

The Commonwealth of Massachusetts

RETURN

OF THE

TOWN OF

Groveland, Massachusetts

TO THE

**DEPARTMENT OF
TELECOMMUNICATIONS & ENERGY**

OF MASSACHUSETTS

For The Year Ended December 31,

2016

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

Michael Cloutier

Official title:

Manager

Office address:

944 Salem Street

Groveland, MA 01834

GENERAL INFORMATION

1. Name of town (or city) making report. Groveland, 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, ; No, Second vote: Yes, ; No,
 Date when town (or city) began to sell gas and electricity, 1907
3. Name and address of manager of municipal lighting:
 Michael J. Cloutier, 15 Byfield Road, Groveland, MA
4. Name and address of mayor or selectman:
 William Dunn, 10 Garrison St., Groveland MA
 Willaim G. Oneil, 45 Elm Park, Groveland, MA
 Edward Watson, 104 Washington St., Groveland, MA
 Daniel J MacDonald, 2 Wyka Lane, Groveland, MA
 Michael N. Wood, 8 School Street, Groveland, MA
5. Name and address of town (or city) treasurer:
 Denise M. Dembkoski, 8 Heritage Rd. Billerica, MA
6. Name and address of town (or city) clerk:
 Anne Brodie, 5 Fairview Circle, Groveland, MA
7. Names and addresses of members of municipal light board:
 Kermit Cross, 24 Elm Park, Groveland, MA
 Sean LaBelle, 5 Stocker Lane, Groveland, MA
 Stephen Daniels, 17 Stonebridge Road, Groveland, MA
8. Total valuation of estates in town (or city) according to last State Valuation \$ 922,750,769.00
9. Tax rate for all purposes during the year: \$ 14.68
10. Amount of manager's salary: \$ 151,803.56
11. Amount of manager's bond: \$ None
12. Amount of salary paid to members of municipal light board (each)
 Secretary's Salary \$ 1,000.00
 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
1	INCOME FROM PRIVATE CONSUMERS:	
2	From sales of gas	
3	From sales of electricity	5,600,000.00
4	Total	5,600,000.00
5	EXPENSES:	
6	For operation, maintenance and repairs.....	5,080,101.58
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund (3 per cent. on \$ 10,379,947.43 as per page 8B).....	311,398.42
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13		
14	Total	5,391,500.00
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.....	170,000.00
19	Of electricity to be used for street lights.....	38,500.00
20	Total of above items to be included in the tax levy.....	208,500.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	208,500.00

CUSTOMERS

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.		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	City or Town	Number of Customers' Meters, Dec. 31
		Groveland	2,756
Total		Total	2,756

APPROPRIATIONS SINCE BEGINNING OF YEAR
 (Include also all items charged direct to tax levy, even where no appropriation is made or required.)

FOR CONSTRUCTION OR PURCHASE OF PLANT:

*At meeting 19 , to be paid from !
 *At meeting 19 , to be paid from !

\$ _____

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

TOTAL \$ _____

- | | | | |
|----|---------------------------|----|------------|
| 1. | Street lights | \$ | 38,500.00 |
| 2. | Municipal buildings | \$ | 170,000.00 |
| 3. | | \$ | |

TOTAL 208,500.00

*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		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	When Payable			
Special	10-01-07	15,000.00					
Special	01-01-21	2,500.00					
Special	03-01-57	40,000.00					
Regular	02-01-63	28,000.00					
Special	01-20-64	45,000.00					
Regular	08-04-86	150,000.00					
Regular	06-15-91	500,000.00					
	TOTAL	780,500.00					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		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	When Payable			
4-26-2004	07-14-2005	1,000,000.00					
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.

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.....						

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).....	4,488,579.68	5,316,426.85	827,847.17
3	101 Utility Plant - gas (P.20).....			
4				
5	Total Utility Plant.....	4,488,579.68	5,316,426.85	827,847.17
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	3,042,871.04	3,319,108.13	276,237.09
14	128 Other Special Funds.....	1,215,347.87	1,263,536.56	48,188.69
15	Total Funds.....	4,258,218.91	4,582,644.69	324,425.78
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	(110,556.33)	(654,323.39)	(543,767.06)
18	132 Special Deposits.....	78,760.55	78,251.85	(508.70)
19	132 Working Funds.....	600.00	600.00	0.00
20	141 Notes Receivable.....			
21	142 Customer Accounts Receivable.....	88,803.93	95,170.61	6,366.68
22	143 Other Accounts Receivable.....			
23	146 Receivables from Municipality.....	0.00	0.00	0.00
24	151 Materials and Supplies (P.14).....	11,560.80	11,560.80	0.00
25				
26	165 Prepayments.....	756,820.83	757,852.72	1,031.89
27	174 Miscellaneous Current Assets.....	526.69	(293.65)	(820.34)
28	Total Current and Accrued Assets.....	826,516.47	288,818.94	(537,697.53)
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Losses.....			
32	183 Other Deferred Debits.....	23,687.52	29,760.76	6,073.24
33	Total Deferred Debits.....	23,687.52	29,760.76	6,073.24
34				
35	Total Assets and Other Debits.....	9,597,002.58	10,217,651.24	620,648.66

