The Commonwealth of Massachusetts

RETURN

OF THE

TOWN OF

ROWLEY, MASSACHUSETTS

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For The Year Ended December 31,

2018

Name of officer to whom correspondence should be addressed regarding this report: *Daniel J. Folding*

Official title: *Manager*

Office address: *47 Summer Street*

Rowley, MA 01969

GENERAL INFORMATION

1. Name of town (or city) making report. Rowley, MA

2. If the town (or city) has acquired a plant,
   Kind of plant, whether gas or electric. Electric
   Owner from whom purchased, if so acquired.
   Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws.
   Record of votes: First vote: Yes, 131; No, 6 Second vote: Yes, 122; No, 2 Dec. 10, 1909 & Feb. 12, 1910
   Date when town (or city) began to sell gas and electricity, March 14, 1910

3. Name and address of manager of municipal lighting:

   Daniel Folding, 27 Whittier Road, Newton, N.H. 03858

4. Name and address of mayor or selectman:

   Robert Snow, 7 Saunders Lane, Rowley, MA 01969
   G. Robert Merry, 40 Warehouse Lane, Rowley, MA 01969
   Joseph Perry, 7 Bennett Hill Road, Rowley, MA 01969
   David C. Petersen, 25 Newbury Road, Rowley, MA
   Clifford Pierce, 399 Wethersfield Street, Rowley, MA 01969

5. Name and address of town (or city) treasurer:

   Karen Summit, 118 Central Street, Rowley, MA 01969

6. Name and address of town (or city) clerk:

   Susan Hazen, 4 Central Street, Rowley, MA 01969

7. Names and addresses of members of municipal light board:

   G. Robert Merry, 40 Warehouse Lane, Rowley, MA 01969
   Robert Snow, 7 Saunders Lane, Rowley, MA 01969
   Kenneth Keyes, 16 Railroad Avenue, Rowley, MA 01969
   Kevin Snow, 82 Hillside, Rowley, MA 01969

8. Total valuation of estates in town (or city) according to last State Valuation	$	1,106,782,000.00
9. Tax rate for all purposes during the year:	$	14.68
10. Amount of manager's salary:	$	140,308.00
11. Amount of manager's bond:	$	20,000.00
12. Amount of salary paid to members of municipal light board (each)	$	None

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	
2	From sales of electricity	7,200,000.00
3	**Total**	7,200,000.00
4		
5	**EXPENSES:**	
6	For operation, maintenance and repairs	6,879,706.72
7	For interest on bonds, notes or scrip	
8	For depreciation fund (3 percent on $ 9,209,776.03 as per page 8B)	276,293.28
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13	**Total**	7,156,000.00
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	11,000.00
19	Of electricity to be used for street lights	33,000.00
20	Total of above items to be included in the tax levy	44,000.00
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	44,000.00

CUSTOMERS

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.

City or Town	Number of Customers' Meters, Dec. 31
Total	

Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each

City or Town	Number of Customers' Meters, Dec. 31
Rowley	2,952
Total	2,952

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 !	$
			TOTAL	$

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

1.	Street lights	$ 33,000.00
2.	Municipal buildings	$ 11,000.00
3.		
	TOTAL	44,000.00

*Date of meeting and whether regular or special. ! Here insert bonds, notes or tax levy.

CHANGES IN 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:

In gas property:

BONDS

(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of Issue	Amount of Original Issues !	Periods of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
05-07-01	02-01-02	1,100,000.00					0.00
	TOTAL	1,100,000.00				TOTAL	0.00

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.

* Date of meeting and whether regular or special

! List original issues of bonds and notes including those that have been retired.

TOWN NOTES

(ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING.)

When Authorized*	Date of Issue	Amount of Original Issues !	Periods of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
03-14-10	03-17-10	12,000.00					
01-02-11	05-17-11	2,400.00					
10-21-11	11-11-11	600.00					
06-06-12	08-07-12	3,000.00					
08-28-16	12-27-16	1,200.00					
03-03-86	08-18-86	100,000.00					
03-03-86	07-07-87	800,000.00					
10-31-88	05-25-89	250,000.00					
05-15-98	05-15-98	90,000.00					
	TOTAL	1,259,200.00				TOTAL	0.00

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.

