
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P. 6).....	130,000	0	(130,000)
11	224 Other notes payable (P. 7)			
12	<b>Total Bonds and Notes.....</b>	<b>130,000</b>	<b>0</b>	<b>(130,000)</b>
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable.....	298,892	106,493	(192,399)
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....	145,300	184,124	38,824
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....			
19	242 Miscellaneous Current and Accrued Liabilities	2,421,029	2,945,601	524,572
20	<b>Total Current and Accrued Liabilities...</b>	<b>2,865,221</b>	<b>3,236,218</b>	<b>370,997</b>
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt.....			
23	252 Customer Advance for Construction.....			
24	253 Other Deferred Credits.....			
25	<b>Total Deferred Credits</b>	<b>0</b>	<b>0</b>	<b>0</b>
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectable Accounts.....	47,260	47,260	0
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....	281,024	0	(281,024)
31	265 Miscellaneous Operating Reserves.....			
32	<b>Total Reserves.....</b>	<b>328,284</b>	<b>47,260</b>	<b>(281,024)</b>
33	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271 Contributions in Aid of Construction.....			
35	<b>Total Liabilities and Other Credits</b>	<b>46,597,765</b>	<b>46,233,179</b>	<b>(364,586)</b>

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

Annual Report of The Town of Littleton Electric Light Department		12 Year ended December 31, 2018	
STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenue (P. 37 and P. 43) .....	32,037,727	1,221,430
3	<b>Operating Expenses:</b>		
4	401 Operation Expense (P.42).....	29,719,994	1,399,273
5	402 Maintenance Expense (P. 42).....	945,146	147,730
6	403 Depreciation Expense .....	1,176,964	147,352
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	<b>Total Operating Expenses.....</b>	<b>31,842,104</b>	<b>1,694,355</b>
11	Operating Income.....	195,623	(472,925)
12	414 Other Utility Operating Income (P.50).....		
13			
14	<b>Total Operating Income.....</b>	<b>195,623</b>	<b>(472,925)</b>
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	249,868	(714,394)
17	419 Interest Income.....	500,730	3,280
18	421 Miscellaneous Income.....	68,950	59,285
19	<b>Total Other Income.....</b>	<b>819,547</b>	<b>(651,830)</b>
20	<b>Total Income.....</b>	<b>1,015,170</b>	<b>(1,124,755)</b>
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	<b>Total Income Deductions.....</b>		
25	<b>Income before Interest Charges.....</b>	<b>1,015,170</b>	<b>(1,124,755)</b>
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Operations Bond		(11,115)
28	428 Amortization of Debt Discount and Expense.....		
29	429 Amortization of Premium on Debt.....		
30	431 Other Interest Expense.....	857	590
31	432 Interest Charged to Construction-Credit.....		
32	<b>Total Interest Charges</b>	<b>857</b>	<b>(10,525)</b>
33	<b>Net Income.....</b>	<b>1,014,313</b>	<b>(1,114,230)</b>
<b>EARNED SURPLUS</b>			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		43,100,638
35	Direct Charge to Surplus		
36	Earnings and Contributions to Restricted Equity for OPEB	71,805	
37			
38	433 Balance transferred from Income.....		1,014,313
39	434 Miscellaneous Credits to Surplus.....		
40	435 Miscellaneous Debits to Surplus.....	1,093,445	
41	436 Appropriations of Surplus (P.21).....		
42	437 Surplus Applied to Depreciation.....		
43	208 Unappropriated Earned Surplus (at end of period).....	42,949,701	
44	<b>TOTALS</b>	<b>44,114,951</b>	<b>44,114,951</b>

