The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of the Town of Sterling

to the

The Commonwealth of Massachusetts Department of Public Utilities

For the Year ended December 31,

2018

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

Official title:

General Manager Sean Hamilton Office address:

50 Main Street

Sterling, MA 01564

Form AC-19



The Board of Commissioners Sterling Municipal Light Department Sterling, Massachusetts 01564

Management is responsible for the accompanying financial statements of Sterling Municipal Light Department, which comprise the balance sheet as of December 31, 2018, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

The financial statements included in the accompanying prescribed form are intended to comply with the requirements of the Massachusetts Department of Public Utilities, and are not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

Goulet, Salvidio & Associates P.C.

Loulet Salvidio & associates P.C.

Worcester, Massachusetts

June 11, 2019

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	G	ENERAL INFORM	MATION	Page 3
1.	Name of town (or city) ma	king report.		STERLING
2.	chapter 164 of the Ger Record of votes: First vote	s or electric. used, if so acquired. uplant in accordance with the	nd vote: Yes,144; No,50	ELECTRIC 01/28/1911
3.	Name and address of ma	nager of municipal lighting:		
	SEAN HAMILTON	50 MAIN STREET	STERLING, MA 01564	
4.	Name and address of ma	yor or selectmen:		
	JOHN. F. KILCOYNE MAUREEN CRANSON RICHARD LANE	1 PARK STREET 1 PARK STREET 1 PARK STREET	STERLING, MA 01564 STERLING, MA 01564 STERLING, MA 01564	
5.	Name and address of tow	n (or city) treasurer:		
	VICTORIA SMITH	1 PARK STREET	STERLING, MA 01564	
6.	Name and address of tow	n (or city) clerk:		
	BARBARA BARTLETT	1 PARK STREET	STERLING, MA 01564	
7.	Names and addresses of	members of municipal light	board:	
	JOSEPH CURTIN BRIAN PIERCE ERIC DARLINGTON	50 MAIN STREET 50 MAIN STREET 50 MAIN STREET	STERLING, MA 01564 STERLING, MA 01564 STERLING, MA 01564	
8.	Total valuation of estates (taxable)	in town (or city) according t	to last State valuation	\$1,057,836,728
9.	Tax rate for all purposes of	during the year:		\$17.54
10.	Amount of manager's sala	ary:	General Manager	\$154,735
11.	Amount of manager's bon	d:		\$10,000
12.	Amount of salary sequest	ered yearly for members of	municipal light board (each):	\$1,500

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR, ENDING DECEMBER 31, NEXT. Amount **INCOME FROM PRIVATE CONSUMERS:** 1 From sales of gas \$0 From sales of electricity \$8,651,000 **TOTAL** \$8,651,000 5 EXPENSES \$7,266,000 6 For operation, maintenance and repairs 7 For interest on bonds, notes or scrip \$0 8 For depreciation fund (\$631,736 21,057,866 as per page 8B) 9 For sinking fund requirements \$0 10 For note payments \$0 11 For bond payments \$0 12 For loss in preceding year \$0 **TOTAL** \$7,897,736 13 14 15 **COST**: 16 Of gas to be used for municipal buildings \$0 17 Of gas to be used for street lights \$0 18 Of electricity to be used for municipal buildings * \$261,784 19 Of electricity to be used for street lights \$25,363 Total of above items to be included in the tax levy \$287,147 20 21 22 New construction to be included in the tax levy Total amounts to be included in the tax levy \$287,147 **CUSTOMERS** Names of cities or towns in which the plant Names of cities or towns in which the plant supplies supplies GAS, with the number of customers' ELECTRICITY, with the number of customers' meters in each. meters in each. Number Number City or Town of Customers' City or Town of Customers' Meters, Dec. 31 Meters, Dec. 31 Sterling 3,835 0 **TOTAL TOTAL** 3,835

^{*} Excludes Sterling Municipal Light Department building expenses which are in the operation, maintenance and repairs

APPROPRIATIONS SINCE BEGINNING OF YEAR

(Include also all items charge direct to tax levy, even where no appropriation is made or required.)

FOR CONSTRUCTION OR PURCHASE OF PLANT

*At meeting , to be paid from **

*At meeting , to be paid from **

TOTAL \$0

FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY

TO BE USED BY THE CITY OR TOWN FOR:

1. Street lights

\$25,363

2. Municipal buildings

\$261,784

\$0

3.

TOTAL \$287,147

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:

Upgrades to the following streets of either 3phase Hendrix, 1/0 tree wire, secondary cable, 1/0 neutral or transformers have been performed on: Princeton Rd, Shamrock Way, Research Dr and Swett Hill Rd

- 1 7 New Electrical Services
- 2 80 Pole Installations
- 3 69 Pole Removals
- 4 Installed 25,650' of new 3 phase and single primary cable
- 5 Removed 27,530' of single primary copper cable
- 6 Installed 3,885' of new Primary Underground Cable
- 7 Installed 3,755' of New Secondary Wire
- 8 Replaced 3 sets of Underslung Disconnects with Gang-Operated Air-Brakes
- 9 Fully Converted All Town of Sterling and Private Streetlights to 53W LEDs
- 10 Replaced All Town of Sterling Floodlights to 85W LEDs
- 11 Installed New System Protection Recloser on P.48-1 Chocksett Rd
- 12 Tied New 1MW Community Solar to SMLD Distribution System on Chocksett Rd
- 13 Tied New 1MW / 2MWhrs Battery Storage to SMLD Distribution System on Chocksett Rd
- 14 Installed 42 New Meters
- 15 Swapped out 246 Junk Meters
- 16 Installed 10 New Transformers (4) Three Phase and (6) Single Phase
- 17 Sold 38 Junk Transformers
- 18 Retired 5 Junk Transformers to be sold later
- 19 Removed (1) Primary Metering Location and changed to Donut Type CT Metering
- 20 Continued changing out porcelain cut-outs throughout the distribution system
- 21 Continue changing out steel three position bracket for fiberglass brackets throughout the distribution system
- 22 Installed 30 New Polymer Greenjacket Expansion Joint Wildlife Guards at Substation
- 23 Purchased 2018 F-150 pickup truck
- 24 Continued tree trimming program

In gas property: Not applicable

Bonds (Issued on Account of Gas or Electric Lighting.)

		Amount of	Period of Payr	ments		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
Voted May 1988 * (Regular Meeting)	May 15, 1989	\$1,750,000					
	TOTAL	\$1,750,000				TOTAL	\$0

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

^{*} Date of meeting and whether regular or special

^{**} List original issues of bonds and notes including those that have been repaid

Town Notes

(Issued on Account of Gas or Electric Lighting.)

		Amount of	Period of Payr	ments		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
11/26/1910	06/11/1911	\$3,000					
01/28/1911	08/01/1911	\$3,000					
10/31/1912	12/12/1912	\$2,500					
04/04/1912	05/19/1912	\$2,000					
040/4/1912	06/02/1913	\$1,200					
050/3/1914	08/15/1914	\$900					
05/13/1915	05/27/1915	\$5,500					
12/07/1915	12/27/1915	\$1,200					
02/04/1918	05/20/1918	\$3,900					
10/21/1918	10/24/1918	\$1,000					
02/02/1920	09/29/1920	\$2,500					
02/27/1921	05/19/1921	\$1,000					
04/08/1922	07/14/1922	\$1,800					
02/05/1923	10/15/1923	\$6,000					
02/05/1924	08/28/1924	\$1,500					
10/27/1927	10/25/1927	\$1,000					
	TOTAL	\$38,000				TOTAL	\$0

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

^{*} Date of meeting and whether regular or special

^{**} List original issues of bonds and notes including those that have been repaid

- Report below the cost of utility plant in service according to prescribed accounts
- Do not include as adjustments, corrections of additions and retirements for the current or the

TOTAL COST OF PLANT - ELECTRIC

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).

addi	itions and retirements for the current or the	enclosed in parenthes	ses to indicate th	e negative			
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT		(0)	(4)	(0)	(-)	(9)
2							
3							
4		\$0	\$0	\$0	\$0	\$0	\$0
5	2. PRODUCTION PLANT	·		·	·		·
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment			NONE			
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0
	Total Nuclear Production Plant	J \$0]	\$ 0	ı \$U	1 \$0	\$ 0	\$ U

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line	Account	Balance Beginning of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways				NONE		
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
19	Total Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	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 Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	\$0	\$0	\$0	\$0	\$0	\$0