* Date of meeting and whether regular or special

! List original issues of bonds and notes including those that have been retired.

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	**C. Hydraulic Production Plant**						
2	330 Land and Land Rights....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways.....						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant						
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 Devices						
28	357 Underground Conduits..						
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	Total Transmission Plant.....						

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	**4. DISTRIBUTION PLANT**						
2	360 Land and Land Rights	267,334.75					267,334.75
3	361 Structures and Improvements	175,488.29					175,488.29
4	362 Station Equipment	2,571,930.75	1,960.71				2,573,891.46
5	363 Storage Battery Equipment						
6	364 Poles, Towers and Fixtures	1,127,322.36	58,793.25	4,134.15			1,181,981.46
7	365 Overhead Conductors and Devices	1,148,191.53	25,513.92				1,173,705.45
8	366 Underground Conduits	65,381.95	1,768.36				67,150.31
9	367 Underground Conductors & Devices	227,040.94	17,847.43				244,888.37
10	368 Line Transformers	664,394.76	26,851.98	12,165.00			679,081.74
11	369 Services	259,119.04	9,361.51				268,480.55
12	370 Meters	392,771.60	15,243.60	357.00			407,658.20
13	371 Installation on Cust's Premises						
14	372 Leased Prop. on Cust's Premises	97,466.84	8,885.06				106,351.90
15	373 Street Light and Signal Systems	308,639.73	58,069.34	15,756.96			350,952.11
16	Total Distribution Plant	7,305,082.54	224,295.16	32,413.11			7,496,964.59
17	**5. GENERAL PLANT**						
18	389 Land and Land Rights	15,000.00					15,000.00
19	390 Structures and Improvements	452,075.44					452,075.44
20	391 Office Furniture and Equipment	206,463.28					206,463.28
21	392 Transportation Equipment	1,051,165.35					1,051,165.35
22	393 Stores Equipment	1,852.56	122.65				1,975.21
23	394 Tools, Shop & Garage Equipment	189,649.40	6,146.54				195,795.94
24	395 Laboratory Equipment						
25	396 Power Operated Equipment						
26	397 Communication Equipment	55,793.23					55,793.23
27	398 Miscellaneous Equipment	16,877.74					16,877.74
28	399 Other Tangible Property						
29	Total General Plant	1,988,877.00	6,269.19	0.00			1,995,146.19
30	Total Electric Plant in Service	9,293,959.54	230,564.35	32,413.11			9,492,110.78
31						Total cost of Electric Plant	9,492,110.78
32							
33						Less Cost of Land, Land Rights,Rights of Way	282,334.75
34						Total cost upon which depreciation is based	9,209,776.03

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

9,209,776.03 X 3%= 276,293.28

COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	**UTILITY PLANT**			
2	101 Utility Plant - Electric (P.17).....	4,275,922.56	4,236,138.19	(39,784.37)
3	101 Utility Plant - gas (P.20).....			
4				
5	Total Utility Plant...	4,275,922.56	4,236,138.19	(39,784.37)
6				
7				
8				
9				
10				
11	**FUND ACCOUNTS**			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	4,239,257.32	4,573,033.04	333,775.72
14	128 Other Special Funds.....	1,243,941.30	1,239,051.62	(4,889.68)
15	Total Funds.....	5,483,198.62	5,812,084.66	328,886.04
16	**CURRENT AND ACCRUED ASSETS**			
17	131 Cash (P. 14).....	87,583.75	(432,828.89)	(520,412.64)
18	132 Special Deposits...	108,890.00	110,340.00	1,450.00
19	132 Working Funds.....	690.00	690.00	0.00
20	141 Notes Receivable..			
21	142 Customer Accounts Receivable.....	368,267.70	416,983.99	48,716.29
22	143 Other Accounts Receivable.....	61,591.92	77,312.54	15,720.62
23	146 Receivables from Municipality..			
24	151 Materials and Supplies (P.14)..	79,047.86	79,975.11	927.25
25				
26	165 Prepayments.....	1,259,005.32	1,281,800.71	22,795.39
27	174 Miscellaneous Current Assets..	1,946.14	268,842.27	266,896.13
28	Total Current and Accrued Assets.....	1,967,022.69	1,803,115.73	(163,906.96)
29	**DEFERRED DEBITS**			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Losses.			
32	183 Other Deferred Debits.....			
33	Total Deferred Debits.....			
34				
35	Total Assets and Other Debits	11,726,143.87	11,851,338.58	125,194.71