Annual Report of The Town of Littleton Electric Light Department		14	
		Year ended December 31, 2018	
CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Construction Fund.....	2,989,687	
2	Rate Stabilization Fund.....	6,066,198	
3	Pension Fund.....	1,069,490	
4	Post Employment Benefits.....	2,181,527	
5	Operating Cash	1,374,432	
6	Working Funds	1,000	
7			
8			
9			
10			
11			
12	<b>TOTAL</b>	<b>13,682,335</b>	
MATERIALS AND SUPPLIES (Account 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).....	744,562	
17	Merchandise (Account 155).....		
18	Other Materials and Supplies (Account 156).....		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)		
21	Nuclear Byproduct Materials (Account 159).....		
22	Stores Expense (Account 163).....		
23	<b>Total per Balance Sheet</b>	<b>744,562</b>	
Depreciation Fund Account (Account 126)			
Line No.	(a)	Amount (b)	
24	<b>DEBITS</b>		
25	Balance of Account at Beginning of Year.....		2,537,775
26	Income During Year from Balance on Deposit.....		
27	Amount Transferred from Income.....		600,000
28		<b>TOTAL</b>	<b>3,137,775</b>
29			
30	<b>CREDITS</b>		
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)		
32	Amounts Expended for Renewals.....		
33	Adjustment losses from investments		21,570
34			
35			
36			
37			
38			
39	Balance on Hand at End of Year.....		3,116,205
40		<b>TOTAL</b>	<b>3,137,775</b>

<b>UTILITY PLANT -- ELECTRIC</b>							
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. 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 parentheses to indicate the negative effect of such amounts. 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).							
1	<b>1. INTANGIBLE PLANT</b>						
2							
3							
4							
5							
6	<b>2. PRODUCTION PLANT</b>						
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	<b>Total Steam Production Plant</b>						
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	<b>Total Nuclear Production Plant</b>						

**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	<b>c. Hydraulic Production Plant</b>						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	<b>Total Hydraulic Production Plant</b>						
10	<b>D. Other Production Plant</b>						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders,Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	<b>Total Other Production Plant</b>						
19	<b>Total Production Plant</b>						
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way..						
23	352 Structures and Improvements..						
24	353 Station Equipment.....						
25	354 Towers and Fixures						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Device..						
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	<b>Total Transmission Plant</b>	0	-	-	-	0	0



Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2018

## 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	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land and Land Rights.....	1,312,676					1,312,675.99
3	361 Structures and Improvements.....	104,823		(11,635)			93,187.50
4	362 Station Equipment.....	2,345,081	27,820	(136,637)			2,236,264.32
5	363 Storage Battery Equipment.....	20,326	11,334	(636)			31,023.39
6	364 Poles and Fixtures.....	1,416,399	153,947	(60,106)			1,510,240.45
7	365 Overhead Conductors and Devices...	1,286,577	27,146	(94,518)			1,219,205.12
8	366 Underground Conduits.....	1,041,597	136,311	(44,258)			1,133,651.02
9	367 Underground Conductors and Devices	1,468,633	28,139	(71,695)			1,425,078.21
10	368 Line Transformers.....	2,567,699	130,827	(116,604)			2,581,921.60
11	369 Services.....	284,092	32,430	(26,573)			289,949.60
12	370 Meters.....	623,764	19,266	(20,699)			622,330.46
13	371 Installation on Cust's Premises....	65,450	190	(6,083)			59,557.16
14	372 Leased Prop. on Cust's Premises....						
15	373 Street Light and Signal Systems....	303,161	60,711	(12,569)			351,302.50
16	<b>Total Distribution Plant</b>	<b>12,840,279</b>	<b>628,121</b>	<b>(602,013)</b>	<b>0</b>	<b>0</b>	<b>12,866,387</b>
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land Rights.....	8,942,705	32,398	(348,808)			8,626,295.39
19	390 Structures and Improvements.....	802,894	90,594	(39,740)		(3,052)	850,695.57
20	391 Office Furniture and Equipment....	802,816	218,064	(139,345)			881,534.84
21	392 Transportation Equipment.....	152,595	92,186	(4,138)		(12,300)	228,342.15
22	393 Stores Equipment.....	248,469	16,222	(14,551)			250,139.74
23	394 Tools, Shop and Garage Equipment...	212,758	0	(9,048)			203,710.36
24	395 Laboratory Equipment.....	4,882.96	0	(4,883)			-
25	396 Power Operated Equipment.....	249,393	0	(11,614)			237,779.61
26	397 Communication Equipment.....	60,843	0	(2,826)			58,017.30
27	398 Miscellaneous Equipment.....						
28	399 Other Tangible Property.....						
29	<b>Total General Plant</b>	<b>11,477,356</b>	<b>449,463</b>	<b>(574,951)</b>	<b>0</b>	<b>(15,352)</b>	<b>11,336,515</b>
30	<b>Total Electric Plant in Service</b>	<b>24,317,634</b>	<b>1,077,585</b>	<b>(1,176,964)</b>	<b>0</b>	<b>(15,352)</b>	<b>24,202,902</b>
31	104 Utility Plant leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....					0	0
108	Accumulated Depreciation						
34	<b>Total Utility Electric Plant</b>	<b>24,317,634</b>	<b>1,077,585</b>	<b>(1,176,964)</b>	<b>0</b>	<b>(15,352)</b>	<b>24,202,902</b>

