



The Commonwealth of Massachusetts

RETURN

OF THE

TOWN OF LITTLETON

TO THE

**DEPARTMENT OF
PUBLIC UTILITIES**

OF MASSACHUSETTS

For the Year Ended December 31,

2017

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:	Scott Edwards Georgetown, MA
4. Name and address of mayor or selectmen	Charles DeCoste, Littleton, MA Paul Glavey, Littleton, MA Joseph Knox, Littleton, MA Cynthia Napoli, Littleton, MA Chase Gerbig, Littleton, MA
5. Name and address of town (or city) treasurer:	Steve Venuti Littleton, MA
6. Name and address of town (or city) clerk:	Diane Crory Littleton, MA
7. Names and addresses of members of municipal light board:	Dick Taylor, Littleton, MA James Karr, Littleton, MA Ivan Pagacik, Littleton, MA Thomas Rauker, Littleton, MA 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:	\$190,050
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

INCOME FROM PRIVATE CONSUMERS:		
1	FROM SALES OF GAS.....	
2	FROM SALE OF ELECTRICITY	\$33,500,000.00
3	FROM RATE STABILIZATION FUND.....	\$1,250,000.00
4		
	TOTAL	\$34,750,000.00
5	Expenses:	
6	For operation, maintenance and repairs.....	\$33,792,620.00
7	For interest on bonds, notes or scrip.....	\$6,176.00
8	For depreciation fund (3% on \$ 39,232,137 as per page 8B).....	\$1,176,964.11
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	\$130,000.00
12	For loss in preceding year.....	
13		
	TOTAL	\$35,105,760.11
14		
15	Cost:	
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.....	636,500.00
19	Of electricity to be used for street lights.....	27,000.00
20	Total of the above items to be included in the tax levy.....	\$663,500.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$663,500.00

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	4,659
		BOXBOROUGH	2,672
		TOTAL	7,331

Annual Report of The Town of Littleton Electric Light Department	5 Year ended December 31, 2017
APPROPRIATIONS SINCE BEGINNING OF YEAR	
(Include also all items charged direct to tax levy, even where no appropriation is made or required.)	
FOR CONSTRUCTION OR PURCHASE OF PLANT:	
* At meeting 19	, to be paid from { \$ _____
* At meeting 19	, to be paid from { \$ _____
FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:	
1. Street Lights.....	\$ 27,000.00
2. Municipal Buildings.....	636,500.00
	\$ 663,500.00
*Date of meeting and whether regular or special { Here insert bonds, notes or tax levy	
CHANGES IN THE PROPERTY	
1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.	
In electric property:	
Continued upgrade of entire system	
In gas property:	

Annual Report of The Town of Littleton Electric Light Department										6	Year ended December 31, 2017
BONDS											
When Authorized*	Date of issue	Amount of Original Issue	(Issued on Account of Gas or Electric Lighting)		Rate	Interest When Payable	Amount Outstanding				
			Period of Payments	When Payable				Amounts	When Payable	Rate	Interest
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	130,000.00				
	Total	\$2,578,000.00					130,000.00				