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	**APPROPRIATIONS**			
2	201 Appropriations for Construction			
3	**SURPLUS**			
4	205 Sinking Fund Reserves			
5	206 Loans Repayments	2,279,200.00	2,279,200.00	0.00
6	207 Appropriations for Construction Repayments	0.00	0.00	0.00
7	208 Unappropriated Earned Surplus (P.12)	4,545,953.57	4,482,958.74	(62,994.83)
8	Total Surplus	6,825,153.57	6,762,158.74	(62,994.83)
9	**LONG TERM DEBT**			
10	221 Bonds (P.6)	0.00	0.00	0.00
11	231 Notes Payable (P.7)			
12	Total Bonds and Notes	0.00	0.00	0.00
13	**CURRENT AND ACCRUED LIABILITIES**			
14	232 Accounts Payable	553,437.45	558,891.31	5,453.86
15	234 Payables to Municipality			
16	235 Customer's Deposits	108,890.00	110,340.00	1,450.00
17	236 Taxes Accrued	4,289.52	3,781.12	(508.40)
18	237 Accrued Expenses	2,856,179.85	2,997,553.29	141,373.44
19	242 Miscellaneous Current and Accrued Liabilities	1,946.14	1,327.93	(618.21)
20	Total Current and Accrued Liabilities	3,524,742.96	3,671,893.65	147,150.69
21	**DEFERRED CREDITS**			
22	251 Unamortized Premium on Debt			
23	252 Customer Advances for Construction	27,106.64	27,106.64	0.00
24	253 Other Deferred Credits			
25	Total Deferred Credits	27,106.64	27,106.64	0.00
26	**RESERVES**			
27	260 Reserves for Uncollectable Accounts	53,179.69	25,000.00	(28,179.69)
28	261 Property Insurance Reserve			
29	262 Injuries and Damages Reserve			
30	263 Pensions and Benefits			
31	265 Miscellaneous Operating Reserves			
32	Total Reserves	53,179.69	25,000.00	(28,179.69)
33	**CONTRIBUTIONS IN AID OF CONSTRUCTION**			
34	271 Contributions in Aid of Construction	1,295,961.01	1,365,179.55	69,218.54
35	Total Liabilities and Other Credits	11,726,143.87	11,851,338.58	125,194.71

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.

In Lieu of Tax Payment: $33,273.76

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total Current Year (b)	Total Increase of (Decrease) from Preceding Year (c)
1	**OPERATING INCOME**		
2	400 Operating Revenue (P.37 and 43)	7,238,415.25	161,438.05
3	Operating Expenses:		
4	401 Operation Expense (P.42 and 47)	6,694,631.53	514,319.59
5	402 Maintenance Expense (P.42 and 47)	368,856.92	23,656.88
6	403 Depreciation Expense	270,348.72	8,020.49
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P.49)		
10	Total Operating Expenses	7,333,837.17	545,996.96
11	Operating Income	(95,421.92)	(384,558.91)
12	414 Other Utility Operating Income (P.50)		
13			
14	Total Operating Income	(95,421.92)	(384,558.91)
15	**OTHER INCOME**		
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)		
17	419 Interest Income	65,700.85	26,273.11
18	421 Miscellaneous Nonoperating Income		
19	Total Other Income	65,700.85	26,273.11
	Total Income	(29,721.07)	(358,285.80)
20			
21	**MISCELLANEOUS INCOME DEDUCTIONS**		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions		
24	Total Income Deductions		
25	Income Before Interest Charge	(29,721.07)	(358,285.80)
26	**INTEREST CHARGES**		
27	427 Interest on Bonds and Notes		
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit		
30	431 Other Interest Expense		
31	432 Interest Charged to Construction-Credit		
32	Total Interest Charges	0.00	0.00
33	**NET INCOME**	(29,721.07)	(358,285.80)

EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		4,545,953.57
35			
36			
37	433 Balance Transferred from Income		(29,721.07)
38	434 Miscellaneous Credits to Surplus		
39	435 Miscellaneous Debits to Surplus		
40	436 Appropriations of Surplus (P.21)	33,273.76	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	4,482,958.74	
43			
44	**Totals**	4,516,232.50	4,516,232.50

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund	(432,828.89)
2	Interest Fund	
3	Bond Fund	
4	Construction Fund	
5	Rate stabilization fund	874,948.27
6	Light Opeb Fund	364,103.35
7		
8		
9		
10		
11		
12	TOTAL	806,222.73

MATERIALS AND SUPPLIES (Accounts 151-159, 163)
Summary Per Balance Sheet

Line No.	Account (a)	Amount End of Year Electric (b)	Amount End of Year 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)	79,975.11	
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet $	79,975.11	

DEPRECIATION FUND ACCOUNT (Account 136)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year	4,239,257.32
26	Income during year from balance on deposit	64,193.98
27	Amount transferred from income	269,581.74
28		
29	TOTAL	4,573,033.04
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	
32	Amounts transferred to operating cash	0.00
33		
34		
35		
36		
37		
38		
39	Balance on hand at end of year	4,573,033.04
40	TOTAL	4,573,033.04

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (c)
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 Devices						
28	357 Underground Conduits...						
29	358 Underground Conductors and Devices						
30	359 Roads and trails						
31	Total Transmission Plant...						

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	**4. DISTRIBUTION PLANT**						
2	360 Land and Land Rights....	267,334.75					267,334.75
3	361 Structures and Improvements.....	11,022.00		216.00			10,806.00
4	362 Station Equipment.....	646,649.17	1,960.71	82,564.80			566,045.08
5	363 Storage Battery Equipment.....						
6	364 Poles, Towers and Fixtures.....	654,867.69	58,793.25	33,819.72			679,841.22
7	365 Overhead Conductors and Devices..	468,000.04	25,513.92	34,445.76			459,068.20
8	366 Underground Conduits.....	25,056.96	1,768.36	1,961.40			24,863.92
9	367 Underground Conductors & Devices.	84,370.37	17,847.43	6,811.20			95,406.60
10	368 Line Transformers.....	331,106.85	26,851.98	19,931.88			338,026.95
11	369 Services.....	112,231.56	9,361.51	7,773.60			113,819.47
12	370 Meters.....	277,909.81	15,243.60	11,783.16			281,370.25
13	371 Installation on Cust's Premises.....						
14	372 Leased Prop. on Cust's Premises.....	60,377.42	8,885.06	2,924.04			66,338.44
15	373 Street Light and Signal Systems.....	196,633.66	58,069.34	9,259.20			245,443.80
16	Total Distribution Plant.....	3,135,560.28	224,295.16	211,490.76			3,148,364.68
17	**5. GENERAL PLANT**						
18	389 Land and Land Rights....	15,000.00					15,000.00
19	390 Structures and Improvements.....	133,109.83		13,562.28			119,547.55
20	391 Office Furniture and Equipment.....	82,624.18		6,193.92			76,430.26
21	392 Transportation Equipment.....	773,363.22		31,534.92			741,828.30
22	393 Stores Equipment.....	1,852.56	122.65				1,975.21
23	394 Tools, Shop & Garage Equipment.....	105,570.03	6,146.54	5,689.44			106,027.13
24	395 Laboratory Equipment....						
25	396 Power Operated Equipment.....						
26	397 Communication Equipment.....	28,638.81		1,673.76			26,965.05
27	398 Miscellaneous Equipment.....	203.65		203.64			0.01
28	399 Other Tangible Property.						
29	Total General Plant.....	1,140,362.28	6,269.19	58,857.96			1,087,773.51
30	Total Electric Plant in Service.....	4,275,922.56	230,564.35	270,348.72			4,236,138.19
31	104 Utility Plant Leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....						
34	Total Utility Plant Electric...	4,275,922.56	230,564.35	270,348.72			4,236,138.19