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**  
**(Except Nuclear Materials)**

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of year					
2	Received During Year					
3	<b>TOTAL</b>					
4	Used During Year (Note A)					
5	<b>NONE</b>					
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	<b>TOTAL DISPOSED OF</b>					
13	<b>BALANCE END OF YEAR</b>					
<b>Kinds of Fuel and Oil -- Continued</b>						
Line No.	Item (g)		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	<b>NONE</b>					
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

Annual Report of The Town of Littleton Electric Light Department		21
		Year ended December 31, 2018
<b>MISCELLANEOUS NON-OPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1	GAIN ON SALE OF VEHICLES	\$6,210.15
2	SREC SALES	\$62,739.36
3		
4		
5		
6	TOTAL	<b>\$68,949.51</b>
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	<b>\$0.00</b>
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24	PAYMENT IN LIEU OF TAXES	\$792,890.23
25	A & G EXPENSE FOR TOWN WATER DEPT	\$300,554.75
26		
27		
28		
29		
30		
31		
32	TOTAL	<b>\$1,093,444.98</b>
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33		
34		
35		
36		
37		
38		
39		
40	TOTAL	

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2018

**MUNICIPAL REVENUES (Accounts 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 M.C.F. [\$0.0000] (d)
1					
2					
3	482	NONE			
4		TOTALS			

Line No.	Acct No.	Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. [cents] [\$0.0000] (d)
5					
6	444	Municipal: (Other Than Street Lighting)	5,903,993	735,234	0.1245
7					
8		TOTALS			
9		Street Lighting	128,785	13,778	0.1070
10					
11		TOTALS			
12					
13					
14					
15		TOTALS	6,032,778	\$749,011.19	0.1242

**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 K.W.H. cents [0.0000] (e)
20	ISO New England	Beaver Brook	(25,738,470)	(\$919,275)	0.0357
21	Nextera	substation	23,360,000	\$1,144,542	0.0490
22	Power Authority of New York	Littleton, MA	6,621,433	\$34,552	0.0052
23	Wyman (MMWEC)	115 KV	237,346	\$21,841	0.0920
24	Intermediate (MMWEC)		1,564,151	\$125,032	0.0799
25	Peaking (MMWEC)		202,521	\$39,393	0.1945
27	Mix 1 (MMWEC)		3,306,098	\$20,921	0.0063
28	Mix 3 (MMWEC)		2,734,864	\$17,444	0.0064
29	Mix 4 (MMWEC)		9,686,726	\$56,206	0.0058
30	Mix 5 (MMWEC)		1,022,021	\$5,930	0.0058
31	Benton Falls Hydro		14,955,454	\$1,091,748	0.0730
32	A&D Hydro		6,650,531	\$642,530	0.0966
33	BP Energy		180,364,400	\$8,559,193	0.0475
34	Canton Mountain Wind		7,555,825	\$749,129	0.0991
35	Saddleback Ridge		6,888,960	\$568,006	0.0825
36	Ice House Partners		767,447	\$99,385	0.1295
38	NextSun Energy		5,285,447	\$538,574	0.1019
39	Old Wardour Holdings		660,715	\$41,496	0.0628
41	Vuelta Solar		660,715	\$41,496	0.0628
42	Messalonskee Stream Hydro		18,180,580	\$1,002,931	0.0552
44	Misc Cash Adjustment / Refunds		39,300		
45					
47		TOTALS	265,006,064	\$13,881,073	0.0524

**SALES FOR RESALE (Account 447)**

Line No.	Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (c)	Revenues per K.W.H. [cents] [0.0000] (e)
43					
		TOTALS		\$0.00	

**ELECTRIC OPERATING REVENUES (Account 400)**

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.