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										
(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	Year ended December 31, 2017		
			Amounts	When Payable	Rate	When Payable				
			NONE							
TOTAL		\$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 (Continued)							88
									Year ended December 31, 2017
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)		
1	4. DISTRIBUTION PLANT								
2	360 Land and Land Rights	1,312,676					1,312,676		
3	361 Structures and Improvements	411,839					411,839		
4	362 Station Equipment	4,791,192	45,109				4,836,301		
5	363 Storage Battery Equipment	12,026	10,500				22,526		
6	364 Poles, Towers and Fixtures	1,991,213	159,294	(23,027)			2,127,480		
7	365 Overhead Conductors and Devices	3,339,804	5,700				3,345,505		
8	366 Underground Conduits	1,257,586	308,925				1,566,511		
9	367 Underground Conductors & Devices	2,504,975	32,686				2,537,661		
10	368 Line Transformers	3,843,766	368,287	(84,806)			4,127,247		
11	369 Services	902,298	38,261				940,560		
12	370 Meters	687,472	53,580	(8,395)			732,658		
13	371 Installation on Cust's Premises	213,329	1,965				215,294		
14	372 Leased Prop. on Cust's Premises								
15	373 Street Light and Signal Systems								
16	Total Distribution Plant	362,033	82,846				444,878		
17		21,630,210	1,107,153	(116,228)			22,621,136		
18	5. GENERAL PLANT								
18	389 Land and Land rights								
19	390 Structures and Improvements	8,516,317	3,829,865				12,346,183		
20	391 Office Furniture and Equipment	1,283,755	90,033				1,373,788		
21	392 Transportation Equipment	2,653,576	62,049	(210,404)			2,505,221		
22	393 Stores Equipment	22,835	138,639				161,474		
23	394 Tools, Shop and Garage Equipment	490,832	24,194	(15,000)			500,026		
24	395 Laboratory Equipment	320,257					320,257		
25	396 Power Operated Equipment	205,652					205,652		
26	397 Communication Equipment	401,601	9,465				411,066		
27	398 Miscellaneous Equipment	100,011					100,011		
28	399 Other Tangible Property								
29	Total General Plant	13,994,836	4,154,245	(225,404)			17,923,677		
30	Total Electric Plant in Service	35,625,047	5,261,398	(341,632)			40,544,813		
31									
32									
33									
34									
		TOTAL COST OF PLANT							
		Less Cost of Land, Land Rights, and Rights of Way							
		Total Cost upon which depreciation is based							
									1,312,676
									39,232,137

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		TOTAL COST OF PLANT - ELECTRIC (Continued)					8A
		Year ended December 31, 2017					
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	Total Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	3. Transmission Plant						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements.....						
24	353 Station Equipment.....						
25	354 Towers and Fixtures.....						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Devices.....						
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails.....						
31	Total Transmission Plant	0	0	0	0	0	0

Annual Report of The Town of Littleton Electric Light Department		Year ended December 31, 2017		
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	UTILITY PLANT			
2	101 Utility Plant -Electric.....	20,095,439	24,317,634	4,222,195
3	101 Utility Plant- Gas			
4	107 Construction in Process	2,020,952		(2,020,952)
5	Total Utility Plant.....	22,116,391	24,317,634	2,201,243
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	2,460,208	2,537,775	77,568
14	128 Other Special Funds.....	12,093,371	11,006,918	(1,086,453)
15	Total Funds.....	14,553,579	13,544,693	(1,008,886)
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	4,864,722	3,646,493	(1,218,230)
18	132 Special Deposits.....			
19	132 Working Funds.....	1,000	1,000	0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	2,313,668	2,699,189	385,522
22	143 Other Accounts Receivable.....	(25,731)	1,214,711	1,240,442
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	806,243	752,875	(53,369)
25				
26	165 Prepayments.....	479,601	421,171	(58,430)
27	174 Miscellaneous Current Assets			
28	Total Current and Accrued Assets...	8,439,504	8,735,438	295,934
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....			
33	Total Deferred Debits.....	0	0	0
34				
35	Total Assets and Other Debits.....	45,109,473	46,597,765	1,488,292