		TOTAL COST OF PL	ANT (Concluded	<u>(k</u>			
Line		Balance					Balance
No.	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	197,008	0	0	0	0	197,008
3	361 Structures and Improvements	2,685,487	25,489	0			2,710,976
4	362 Station Equipment	631,614	359,792	125,000			866,406
5	363 Storage Battery Equipment	2,488,420	0	0			2,488,420
6	364 Poles Towers and Fixtures	1,759,561	116,531	21,155			1,854,937
7	365 Overhead Conductors and Devices	3,376,520	125,509	29,798			3,472,231
8	366 Underground Conduit	580,764	0	0			580,764
9	367 Underground Conductors and Devices	1,566,280	67,648	107			1,633,821
10	368 Line Transformers	1,546,065	58,929	36,745			1,568,249
11	369 Services	399,188	167	316			399,039
12	370 Meters	1,066,879	53,652	0			1,120,531
13	371 Installations on Customer's Premises	70,574	24,455	5,415			89,614
14	372 Leased Prop on Customer's Premises	0	0	0			0
15	373 Streetlight and Signal Systems	266,655	16,300	3,029			279,926
16	Total Distribution Plant	16,635,015	848,472	221,565	0	0	17,261,922
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0			0
19	390 Structures and Improvements	784,272	59,968	0			844,240
20	391 Office Furniture and Equipment	468,429	0	0			468,429
21	392 Transportation Equipment	1,288,502	44,235	44,105			1,288,632
22	393 Stores Equipment	0	0	0			0
23	394 Tools, Shop and Garage Equipment	218,572	3,526	3,670			218,428
24	395 Laboratory Equipment	85,790	0	0			85,790
25	396 Power Operated Equipment	90,332	24,950	0			115,282
26	397 Communication Equipment	193,536	141,807	0			335,343
27	398 Miscellaneous Equipment	361,512	1,999	1,710			361,801
28	399 Other Tangible Property	257,235	17,772	0			275,007
29	Total General Plant	3,748,180	294,257	49,485	0	0	3,992,952
30	Total Electric Plant in Service	20,383,195	1,142,729	271,050	0	0	21,254,874
31					Total Cost of Elect	tric Plant	\$ 21,254,874
33				Less Cost of Land	l, Land Rights, Rig	hts of Way	\$ 197,008
34				Total Cost upon w	hich Depreciation	is based	\$ 21,057,866

COMPARATIVE BALANCE SHEET Assets and Other Debits **Balance** Balance Increase Line Title of Account Beginning End or No. (a) of Year of Year (Decrease) (b) (d) (c) **UTILITY PLANT** 101 Utility Plant - Electric (P. 17) \$12,823,391 \$13,360,534 \$537,143 101 Utility Plant - Gas (P. 20) \$0 \$0 4 107 Construction Work in Progress 405,714 (\$351,316)\$54,398 5 **Total Utility Plant** \$13,229,105 \$13,414,932 \$185,827 6 7 8 9 10 11 **FUND ACCOUNTS** 12 125 Sinking Funds \$0 \$0 \$0 13 \$641,384 \$307,747 126 Depreciation Fund (P. 14) \$949,131 14 128 Other Special Funds \$897,589 \$2,142,686 \$1,245,097 15 **Total Funds** \$1,538,973 \$3,091,817 \$1,552,844 16 **CURRENT AND ACCRUED ASSETS** 17 131 Cash (P. 14) \$471,098 \$644,247 \$1,115,345 132 Special Deposits 18 \$238,713 \$247,275 \$8,562 19 135 Working Funds \$2,200 \$2,200 \$0 20 141 Notes Receivable \$0 \$0 \$0 21 142 Customer Accounts Receivable 394,413 450,085 \$55,672 22 143 Other Accounts Receivable \$2,064,833 \$142,264 (\$1,922,569)23 146 Receivables from Municipality \$0 \$0 \$0 151 Materials and Supplies (P. 14) (\$69,511)24 \$393,564 \$324,053 25 165 Prepayments \$1,413,536 \$1,506,774 \$93,238 26 27 174 Miscellaneous Current Assets \$0 \$0 \$0 \$4,978,357 \$3,787,996 (\$1,190,361)28 **Total Current and Accrued Assets** 29 **DEFERRED DEBITS** 30 181 Unamortized Debt Discount \$0 \$0 \$0 31 182 Extraordinary Property Losses \$0 \$0 \$0 185 Other Deferred Debits \$54,235 32 \$615,822 \$670,057 \$670,057 33 **Total Deferred Debits** \$615,822 \$54,235 34 35 Total Assets and Other Debits \$20,362,257 \$20,964,802 \$602,545

COMPARATIVE BALANCE SHEET Liabilities and Other Credits Balance Balance Increase Line Title of Account Beginning End or of Year (Decrease) No. of Year (a) (b) (c) (d) **APPROPRIATIONS** 1 2 201 Appropriations for Construction \$0 \$0 \$0 3 **SURPLUS** 4 205 Sinking Fund Reserves \$0 \$0 \$0 5 \$0 \$0 206 Loans Repayment \$0 6 207 Appropriations for Construction Repayments \$0 \$0 \$0 7 208 Unappropriated Earned Surplus (P. 12) \$12,935,440 \$13,520,821 \$585,381 8 **Total Surplus** \$12,935,440 \$13,520,821 \$585,381 9 **LONG TERM DEBT** 221 Bonds (P. 6) \$0 10 \$0 \$0 231 Notes Payable (P. 7) \$0 \$0 \$0 11 12 **Total Bonds and Notes** \$0 \$0 \$0 13 **CURRENT AND ACCRUED LIABILITIES** 14 232 Accounts Payable \$1,064,069 \$827,937 (\$236,132)(\$6,374)234 Payables to Municipality (Accrued wages) 15 \$11,627 \$5,253 235 Customers' Deposits \$6,050 16 \$240,625 \$246,675 236 Taxes Accrued 17 \$0 \$0 \$0 18 246 Capital Lease \$0 \$0 \$0 \$0 \$0 19 242 Miscellaneous Current and Accrued Liabilities \$0 \$1,316,321 \$1,079,865 (\$236,456) 20 **Total Current and Accrued Liabilities** 21 **DEFERRED CREDITS** 22 251 Unamortized Premium on Debt \$0 \$0 \$0 23 252 Customer Advances for Construction \$34,729 (\$221,467)\$256,196 24 253 Other Deferred Credits \$85,924 \$314,691 \$228,767 25 **Total Deferred Credits** \$342,120 \$349,420 \$7,300 26 **RESERVES** 27 260 Reserves for Uncollectible Accounts \$10,740 \$10,740 \$0 28 253 Reserve for Rate Stabilization \$1,924,376 \$2,142,686 \$218,310 29 262 Injuries and Damages Reserves \$0 \$0 \$0 \$2,717,280 (\$253,124)30 263 Pensions and Benefits Reserves \$2,464,156 265 Accrued OPEB Liability 31 \$1,063,317 \$1,092,113 \$28,796 32 \$5,715,713 \$5,709,695 **Total Reserves** (\$6,018)33 **CONTRIBUTIONS IN AID OF CONSTRUCTION** 271 Contributions in Aid of Construction \$305,001 \$52,663 \$252,338 35 Total Liabilities and Other Credits \$20,362,257 \$20,964,802 \$602,545

	STATEMENT OF INCOME FOR THE YEAR		
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)*	\$8,302,262	\$962,402
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	\$6,883,146	\$568,714
5	402 Maintenance Expense	\$389,235	\$84,447
6	403 Depreciation Expense	\$605,140	\$92,478
7	407 Amortization of Property Losses	\$0	\$0
8			
9	408 Taxes (P. 49)	\$0	\$0
10	Total Operating Expenses	\$7,877,521	\$745,639
11	Operating Income	\$424,741	\$216,763
12	414 Other Utility Operating Income (P. 50)	\$0	\$0
13			
14	Total Operating Income	\$424,741	\$216,763
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing,		
	and Contract Work (P. 51)	\$115,577	\$26,905
17	419 Interest Income	(\$11,764)	(\$82,110)
18	421 Miscellaneous Nonoperating Income (P. 21)	\$56,366	(\$1,677,710)
19	Total Other Income	\$160,179	(\$1,732,915)
20	Total Income	\$584,920	(\$1,516,152)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(\$1,134)	\$3
23	426 Other Income Deductions	\$0	\$0
24	Total Income Deductions	(\$1,134)	\$3
25	Income Before Interest Charges	\$586,054	(\$1,516,155)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	\$0	\$0
28	428 Amortization of Debt Discount and Expense	\$0	\$0
29	429 Amortization of Premium on Debt - Credit	\$0	\$0
30	431 Other Interest Expense	\$673	(\$714)
31	432 Interest: Charged to Construction - Credit	\$0	\$0
32	Total Interest Charges	\$673	(\$714)
33	NET INCOME	\$585,381	(\$1,515,441)
	EARNED SURPLUS		
Line	Account	Debits	Credits
No.	(a)	(b)	(c)
34	208 Unappropriated Earned Surplus (at beginning of period)		\$12,935,440
35			
36			
37	433 Balance Transferred from Income		\$585,381
38	434 Miscellaneous Credits to Surplus (P. 21)	\$0	\$0
39	435 Miscellaneous Debits to Surplus (P. 21)	\$0	\$0
40	436 Appropriations of Surplus (P. 21)	\$0	\$0
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	\$13,520,821	
43			
44	TOTALS	\$13,520,821	\$13,520,821
		·	Next Page is 14