MISCELLANEOUS NONOPERATING INCOME (Account 421)

Line NO.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6	TOTAL	

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		
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	0.00

APPRORIATIONS OF SURPLUS (Account 436)

Line No.	Item (a)	Amount (b)
33		
34	In Lieu of Tax Payment	33,273.76
35		
36		
37		
38		
39		
40	TOTAL	33,273.76

MUNICIPAL REVENUES (Account 482,444)

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

Line NO.	Acc't No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per M.C.F. ($0.0000) (d)
1	482				
2					
3					
4		TOTALS			
		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)	67,862	10,793.28	0.1590
7					
8					
9					
10					
11					
12		TOTALS	67,862	10,793.28	0.1590
13					
14		Street Lighting:	180,760	33,273.76	0.1841
15					
16					
17					
18		TOTALS	180,760	33,273.76	0.1841
19		TOTALS	248,622	44,067.04	0.1772

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		Daniels Road, Rowley			
21		23,000 volts			
22	ISO of Energy New England		12,886,305	3,940,421.26	0.3058
23	Miller Hydro		1,188,662	58,710.26	0.0494
24	PASNY		2,514,017	59,071.20	0.0235
25	Spruce Mountain Wind		1,258,210	124,877.24	0.0992
26	National Grid			307,975.55	
27	NextEra		17,217,700	470,483.74	0.0273
28	Sale to Granite and Fin. Stmnt NextEra			(55,463.81)	
29	Central Street		800,649	54,714.23	
30	Shell Energy		11,471,300	537,992.15	0.0469
31	Saddleback Ridge		1,177,899	109,051.36	0.0926
32	Hydro Quebeck Phase 1 & 2			9,163.03	
33		TOTALS	48,514,742	5,616,996.21	0.1158

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Delivered (b)	K.W.H. (c)	Amount (d)	Revenue per K.W.H. (cents) (0.0000) (e)
34					
35					
36					
37					
38					
39					
40					
41					
42					
43		TOTALS			

ELECTRIC OPERATING REVENUES (Account 400)

ort below the amount off operating revenue for
ır for each prescribed account and the amount of
se or decrease over the preceding year.
creases and decreases are not derived from
usly reported figures explain any inconsistencies.
nber of customers should be reported on the
f number of meters, plus number of flat rate
nts, except that where separate meter readings are added for billing pruposes, 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. Classiffication 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.

Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
	Amount for year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
SALES OF ELECTRICITY						
440 Residential Sales	3,633,759.12	34,790.55	22,119,097	696,035	2,506	9
442 Commercial and Industrial Sales:						
Small (or Commercial) see instr. 5	337,018.41	2,701.38	3,733,120	(24,960)	223	(1)
Large (or Industrial) see instr. 5	3,111,058.46	294,628.62	18,552,036	2,745,951	187	(3)
444 Municipal Sales (Page 22)	44,067.04	5,487.00	248,622	(12,681)	3	(7)
445 Other Sales: Private Area Lighting	48,924.63	(3,987.97)	196,799	(24,717)	103	3
446 Sales to Railroads and Railways						
448 Interdepartmental Sales						
449 Miscellaneous Sales						
Total Sales to Ultimate Consumers	7,174,827.66	333,619.58	44,849,674	3,379,628	3,022	1
447 Sales for Resale						
Total Sales of Electricity*	7,174,827.66	333,619.58	44,849,674	3,379,628	3,022	1
OTHER OPERATING REVENUES						
450 Forfeited Discounts						
451 Miscellaneous Service Revenues						
453 Sales of Water and Water Power						
454 Rent from Electric Property	9,148.40	(10,840.26)	*Includes revenues from application of fuel clauses $2,720,667.27			
455 Interdepartmental Rents						
456 Other Electric Revenues	54,439.19	(161,341.27)	Total KWH to which applied.....40,913,941			
Total Other Operating Revenues	63,587.59	(172,181.53)				
Total Electric Operating Revenue	7,238,415.25	161,438.05				