Annual Report of The Town of Littleton Electric Light Department		11 Year ended December 31, 2017		
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	APPROPRIATIONS			
2	201 Appropriations for Construction.....			
3	SURPLUS			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayment.....			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	41,741,424	43,274,260	1,532,836
8	Total Surplus.....	41,741,424	43,274,260	1,532,836
9	LONG TERM DEBT			
10	221 Bonds (P. 6).....	261,733	130,000	(131,733)
11	224 Other notes payable (P. 7)			
12	Total Bonds and Notes.....	261,733	130,000	(131,733)
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable.....	185,476	298,892	113,416
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....	101,000	145,300	44,300
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....			
19	242 Miscellaneous Current and Accrued Liabilities	2,535,309	2,421,029	(114,280)
20	Total Current and Accrued Liabilities...	2,821,785	2,865,221	43,436
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt.....			
23	252 Customer Advance for Construction.....			
24	253 Other Deferred Credits.....			
25	Total Deferred Credits	0	0	0
26	RESERVES			
27	260 Reserves for Uncollectable Accounts.....	3,507	47,260	43,753
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....	281,024	281,024	0
31	265 Miscellaneous Operating Reserves.....			
32	Total Reserves.....	284,531	328,284	43,753
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....			
35	Total Liabilities and Other Credits	45,109,473	46,597,765	1,488,292
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		Year ended December 31, 2017	
STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	OPERATING INCOME		
2	400 Operating Revenue (P. 37 and P. 43).....	30,816,296	(399,090)
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	28,320,721	698,599
5	402 Maintenance Expense (P. 42).....	797,416	(20,602)
6	403 Depreciation Expense.....	1,029,612	56,754
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	Total Operating Expenses.....	30,147,749	734,750
11	Operating Income.....	668,548	(1,133,840)
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income.....	668,548	(1,133,840)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	964,262	301,714
17	419 Interest Income.....	497,450	234,935
18	421 Miscellaneous Income.....	9,665	5,662
19	Total Other Income.....	1,471,377	542,312
20	Total Income.....	2,139,925	(591,529)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	Total Income Deductions.....		
25	Income before Interest Charges.....	2,139,925	(591,529)
26	INTEREST CHARGES		
27	427 Interest on Operations Bond	11,115	(11,427)
28	428 Amortization of Debt Discount and Expense.....		
29	429 Amortization of Premium on Debt.....		
30	431 Other Interest Expense.....	267	266
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	11,382	(11,161)
33	Net Income.....	2,128,543	(580,368)
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		41,741,424
35	Direct Charge to Surplus	958,274	
36	Earnings and Contributions to Restricted Equity for OPEB		1,258,184
37			
38	433 Balance transferred from Income.....		2,128,543
39	434 Miscellaneous Credits to Surplus.....		62,657
40	435 Miscellaneous Debits to Surplus.....	958,274	
41	436 Appropriations of Surplus (P.21).....		
42	437 Surplus Applied to Depreciation.....		
43	208 Unappropriated Earned Surplus (at end of period).....	43,274,260	
44	TOTALS	45,190,808	45,190,808

CASH BALANCES AT END OF YEAR		
Line No.	Items (a)	Amount (b)
1	Construction Fund.....	2,989,687
2	Rate Stabilization Fund.....	6,678,100
3	Pension Fund.....	1,072,495
4	Post Employment Benefits.....	2,253,322
5	Operating Cash.....	1,656,806
6	Working Funds.....	4,002
7		
8		
9		
10		
11		
12	TOTAL	14,654,410

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).....	752,875	
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	Total per Balance Sheet	752,875	

Depreciation Fund Account (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of Account at Beginning of Year.....	2,460,208
26	Income During Year from Balance on Deposit.....	77,568
27	Amount Transferred from Income.....	
28		
29	TOTAL	2,537,775
30	CREDITS	
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)	
32	Amounts Expended for Renewals.....	
33	Adjustment losses from investments	
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	2,537,775
40	TOTAL	2,537,775

Annual Report of The Town of Littleton Electric Light Department		UTILITY PLANT -- ELECTRIC					15	Year ended December 31, 2017
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	1. INTANGIBLE PLANT							
2								
3								
4								
5								
6	2. PRODUCTION PLANT							
7	A. Steam Production							
8	310 Land and Land Rights							
9	311 Structures and Improvements							
10	312 Boiler Plant Equipment							
11	313 Engines and Engine Driven Generators							
12	314 Turbogenerator Units							
13	315 Accessory Electric Equipment							
14	316 Miscellaneous Power Plant Equipment							
15	Total Steam Production Plant							
16	B. Nuclear Production Plant							
17	320 Land and Land Rights							
18	321 Structures and Improvements							
19	322 Reactor Plant Equipment							
20	323 Turbogenerator Units							
21	324 Accessory Electric Equipment							
22	325 Miscellaneous Power Plant Equipment							
23	Total Nuclear Production Plant							

Annual Report of The Town of Littleton Electric Light Department		UTILITY PLANT - ELECTRIC (continued)					16
		Year ended December 31, 2017					
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	c. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant						
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant						
19	Total Production Plant						
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way..						
23	352 Structures and Improvements..						
24	353 Station Equipment.....						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Device..						
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	Total Transmission Plant	0					0