2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.

3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.

5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues			Kilowatt-hours Sold			Average Number of Customers per Month	
		Amount for Year (a)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)		
<b>SALES OF ELECTRICITY</b>									
1	440 Residential Sales.....	\$8,305,248.63	\$1,226,867.30	67,164,655	4,480,518	6,554	174		
2	442 Commercial and Industrial Sales:								
3	Small (or Commercial) see instr. 5.....	\$1,945,103.47	\$82,760.98	14,801,617	(559,747)	612	(3)		
4	Large (or Industrial) see instr. 5.....	\$20,594,099.81	(\$147,936.81)	169,166,573	(19,332,659)	103	15		
5	444 Municipal Sales (P. 22)	\$735,233.55	\$63,142.82	5,903,993	33,447	75	5		
6	445 Other Sales to Public Authorities.....								
7	446 Sales to Railroads and Railways.....								
8	448 Interdepartmental Sales.....	\$112,972.98	\$10,278.62	595,332	(1,688)				
9	449 Miscellaneous Electric Sales.....								
10	449 Miscellaneous Electric Sales.....	\$112,972.98	\$10,278.62	595,332	(1,688)				
11	<b>Total Sales to Ultimate Consumers.....</b>	<b>\$31,692,658.44</b>	<b>\$1,235,112.91</b>	<b>257,632,170</b>	<b>(15,380,129)</b>	<b>7,343</b>	<b>191</b>		
12	447 Sales for Resale.....								
13	<b>Total Sales of Electricity* .....</b>	<b>\$31,692,658.44</b>	<b>\$1,235,112.91</b>	<b>257,632,170</b>	<b>(15,380,129)</b>	<b>7,343</b>	<b>191</b>		
<b>OTHER OPERATING REVENUES</b>									
14	450 Forfeited Discounts.....	\$65,622.36	\$38,276.90						
15	451 Miscellaneous Service Revenues.....	\$87,150.00	\$3,170.00						
16	453 Sales of Water and Water Power.....								
17	454 Rent from Electric Property.....	\$147,562.80	\$43,098.80						
18	454 Rent from Electric Property.....								
19	455 Interdepartmental Rents.....								
20	456 Other Electric Revenues.....	\$44,733.12	\$28,544.73						
21	458 Federal/State Emergency Reimbursements	\$0.00	(\$126,773.00)						
22	Miscellaneous Adjustments to Sales								
23									
24									
25	<b>Total Other Operating Revenues.....</b>	<b>\$345,068.28</b>	<b>(\$13,682.57)</b>						
26	<b>Total Electric Operating Revenues.....</b>	<b>\$32,037,726.72</b>	<b>\$1,221,430.34</b>						

**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 and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (per Bills Rendered)		
						July 31 (e)	December 31 (f)	
1	440	Residential	67,164,655	8,305,248.63	0.1237	6,508	6,599	
2	442-2	Commercial / Industrial SM	14,801,617	1,945,103.47	0.1314	612	611	
3	442-3	Commercial / Industrial Power	15,357,860	2,173,248.99	0.1415	60	60	
4	442-4	Commercial / Industrial Large	153,808,713	18,420,850.82	0.1198	42	43	
5	445	Municipal	5,903,993	735,233.55	0.1245	74	76	
6	449	Private Area Lighting	595,332	112,972.98	0.1898			
7								
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45								
46								
47								
48	TOTAL SALES TO ULTIMATE CONSUMERS							
49	( Page 37 Line 11 )			257,632,170	31,692,658	0.1230	7,296	7,389

**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 divided from previously reported figures explain in footnote.

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

(continued on page 40)

