

MUNICIPAL LIGHTING PLANTS

The Commonwealth of Massachusetts

RETURN

OF THE

TOWN OF WAKEFIELD MUNICIPAL GAS AND LIGHT DEPARTMENT

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2012

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

Eugene J. Sullivan Jr.

Official Title: **Assistant Manager**

Office Address:

**9-11 Albion Street
Wakefield, MA. 01880**

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FOR GAS PLANTS ONLY:

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GENERAL INFORMATION

1. Name of town (or city) making this report. Town of Wakefield

2. If the town (or city) has acquired a plant,
 - Kind of plant, whether gas or electric. Gas & 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 electricity, Year 1894

3. Name and address of manager of municipal lighting:
 - Peter Dion
 - 98 Spofford Street
 - Georgetown, MA 01833

4. Name and address of mayor or selectmen
 - Albert J. Turco, 16 Indian Ln. Wakefield, MA.
 - Patrick S Glynn, 30 Coolidge Pk. Wakefield, MA
 - John B. Encarnacao, 15 Walton St. Wakefield, MA
 - James Good, 54 Outlook Rd. Wakefield, MA.
 - Betsy Sheeran, 27 Spruce St. Wakefield, MA.
 - Paul R. Dinocco, 17 Wiley Street, Wakefield, MA
 - Tiziano Doto, 140 Harrison Ave. Wakefield, MA

5. Name and address of town (or city) treasurer:
 - John J. McCarthy Jr.
 - 11 Morningside Rd.
 - Wakefield, MA.

6. Name and address of town (or city) clerk:
 - Mary K. Galvin
 - 340 Albion St
 - Wakefield, MA.

7. Names and addresses of members of municipal light board:
 - Kenneth J. Chase Jr., Chairman, 10 Mountain Ave. Wakefield, MA.
 - Michael Giannattasio, Secretary, 19 Hickory Hill Rd, Wakefield, MA
 - Kevin T. Haggerty, 380 Vernon Street. Wakefield, MA
 - Michael P. McCarthy, 8 McDonald Farm Rd. Wakefield, MA.
 - John J. Warchol, 10 Richardson Ave. Wakefield, MA.

8. Total valuation of estates in town (or city) according to last state valuation \$3,833,762,128.00

9. Tax rate for all purposes during the year:

Jan-Jun	Jul-Dec
Residential - 11.90	Residential - 12.29
Commercial - 24.18	Commercial - 24.97

10. Amount of manager's salary: \$145,867.00

11. Amount of manager's bond: \$50,000.00

12. Amount of salary paid to members of municipal light board (each) \$138.00

NOTE

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR ENDING DECEMBER 31, NEXT

INCOME FROM PRIVATE CONSUMERS:		
1	FROM SALES OF GAS.....	\$9,000,000.00
2	FROM SALE OF ELECTRICITY	\$27,000,000.00
3	FROM RATE STABILIZATION FUND.....	
4		TOTAL \$36,000,000.00
5	Expenses:	
6	For operation, maintenance and repairs.....	\$32,000,000.00
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund (4% on \$ 22,661,948), 5% on \$ 27,339,729.....	\$2,273,464.00
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13		TOTAL \$34,273,464.00
14		
15	Cost:	
16	Of gas to be used for municipal buildings.....	\$400,000.00
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	\$1,050,000.00
19	Of electricity to be used for street lights.....	\$225,000.00
20	Total of the above items to be included in the tax levy.....	\$1,675,000.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$1,675,000.00

CUSTOMERS

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
Wakefield	6,437	Wakefield	12,301
TOTAL	6,437	TOTAL	12,301

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT:

* At	meeting	19	, to be paid from {	\$
* At	meeting	19	, to be paid from {	\$

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

1. Street Lights.....	\$	225,000.00
2. Municipal Buildings.....		1,450,000.00
	\$	1,675,000.00

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

CHANGES IN THE PROPERTY

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

In electric property:

The Department continues to convert its 5KV system to 13.8 KV. This will increase the reliability of the electrical service to customers. We have continued to replace our air circuit breakers. The replacement will allow us to continue to use our current substations well into the future.