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

Line No.	Acct. 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)	Number of Customers (per Bills rendered) December 31, (f)
1	440	Rate - A	22,119,097	3,633,759.12	16.4282	2,506	2,518
3	442	Rate - B	3,733,120	337,018.41	9.0278	223	232
4	442.1	Rate - C	18,552,036	3,111,058.46	16.7694	187	190
5	444	Municipal	67,862	10,793.28	15.9047	2	11
6	444.1	St. Lights Municipal	180,760	33,273.76	18.4077	0	0
7	445.1	Private Area Lights	196,799	48,924.63	24.8602	103	102
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49		TOTAL SALES TO ULTIMATE CONSUMERS (Page 37 line 11	44,849,674	7,174,827.66	15.9975	3,021	3,053

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 structure res		
5	543 Maintenance or 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 Generation Expenses		
15	549 Miscellaneous other power generation expense		
16	550 Rents		
17	Total Operation		
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
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	5,616,996.21	633,755.92
27	556 System control and load dispatching		
28	557 Other expenses	(13,381.42)	(5,001.99)
29	Total other power supply expenses	5,603,614.79	628,753.93
30	Total power production expenses	5,603,614.79	628,753.93
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		
39	566 Miscellaneous transmission expenses		
40	567 Rents		
41	Total Operation		
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		

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		
4	581 Load dispatching		
5	582 Station expenses	0.00	0.00
6	583 Overhead line expenses	180,212.97	34,483.72
7	584 Underground line expenses		
8	585 Street lighting and signal system expenses		
9	586 Meter expenses	4,660.98	(5,411.58)
10	587 Customer installations expenses	2,494.73	(1,293.12)
11	588 Miscellaneous distribution expenses	62,961.20	(10,160.61)
12	589 Rents		
13	Total operation	250,329.88	17,618.41
14	Maintenance:		
15	590 Maintenance supervision and engineering	84,611.17	20,382.23
16	591 Maintenance of structures	792.61	181.86
17	592 Maintenance of station equipment	24,021.74	11,079.15
18	593 Maintenance of overhead lines	228,644.99	(9,183.64)
19	594 Maintenance of underground lines	12,029.74	869.04
20	595 Maintenance of line transformers	5,290.94	4,134.62
21	596 Maintenance of street lighting and signal systems	10,397.73	(3,153.19)
22	597 Maintenance of meters	0.00	0.00
23	598 Maintenance of miscellaneous distribution plant	0.00	0.00
24	Total maintenance	365,788.92	24,310.07
25	Total distribution expenses	616,118.80	41,928.48
26	**CUSTOMER ACCOUNTS EXPENSES**		
27	Operation:		
28	901 Supervision		
29	902 Meter reading expenses	4,753.14	255.90
30	903 Customer records and collection expenses	131,554.87	14,075.07
31	904 Uncollectable accounts	(26,477.08)	(27,432.04)
32	906 Conservation/efficiency	10,572.35	2,745.35
33	Total customer accounts expenses	120,403.28	(10,355.72)
34	**SALES EXPENSES**		
35	Operation:		
36	911 Supervision		
37	912 Demonstrating and selling expenses		
38	913 Advertising expenses	4,923.80	4,707.60
39	916 Miscellaneous sales expenses		
40	Total sales expenses	4,923.80	4,707.60
41	**ADMINISTRATIVE AND GENERAL EXPENSES**		
42	Operation:		
43	920 Administrative and general salaries	213,742.01	7,327.97
44	921 Office supplies and expenses	37,305.01	2,353.10
45	922 Administrative expenses transferred - Cr		
46	923 Outside services employed	185,265.34	(19,003.35)
47	924 Property insurance	22,233.60	2,757.58
48	925 Injuries and damages	10,294.64	704.77
49	926 Employee pensions and benefits	165,020.32	(127,380.35)
50	928 Regulatory commission expenses		
51	929 Duplicate charges - Cr		
52	930 Miscellaneous general expenses	30,944.17	2,098.72
53	931 Rents		
54	Total operation	664,805.09	(131,141.56)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**ADMINISTRATIVE AND GENERAL EXPENSES--Cont.**	$	$
2	Maintenance:		
3	932 Maintenance of general plant	3,068.00	(633.30)
4	933 Transportation expense	50,554.69	8,610.11
5	Total administrative and general expenses	718,427.78	(123,164.75)
	Total Electric Operation and Maintenance Expenses	7,063,488.45	541,869.54