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - CONTINUED</b>		
2	<b>Maintenance:</b>		
3	541 Maintenance Supervision and Engineering.....		
4	542 Maintenance of Structures.....		
5	543 Maintenance of Reservoirs, Dams and Waterways.....		
6	544 Maintenance of Electric Plant.....		
7	545 Maintenance of Miscellaneous Hydraulic Plant.....		
8	<b>Total Maintenance</b>		
9	<b>Total Power Production Expenses - Hydraulic Power</b>		
10	<b>OTHER POWER GENERATION</b>		
11	<b>Operation:</b>		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	<b>Total Operation</b>		
18	<b>Maintenance:</b>		
19	551 Maintenance Supervision and Engineering.....		
20	552 Maintenance of Structure.....		
21	553 Maintenance of Generating and Electric Plant.....		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	<b>Total Maintenance</b>		
24	<b>Total Power Production Expenses - Other Power</b>		
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power.....	\$13,881,073	(\$208,191)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	\$7,034,704	\$1,900,470
29	<b>Total Other Power Supply Expenses</b>	<b>\$20,915,777</b>	<b>\$1,692,279</b>
30	<b>Total Power Production Expenses</b>	<b>\$20,915,777</b>	<b>\$1,692,279</b>
31	<b>TRANSMISSION EXPENSES</b>		
32	<b>Operation:</b>		
33	560 Operation Supervision and Engineering.....		
34	561 Load Dispatching.....		
35	562 Station Expenses.....		
36	563 Overhead Line Expenses.....		
37	564 Underground Line Expenses.....		
38	565 Transmission of Electricity by Others.....	\$4,368,181	(\$205,897)
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	<b>Total Operation</b>	<b>\$4,368,181</b>	<b>(\$205,897)</b>
42	<b>Maintenance:</b>		
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	<b>Total Maintenance</b>		
50	<b>Total Transmission Expenses</b>	<b>\$4,368,181</b>	<b>(\$205,897)</b>



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	<b>Operation:</b>		
3	580 Operation Supervision and Engineering.....	528,951	37,665
4	581 Load Dispatching.....	74,512	44,565
5	582 Station Expenses.....		
6	583 Overhead Line Expenses.....		
7	584 Underground Line Expenses.....		
8	585 Street Lighting and Signal System Expenses.....		
9	586 Meter Expenses.....	128,323	3,921
10	587 Customer Installations Expenses.....		
11	588 Miscellaneous Distribution Expenses.....	367,498	(12,143)
12	589 Rents.....		
13	<b>Total Operation</b>	<b>1,099,285</b>	<b>74,007</b>
14	<b>Maintenance:</b>		
15	590 Maintenance supervision and engineering.....		
16	591 Maintenance of Structures.....		
17	592 Maintenance of Station Equipment.....	1,337	(3,364)
18	593 Maintenance of Overhead Lines.....	408,898	66,376
19	594 Maintenance of Underground Lines.....	198,394	84,763
20	595 Maintenance of Line Transformers.....		
21	596 Maintenance of Street Lighting and Signal Systems....	1,728	(1,364)
22	597 Maintenance of Meters.....		
23	598 Maintenance of Miscellaneous Distribution Plant.....	1,271	920
24	<b>Total Maintenance</b>	<b>611,629</b>	<b>147,330</b>
25	<b>Total Distribution Expenses</b>	<b>1,710,914</b>	<b>221,337</b>
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	<b>Operation:</b>		
28	901 Supervision.....	249,371	86
29	902 Meter Reading Expenses.....	75,781	(2,951)
30	903 Customer Records and Collection Expenses.....	90,528	1,110
31	904 Uncollectable Accounts.....	-	(30,000)
32	905 Miscellaneous Customer Accounts Expenses.....		
33	<b>Total Customer Accounts Expenses</b>	<b>415,679.71</b>	<b>(31,755)</b>
34	<b>SALES EXPENSES</b>		
35	<b>Operation:</b>		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....	88,860	47,142
38	913 Advertising Expenses.....	14,668	9,985
39	916 Miscellaneous Sales Expense.....		
40	<b>Total Sales Expenses</b>	<b>103,527.93</b>	<b>57,127</b>
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	<b>Operation:</b>		
43	920 Administrative and General Salaries.....	99,530	(62,418)
44	921 Office Supplies and Expenses.....	254,450	(11,048)
45	922 Administrative Expenses Transferred - Cr.....		
46	923 Outside Services Employed.....	1,062,347	62,107
47	924 Property Insurance.....	14,875	5,731
48	925 Injuries and Damages.....	51,688	(575)
49	926 Employees Pensions and Benefits.....	1,285,715	(174,941)
50	928 Regulatory Commission Expenses.....		0
51	929 Duplicate Charges - Cr.....		
52	930 Miscellaneous General Expenses.....	48,938	(5,343)
53	931 Rents.....		
54	<b>Total Operation</b>	<b>2,817,543.21</b>	<b>(186,487)</b>