Annual Report of The Town of Littleton Electric Light Department		UTILITY PLANT - ELECTRIC (continued)						17
		Year ended December 31, 2017						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)	
4. DISTRIBUTION PLANT								
1	360 Land and Land Rights.....	1,312,676					1,312,675.99	
2	361 Structures and Improvements.....	116,232		(11,409)			104,822.89	
3	362 Station Equipment.....	2,432,730	45,109	(132,766)			2,345,073.37	
4	363 Storage Battery Equipment.....	10,159	10,500	(333)			20,325.80	
5	364 Poles and Fixtures.....	1,312,266	159,294	(55,161)			1,416,399.49	
6	365 Overhead Conductors and Devices.....	1,373,396	5,700	(92,519)			1,286,577.19	
7	366 Underground Conductors and Devices.....	767,510	308,925	(34,838)			1,041,597.27	
8	367 Underground Conductors and Devices.....	1,505,340	32,686	(69,393)			1,468,633.48	
9	368 Line Transformers.....	2,305,892	368,287	(106,480)			2,567,698.57	
10	369 Services.....	270,834	38,261	(24,996)			284,099.84	
11	370 Meters.....	589,228	53,580	(19,044)			623,763.98	
12	371 Installation on Cust's Premises.....	69,395	1,965	(5,910)			65,450.13	
13	372 Leased Prop. on Cust's Premises.....							
14	373 Street Light and Signal Systems.....							
15	Total Distribution Plant	230,344	82,846	(10,029)	0	0	303,160.53	
16		12,296,002	1,107,153	(562,877)	0	0	12,840,279	
5. GENERAL PLANT								
17	389 Land and Land Rights.....							
18	390 Structures and Improvements.....	5,348,760	3,829,865	(235,920)			8,942,705.40	
19	391 Office Furniture and Equipment.....	748,424	90,033	(35,563)			802,894.09	
20	392 Transportation Equipment.....	902,910	62,049	(152,558)	(9,585)		802,815.73	
21	393 Stores Equipment.....	14,588	138,639	(633)			152,594.55	
22	394 Tools, Shop and Garage Equipment.....	237,872	24,194	(13,597)			248,468.55	
23	395 Laboratory Equipment.....	221,630	0	(8,872)			212,758.37	
24	396 Power Operated Equipment.....	10,580	0	(5,697)			4,882.96	
25	397 Communication Equipment.....	251,053	9,465	(11,125)			249,393.17	
26	398 Miscellaneous Equipment.....	63,613	0	(2,771)			60,842.83	
27	399 Other Tangible Property.....							
28	Total General Plant	7,799,431	4,154,245	(466,735)	(9,585)	0	11,477,356	
29	Total Electric Plant in Service	20,095,433	5,261,398	(1,029,612)	(9,585)	0	24,317,634	
30	104 Utility Plant leased to Others.....							
31	105 Property Held for Future Use.....							
32	107 Construction Work in Progress.....	2,020,952				(2,020,952)	0	
33	108 Accumulated Depreciation							
34	Total Utility Electric Plant	22,116,384	5,261,398	(1,029,612)	(9,585)	(2,020,952)	24,317,634	