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam power			
9	Nuclear power			
10	Hydraulic power			
11	Other power			
12	Other power supply expenses	5,603,614.79		5,603,614.79
13	Total power production expenses	5,603,614.79		5,603,614.79
14	Transmission Expenses			
15	Distribution Expenses	250,329.88	365,788.92	616,118.80
16	Customer Accounts Expenses	120,403.28		120,403.28
17	Sales Expenses	4,923.80		4,923.80
18	Administrative and General Expenses	664,805.09	53,622.69	718,427.78
19	Total Electric Operation and			
20	Maintenance Expenses	6,644,076.84	419,411.61	7,063,488.45

21	Ratio of operating expenses to operating revenues (carry out decimal two places,e.g.:0.00%)	98.45%
	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)	
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts	$957,993.99
23	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	9

ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)			Kilowatt-hours (b)
1	SOURCES OF ENERGY			
2	Generation (excluding station use):			
3	Steam			
4	Nuclear			
5	Hydro			
6	Other			
	Total Generation			
7	Purchases			48,514,742
8		In (gross)		**********
9	Interchanges	Out (gross)		**********
10		Net (kWh)		
12		Received		**********
13	Transmission for/by others (wheeling)	Delivered		**********
14		Net (kWh)		
15				
16	TOTAL			48,514,742
17	DISPOSITION OF ENERGY			
18	Sales to ultimate consumers(including interdepartmental sales)			44,668,914
19	Sales for resale			
20	Energy furnished without charge			
21	Energy used by the company(excluding station use):			
22	Electric Department only			170,640
23	Energy losses:			
24	Transmission and conversion losses		1870075.2	
25	Distribution losses			
26	Unaccounted for losses		2805112.8	
27	Total energy losses		4675188	4,675,188
28	Energy losses as percent of total on line 15	9.44%		
	Unaccounted Losses:	5.67%	TOTAL	49,514,742

MONTHLY PEAKS AND OUTPUT

1. Reports hereunder the information called for pertaining to simultaneous peaks estalished monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent. 2. Monthly peak col. (b) should be respondent's maximum kW load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) 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 intergrated.)
4. Monthy 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.

Rowley, MA System

Line No.	Month (a)	Monthly Peak: 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	8,357	Tuesday	1/2	1800-1900	60 MIN	4,395,771
30	February	7,480	Wednesday	2/7	1800-1900	60 MIN	3,595,894
31	March	7,269	Saturday	3/3	1700-1800	60 MIN	3,738,924
32	April	6,376	Monday	4/16	1300-1400	60 MIN	4,468,778
33	May	7,259	Tuesday	5/29	1700-1800	60 MIN	3,596,875
34	June	9,497	Friday	6/29	1700-1800	60 MIN	3,935,286
35	July	11,512	Thursday	7/5	1700-1800	60 MIN	5,043,024
36	August	12,162	Wednesday	8/29	1500-1600	60 MIN	5,162,412
37	September	11,568	Thursday	9/6	1500-1600	60 MIN	3,923,143
38	October	7,221	Wednesday	10/10	1600-1700	60 MIN	3,616,369
39	November	7,023	Wednesday	11/14	1900-2000	60 MIN	3,815,975
40	December	7,618	Tuesday	12/18	1800-1900	60 MIN	4,222,291
41						TOTAL	49,514,742