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	1,780,500.00	1,780,500.00	0.00
6	207 Appropriations for Construction Repayments.....	5,734.40	5,734.40	0.00
7	208 Unappropriated Earned Surplus (P.12).....	6,234,119.40	5,205,239.90	(1,028,879.50)
8	Total Surplus.....	8,020,353.80	6,991,474.30	(1,028,879.50)
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.....	355,971.05	308,964.67	(47,006.38)
15	234 Payables to Municipality.....			
16	235 Customer's Deposits.....	93,755.88	78,251.85	(15,504.03)
17	236 Taxes Accrued.....	0.00	0.00	0.00
18	237 Accrued Expenses	178,203.00	1,831,186.03	1,652,983.03
19	242 Miscellaneous Current and Accrued Liabilities..	526.69	(293.65)	(820.34)
20	Total Current and Accrued Liabilities.....	628,456.62	2,218,108.90	1,589,652.28
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt			
23	252 Customer Advances for Construction.....			
24	253 Other Deferred Credits.....			
25	Total Deferred Credits.....	0.00	0.00	0.00
26	RESERVES			
27	260 Reserves for Uncollectable Accounts.....	24,360.19	24,360.19	0.00
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves			
30	263 Pensions and Benefits.....			
31	265 Miscellaneous Operating Reserves.....			
32	Total Reserves.....	24,360.19	24,360.19	0.00
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....	923,831.97	983,707.85	59,875.88
35	Total Liabilities and Other Credits.....	9,597,002.58	10,217,651.24	620,648.66

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: \$35,000.00

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total	
		Current Year (b)	Increase of (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenue (P.37 and 43).....	5,427,349.58	(28,505.91)
3	Operating Expenses:		
4	401 Operation Expense (P.42 and 47).....	4,158,903.80	(70,191.37)
5	402 Maintenance Expense (P.42 and 47).....	328,185.21	(43,026.19)
6	403 Depreciation Expense.....	456,908.28	13,728.24
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P.49).....		
10	Total Operating Expenses.....	4,943,997.29	(99,489.32)
11	Operating Income.....	483,352.29	143,841.74
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income.....	483,352.29	70,983.41
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)		
17	419 Interest Income.....	179,901.93	59,848.76
18	421 Miscellaneous Nonoperating Income.....		
19	Total Other Income.....	179,901.93	59,848.76
20	Total Income.....	663,254.22	130,832.17
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	Total Income Deductions.....	0.00	
25	Income Before Interest Charge.....	663,254.22	130,832.17
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes.....	0.00	0.00
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	663,254.22	130,832.17

EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period).....		6,234,119.40
35			
36			
37	433 Balance Transferred from Income.....		663,254.22
38	434 Miscellaneous Credits to Surplus.....		
39	435 Miscellaneous Debits to Surplus.....	1,657,133.72	
40	436 Appropriations of Surplus (P.21).....	35,000.00	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	5,205,239.90	
43			
44	Totals	6,897,373.62	6,897,373.62

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund.....	(654,323.39)
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	
5	Rate stabilization fund.....	1,263,536.56
6	Light Opeb Fund.....	9,987.73
7		
8		
9		
10		
11		
12	TOTAL	619,200.90

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

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25).....		
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	11,560.80	
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 \$	11,560.80	

DEPRECIATION FUND ACCOUNT (Account 136)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year.....	3,042,871.04
26	Income during year from balance on deposit.....	119,328.81
27	Amount transferred from income.....	456,908.28
28		
29	TOTAL	3,619,108.13
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.).....	
32	Amounts expended for renewals, viz:-	
33	Amounts transferred to operation fund.....	300,000.00
34		
35		
36		
37		
38		
39	Balance on hand at end of year.....	3,319,108.13
40	TOTAL	3,619,108.13