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

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of year					
2	Received During Year					
3	TOTAL					
4	Used During Year (Note A)					
5						
6	NONE					
7						
8						
9						
10	Sold or Transferred					
11						
12	TOTAL DISPOSED OF					
13	BALANCE END OF YEAR					
Line No.	Item (g)	Kinds of Fuel and Oil -- Continued				
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)	
14						
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, 2017
MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	GAIN ON SALE OF VEHICLES	\$9,664.90
2		
3		
4		
5		
6	TOTAL	\$9,664.90
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	\$0.00
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	PAYMENT IN LIEU OF TAXES	\$672,556.00
25	A & G EXPENSE FOR TOWN WATER DEPT	\$285,719.00
26		
27		
28		
29		
30		
31		
32	TOTAL	\$958,274.00
APPROPRIATIONS OF SURPLUS (Account 436)		
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					22	
					Year ended December 31, 2017	
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.		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)	5,620,159	646,802	0.1151	
7						
8		TOTALS				
9		Street Lighting	250,387	25,289	0.1010	
10						
11		TOTALS				
12						
13						
14						
15		TOTALS	5,870,546	\$672,090.73	0.1145	
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	7,396,527	\$537,114	0.0726
21		Nextera	substation	23,360,000	\$1,223,643	0.0524
22		Power Authority of New York	Littleton, MA	7,083,331	\$34,850	0.0049
23		Wyman (MMWEC)	115 KV	153,307	\$13,828	0.0902
24		Intermediate (MMWEC)		1,347,417	\$78,562	0.0583
25		Peaking (MMWEC)		99,765	\$23,851	0.2391
27		Mix 1 (MMWEC)		3,018,233	\$19,998	0.0066
28		Mix 3 (MMWEC)		2,475,955	\$16,568	0.0067
29		Mix 4 (MMWEC)		9,618,380	\$58,107	0.0060
30		Mix 5 (MMWEC)		1,014,807	\$6,118	0.0060
31		Benton Falls Hydro		6,723,485	\$490,814	0.0730
32		A&D Hydro		4,886,354	\$466,138	0.0954
33		BP Energy		178,414,700	\$8,616,645	0.0483
34		Canton Mountain Wind		1,394,384	\$131,342	0.0942
35		Saddleback Ridge		7,154,515	\$614,930	0.0859
36		Ice House Partners		795,010	\$55,651	0.0700
38		NextSun Energy		5,480,805	\$562,859	0.1027
39		Old Wardour Holdings		694,512	\$42,982	0.0619
41		Vuelta Solar		694,512	\$42,982	0.0619
42		Messalonskee Stream Hydro		21,300,131	\$1,123,763	0.0528
44		Misc Cash Adjustment / Refunds			(\$71,480)	
45						
47		TOTALS		283,106,130	\$14,089,264	0.0498
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)	
1	SALES OF ELECTRICITY							
2	440 Residential Sales.....	\$7,078,381.33	\$280,749.37	62,684,137	422,376	6,380	358	
3	442 Commercial and Industrial Sales:							
4	Small (or Commercial) see instr. 5.....	\$1,862,342.49	\$179,521.72	15,361,364	1,172,154	614	42	
5	Large (or Industrial) see instr. 5.....	\$20,742,036.62	(\$1,195,433.46)	188,499,232	(17,071,711)	88	8	
6	444 Municipal Sales (P.22)	\$672,090.73	(\$89,797.67)	5,870,546	(332,254)	70	3	
7	445 Other Sales to Public Authorities.....							
8	446 Sales to Railroads and Railways.....							
9	448 Interdepartmental Sales.....	\$102,694.36	(\$1,004.47)	597,020	(3,817)			
10	449 Miscellaneous Electric Sales.....							
11	Total Sales to Ultimate Consumers.....	\$30,457,545.53	(\$825,964.51)	273,012,299	(15,813,252)	7,151	410	
12	447 Sales for Resale.....							
13	Total Sales of Electricity*.....	\$30,457,545.53	(\$825,964.51)	273,012,299	(15,813,252)	7,151	410	
14	OTHER OPERATING REVENUES							
15	450 Forfeited Discounts.....	\$27,345.46	(\$7,171.80)					
16	451 Miscellaneous Service Revenues.....	\$83,980.00	\$1,942.50					
17	453 Sales of Water and Water Power.....							
18	454 Rent from Electric Property.....	\$104,464.00	(\$732.00)					
19	455 Interdepartmental Rents.....							
20	456 Other Electric Revenues.....	\$142,961.39	\$129,875.07					
21	458 Federal/State Emergency Reimbursements	\$0.00	(\$4,197.03)					
22	Miscellaneous Adjustments to Sales							
23								
24								
25	Total Other Operating Revenues.....	\$358,750.85	\$119,716.74					
26	Total Electric Operating Revenues.	\$30,816,296.38	(\$706,247.77)					

Annual Report of The Town of Littleton Electric Light Department						38 Year ended December 31, 2017	
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	62,684,137	7,078,381.33	0.1129	6,219	6,540
2	442-2	Commercial / Industrial SM	15,361,364	1,862,342.49	0.1212	598	629
3	442-3	Commercial / Industrial Power	14,702,124	1,938,639.23	0.1319	54	58
4	442-4	Commercial / Industrial Large	173,797,108	18,803,397.39	0.1082	31	33
5	445	Municipal	5,870,546	672,090.73	0.1145	69	71
6	449	Private Area Lighting	597,020	102,694.36	0.1720		
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE CONSUMERS						
49	(Page 37 Line 11)		273,012,299	30,457,546	0.1116	6,971	7,331