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxilaray equipment for increasing capacity.
6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage Primary (c)	Voltage Secondary (d)	Voltage Tertiary (e)	Capacity of Substation in kva (In Service) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Power House Road, Rowley	DISTRIBUTION	23,000	13,200		7,500	2	0	NONE		
2		UNATTENDED				15,500	1		NONE		
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32					TOTALS	22,500.	3	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles-Beginning of Year	49.17		49.17
2	Added During Year	0.023		0.023
3	Retired During Year	0		0
4	Miles-End of Year	49.193		49.193

Distribution System Characteristics--A.C. or D.C., phase, cycles and operating voltages for Light and Power.

3 Phase 4 Wire 2400/4160 Y 60 H2 AC to
120/240 1 Phase 3 Wire
240 3 Phase 3 Wire
480 3 Phase 3 Wire
120/240 3 Phase 4 Wire
277/480 3 Phase 4 Wire

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at Beginning of Year	2,387	3,118	768	27,855.0
17	Additions During the Year:				
18	Purchased	**********	12	32	1,172.5
19	Installed	19	**********	**********	**********
20	Associated with Utility Plant Aquired.		3	1	500.0
21	Total Addition	19	15	33	1,672.5
22	Reductions During the Year:				
23	Retirements	4	6	15	850.0
24	Associated with Utility Plant Sold..				
25	Total Reductions	4	6	15	850.0
26	Number at End of Year..	2,402	3,127	786	28,677.5
27	In Stock		160	122	5,964.0
28	Locked Meters on Customers' Premis				
29	Inactive Transformers on System			3	90.0
30	In Customers' Use		2,952	656	22,471.0
31	In Company's Use		15	5	152.5
32	Number at End of Year...		3,127	786	28,677.5

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

Report below the information called for concerning conduit, underground cable, and submarine cable at end of year

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All sizes & types) (b)	UnderGround Cable		Submarine Cable	
			Miles* (c)	Operating Voltage (d)	Feet (e)	Operating Voltage (f)
1	DISTRIBUTION		(2) 2.10	4.16kv		
2	DISTRIBUTION		(2) 5.98	13.20KV		
3	DISTRIBUTION		(2) 0.45	13.20KV		
4	545 Newburyport Turnpike (U-115)	(2) 2.00	(2) 1.00	13.20KV		
5	Wilkes Road (U-104)	(2) .156	(2) 0.284	13.20KV		
6	Wild Pasture Lane (U-117)	(2) 1.06	(2) 0.53	13.20KV		
7	Oakledge Circle (U-118)	(2) .42	(2) 0.21	13.20KV		
8	Arrowhead Circle (U-119)	(2) .42	(2) 0.21	13.20KV		
9	Dexter Lane (U-120)	(2) .50	(2) 0.25	13.20KV		
10	Gurczak Lane (U-109)	(2) .54	(2) 0.27	7.620KV		
11	Arbor Way (U-80)	(1) .07	(2) 0.07	7.620KV		
12	Ice Pond Drive (U-83)	(2) .30	(2) 0.15	7.620KV		
13	P32-1 Wethersfield to S-1 Saunders Lane	(2) .20	(2) 0.996	7.620KV		
14	Pole 7-1 to T-2 Dodge Road	(2) .20	(2) 0.103	7.620KV		
15	Pole 7-1 -E to P.M. Twin Hills Farm Rd.	(2) .16	(2) 0.080	7.620KV		
16	Pole 89 to P.M. Haverhill St	(2) .08	(2) 0.043	7.620KV		
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33						
34	TOTALS	6.106	12.726			

*Indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town	Total	Type							
			LED		Mercury Vapor		Metal Halide		Sodium	
			Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	ROWLEY	870	371	162	1	44	2	15	240	35
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52	**TOTALS**	870	371	162	1	44	2	15	240	35

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 predicated on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		COPIES OF RATES ATTACHED		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor

Manager of Electric Light

Selectmen or Members of the Municipal Light Board

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

_____ ss. _____ 2018

Then personally appeared _____

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

Notary Public or Justice of the Peace