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)
4. DISTRIBUTION PLANT							
1	360 Land and Land Rights.....	453,815.51					453,815.51
2	361 Structures and Improvements.....	773,598.06	1,010,505.34	41,792.16			1,742,311.24
3	362 Station Equipment.....	727,210.07	3,299.62	117,279.24			613,230.45
4	363 Storage Battery Equipment.....						
5	364 Poles, Towers and Fixtures.....	286,678.57	71,411.67	39,699.12			318,391.12
6	365 Overhead Conductors and Devices.....	742,993.36	68,638.73	97,698.84			713,933.25
7	366 Underground Conduits.....	8,306.15	4,984.33	2,899.20			10,391.28
8	367 Underground Conductors & Devices.....	97,731.63	11,167.73	15,324.00			93,575.36
9	368 Line Transformers.....	302,093.49	74,803.20	35,287.44			341,609.25
10	369 Services.....	46,798.97	17,292.61	11,093.40			52,998.18
11	370 Meters.....	370,664.18	5,777.84	20,236.32			356,205.70
12	371 Installation on Cust's Premises.....						
13	372 Leased Prop. on Cust's Premises.....						
14	373 Street Light and Signal Systems.....	38,816.11	6,524.18	10,656.60			34,683.69
15	Total Distribution Plant.....	3,848,706.10	1,274,405.25	391,966.32			4,731,145.03
16	5. GENERAL PLANT						
17	389 Land and Land Rights.....	384.00					384.00
18	390 Structures and Improvements.....	39,399.17		9,589.08			29,810.09
19	391 Office Furniture and Equipment.....	43,849.63	2,997.50	8,976.84			37,870.29
20	392 Transportation Equipment.....	458,466.11	1,332.32	35,689.20			424,109.23
21	393 Stores Equipment.....	1,425.89		131.64			1,294.25
22	394 Tools, Shop & Garage Equipment.....	86,228.56	6,020.38	8,803.56			83,445.38
23	395 Laboratory Equipment.....	5,517.80		963.24			4,554.56
24	396 Power Operated Equipment.....						
25	397 Communication Equipment.....	4,602.42		788.40			3,814.02
26	398 Miscellaneous Equipment.....	0.00					0.00
27	399 Other Tangible Property.....						
28	Total General Plant.....	639,873.58	10,350.20	64,941.96			585,281.82
29	Total Electric Plant in Service.....	4,488,579.68	1,284,755.45	456,908.28			5,316,426.85
30	104 Utility Plant Leased to Others.....						
31	105 Property Held for Future Use.....						
32	107 Construction Work in Progress.....						
33	Total Utility Plant Electric.....	4,488,579.68	1,284,755.45	456,908.28			5,316,426.85
34							

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
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	In Lieu of Tax Payment	35,000.00
35		
36		
37		
38		
39		
40		
	TOTAL	35,000.00

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	444	Municipal: (Other Than Street Lighting)	1,089,186	169,239.70	0.1554
6					
7					
8					
9					
10					
11					
12		TOTALS	1,089,186	169,239.70	0.1554
13		Street Lighting:			
14			284,166	9,244.08	0.0325
15					
16					
17					
18		TOTALS	284,166	9,244.08	0.0325
19		TOTALS	1,373,352	178,483.78	0.1300

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	Saddleback Ridge		1,047,001	67,797.48	0.0648
21	Con Ed Solar		4,859,010	185,633.62	0.0382
22	MacQuarie		12,001,800	439,265.88	0.0366
23	ISO of New England		3,230,241	1,497,875.46	0.4637
24	Pasny		2,685,791	61,812.99	0.0230
25	Miller Hydro		872,348	47,177.24	0.0541
26	National Grid Transmission		0	240,760.89	0.0000
27	Spruce Mountain		1,229,818	86,200.92	0.0701
28	NextEra		11,712,000	638,461.97	0.0545
29					
30					
31		TOTALS	37,638,009	3,264,986.45	0.0867

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)
32					
33					
34					
35					
36					
37					
38					
39					
40					
41		TOTALS			

ELECTRIC OPERATING REVENUES (Account 400)

Report below the amount of operating revenue for each prescribed account and the amount of increase or decrease over the preceding year. Increases and decreases are not derived from separately reported figures explain any inconsistencies. Number of customers should be reported on the number of meters, plus number of flat rate units, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