Annual Report of The Town of Littleton Electric Light Department		Year ended December 31, 2017	
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	POWER PRODUCTION EXPENSE		
2	STEAM POWER GENERATION		
3	Operation:		
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	Total Operation		
13	Maintenance:		
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	Total Maintenance		
20	Total power production expenses -- steam power		
21	NUCLEAR POWER GENERATION		
22	Operation:		
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	Total Operation		
33	Maintenance:		
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	Total Maintenance		
40	Total power production expenses -- nuclear power		
41	HYDRAULIC POWER GENERATION		
42	Operation:		
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	Total Operation		

(continued on page 40)

Annual Report of The Town of Littleton Electric Light Department		40 Year ended December 31, 2017	
ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - CONTINUED		
2	Maintenance:		
3	541 Maintenance Supervision and Engineering.....		
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	Total Maintenance		
9	Total Power Production Expenses - Hydraulic Power		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation		
18	Maintenance:		
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	Total Maintenance		
24	Total Power Production Expenses - Other Power		
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power.....	\$14,089,264	\$610,779
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	\$5,134,234	\$749,434
29	Total Other Power Supply Expenses	\$19,223,498	\$1,360,213
30	Total Power Production Expenses	\$19,223,498	\$1,360,213
31	TRANSMISSION EXPENSES		
32	Operation:		
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.....	\$4,574,078	\$61,237
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	\$4,574,078	\$61,237
42	Maintenance:		
43	568 Maintenance Supervision and Engineering.....		
44	569 Maintenance of Structures.....		
45	570 Maintenance of Station Equipment.....		
46	571 Maintenance of Overhead Lines.....		
47	572 Maintenance of Underground Lines.....		
48	573 Maintenance of Miscellaneous Transmission Plant.....		
49	Total Maintenance		
50	Total Transmission Expenses	\$4,574,078	\$61,237

Annual Report of The Town of Littleton Electric Light Department		41 Year ended December 31, 2017	
ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation Supervision and Engineering.....	491,287	116,368
4	581 Load Dispatching.....	29,948	(30,859)
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.....	124,403	8,313
10	587 Customer Installations Expenses.....		
11	588 Miscellaneous Distribution Expenses.....	379,641	(98,681)
12	589 Rents.....		
13	Total Operation	1,025,278	(4,859)
14	Maintenance:		
15	590 Maintenance supervision and engineering.....		
16	591 Maintenance of Structures.....		
17	592 Maintenance of Station Equipment.....	4,702	1,506
18	593 Maintenance of Overhead Lines.....	342,522	(44,266)
19	594 Maintenance of Underground Lines.....	113,631	23,838
20	595 Maintenance of Line Transformers.....		
21	596 Maintenance of Street Lighting and Signal Systems....	3,092	(9,139)
22	597 Maintenance of Meters.....		
23	598 Maintenance of Miscellaneous Distribution Plant.....	352	(473)
24	Total Maintenance	464,299	(28,533)
25	Total Distribution Expenses	1,489,576	(33,392)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....	249,285	24,872
29	902 Meter Reading Expenses.....	78,733	4,226
30	903 Customer Records and Collection Expenses.....	89,418	(6,288)
31	904 Uncollectable Accounts.....	30,000	18,000
32	905 Miscellaneous Customer Accounts Expenses.....		
33	Total Customer Accounts Expenses	447,435.18	40,810
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....	41,718	23,531
38	913 Advertising Expenses.....	4,683	(19,898)
39	916 Miscellaneous Sales Expense.....		
40	Total Sales Expenses	46,401.24	3,633
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Salaries.....	161,949	(38,910)
44	921 Office Supplies and Expenses.....	265,498	(30,735)
45	922 Administrative Expenses Transferred - Cr.....		
46	923 Outside Services Employed.....	1,000,241	39,143
47	924 Property Insurance.....	9,144	3,286
48	925 Injuries and Damages.....	52,262	1,313
49	926 Employees Pensions and Benefits.....	1,460,656	66,091
50	928 Regulatory Commission Expenses.....	0	0
51	929 Duplicate Charges - Cr.....		
52	930 Miscellaneous General Expenses.....	54,281	20,483
53	931 Rents.....		
54	Total Operation	3,004,030.61	60,671

ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE EXPENSES		
2	Maintenance:		
3	932.Maintenance of General Plant.....	126,610	7,886
4	933 Transportation expense.....	208,507	(35,342)
5	Total Maintenance	333,117	(27,456)
6	Total Administrative and General Expenses	3,337,148	33,215
7	Total Electric Operation and Maintenance Expenses	29,118,137	1,465,716

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.....	19,223,498		19,223,498
15	Total Power Production Expenses	19,223,498		19,223,498
16	Transmission Expenses.....	4,574,078		4,574,078
17	Distribution Expenses.....	1,025,278	464,299	1,489,576
18	Customer Accounts Expenses.....	447,435		447,435
19	Sales Expenses.....	46,401		46,401
20	Administrative and General Expenses.....	3,004,031	333,117	3,337,148
21	Support Expense Transfer			
22	Total Electric Operation and Maintenance Expenses	28,320,721	797,416	29,118,137

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).....	97.83%
24 Total salaries and wages of electric department for year, including amounts charged to oper- ating expenses, construction and other accounts.....	\$3,070,463.00
25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	25

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2017

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,	\$7,379.82			\$7,379.82
3	allowances and returns.....				
4	Contract Work.....	\$1,713,629.94			\$1,713,629.94
5	Commissions.....				
6	Other (List according to major classes)				
7	Administrative Support.....				\$0.00
8					
9					
10	Total Revenues.....	\$1,721,009.76	\$0.00	\$0.00	\$1,721,009.76
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16					
17	Labor	\$678,190.60			\$678,190.60
18	Materials	\$13,192.87			\$13,192.87
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.....	\$65,363.81			\$65,363.81
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	\$756,747.28	\$0.00	\$0.00	\$756,747.28
51	Net Profit (or Loss)	\$964,262.48	\$0.00	\$0.00	\$964,262.48

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					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

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								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

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
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
TOTALS		0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000	35

PURCHASED POWER (Account 555) - Continued

(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.
 5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in 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 (l) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

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

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

Type of Demand Reading (f)	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		\$1,223,643		\$1,223,643	0.0524	1
60 Minutes	115KV	7,083,331		\$34,850		\$34,850	0.0049	2
60 Minutes	115KV	153,307		\$13,828		\$13,828	0.0902	3
60 Minutes	115KV	1,347,417		\$78,562		\$78,562	0.0583	4
60 Minutes	115KV	99,765		\$23,851		\$23,851	0.2391	5
60 Minutes	115KV	3,018,233		\$19,998		\$19,998	0.0066	6
60 Minutes	115KV	2,475,955		\$16,568		\$16,568	0.0067	7
60 Minutes	115KV	9,618,380		\$58,107		\$58,107	0.0060	8
60 Minutes	115KV	1,014,807		\$6,118		\$6,118	0.0060	9
60 Minutes	115KV	6,723,485		\$490,814		\$490,814	0.0730	10
60 Minutes	115KV	4,886,354		\$466,138		\$466,138	0.0954	11
60 Minutes	115KV	178,414,700		\$8,616,645		\$8,616,645	0.0483	12
60 Minutes	115KV	1,394,384		\$131,342		\$131,342	0.0942	13
60 Minutes	115KV	7,154,515		\$614,930		\$614,930	0.0859	14
60 Minutes	115KV	795,010		\$55,651		\$55,651	0.0700	15
60 Minutes	115KV	5,480,805		\$562,859		\$562,859	0.1027	16
60 Minutes	115KV	694,512		\$42,982		\$42,982	0.0619	17
60 Minutes	115KV	694,512		\$42,982		\$42,982	0.0619	18
60 Minutes	115KV	21,300,131		\$1,123,763		\$1,123,763	0.0528	19
		0		(\$71,480)		(\$71,480)	#DIV/0!	20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
TOTALS		275,709,603	\$0	\$13,552,150	\$0	\$13,552,150	0.0492	37