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE EXPENSES</b>		
2	<b>Maintenance:</b>		
3	932 Maintenance of General Plant.....	107,533	(19,077)
4	933 Transportation expense.....	225,984	19,477
5	<b>Total Maintenance</b>	<b>333,517</b>	<b>400</b>
6	<b>Total Administrative and General Expenses</b>	<b>3,151,060</b>	<b>(186,088)</b>
7	<b>Total Electric Operation and Maintenance Expenses</b>	<b>30,665,140</b>	<b>1,547,003</b>

**SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power.....			
11	Nuclear Power.....			
12	Hydraulic Power.....			
13	Other Power.....			
14	Other Power Supply Expenses.....	20,915,777		20,915,777
15	<b>Total Power Production Expenses</b>	<b>20,915,777</b>		<b>20,915,777</b>
16	Transmission Expenses.....	4,368,181		4,368,181
17	Distribution Expenses.....	1,099,285	611,629	1,710,914
18	Customer Accounts Expenses.....	415,680		415,680
19	Sales Expenses.....	103,528		103,528
20	Administrative and General Expenses.....	2,817,543	333,517	3,151,060
21	Support Expense Transfer			
22	<b>Total Electric Operation and Maintenance Expenses</b>	<b>29,719,994</b>	<b>945,146</b>	<b>30,665,140</b>

23	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).....	<b>99.39%</b>
24	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....	<b>\$2,881,653.57</b>
25	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	<b>28</b>



Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2018

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

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

Line No.	Item (a)	Electric Department (c)	Gas Department (d)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandising sales, less discounts,	\$6,664.72			\$6,664.72
3	allowances and returns.....				
4	Contract Work.....	\$361,051.91			\$361,051.91
5	Commissions.....				
6	Other (List according to major classes)				
7	Administrative Support.....				\$0.00
8					
9					
10	Total Revenues.....	<b>\$367,716.63</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$367,716.63</b>
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16					
17	Labor	\$113,506.95			\$113,506.95
18	Materials	\$18,119.55			\$18,119.55
19	Administrative Support	\$0.00			\$0.00
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				
27	Customer accounts expenses.....				
28	Administrative and general expenses.....				\$0.00
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 AND EXPENSES</b>	<b>\$131,626.50</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$131,626.50</b>
51	<b>Net Profit (or Loss)</b>	<b>\$236,090.13</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$236,090.13</b>

**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					
3					
4					
5					
6					
7					
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9					
10					
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12					
13					
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48					
49					
50					
51	<b>TOTALS</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**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	Statistical Classification	Export Across State Lines	Point of Delivery	Substation	Kw or Kva of Demand (Specify which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	N/A							
2								
3								
4								
5								
6								
7								
8								
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11								
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31								
32								
33								
34								
35								

**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 sale may be grouped.

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
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								25
								26
								27
								28
								29
								30
								31
								32
								33
	<b>TOTALS</b>	<b>0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>0.0000</b>	<b>35</b>





**PURCHASED POWER (Account 555) - Continued**

(except interchange power)

- |   |   |
|---|---|
| <p>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.</p> <p>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 column (g) and (h) should be actual based on monthly readings and</p> | <p>should be furnished whether or not used in the determination of demand charges. Show in column (l) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).</p> <p>6. The number of kilowatt hours purchased should be the quantities shown by the power bills.</p> <p>7. Explain any amount entered in column (n) such as fuel or other adjustments.</p> |
|---|---|