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

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	3,551,572.68	(47,281.46)	22,252,368	(905,000)	2,577	1	
442 Commercial and Industrial Sales:							
Small (or Commercial) see instr. 5	383,175.56	(8,305.93)	2,286,049	(110,456)	243	13	
Large (or Industrial) see instr. 5	1,213,633.25	75,502.45	8,298,931	358,274	24	0	
444 Municipal Sales (Page 22)	178,483.78	(21,731.15)	1,089,186	(365,754)	30	0	
445 Other Sales: Private Area Lighting	19,053.10	(271.70)	0	(114,580)	94	0	
446 Sales to Railroads and Railways							
448 Interdepartmental Sales							
449 Miscellaneous Sales							
Total Sales to Ultimate Consumers	5,345,918.37	(2,087.79)	33,926,534	(1,137,516)	2,968	14	
447 Sales for Resale							
Total Sales of Electricity*	5,345,918.37	(2,087.79)	33,926,534	(1,137,516)	2,968	14	
OTHER OPERATING REVENUES							
450 Forfeited Discounts							
451 Miscellaneous Service Revenues							
453 Sales of Water and Water Power	66,410.00	0.00					
454 Rent from Electric Property							
455 Interdepartmental Rents							
456 Other Electric Revenues	15,021.21	(31,353.12)					
Total Other Operating Revenues	81,431.21	(31,353.12)					
Total Electric Operating Revenue	5,427,349.58	(33,440.91)					
*Includes revenues from application of fuel clauses \$2,714,350.27							
Total KWH to which applied.....33,926,534							

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)	December 31, (f)
1	440	Rate - A	20,733,316	3,330,785.27	16.0649	2,460	2,493
3	440.1	Rate - T	1,519,052	220,787.41	14.5346	92	94
4	442.1	Rate - B	2,286,049	383,175.56	16.7615	230	230
5	442.2	Rate - C	8,265,979	1,208,277.86	14.6175	24	24
6	442.3	Rate - V	32,952	5,355.39	16.2521	1	1
7	444	Municipal	1,089,186	169,239.70	15.5382	30	30
8	444.1	St. Lights Municipal	288,860	9,244.08	3.2002	1	1
9	445	Private Area Lights	113,449	19,053.10	16.7944	92	94
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49	TOTAL SALES TO ULTIMATE CONSUMERS (Page 37 line 11		34,328,843	5,345,918.37	15.5727	2,930	2,967

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 of reservoirs, dams and waterways		
6	544 Maintenance of electric plant.....		
7	545 Maintenance of miscellaneous hydraulic plant.....		
8	Total maintenance.....		
9	Total power production expenses - hydraulic power.....		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering.....		
13	547 Fuel.....		
14	548 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.....	3,264,986.45	(76,005.05)
27	556 System control and load dispatching		
28	557 Other expenses.....	104,366.79	(17,679.86)
29	Total other power supply expenses.....	3,369,353.24	(93,684.91)
30	Total power production expenses.....	3,369,353.24	(93,684.91)
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.....	0.00	(1,097.37)
5	582 Station expenses.....	0.00	(1,017.65)
6	583 Overhead line expenses.....		
7	584 Underground line expenses.....	0.00	(488.91)
8	585 Street lighting and signal system expenses.....		
9	586 Meter expenses.....	999.24	(725.37)
10	587 Customer installations expenses.....		
11	588 Miscellaneous distribution expenses.....	8,615.67	(1,077.40)
12	589 Rents.....		
13	Total operation.....	9,614.91	0.00
14	Maintenance:		
15	590 Maintenance supervision and engineering.....		
16	591 Maintenance of structures.....		
17	592 Maintenance of station equipment.....	8,811.25	4,828.77
18	593 Maintenance of overhead lines.....	196,438.82	(39,385.48)
19	594 Maintenance of underground lines.....	7,145.66	5,294.19
20	595 Maintenance of line transformers.....	6,339.71	4,793.15
21	596 Maintenance of street lighting and signal systems.....	18,979.27	685.93
22	597 Maintenance of meters.....		
23	598 Maintenance of miscellaneous distribution plant.....	336.62	336.62
24	Total maintenance.....	238,051.33	(23,446.82)
25	Total distribution expenses.....	247,666.24	(23,446.82)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....		
29	902 Meter reading expenses.....	4,529.74	(10,420.46)
30	903 Customer records and collection expenses.....	157,739.45	(5,103.26)
31	904 Uncollectable accounts.....		
32	906 Conservation/efficiency.....		
33	Total customer accounts expenses.....	162,269.19	(15,523.72)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and selling expenses.....		
38	913 Advertising expenses.....	1,603.38	1,270.18
39	916 Miscellaneous sales expenses.....		
40	Total sales expenses.....	1,603.38	1,270.18
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries.....	174,089.77	12,395.61
44	921 Office supplies and expenses.....	20,416.67	360.13
45	922 Administrative expenses transferred - Cr.....		
46	923 Outside services employed.....	111,773.72	(11,828.81)
47	924 Property insurance.....	18,751.68	(2,989.80)
48	925 Injuries and damages.....	4,753.07	328.37
49	926 Employee pensions and benefits.....	230,134.14	7,786.30
50	928 Regulatory commission expenses.....		
51	929 Duplicate charges - Cr.....		
52	930 Miscellaneous general expenses.....	16,489.73	(3,552.32)
53	931 Rents.....		
54	Total operation.....	576,408.78	2,499.48