Annu	al Report of The Town of Sterling Year Ended Decemb	er 31, 2018	Page 14
	CASH BALANCES AT END OF YEAR		
Line	Items		Amount
No.	(a)		(b)
1	Operation Fund		\$1,115,345
2	·		
3			
4			
5			
6 7			
8			
9			
10			
11			
12		TOTAL	\$1,115,345
	MATERIALS AND SUPPLIES (Accounts 151-159, 163)		+ , -,
	Summary per Balance Sheet		
		Amount End	d of Year
Line	Account	Electric	Gas
No.	(a)	(b)	(c)
	Fuel (Account 151) (See Schedule, Page 25)	(3)	(5)
	Fuel Stock Expenses (Account 152)		
	Residuals (Account 153)		
	Plant Materials and Operating Supplies (Account 154 (151))	\$324,053	
	Merchandise (Account 155)	4 5= 1,555	
	Other Materials and Supplies (Account 156)		
	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
	Nuclear Byproduct Materials (Account 159)		
	Stores Expense (Account 163)		
23		\$324,053	\$0
	DEPRECIATION FUND ACCOUNT (Account 126)	¥5= 1,555	+
Line			Amount
No.	(a)		(b)
24			,
25	Balance of account at beginning of year		\$641,384
	Income during year from balance on deposit (interest)		\$2,183
	Amount transferred from income (depreciation)		\$1,041,992
	Unrealized Gain		\$0
29		TOTAL	\$1,685,559
	CREDITS		,
	Amount expended for construction purposes (Sec. 57,C.164 of C	S.L.)	\$736,428
	Amounts expended for renewals	,	,,
	Unrealized Loss		
34			
35			
36			
37			
38			
	Balance on hand at end of year		\$949,131
40		TOTAL	\$1,685,559

- Report below the cost of utility plant in service according to prescribed accounts
- Do not include as adjustments, corrections of additions and retirements for the current or th

UTILITY PLANT - ELECTRIC

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).

	additions and retirements for the current or the	enclosed in parenthe	eses to indicate	the negative			
Line	Account	Balance Beginning of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	1. INTANGIBLE PLANT						
2							
3		\$0	\$0	\$0	\$0	\$0	\$0
5	2. PRODUCTION PLANT	Φ0	Φυ	Φυ	Φυ	ΦΟ	Φ0
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements			NONE			
9	312 Boiler Plant Equipment			NONE			
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0

	-	UTILITY PLANT	- ELECTRIC	(Continued)			
		Balance		,		Adjustments	Balance
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(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			NONE			
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
19	Total Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
20	3. Transmission Plant						
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails	40	^	40	*	**	*
31	Total Transmission Plant	\$0	\$0	\$0	\$0	\$0	\$0

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		UTILITY PL	ANT E	LECTRIC	C (Cor	ntinued)							
Line		Balan	се					Other	Ad	justments		Balance	
No.	Account	Beginning	of Year	Additio	ons	Depreciat	ion	Credits	T	ransfers	E	End of Year	
	(a)	(b)		(c)		(d)		(e)		(f)		(g)	
1	4. DISTRIBUTION PLANT												
2	360 Land and Land Rights	\$ 1	97,008	\$	-	\$	-		\$	-	\$	197,008	
3	361 Structures and Improvements	6	10,985	2	5,489	80,	565			-		555,909	
4	362 Station Equipment		79,750	359	9,792	18,	948			-		420,594	
5	363 Storage Battery Equipment	2,4	88,420		-	74,	653			-		2,413,767	
6	364 Poles Towers and Fixtures	1,1	93,307	110	6,531	52,	787			-		1,257,051	
7	365 Overhead Conductors and Devices	2,1	06,124	12	5,509	118,	531			-		2,113,102	
8	366 Underground Conduit	2	66,337		-	4,	655			-		261,682	
9	367 Underground Conductors and Devices	8	57,098	6 ⁻	7,648	46,	988			-		877,758	
10	368 Line Transformers	8	04,297	5	8,929	46,	382			-		816,844	
11	369 Services		7,342		167	7,	509			-		-	
12	370 Meters	9	60,337	5	3,652	32,	005			-		981,984	
13	371 Installations on Customer's Premises		47,964	24	4,455	2,	117			-		70,302	
14	372 Leased Prop on Customer's Premises		-		-		-			-		-	
15	373 Streetlight and Signal Systems	2	59,707	10	6,300	8,	000			-		268,007	
16	Total Distribution Plant	\$ 9,8	78,676	\$ 848	8,472	\$ 493,	140	\$ -	\$	-	\$	10,234,008	
17	5. GENERAL PLANT												
18	389 Land and Land Rights		-		-		-			-		-	
19	390 Structures and Improvements	7	16,071	59	9,968	23,	528			-		752,511	
20	391 Office Furniture and Equipment	2	55,851		-	14,	053			-		241,798	
21	392 Transportation Equipment	1,1	79,293	4.	4,235	38,	655			-		1,184,873	
22	393 Stores Equipment		-		-		-			-		-	
23	394 Tools, Shop and Garage Equipment	1	01,606	;	3,526	6,	557			-		98,575	
24	395 Laboratory Equipment		50,204		-	2,	574			-		47,630	
25	396 Power Operated Equipment		61,876	24	4,950	2,	710			-		84,116	
26	397 Communication Equipment		99,133	14	1,807	5,	806			-		235,134	
27	398 Miscellaneous Equipment	2	41,263	,	1,999	10,	846			-		232,416	
28	399 Other Tangible Property	2	39,418	1.	7,772	7,	717			-		249,473	
29	Total General Plant	\$ 2,9	44,715	\$ 294	4,257	\$ 112,	446	\$ -	\$	-	\$	3,126,526	
30	Total Electric Plant in Service		23,391	\$ 1,142	2,729	\$ 605,	586	\$ -	\$	-	\$	13,360,534	
31	104 Utility Plant Leased to Others		-		-		-					-	
32	105 Property Held for Future Use		-		-		-					-	
33	107 Construction Work in Progress	4	05,714	4	4,299		-			(395,615)		54,398	
34	Total Utility Plant Electric	\$ 13,2	29,105	\$ 1,18 ⁻	7,028	\$ 605,	586	\$ -	\$	(395,615)		13,414,932	

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.

		Each Kind of coal or of Show gas and electric		•		
		Show gas and electric	rueis separately by s	Kinds of Fuel and O	nil	
		Total		Nilius of Fuel and O	<u> </u>	
Line	Item	Cost	Quantity	Cost	Quantity	Cost
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	On Hand Beginning of Year	\$0	(0)	(u)	(0)	(1)
2	Received During Year	\$0				
3	TOTAL	\$0				
4	Used During Year (Note A)	\$0				
5	3 11 (11)					
6						
7				NONE		
8						
9						
10						
11	Sold or Transferred	\$0				
12	TOTAL DISPOSED OF	\$0				
13	BALANCE END OF YEAR	\$0				
				Kinds of Fuel and O	il - continued	
Line	Item		Quantity	Cost	Quantity	Cost
No.	(g)		(h)	(i)	(j)	(k)
14	On Hand Beginning of Year					
15	Received During Year	_				
16	TOTAL	<u> </u>				
17	Used During Year (Note A)					
18						
19				NONE		
20				NONE		
21						
22						
23 24	Sold or Transferred					
24 25	TOTAL DISPOSED OF	-				
25 26	BALANCE END OF YEAR	-				
20	DALANCE END OF TEAK			1	<u> </u>	

	MISCELLANEOUS NONOPERATING INCOME (Account 421)	
Line No	Item (a)	Amount (b)
1	Grant Revenue	\$47,565
	Mutual Aid Reimbursement	\$8,801
3		
4		
5 6	TOTAL	. \$56,366
O	OTHER INCOME DEDUCTIONS (Account 426)	.] \$30,300
Line	Item	Amount
No.	(a)	(b)
7		
8		
9		
10		
11		
12		
13 14		\$0
14	MISCELLANEOUS CREDITS TO SURPLUS (Account 434)	. ψ0
Line	Item	Amount
No.	(a)	(b)
15		(-)
16		
17		
18		
19		
20 21		
22		
23	TOTAL	\$0
	MISCELLANEOUS DEBITS TO SURPLUS (Account 435)	•
Line	Item	Amount
No.	(a)	(b)
24		
25		
26 27		
28		
29		
30		
31		
32		\$0
	APPROPRIATIONS OF SURPLUS (Account 436)	1
Line	ltem (42)	Amount
No.	(a)	(b)
33 34		
35		
36		
37		
38		
39		
40	TOTAL	. \$0

MUNICIPAL REVENUES (Account 482,444)

(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

Line No.	Acct. No.	Gas Schedule (a)		Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000)
						(d)
1						
2	482	N/A				
3						
4			TOTALS			
					Revenue	Average Revenue
		Electric Schedule		K.W.H.	Received	Per KWH (cents)
		(a)		(b)	(c)	(0.0000)
						(d)
5	445	Municipal: (Other Than Street Lighting)		2,212,158	\$308,489	\$0.1395
6						
7						
8						
9						
10						
11						
12			TOTALS	2,212,158	\$308,489	\$0.1395
13	444	Street Lighting:		133,878	\$25,363	\$0.1894
14						
15						
16						
17						
18			TOTALS	133,878	\$25,363	\$0.1894
19			TOTALS	2,346,036	\$333,852	\$0.1423