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 Minutes	115KV	23,360,000		\$1,144,542		\$1,144,542	0.0490	1
60 Minutes	115KV	6,621,433		\$34,552		\$34,552	0.0052	2
60 Minutes	115KV	237,346		\$21,841		\$21,841	0.0920	3
60 Minutes	115KV	1,564,151		\$125,032		\$125,032	0.0799	4
60 Minutes	115KV	202,521		\$39,393		\$39,393	0.1945	5
60 Minutes	115KV	3,306,098		\$20,921		\$20,921	0.0063	6
60 Minutes	115KV	2,734,864		\$17,444		\$17,444	0.0064	7
60 Minutes	115KV	9,686,726		\$56,206		\$56,206	0.0058	8
60 Minutes	115KV	1,022,021		\$5,930		\$5,930	0.0058	9
60 Minutes	115KV	14,955,454		\$1,091,748		\$1,091,748	0.0730	10
60 Minutes	115KV	6,650,531		\$642,530		\$642,530	0.0966	11
60 Minutes	115KV	180,364,400		\$8,559,193		\$8,559,193	0.0475	12
60 Minutes	115KV	7,555,825		\$749,129		\$749,129	0.0991	13
60 Minutes	115KV	6,888,960		\$568,006		\$568,006	0.0825	14
60 Minutes	115KV	767,447		\$99,385		\$99,385	0.1295	15
60 Minutes	115KV	5,285,447		\$538,574		\$538,574	0.1019	16
60 Minutes	115KV	660,715		\$41,496		\$41,496	0.0628	17
60 Minutes	115KV	660,715		\$41,496		\$41,496	0.0628	18
60 Minutes	115KV	18,180,580		\$1,002,931		\$1,002,931	0.0552	19
		39,300						20
								21
								22
								23
								24
								25
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								33
								34
								35
								36
<b>TOTALS</b>		<b>290,744,534</b>	<b>\$0</b>	<b>\$14,800,348</b>	<b>\$0</b>	<b>\$14,800,348</b>	0.0509	37

**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 Non-utilities, (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 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 Lines Across State (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 NEW ENGLAND		LITTLETON	115kv	259,720,610	285,459,080	\$9,058,968.64	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12			<b>TOTALS</b>		<b>259,720,610</b>	<b>285,459,080</b>	<b>9,058,969</b>	

**B. Details of Settlement for Interchange Power**

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NEW ENGLAND	ENERGY EXPENSE	(919,275)
14		FMC SETTLEMENT	4,476,293
15		NEPOOL EXPENSE	5,501,951
16			
17			
18			
19			
20			
21		<b>TOTALS</b>	<b>9,058,969</b>

**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)
1	<b>SOURCES OF ENERGY</b>	
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	<b>0</b>
8	Purchases.....	290,744,535
9	{ In (gross) ..... <span style="float: right; border: 1px solid black; padding: 2px;">259,720,610</span>	
10	{ Out (gross) ..... <span style="float: right; border: 1px solid black; padding: 2px;">285,459,080</span>	
11	{ Net (Kwh).....	(25,738,470)
12	{ Received.....	
13	Transmission for/by others (Wh.....{ Delivered.....	
14	{ Net (kwh).....	
15	<b>TOTAL</b> .....	<b>265,006,065</b>
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales).....	257,632,170
18	Sales for resale.....	
19	Energy furnished without charge .....	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	1,264,532
22	Energy losses:	
23	Transmission and conversion losses.....	
24	Distribution losses.....	6,109,363
25	Unaccounted for losses.....	
26	Total energy losses.....	6,109,363
27	Energy losses as percent of total on line 15..... 2.31%	
28	<b>TOTAL</b>	<b>265,006,065</b>

**MONTHLY PEAKS AND OUTPUT**

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

2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and 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.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute 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 and physically connected, the information called for below should be furnished for each system.