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.....	90,133.88	12,368.54
4	933 Transportation expense.....	39,654.29	7,706.38
5	Total administrative and general expenses.....	706,196.95	22,574.40
	Total Electric Operation and Maintenance Expenses.....	4,487,089.00	(108,810.87)

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.....	3,369,353.24		3,369,353.24
13	Total power production expenses.....	3,369,353.24		3,369,353.24
14	Transmission Expenses.....			
15	Distribution Expenses.....	9,614.91	238,051.33	247,666.24
16	Customer Accounts Expenses.....	162,269.19		162,269.19
17	Sales Expenses.....	1,603.38		1,603.38
18	Administrative and General Expenses.....	576,408.78	129,788.17	706,196.95
19	Total Electric Operation and			
20	Maintenance Expenses.....	4,119,249.50	367,839.50	4,487,089.00

21	Ratio of operating expenses to operating revenues (carry out decimal two places, e.g.:0.00%) <small>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).....</small>	92.44%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....	\$699,820.36
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.....	37,638,009
8	In (gross).....	*****
9	Interchanges.....	*****
10	Out (gross).....	
11	Net (kWh).....	
12	Received.....	*****
13	Transmission for/by others (wheeling).....	*****
14	Delivered.....	
15	Net (kWh).....	
16	TOTAL	37,638,009
17	DISPOSITION OF ENERGY	
18	Sales to ultimate consumers(including interdepartmental sales).....	35,064,050
19	Sales for resale.....	
20	Energy furnished without charge.....	
21	Energy used by the company(excluding station use):.....	
22	Electric Department only.....	76,676
23	Energy losses:	
24	Transmission and conversion losses.....	998913.2
25	Distribution losses.....	
26	Unaccounted for losses.....	1498369.8
27	Total energy losses.....	2497283
28	Energy losses as percent of total on line 15.....	6.64%
	Unaccounted Losses:.....	3.98%
	TOTAL	37,638,009

MONTHLY PEAKS AND OUTPUT

- | | |
|---|---|
| <p>1. Reports hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent. 2. Monthly peak col. (b) should be respondent's maximum kW load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) 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.</p> | <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes intergrated.)</p> <p>4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.</p> <p>5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.</p> |
|---|---|

Groveland, MA System

Line No.	Month (a)	Monthly Peak					Monthly Output (kWh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January.....	6525	Tuesday	1/5	1900-2000	60 MIN	3,312,054
30	February.....	6495	Sunday	2/14	1900-2000	60 MIN	2,988,020
31	March.....	5620	Wednesday	3/3	2000-2100	60 MIN	2,879,148
32	April.....	5670	Monday	4/4	2000-2100	60 MIN	2,610,123
33	May.....	6376	Tuesday	5/31	2000-2100	60 MIN	2,767,609
34	June.....	7241	Monday	6/20	2000-2100	60 MIN	3,187,304
35	July.....	8942	Friday	7/22	1900-2000	60 MIN	4,098,794
36	August.....	9370	Thursday	8/11	1900-2000	60 MIN	4,129,549
37	September.....	7808	Friday	9/9	2000-2100	60 MIN	2,999,641
38	October.....	5152	Tuesday	10/25	1900-2000	60 MIN	2,698,360
39	November.....	5689	Monday	11/28	1900-2000	60 MIN	2,815,494
40	December.....	6843	Wednesday	12/19	1900-2000	60 MIN	3,151,913
41	TOTAL						37,638,009