PURCHASED POWER (Account 555)

Lir N	ne o.	Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H (c)	Amount (d)	Cost per KWH (cents) (0.0000) (e)
	20	See pages 54, 55 and 56				
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29		TOTALS	0	\$0	\$0.0000

SALES FOR RESALE (Account 447)

Line	Names of Utilities to Which Electric	Where and at What	K.W.H	Amount	Revenue per KWH (cents)
No.	Energy is sold	Voltage Delivered	(c)	(d)	(0.0000)
	(a)	(b)			(e)
30					
31	Various Utilities	PTF VOLTAGE	0	\$0	N/A
32					
33	This represents a reduction				
34	in purchased power				
35	account 555				
36					
37					
38					
39		TOTALS	0	\$0	N/A

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

ELECTRIC OPERATING REVENUES (Account 400)

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

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

meters,	plus number of late rate accounts except where separate		mers included in the class		·	in basis of Classification			
		Operating Rever	nues	Kilowatt-hours So	old	Average Number of			
						Customers per N	<i>lonth</i>		
			Increase or		Increase or		Increase or		
		Amount for	(Decrease) from	Amount for	(Decrease) from	Number for	(Decrease) from		
Line	Account	Year	Preceding Year	Year	Preceding Year	Year	Preceding Year		
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1	SALES OF ELECTRICITY								
2	440 Residential Sales	\$4,237,771	\$468,741	30,825,721	2,096,954	3,472	23		
3	442 Commercial and Industrial Sales								
4	Small Commercial B Sales	\$461,363	\$43,547	2,154,309	(641,142)	201	13		
5	Large Commercial C Sales	\$3,208,496	\$441,928	24,251,426	2,367,778	139	0		
6	444 Public Street and Highway Lighting	\$25,363	(\$5,250)	133,878	(2,646)	0	(1)		
7	445 Other Sales to Public Authorities	\$308,489	\$28,386	2,212,158	(113,605)	47	1		
8	446 Sales to Railroads and Railways	\$0	\$0	0	0	0	0		
9	448 Interdepartmental Sales	\$0	(\$13,927)	0	0	0	0		
10	449 Miscellaneous Sales	\$44,475	\$358	242,930	(21,802)	0	0		
11	Total Sales to Ultimate Consumers	\$8,285,957	\$963,783	59,820,422	3,685,537	3,859	36		
12	447 Sales for Resale	\$0	\$0	0	0	0	0		
13	Total Sales of Electricity*	\$8,285,957	\$963,783	59,820,422	3,685,537	3,859	36		
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts	\$0	\$0						
16	451 Miscellaneous Service Revenues	\$0	\$0		* Includes revenues	from			
17	453 Sales of Water and Water Power	\$0	\$0		application of fuel cla	auses \$			
18	454 Rent from Electric Property	\$16,305	(\$1,381)						
19	455 Interdepartmental Rents	\$0	\$0						
20	456 Other Electric Revenues	\$0	\$0		Total KWH to which	applied	59,820,422		
21									
22									
23									
24									
	Total Other Operating Revenues	\$16,305	(\$1,381)						
26	Total Electric Operating Revenue	\$8,302,262	\$962,402						

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule

or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

or contra	ct. Municipal sale	s, contract sales and unbilled sales ma	y be reported separately	in total.			
					Average		
		_			Revenue	Number of C	
Line	Account	Schedule	K.W.H.	Revenue	per KWH	(per Bills re	
No.	No.	(a)	(b)	(c)	(cents)	July 31	Dec 31
					(0.0000)	(e)	(f)
					(d)		
1		RESIDENTIAL	30,825,721	\$4,237,771	\$0.1375	3,467	3,472
2 3	442	COMMERCIAL (Small)	2,154,309	\$461,363	\$0.2142	193	201
3	442	INDUSTRIAL (Large)	24,251,426	\$3,208,496	\$0.1323	138	139
4	444	STREET LIGHTING	133,878	\$25,363	\$0.1894	0	0
5	445	MUNICIPAL*	2,212,158	\$308,489	\$0.1395	46	47
6	449	PRIVATE LIGHTING	242,930	\$44,475	\$0.1831	0	0
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
		*Includes Interdepartmen	tal sales				
		LES TO ULTIMATE					
	CONSUME	ERS (page 37 Line 11)	59,820,422	\$8,285,957	\$0.1385	3,844	3,859

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

	If the increases and decreases are not derived from previous	usly reported figures, explain in	footnote
			Increase or
	Account	Amount for Year	(Decrease) from
Line	(a)	(b)	Preceding Year
No.			(c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering	\$0	\$0
5	501 Fuel	\$0	\$0
6	502 Steam Expenses	\$0	\$0
7	503 Steam from other sources	\$0	\$0
8	504 Steam transferred Cr.	\$0	\$0
9	505 Electric expenses	\$0	\$0
10	506 Miscellaneous steam power expenses	\$0	\$0
11	507 Rents	\$0	\$0
12	Total Operation	\$0	\$0
13	Maintenance:		
14	510 Maintenance supervision and engineering	\$0	\$0
15	511 Maintenance of Structures	\$0	\$0
16	512 Maintenance of boiler plant	\$0	\$0
17	513 Maintenance of electric plant	\$0	\$0
18	514 Maintenance of miscellaneous steam plant	\$0	\$0
19	Total Maintenance	\$0	\$0
20	Total power production expenses -steam power	\$0	\$0
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering	\$0	\$0
24	518 Fuel	\$0	\$0
25	519 Coolants and water	\$0	\$0
26	520 Steam Expenses	\$0	\$0
27	521 Steam from other sources	\$0	\$0
28	522 Steam transferred Cr.	\$0	\$0
29	523 Electric expenses	\$0	\$0
30	524 Miscellaneous nuclear power expenses	\$0	\$0
31	525 Rents	\$0	\$0
32	Total Operation	\$0	\$0
33	Maintenance:		
34	528 Maintenance supervision and engineering	\$0	\$0
35	529 Maintenance of Structures	\$0	\$0
36	530 Maintenance of reactor plant	\$0	\$0
37	531 Maintenance of electric plant	\$0	\$0
38	532 Maintenance of miscellaneous nuclear plant	\$0	\$0
39	Total Maintenance	\$0	\$0
40	Total power production expenses -nuclear power	\$0	\$0
41	HYDRAULIC POWER GENERATION		
42	Operation:		*-
43	535 Operation supervision and engineering	\$0	\$0
44	536 Water for power	\$0	\$0
45	537 Hydraulic expenses	\$0	\$0
46	538 Electric expenses	\$0	\$0
47	539 Miscellaneous hydraulic power generation expenses	\$0	\$0
48	540 Rents	\$0	\$0
49	Total Operation	\$0	\$0

Annua	Report of The Town of Sterling Year Ended December 31, 2018		Page 40
	ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Co	ontinued	
			Increase or
Line	Account	Amount for Year	(Decrease) from
No.	(a)	(b)	Preceding Year
	(4)	(0)	(c)
1	HYDRAULIC POWER GENERATION - Continued		(0)
2	Maintenance:		
3		\$0	\$0
	541 Maintenance Supervision and engineering		
4	542 Maintenance of structures	\$0	\$0
5	543 Maintenance or reservoirs, dams and waterways	\$0	\$0
6	544 Maintenance of electric plant	\$0	\$0
7	545 Maintenance of miscellaneous hydraulic plant	\$0	\$0
8	Total maintenance	\$0	\$0
9	Total power production expenses - hydraulic power	\$0	\$0
10	OTHER POWER GENERATION		·
11	Operation:		
12	546 Operation supervision and engineering	\$0	\$0
	·		
13	547 Fuel	\$0	\$0
14	548 Generation Expenses	\$0	\$0
15	549 Miscellaneous other power generation expense	\$0	\$0
16	550 Rents	\$0	\$0
17	Total Operation	\$0	\$0
18	Maintenance:		
19	551 Maintenance supervision and engineering	\$0	\$0
20	552 Maintenance of Structures	\$0	\$0
21	553 Maintenance of generating and electric plant	\$0	\$0
22	554 Maintenance of miscellaneous other power generation plant	\$0	\$0 \$0
	Total Maintenance	\$0	
23		·	\$0
24	Total power production expenses - other power	\$0	\$0
25	OTHER POWER SUPPLY EXPENSES	# 4.000.400	A 404 074
26	555 Purchased power	\$4,986,138	\$481,371
27	556 System control and load dispatching	\$0	\$0
28	557 Other expenses	\$88,795	(\$27,951)
29	Total other power supply expenses	\$5,074,933	\$453,420
30	Total power production expenses	\$5,074,933	\$453,420
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	\$0	\$0
34	561 Load dispatching	\$0	\$0
35	562 Station expenses	\$0	\$0 \$0
	•	The state of the s	
36	563 Overhead line expenses	\$0	\$0
37	564 Underground line expenses	\$0	\$0
38	565 Transmission of electricity by others	\$0	\$0
39	566 Miscellaneous transmission expenses	\$0	\$0
40	567 Rents	\$0	\$0
41	Total Operation	\$0	\$0
42	Maintenance:		·
43	568 Maintenance supervision and engineering	\$0	\$0
44	569 Maintenance of structures	\$0	\$0
45	570 Maintenance of station equipment	\$0	\$0 \$0
	·	•	
46	571 Maintenance of overhead lines	\$0	\$0 \$0
47	572 Maintenance of underground lines	\$0	\$0
48	573 Maintenance of miscellaneous transmission plant	\$0	\$0
49	Total maintenance	\$0	\$0
50	Total transmission expenses	\$0	\$0