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

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	ISO NEW ENGLAND		LITTLETON	115kv	283,106,130	275,709,603	7,396,527	\$8,549,405.00
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12			TOTALS		283,106,130	275,709,603	7,396,527	8,549,405

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NEW ENGLAND	ENERGY EXPENSE	537,114
14		FMC SETTLEMENT	4,747,651
15		NEPOOL EXPENSE	3,264,640
16			
17			
18			
19			
20			
21		TOTALS	8,549,405

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)
SOURCES OF ENERGY		
1	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	0
8	Purchases.....	275,709,603
9	{ In (gross).....	275,709,603
10	Interchanges..... { Out (gross).....	283,106,130
11	{ Net (Kwh).....	7,396,527
12	{ Received.....	
13	Transmission for/by others (Wh)..... { Delivered.....	
14	{ Net (kwh).....	
15	TOTAL	283,106,130
DISPOSITION OF ENERGY		
17	Sales to ultimate consumers (including interdepartmental sales).....	273,012,299
18	Sales for resale.....	
19	Energy furnished without charge.....	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	1,018,844
22	Energy losses:	
23	Transmission and conversion losses.....	
24	Distribution losses.....	9,074,987
25	Unaccounted for losses.....	
26	Total energy losses.....	9,074,987
27	Energy losses as percent of total on line 15..... 3.21%	
28	TOTAL	283,106,130

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 mission or wheeling. Total for the year should agree with line 15 above. 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 trans-
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	43,920	MON	9	8:00	60 min	25,603,959
30	February	40,723	FRI	10	8:00	"	22,463,293
31	March	40,579	MON	13	8:00	"	24,416,593
32	April	36,806	THU	6	9:00	"	21,884,963
33	May	44,669	THU	18	18:00	"	22,662,496
34	June	47,894	TUE	13	17:00	"	23,557,156
35	July	54,801	MON	17	17:00	"	26,682,214
36	August	43,488	WED	2	14:00	"	25,423,774
37	September	43,373	MON	25	18:00	"	22,250,857
38	October	37,354	MON	9	18:00	"	21,771,189
39	November	37,440	MON	13	18:00	"	21,709,662
40	December	41,846	THU	16	18:00	"	24,679,974
41	TOTAL						283,106,130

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								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	TOTALS				0.06		3	

* Where other than 60 cycle, 3 phase, so indicate.

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
 3. Substations with capacities of less than 5000 Kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (f), (g), and (h) 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.

VOLTAGE

Line No.	Name and Location of Substation	Character of Substation	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											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
TOTALS						160,000	3	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	31.59		31.59
2	Added During Year	4.63		4.63
3	Retired During Year	(0.38)		(0.38)
4	Miles - End of Year	35.83		35.83
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.....	6,971	7,476	1,514	162,207
17	Additions during year:				
18	Purchased.....		155	94	14,713
19	Installed.....	444		102	113,298
20	Associated with utility plant acquired.....				
21	Total additions.....	444	155	102	113,298
22	Reduction during year:				
23	Retirements.....	84	84	36	4,280
24	Associated with utility plant sold.....				
25	Total reductions.....	84	84	36	4,280
26	Number at End of Year.....	7,331	7,547	1,580	271,225
27	In Stock.....		209	150	31,973
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....		7,331		
31	In Companys' Use.....		7		
32	Number at End of Year.....		7,547	1,730	303,198

Annual Report of The Town of Littleton Electric Light Department		CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE -- (Distribution System)				70
		Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.				Year ended December 31, 2017
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)	Operating Voltage (f)
1	1/0 Aluminum		60.12	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						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
TOTALS		0.0				
			#NAME?			

*Indicate number of conductors per cable.

Annual Report of The Town of Littleton Electric Light Department										71
										Year ended December 31, 2017
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	1,054				48	769	115	13	109
2	Boxborough	175				30	39	35		71
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	1,229	0	0	0	78	808	150	13	180

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
		N/A		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

N/A

Mayor

DocuSigned by:

Scott Edwards

B22FCF3B961F47E...

Manager of Electric Light

Selectmen
or
Members
of the
Municipal
Light
Board

DocuSigned by:

[Signature]

794F508BFA34497...

DocuSigned by:

James Karr

0D2D607C998B4CF...

DocuSigned by:

Tom Rauker

96389F1DAED24EB...