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 3000 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.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment			
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment of Units (i)	Number of Units (j)	Total Capacity (k)	
1	Main Street, Groveland, MA	DISTRIBUTION UNATTENDED	23,000	2400/4160		14,490	9	0	NONE			
2												
3												
4	Main Street, Groveland, MA	DISTRIBUTION UNATTENDED	23,000	13,800		21,000	2	0	NONE			
5												
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31												
32	TOTALS						35,490	11	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles-Beginning of Year.....	69.17		69.17
2	Added During Year.....	0.47		0.47
3	Retired During Year.....	0.25		0.25
4	Miles-End of Year.....	69.89		69.89
5				
6				
7				
8	Distribution System Characteristics--A.C. or D.C., phase, cycles and operating voltages for Light and Power.			
9				
10	A.C. Single Phase + Three Phase 60 cycle 120 volts			
11	120/240 Volts 120/208 Volts 2400 Volts			
12	2400/4160 Volts, 7970 Volts, 13800 Volts			
13				
14				
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at Beginning of Year	2,329	2,961	695	32,949.5
17	Additions During the Year:				
18	Purchased.....	*****	13	35	1,380.0
19	Installed.....	13	*****	*****	*****
20	Associated with Utility Plant Aquired.				
21	Total Addition	13	13	35	1,380.0
22	Reductions During the Year:				
23	Retirements.....	11	11	45	1218.50
24	Associated with Utility Plant Sold..				
25	Total Reductions.....	11	11	45	1,218.5
26	Number at End of Year.....	2,331	2,963	685	33,111.0
27	In Stock.....		138	150	7,185.0
28	Locked Meters on Customers' Premis		9		
29	Inactive Transformers on System.....				
30	In Customers' Use.....		2,799	536	27,189.5
31	In Company's Use.....		4		
32	Number at End of Year.....		2,950	686	34,374.5

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)	UnderGround Cable			Submarine Cable	
		Miles of Conduit Bank (All sizes & types) (b)	Miles* (c)	Operating Voltage (d)	Feet (e)	Operating Voltage (f)
1	Dion Drive	(4)	(1)	4.16KV		
2	Estys Woods	(4)	(1)	4.16KV		
3	Everygreen Lane PH-1	(4)	(1)	4.16KV		
4	Everygreen Lane PH-2	(4)	(1)	4.16KV		
5	Federal Way	(4)	(1)	4.16KV		
6	Groveland Commons	(4)	(3)	4.16KV		
7	Hemlock	(4)	(3)	4.16KV		
8	Hillview	(4)	(1)	4.16KV		
9	Johnson Pond Estates	(4)	(1)	4.16KV		
10	Johnson Pond Estates	(4)	(3)	4.16KV		
11	King Street Blueberry Farm	(4)	(1)	4.16KV		
12	Kings Way	(2.5)	(1)	4.16KV		
13	Linsey Way	(4)	(1)	4.16KV		
14	Madison Avenue	(4)	(1)	4.16KV		
15	Main Street	(2)	(1)	4.16KV		
16	Mathew Drive	(6)	(3)	4.16KV		
17	Marion Drive	(4)	(1)	4.16KV		
18	Mary Lee Lane	(4)	(1)	4.16KV		
19	Merrimac River Road	(2.5)	(1)	4.16KV		
20	Milbury Street	(4)	(1)	4.16KV		
21	Nora Lane	(4)	(1)	4.16KV		
22	Old Farm Road	(4)	(1)	4.16KV		
23	Parker Circle	(4)	(1)	4.16KV		
24	Pheasant Lane	(4)	(1)	4.16KV		
25	Pineau	(4)	(1)	4.16KV		
26	Pinewood Meadows	(4)	(1)	13.80KV		
27	Savory Lane	(4)	(1)	4.16KV		
28	Salem Street	(4)	(1)	4.16KV		
29	School Street	(4)	(1)	4.16KV		
30	Stonebridge	(4)	(3)	4.16KV		
31	Tallyshire	(4)	(3)	4.16KV		
32	Washington Street	(4)	(1)	4.16KV		
33	Wayka Lane	(4)	(3)	4.16KV		
34		(4)	(1)	4.16KV		
TOTALS			10.253			

*Indicate number of conductors per cable

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
<p>NO RATE CHANGE COPIES OF RATES ATTACHED</p>				

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor

M. J. Clate

Manager of Electric Light

Sean J. Bell
[Signature]
Hermit Lus

}
Selectmen
or
Members
of the
Municipal
Light
Board

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

_____ ss. _____ 2016

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