Annua	Report of The Town of Sterling Year Ended December 31, 201		Page 41
	ELECTRIC OPERATION AND MAINTENANCE EXPENSES	- Continued	
			Increase or
Line	Account	Amount for Year	(Decrease) from
No.	(a)	(b)	Preceding Year
			(c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	\$91,296	\$19,067
4	581 Load dispatching (Operation Labor)	\$15,489	\$3,526
5	582 Station expenses	\$22,482	\$17,050
6	583 Overhead line expenses	\$23,807	(\$667)
7	584 Underground line expenses	\$7,247	\$740
8	585 Street lighting and signal system expenses	\$0	\$0
9	586 Meter expenses	\$41,548	\$13,593
10	587 Customer installations expenses	\$3,870	\$579
11	588 Miscellaneous distribution expenses	\$20,039	\$2,562
12	589 Rents	\$0	Ψ2,302 \$0
13		·	· · · · · · · · · · · · · · · · · · ·
	Total operation	\$225,778	\$56,450
14	Maintenance:	¢20,264	640.704
15	590 Maintenance supervision and engineering	\$20,361	\$10,724
16	591 Maintenance of structures	\$1,239	(\$87)
17	592 Maintenance of station equipment	\$0	\$0
18	593 Maintenance of overhead lines	\$268,614	\$66,356
19	594 Maintenance of underground lines	\$16,263	\$858
20	595 Maintenance of line transformers	\$5,502	\$658
21	596 Maintenance of street lighting and signal systems	\$6,243	\$820
22	597 Maintenance of meters	\$1,044	(\$256)
23	598 Maintenance of miscellaneous distribution plant	\$0	\$0
24	Total maintenance	\$319,266	\$79,073
25	Total distribution expenses	\$545,044	\$135,523
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	\$26,784	\$3,401
29	902 Meter reading expenses	\$61,227	\$8,230
30	903 Customer records and collection expenses	\$135,943	\$14,625
31	904 Uncollectible accounts	\$0	\$0
32	905 Miscellaneous customer accounts expenses	20,974	\$2,630
33	Total customer accounts expenses	\$244,928	\$28,886
34	SALES EXPENSES	Ψ244,920	Ψ20,000
35	Operation:	Φ0	ΦO
36	911 Supervision	\$0	\$0 \$0.744
37	912 Demonstrating and selling expenses	\$11,210	\$2,741
38	913 Advertising expenses	\$7,784	\$6,080
39	916 Miscellaneous sales expenses	\$0	\$0
40	Total sales expenses	\$18,994	\$8,821
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	\$108,509	\$21,348
44	921 Office supplies and expenses	\$20,995	\$1,843
45	922 Administrative expenses transferred - Cr	\$0	\$0
46	923 Outside services employed	\$116,809	(\$2,155)
47	924 Property insurance	\$28,997	(\$2,094)
48	925 Injuries and damages	\$35,603	(\$2,587)
49	926 Employee pensions and benefits	\$849,160	(\$59,216)
50	928 Regulatory commission expenses	\$0	\$0
51	929 Store Expense	\$0	\$0 \$0
52	930 Miscellaneous general expenses	\$158,440	\$63,998
53	931 Rents	\$130,440	\$03,998 \$0
54	Total operation	\$1,318,513	\$21,137

Allilu	·	Year Ended December 31, 2018		Page 42
	ELECTRIC OPERATION AND	MAINTENANCE EXPENSES - Con	tinued	
			Amount	Increase or
Line	Account		for Year	(Decrease) from
No.	(a)		(b)	Preceding Year
	, ,		,	(c)
1	ADMINISTRATIVE AND GENERAL EX	PENSES - Cont.		(- /
2				
3			\$69,969	\$5,374
4		ovnoncos	\$1,388,482	\$26,511
5	_		\$7,272,381	\$653,161
	Total Electric Operation and Mail	menance Expenses	\$7,272,381	φυυυ, το τ
	CUMMARY OF FLECTRIC OR	DATION AND MAINTENANCE EVE	DENOCE	
1.1		RATION AND MAINTENANCE EXF		T l
Line	Functional Classification	Operation	Maintenance	Total
No.	(a)	(b)	(c)	(d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power			
	Other Power Supply Expenses	\$5,074,933	\$0	\$5,074,933
	Total power production expenses	\$5,074,933	\$0	\$5,074,933
	·	\$0	\$0	\$0,074,933
	Transmission Expenses	•	•	·
	Distribution Expenses	\$225,778	\$319,266	\$545,044
	Customer Accounts Expenses	\$244,928	\$0	\$244,928
	Sales Expenses	\$18,994	\$0	\$18,994
18	Administrative and General Expenses	\$1,318,513	\$69,969	\$1,388,482
19	Total Electric Operation and			
20	Maintenance Expenses	\$6,883,146	\$389,235	\$7,272,381
		•	•	
21	Ratio of operating expenses to operating	g revenues		* 95%
	(carry out decimal two places, (e.g., 0.00			0070
	Compute by dividing Revenues (Acct 40	·		
	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	,		
	and Maintenance Expenses (Page 42, I	ine 20 (d), Depreciation (Acct 403)		
	and Amortization (Acct 407)			
22	Total salaries and wages of electric dep	artment for year, including		\$1,130,008
	amounts charged to operating expenses	s, construction and other		
	accounts.			
23	Total number of employees of electric d	epartment at end of year		13
	including administrative, operating, mair	•		
	other employees (including part-time em			
	l l l l l l l l l l l l l l l l l l l			
	* Combination of FEMA expenses and o	contract huydown		
	L combination of Livin expenses and t	ontiact buyuown		

- 1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.
- 2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts.

TAXES CHARGED DURING THE YEAR

- 3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.
- 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.
- 5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.
- 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

designat	ed whether estimated or actual amounts		the appropriate balance	sheet plant accoun	t or subaccount.		of such taxes to the	taxing authority.	
		Total Taxes							
		Charged							
Line	Kind of Tax	During Year	Electric	Gas					
No.	(a)	(omit cents)	Acct 408,409	Acct 408,409					
	(α)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		(D)	(6)	(u)	(e)	(1)	(9)	(11)	(1)
1	NONE								
2	NONE								
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	TOTALS								

Year Ended December 31, 2018

OTHER UTILITY OPERATING INCOME (Account 414)									
	Report below the particulars called for in each column								
	Adjoin bolow tho		Jasii Joidii	Amount	Gain or				
		Amount of	Amount of	of Operating	(Loss) from				
Line	Property	Investment	Department	Expenses	Operation				
No.	(a)	(b)	(c)	(d)	(e)				
1	(4)	(2)	(0)	(4)	(0)				
2									
3	NONE								
4									
5									
6									
6 7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
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27									
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31									
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35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47 49									
48									
49 50									
50 51	TOTALO								
51	TOTALS								

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

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

	and contract work during the year.				
		Electric	Gas	Other Utility	
Line	Item	Department	Department	Department	Total
No.	(a)	(b)	(c)	(d)	(e)
1	Revenues:				
2	Merchandise sales, less discounts,	\$0			\$0
3	allowances and returns				
4	Contract work	115,577			\$115,577
5	Commissions	\$0			\$0
6	Other (list according to major classes)	\$0			\$0
7	Pole Contract Fees	\$0			\$0
8					
9					
10	Total Revenues	\$115,577	\$0	\$0	\$115,577
11		* - 7,-	* -	T -	<u> </u>
12					
	Costs and Expenses:				
14		\$0			\$0
15					Ψ.
16	•				
	Materials	\$0			\$0
	Outside Service Labor	\$0			\$0
19		ΨΟ			ΨΟ
20					
		\$0			\$0
	Sales Expenses	\$0			\$0
	Customer accounts expenses				
	Administrative and general expenses	\$0			\$0
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45		\$0	\$0	\$0	\$0
46	Net Profit (or loss)	\$115,577	\$0	\$0	\$115,577

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.
- Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities,
 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 and "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.

			Export			Kw	or Kva of De	mand
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Sales to:	Classification	Line	Point of Delivery	Station		Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2								
3								
4								
5 6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17 18								
19								
20								
21								
22								
23								
24								
25								
25 26 27								
27								
28								
29								
28 29 30 31 32 33 34 35 36 37 38 39 40								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								

SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes

integrated).