**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	43,776	TUE	2	9:00	60 min	25,289,584
30	February	38,218	FRI	9	8:00	"	20,973,322
31	March	37,382	MON	19	8:00	"	22,443,321
32	April	34,013	MON	2	9:00	"	20,494,047
33	May	36,893	THU	31	18:00	"	21,183,502
34	June	41,731	MON	18	18:00	"	21,410,566
35	July	44,150	TUE	3	14:00	"	24,598,020
36	August	45,187	WED	8	18:00	"	24,411,907
37	September	44,669	WED	5	18:00	"	21,025,789
38	October	35,770	WED	10	18:00	"	20,339,179
39	November	35,597	WED	14	18:00	"	20,712,475
40	December	37,930	TUE	11	18:00	"	22,124,353
41						<b>TOTAL</b>	<b>265,006,065</b>

**TRANSMISSION LINE STATISTICS**

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Town Line	Beaverbrook Substation #80	115	Wood	0.060		3	795 MCM AL
2								
3								
4								
5								
6								
7								
8								
9								
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44								
45								
46								
47	<b>TOTALS</b>				<b>0.06</b>		<b>3</b>	

\* 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 or each sub-station, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, reflectors, 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	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	Substation # 80	Distribution	115kv	25kv		160,000	3	0			
2											
3											
4											
5											
6											
7											
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21											
22											
23											
24											
<b>TOTALS</b>						160,000	3	0			

**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	35.83		35.83
2	Added During Year	1.48		1.48
3	Retired During Year	(0.39)		(0.39)
4	Miles - End of Year	36.92		36.92
5				
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.....	7,331	7,547	1,580	271,225
17	Additions during year:				
18	Purchased.....		207	18	8,170
19	Installed.....	197		62	11,315
20	Associated with utility plant acquired.....				
21	<b>Total additions.....</b>	<b>197</b>	<b>207</b>	<b>62</b>	<b>11,315</b>
22	Reduction during year:				
23	Retirements.....	139	139	46	3,880
24	Associated with utility plant sold.....				
25	<b>Total reductions.....</b>	<b>139</b>	<b>139</b>	<b>46</b>	<b>3,880</b>
26	<b>Number at End of Year.....</b>	<b>7,389</b>	<b>7,615</b>	<b>1,596</b>	<b>278,660</b>
27	In Stock.....		226	162	34,025
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....		7,382		
31	In Companys' Use.....		7		
32	<b>Number at End of Year.....</b>		<b>7,615</b>	<b>1,758</b>	<b>312,685</b>

<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 and Types) (b)	Underground Cable		Submarine Cable
			Miles* (c)	Operating voltage (d)	Feet* (e)
1	1/0 Aluminum		63.34	25kv	
2	4/0 Aluminum		0.60	25kv	
3	500 MCM CU		6.28	25kv	
4	500 MCM AL		0.00	25kv	
5	750 MCM AL		0.00	25kv	
6					
7					
8					
9					
10					
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34					
<b>TOTALS</b>		0.0	70.22		

\*Indicate number of conductors per cable.

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	TYPE							
			Incandescent		Mercury Vapor		LED		Metal Halide	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Littleton	1,101			5	41	767	173	12	108
2	Boxborough	176				13	32	87		44
3										
4										
5										
6										
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51										
52	<b>TOTALS</b>	<b>1,277</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>54</b>	<b>799</b>	<b>260</b>	<b>12</b>	<b>152</b>



**RATE SCHEDULE INFORMATION**

1. Attach copies of all Filed Rates for General Consumers.
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenue predicted on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
9/1/2018	193	Distribution Adjustment Factor	\$ 450,000.00	
9/1/2018	194	Renewable Energy Credit		\$ 90,000.00
9/1/2018	410	Rate 10	*See 193 & 194	
9/1/2018	420	Rate 20	*See 193	
9/1/2018	430	Rate 30	*See 193	
9/1/2018	440	Rate 40	*See 193	
9/1/2018	450	Rate 50	*See 193	
9/1/2018	460	Rate 60	*See 193	

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

N/A

Mayor

DocuSigned by:

Nick Lawler

FF6F5BC810E1442...

Manager of Electric Light

DocuSigned by:

Bruce Trumbull

A14CA863C5F8402...

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

DocuSigned by:

[Signature]

794F508BFA34497...

DocuSigned by:

James Karr

0D2D607C996B4CF...