- 6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.
- 7. Explain any amounts entered in column (n) such as fuel or other adjustments.
- 8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

Type of	Voltage		Revenue per kwh					
Demand Reading	at Which Delivered	Kilowatt- Hours	Capacity Charges	Energy Charges	Other Charges	Total	(CENTS) (0.0000)	Line
(i)	TOTALS:	(k) \$0	(I) \$0	(m) \$0	(n) \$0	(o) 0	(p) n/a	No. 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

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

- 1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
- 2. Provide subheadings and classify purchases 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 purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.
- 3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

						Kw	or Kva of De	mand
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Purchased from	Classification	Line	Point of Receipt	Station	Demand	Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	New York Power Authority	(b) FP	X	TOWN LÌŃE		501	νο,	· /
	Stonybrook Peaking	0		TOWN LINE		1,872		
	Stonybrook Intermediate	0		TOWN LINE		2,516		
	Nuclear Project 3 (Millstone)	O	Χ	TOWN LINE		338		
	Nuclear Project 4 (Seabrook)	Ö	X	TOWN LINE		1,632		
	Nuclear Project 5 (Seabrook)	Ö	X	TOWN LINE		43		
	Project 6 (Seabrook)	Ö	X	TOWN LINE		675		
	Transmission Charges	Ŭ	^			070		
9	Hydro Quebec	0	Х	TOWN LINE				
	ISO OATT	Ŭ	^					
	System Power	DP						
	Berkshire Wind Power Coopera			TOWN LINE		476		
	Hancock Wind	Ö		TOWN LINE		470		
	EverSources Services (Northea			TOVVIN LINE				
	National Grid							
	REMVEC I & II							
	MMWEC A & G							
	Sterling Solar (CES Sterling)							
	Saywatt Hydro							
	Methuen Falls Hydro							
	Centennial Island Hydro							
	Pandolf Perkins							
	Princeton Wind Farm							
	Energy Stream							
	Anderson Power Products							
	Flush of Funds							
	DOE Refund							
	Generators							
	Rate Stabilization Transfers							
	MA Solar Storage							
31	S							
32								
33								
34								
35								
	**Includes transmission and adr	ministrative char	ges.					
37								
38								
39								
40								
41								
42								
43								

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

- 4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.
- 5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and
- should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).
- 6. The number of kilowatt hours purchased should be the quantities shown by the power bills.
- 7. Explain any amount entered in column (n) such as fuel or other adjustments.

and (n) should	be actual bas	T THORITING	readings and					
Type of	Voltage		Cost of	Energy (Omit C	`ante)		KWH	
Demand	at Which	Kilowatt-	Capacity	Energy	Other		(CENTS)	
Reading	Delivered	Hours	Charges	Charges	Charges	Total	(0.0000)	Line
			-	•	_		(0.0000)	
(i)	(j)	(k)	(I)	(m)	(n) **	(o)	(p)	No.
60 MINUTES		3,328,418	24,470	17,368	58,319	100,157	\$0.0301	1
60 MINUTES		72,877	35,324	14,176	3,789	53,289	\$0.7312	2
60 MINUTES		759,159	98,354	60,684	2,472	161,510	\$0.2127	3
60 MINUTES		3,154,767	103,398	20,122	2,208	125,728	\$0.0399	4
60 MINUTES		14,281,602	383,913	82,867	905	467,685	\$0.0327	5
60 MINUTES		375,175	10,286	2,177	24	12,487	\$0.0333	6
60 MINUTES		5,907,930	202,107	34,280	374	236,761	\$0.0401	7
			0					8
			0		2,695	2,695	N/A	9
00 1411 11 17 10		0.540.400	0	000 400	844,213	844,213	N/A	10
60 MINUTES		8,548,400	0	360,198	0	360,198	\$0.0421	11
60 MINUTES		2,371,448	325,421	0	0	325,421	\$0.1372	12
		1,314,633	(331)	62,955	25	62,649	\$0.0477	13
					4,177	4,177	N/A	14
					(54,310)	(54,310)	N/A	15
					0	0	N/A	16
					85,800	85,800	N/A	17
		2,926,007		114,845		114,845	\$0.0392	18
		1,434,334		94,953		94,953	\$0.0662	19
		1,072,000		65,113		65,113	N/A	20
		4,178,969		258,761		258,761	\$0.2414	21
		918,000		40,483		40,483	\$0.0097	22
		327,719 582,413		26,217 38,555		26,217 38,555	\$0.0286 \$0.1176	23 24
		562,413		36,000	6,000	42,000	\$0.1176	25
		ı		30,000	0,000	42,000	ψ0.0721	26
					(17,247)	(17,247)	N/A	27
					3,001	3,001	N/A	28
					218,309	218,309	N/A	29
		883,200		34,032	210,000	34,032	N/A	30
		333,233		0 1,002		0 1,002		31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
								42
	TOTAL 0	50 107 07 1	04.400.045	04 000 =05		Φο ποπ τος		43
	TOTALS:	52,437,051	\$1,182,942	\$1,363,786	\$1,160,754	\$3,707,482		

INTERCHANGE POWER (Included in Account 555)

- 1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
- 2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
- 3. Particulars of settlements for interchange power

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

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

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

	Inter- change		Voltage at				
ine Name of Company lo. (a)	Across State Lines (b)	Point of Interchange (c)	Which Inter- changed (d)	Received (e)	Delivered (f)	Net Difference (g)	Amount of Settlement (h)
1 NEPEX				61,256,460	49,845,030	11,411,430	\$1,367,451
2				.,,	10,010,000	, ,	4 1,001,10
3							
4							
5							
6							
7							
8							
9							
10 11							
12							
13							
14							
15	L		TOTALS	61,256,460	49,845,030	11,411,430	\$1,367,45

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
16	NEPEX	INTERCHANGE EXPENSE	\$1,248,400
17		NEPOOL EXPENSE	\$119,051
18			
19			
20			
21			
22			
23			
24		TOTAL	\$1,367,451

ELECTRIC ENERGY ACCOUNT

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

interch	anged for the year.			
Line.	Item			Kilowatt-hours
No.	(a)			(b)
1	SOURCES OF ENERGY			
2	Generation			
3	Steam			
4	Nuclear			
5	Hydro			
6	Other			
7	Total Generation			0
8	Purchases			52,437,051
9		(In (gross)	N/A	
10	Interchanges	< Out (gross)	N/A	
11		(Net (Kwh)		11,411,430
12		(Received	0	
13	Transmission for/by others (wheeling)	< Delivered	0	
14		(Net (Kwh)		0
15	TOTAL			63,848,481
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			59,820,422
18	Sales for resale			0
19	Energy furnished without charge			
20	Energy used by the company (excluding station use):			
21	Electric department only			987,774
22	Energy losses			
23	Transmission and conversion losses		0	
24	Distribution losses			
25	Unaccounted for losses		3,040,285	
26	Total energy losses			3,040,285
27	Energy losses as percent of total on line 15	4.76%		
28			TOTAL	63,848,481

MONTHLY PEAKS AND OUTPUT

Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the

combined sources of electric energy of respondent.

Monthly peak col. (b) should be respondent's maximum kw load as
measured by the sum of its coincidental net generation and purchase plus or
minus net interchange, minus temporary deliveries (not interchange) of

emergency power to another system. Monthly peak including such

emergency deliveries should be shown in a footnote with a brief explanation

as to the nature of the emergency.

- 3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- 4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
- 5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Annual Report of The Town of Sterling

			Monthly Output				
			Day of	Day of		Type of	(kwh)
Line	Month	Kilowatts	Week	Month	Hour	Reading	(See Instr. 4)
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	JAN	10,457	Tuesday	2	20:00	PULSE	5,715,948
30	FEB	9,061	Wednesday	7	17:00	PULSE	5,777,326
31	MAR	10,344	Wednesday	7	20:00	PULSE	4,866,878
32	APR	9,747	Monday	16	15:00	PULSE	5,015,376
33	MAY	8,389	Thursday	31	21:00	PULSE	4,920,420
34	JUN	10,114	Monday	18	20:00	PULSE	4,910,502
35	JUL	12,734	Tuesday	3	10:00	PULSE	5,616,191
36	AUG	12,412	Wednesday	29	20:00	PULSE	6,026,743
37	SEP	11,310	Tuesday	4	20:00	PULSE	5,360,834
38	OCT	9,143	Wednesday	31	8:00	PULSE	5,234,193
39	NOV	10,039	Wednesday	21	10:00	PULSE	5,261,474
40	DEC	11,229	Thursday	13	8:00	PULSE	5,142,596
41						TOTAL	63,848,481

	GENERATING S	STATIONS		Pages 58	through 66
	GENERATING STATIO (Exc	N STATISTICS ept Nuclear)	(Large Stations)		Pages 58-59
Line	Item	Plant	Plant	Plant	Plant
No.	(a)	(b)	(c)	(d)	(e)
1 2 3 4 5 6	NONE				
	STEAM GEN	ERATING STAT	TIONS		Pages 60-61
Line	Item	Plant	Plant	Plant	Plant
No.	(a)	(b)	(c)	(d)	(e)
1 2 3 4 5 6	NONE				
	HYDROELECTRIC	GENERATING	STATIONS		Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1 2 3 4 5 6	NONE				
	COMBUSTION ENGINE AN	D OTHER GEN	ERATING STATION	ONS	Pages 64-65
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1 2 3 4 5 6	CARBOLON (4 DIESELS)	1293 KVA	(0)	(4)	(0)
	GENERATING STATIO	N STATISTICS	(Small Stations)		Page 66
Line No.	ltem (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1 2 3 4 5 6	NONE	, ,	` '	` '	` '

TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

			•					
				Type of	Length (P	ole Miles)	Number	Size of
	Desig	nation	Operating	Supportive		On Structures of	of	Conductors
Line	From	То	Voltage	Structure	Line Designated	Another Line	Circuits	and Material
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2 3								
3					NONE			
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	
	* where oth	er than 60	cycle, 3 phas	se, 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 that 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
- 4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
- 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
- 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

maracic	er, but the number of such substations must be	e SHOWH.	the respond	ent. For any su	DStation of E	quipment operated unde	i lease, give	or other party is an	associated company.		
									Conversion	n Apparat	us and
		Character		Voltage		Capacity of	Number of	Number of	Speci	al Equipme	ent
	Name and Location	of				Substation in kva	Transformers	Spare	Type of	Number	Total
Line	of Substation	Substation	Primary	Secondary	Tertiary	(In Service)	In Service	Transformers	Equipment	of Units	Capacity
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Chocksett Rd.	Transmission/Distribution	115 KV	13.8 KV		44,800	2	0	1		
2											
3	System Reclosers:										
4	Pole #11 - Pratts Junction Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
5	Pole #3-2 - Legate Hill Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
6	Pole #20 - Wiles Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
7	Pole #38 - Chocksett Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
8	Pole #53-1 - Chockett Rd.	Battery Storage Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
9	Pole #48-1 - Chockett Rd.	Battery Storage/Comm Solar	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
10	Pole #53 - Princeton Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
11	Pole #46 - Worcester Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
12	Pole #10 - Heywood Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
13	Pole #8 - Maple St.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
14	Pole #53 - Beaman Rd.	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Recloser	1	N/A
15											
16	Capacitor Banks:										
17	Heywood Rd. (01) Pole #3	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
18	Pratts Junction Rd. (01) Pole #33	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
19	Chocksett Rd. (03) Pole #39	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
20	Leominster Rd. (04) Pole #3	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	900 KVAR
21	Leominster Rd. (04) Pole #38	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
22	Worcester Rd. (04) Pole #40.5	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	600 KVAR
23	Chamberlain Rd. (02) Pole #3	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
24	North Row Rd Pole #17	Distribution	13.8 KV	N/A		N/A	N/A	N/A	Capacitor Bank	1	450 KVAR
25											
					TOTALS	44,800	2	0		19	4,200 KVA

OVERHEAD DISTRIBUTION LINES OPERATED

Line		l	ength (Pole Mile	s)
No.		Wood Poles	Steel Towers	Total
1	Miles Beginning of Year	104.12		104.12
2	Added During Year	0.12		0.12
3	Retired During Year	0.00		0.00
4	Miles End of Year	104.24	0	104.24

5 6

7

15

8 Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power

9 Primary AC Secondary AC
10 3/0-7970/13800Y 3/0-120/208
11 3/0-2400/4160Y 3/0-240
12 3/0-277/480
13 1/0-120/240

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

				Line Trar	nsformers
		Electric	Number of		Total
Line	Item	Services	Watt-hour	Number	Capacity
No.			Meters		(kva)
16	Number at beginning of year:	3,555	3,912	1,324	116,066.5
17	Additions during year				
18	Purchased		315	21	4,051.0
19	Installed	7	(10)	10	3,795.0
20	Existing unaccounted xfmrs added			0	0.0
21	Total Additions	7	305	31	7,846.0
22	Reductions during year:				
23	Retirements	2	246	5	75.0
24	Sold		0	34	2,380.0
25	Total Reductions	2	246	39	2,455.0
26	Number at end of year	3,560	3,971	1,316	121,457.5
27	In stock		128	79	9,133.5
28	Locked meters on customers' premises		0		
29	Transformers being repaired			1	25.0
	Inactive Transformer				
30	In customers' use		3,835	1,227	63,009.0
31	In company's use		8	9	49,290.0
32	Number at end of year		3,971	1,316	121,457.5

WW Sub 1
Airport Hazard Lights (3) 1

Page	70	Annual Report of The T	own of Sterling				Year Ended	December 31, 2018
	December	CONDUIT, UNDERGI			•			
	Report b	elow the information calle		conduit, undergroi onduit Bank		erground Cable at end o		omarine Cable
Line	Designation of Underground S	Systom		and Types)	Miles *	Operating Voltage	Feet *	Operating Voltag
No.	(a)	bystem	,	(b)	(c)	(d)	(e)	(f)
110.	Industrial services	3/0	3.76	Miles	(0)	(u) 120-208	(C)	(1)
2	Industrial services	3/0	2.19	Miles		13,800		
	Leominster Road	3/0	0.07	Miles		13,800		
1	Sholan Terrace	3/0	0.04	Miles		4,160		
5	Worcester Road	3/0	0.11	Miles		8,000		
	Under I-190	3/0	0.61	Miles		13,800		
	Ashton Lane	1/0	0.23	Miles		8,000		
	Chace Hill Road	1/0	0.23	Miles		2,400		
0	Elliott Road			Miles				
4.0	Bean Road	1/0	0.28			8,000		
		1/0	0.04	Miles		8,000		
	Evergreen Circle	1/0	0.15	Miles		8,000		
	Fox Fire	1/0	3.06	Miles		8,000		
	James Road	1/0	0.16	Miles		8,000		
	Jill Lane	1/0	0.18	Miles		8,000		
	Karen Drive	1/0	0.06	Miles		8,000		
	House services (secondary)	4/0	25.57	Miles		120/240		
	House services (Primary)	1/0	1.36	Miles		8,000		
	Michael Lane	1/0	0.21	Miles		8,000		
	Pikes Hill Road	1/0	1.55	Miles		8,000		
	Quail Roost Drive	1/0	0.28	Miles		8,000		
	Riverview Road	1/0	0.24	Miles		8,000		
22	Still River Road	1/0	0.38	Miles		8,000		
23	Sunset Drive	1/0	0.17	Miles		8,000		
24	Tanglewood Road	1/0	1.04	Miles		8,000		
25	Off Rt 140	1/0	0.09	Miles		8,000		
26	Sky Farm Lane	1/0	0.28	Miles		2,400		
27	Abbey Lane	1/0	0.06	Miles		8,000		
28	Off Justice Hill Cutoff	1/0	0.21	Miles		2,400		
29	Juniper Brook	1/0	0.14	Miles		8,000		
30	Rowley Hill Road	1/0	0.11	Miles		2,400		
31	Debra Lane	1/0	0.49	Miles		8,000		
32	Tara Lane	1/0	0.09	Miles		2,400		
33	Off Osgood Road	1/0	0.20	Miles		2,400		
34	Heather Lane	1/0	0.12	Miles		8,000		
35	Fitch Farm Lane	1/0	0.54	Miles		8,000		

PAGE TOTAL

*indicate number of conductors per cable

44.53

Miles

0

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)

	Repor	t below the information called					•	
				onduit Bank		erground Cable		marine Cable
Line	Designation of Underg	round System	•	and Types)	Miles *	Operating Voltage	Feet *	Operating Voltage
No.		a)		(b)	(c)	(d)	(e)	(f)
36	Pamela Lane	1/0	0.15	Miles		8,000		
	Ridgewood Lane	1/0	0.20	Miles		2,400		
38	Redstone Hill	3/0	0.09	Miles		13,800		
39	Kendall Hill Road	1/0	0.15	Miles		10,400		
40	Cross Street	3/0	0.08	Miles		8,000		
41	Calvins Lane	1/0	0.18	Miles		8,000		
42	John Christian Way	1/0	0.12	Miles		8,000		
43	Peters Way	3/0	0.14	Miles		13,800		
44	Blueberry Lane	1/0	0.21	Miles		2,400		
45	Evergreen Ext	1/0	0.09	Miles		8,000		
46	Olde Parish Lane	1/0	0.28	Miles		8,000		
47	Cell Tower	1/0	0.17	Miles		8,000		
48	Chace Hill Road	4/0	0.12	Miles		120/240		
49	Country Club Lane	1/0	0.50	Miles		8,000		
50	Cole Road	1/0	0.45	Miles		8,000		
51	Avery Lane	1/0	0.27	Miles		8,000		
52	Matthew Lane	1/0	0.36	Miles		2,400		
53	Cynthia Lane	1/0	0.49	Miles		8,000		
54	Malvern Hill Road	1/0	0.30	Miles		8,000		
55	Adam Taylor Road	1/0	0.68	Miles		8,000		
56	Boutelle Road	1/0	0.08	Miles		8,000		
57	Clinton Road	1/0	0.02	Miles		8,000		
58	Crowley Road	1/0	0.05	Miles		8,000		
59	Elizabeth Lane	1/0	0.16	Miles		8,000		
60	Leominster Road (Mall)	1/0	0.35	Miles		8,000		
61	Merrill Road	1/0	0.17	Miles		8,000		
62	Old Princeton Road	1/0	0.03	Miles		8,000		
63	Pratt Junction Road	1/0	0.03	Miles		8,000		
64	Samuel's Lane	1/0	0.09	Miles		8,000		
65	Pine Woods Lane	1/0	0.21	Miles		8,000		
66	Dana Hill Road	1/0	0.10	Miles		8,000		
67	Sandy Ridge Road	1/0	1.13	Miles		8,000		
68	Leslie Lane	1/0	0.33	Miles		8,000		
69	Stuart Road	1/0	0.55	Miles		8,000		
70		PAGE TOTAL	8.33	Miles				
71		SUBTOTAL	52.86	Miles	0		0	

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)

	Troport k	pelow the information called		onduit Bank		erground Cable	•	omarine Cable
Line	Designation of Undergro	ound System		and Types)	Miles *	Operating Voltage	Feet *	Operating Voltage
No.	(a)	-	•	(b)	(c)	(d)	(e)	(f)
	Rt. 140 Cell Tower	1/0	0.17	Miles	(0)	8,000	(0)	(1)
	Chocksett Road	1/0	0.08	Miles		13,800		
	Country Club Lane	4/0	0.03	Miles		120/240		
	Muddy Pond Road	4/0	0.12	Miles		120/240		
	Clinton Road	4/0	0.14	Miles		120/240		
	Pine Woods Lane	4/0	0.14	Miles		120/240		
78	Lake Shore Drive	4/0	0.03	Miles		120/240		
79	Rowley Hill Road	4/0	0.10	Miles		120/240		
	Avery Lane	4/0	0.06	Miles		120/240		
81	Albright Road	4/0	0.18	Miles		120/240		
	Kendall Hill Road	4/0	0.03	Miles		120/240		
83	Justice Hill Road	4/0	0.03	Miles		120/240		
84	Sandy Ridge Road	350 MCM Sec.	1.37	Miles		120/240		
85	Leslie Lane	350 MCM Sec.	0.13	Miles		120/240		
86	Stuart Road	4/0	0.25	Miles		120/240		
87	Adam Taylor Road	350 MCM Sec.	0.23	Miles		120/240		
88	Dana Hill Road	1/0	0.13	Miles		13,800		
89	Malvern Hill Road	4/0	0.03	Miles		120/240		
90	Off Dana Hill (Ster. Hlthcr)	3/0	0.34	Miles		13,800		
	Redemption Rock Trail	1/0	0.27	Miles		8,000		
	Police Statn Access Rd	3/0	0.07	Miles		13,800		
93	Redstone Hill Road	4/0	0.06	Miles		120/240		
94	Holden Road	4/0	0.03	Miles		120/240		
95	Sandy Ridge Road	4/0	0.28	Miles		120/240		
	North Row Road	4/0	0.06	Miles		120/240		
97	Greenland Road	4/0	0.03	Miles		120/240		
98	Samuel Lane	4/0	0.03	Miles		120/240		
99	Chocksett Road	1/0	0.03	Miles		120/240		
100	Tuttle Road	4/0	0.03	Miles		120/240		
101	Cole Road	4/0	0.03	Miles		120/240		
102	Leslie Lane	4/0	0.03	Miles		120/240		
103	Adam Taylor Road	4/0	0.07	Miles		120/240		
104	Stephanie Anne Lane	1/0	0.71	Miles		8,000		
105	Stephanie Anne Lane	350 MCM Sec.	0.08	Miles		120/240		
106		PAGE TOTAL	5.40	Miles				
107		SUBTOTAL	58.26	Miles	0		0	

	Renor	CONDUIT, UNDERGRO t below the information called			•	•	f vear.	
	Тюры	T DOIGN THE INFORMATION CONTROL		onduit Bank	<u> </u>	erground Cable		omarine Cable
Line	Designation of Underg	around System		and Types)	Miles *	Operating Voltage	Feet *	Operating Voltage
No.	_	(a)	,	(b)	(c)	(d)	(e)	(f)
108	Allyson Way	350 MCM Sec.	0.08	Miles		120/240	, ,	, ,
109	Off Pinewoods Lane	1/0	0.14	Miles		8,000		
110	Stephanie Anne Lane	1/0	0.13	Miles		8,000		
111	Village Lane	1/0	0.19	Miles		8,000		
112	Village Lane	350 MCM Sec.	0.09	Miles		120/240		
	#2 Rowley Hill Road	1/0	0.34	Miles		8,000		
114	Shamrock Road	1/0	0.34	Miles		8,000		
115	Thomas Lane	1/0	0.17	Miles		8,000		
116	Kathleen Lane	1/0	0.30	Miles		8,000		
117	Primrose Lane	1/0	0.11	Miles		8,000		
118	Patriots Way	1/0	0.57	Miles		13,800		
	Pheasant Hill Lane	1/0	0.34	Miles		8,000		
	Pheasant Hill Lane	350 MCM Sec.	0.06	Miles		120/240		
	Trebor Lane	1/0	0.34	Miles		8,000		
	Trebor Lane	350 MCM Sec.	0.09	Miles		120/240		
	Runaway Brook	1/0	1.12	Miles		8,000		
	Runaway Brook	350 MCM Sec.	0.14	Miles		120/240		
	Fern Lane	1/0	0.20	Miles		8,000		
	Lindas Way	1/0	0.17	Miles		8,000		
	Lake Shore Drive	350 MCM Sec.	0.07	Miles		120/240		
	Lake Shore Drive	1/0	0.03	Miles		8,000		
	Fern Lane	4/0	0.11	Miles		120/240		
	White Oak Way	4/0	0.05	Miles		120/240		
	Campground Road	4/0	0.02	Miles		120/240		
	Burpee Road	350 URD triplex	0.06	Miles		120/240		
	Chad Lane	1/0	0.15	Miles		8,000		
	Chad Lane	4/0	0.13	Miles		120/240		
	Homestead Lane	1/0	0.49	Miles		8,000		
	Homestead Lane	4/0	0.08	Miles		120/240		
	Fitch Farm Lane	4/0	0.04	Miles		120/240		
	Honey Crisp Way	350 URD triplex	0.07	Miles		120/240		
	Pratts Junction Road	4/0	0.02	Miles		120/240		
	Shamrock Road	350 URD triplex	0.02	Miles		120/240		
	Research Road	1/0 CU	3.28	Miles		13,800		
	Streetlighting	Town of Sterling	0.72	Miles		120 volt		
143		PAGE TOTAL	10.30	Miles		120 VOIL		
143		GRAND TOTAL	68.56	Miles	0		0	

	STREET	LAM	PS CON	NECTE	D TO S	YSTEN	1			
						Т	уре			
			LE		Mercury		Florescent	& Quartz	Sodiu	
Line	City or Town	Total	Municipal	Other	Municipal		Municipal	Other	Municipal	Other
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	STERLING									
	Town Streetlighting	494					0		0	0
3	Private Lighting	302	0	127	0	22	0	10	0	143
8										
9										
10										
11										
12										
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43 44										
45		796	483	127	11	22	0	10	0	143
	IOTALS	7 30	700	141	11		<u> </u>		ext Page is	

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RATE SCHEDULE INFORMATION

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

	or decrease in annual rev	venues predicted on the previous year's	operations.	
				nated
Effective	M.D.P.U.	Rate		ct on
Date	Number	Schedule		Revenues
			Increases	Decreases
				2 00.00.00
		NONE		

	THIS RETURN IS SIG	NED UND	DER THE PENALTIES OF P	ERJURY
	1			Mayor
Su				Manager of Electric Light
	Sean Hamilton		General Manager	·
fo	Joseph Curtin		Chairman)
Su	1			Selectmen
E	Brian Pierce		Vice-Chairman	or Members
	Eric Darlington		Clerk	Municipal Light Board
)
		S OF ABO		TSIDE THE COMMONWEALTH OF
		S OF ABO MASSA	OVE PARTIES AFFIXED OU	PERLY SWORN TO
Then pe		S OF ABO	OVE PARTIES AFFIXED OU' CHUSETTS MUST BE PRO	PERLY SWORN TO
Then po	SIGNATURES	S OF ABO	OVE PARTIES AFFIXED OU' CHUSETTS MUST BE PRO	PERLY SWORN TO
Then po	SIGNATURES	S OF ABO	OVE PARTIES AFFIXED OU' CHUSETTS MUST BE PRO	PERLY SWORN TO
Then p	SIGNATURES ersonally appeared And severally made or	S OF ABO MASSA	OVE PARTIES AFFIXED OU' CHUSETTS MUST BE PRO	PERLY SWORN TO 20

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Cost of Plant	•	ala.			
Description Path		oie			
14 14 12 12 12 12 12 12				_	
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