In gas property:

We continue to take gas through our new meter and regulator facility. We also have continued the process of replacing some of our cast iron mains with plastic mains and old bare steel services with plastic services.

BONDS
(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding
			Amounts	When Payable	Rate	When Payable	
July 1894	October 1894	\$180,000.00					
May-1904	Jul-1904	\$10,000.00					
May-1909	Jun-1909	\$25,000.00					
Nov-1920	Dec-1920	\$25,000.00					
Apr-1922	Oct-1922	\$45,000.00					
Dec-1922	Mar-1923	\$50,000.00					
Jun-1923	Jul-1923	\$25,000.00					
Jun-1923	Jul-1923	\$30,000.00					
Mar-1924	Aug-1924	\$45,000.00					
Mar-1925	Aug-1925	\$20,000.00					
Oct-1951	Apr-1952	\$90,000.00					
Mar-1971	Sep-1971	\$300,000.00					
Mar-1971	Jul-1972	\$700,000.00					
Mar-1971	Oct-1972	\$250,000.00					
	Total	\$1,795,000.00	\$0.00				0.00

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

*Date of meeting and whether regular or special

TOWN NOTES
(ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING)

When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount of Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Nov-1904	Dec-1904	\$3,300.00					
Nov-1905	Sep-1905	\$5,000.00					
Jun-1913	Jul-1913	\$4,000.00					
Mar-1914	May-1914	\$6,000.00					
	TOTAL	\$18,300.00					\$0.00

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

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	\$208,521.53	\$0.00	\$0.00	\$0.00		\$208,521.53
3	361 Structures and Improvements	\$655,718.94	\$25,454.00	\$81,619.05	\$0.00		\$599,553.89
4	362 Station Equipment	\$5,616,840.26	\$106,433.39	\$0.00	\$0.00		\$5,723,273.65
5	363 Storage Battery Equipment	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
6	364 Poles, Towers and Fixtures	\$1,497,373.81	\$102,205.18	\$12,778.32	\$0.00		\$1,586,800.67
7	365 Overhead Conductors and Devices	\$5,182,871.33	\$895,208.31	\$14,432.38	\$0.00		\$5,863,647.26
8	366 Underground Conduits	\$1,674,449.06	\$47,510.99	\$0.00	\$0.00		\$1,721,960.05
9	367 Underground Conductors & Devices	\$5,005,602.39	\$256,477.96	\$0.00	\$0.00		\$5,262,080.35
10	368 Line Transformers	\$3,025,693.48	\$214,894.35	\$128,152.67	\$0.00		\$3,112,435.16
11	369 Services	\$930,765.38	\$50,800.85	\$8,789.40	\$0.00		\$972,776.83
12	370 Meters	\$987,766.66	\$48,809.00	\$50,519.53	\$0.00		\$986,056.13
13	371 Installation on Cust's Premises	\$128,683.37	\$5,975.92	\$6,439.98	\$0.00		\$128,219.31
14	372 Leased Prop. on Cust's Premises	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
15	373 Street Light and Signal Systems	\$523,266.32	\$92,270.24	\$40,842.12	\$0.00		\$574,693.44
16	Total Distribution Plant	\$25,447,551.53	\$1,646,040.19	\$343,873.45	\$0.00	\$0.00	\$26,750,018.27
17	5. GENERAL PLANT						
18	389 Land and Land rights	\$500.00	\$0.00	\$0.00	\$0.00		\$500.00
19	390 Structures and Improvements	\$161,819.61	\$0.00	\$0.00	\$0.00		\$161,819.61
20	391 Office Furniture and Equipment	\$241,549.60	\$9,246.38	\$16,165.09	\$0.00		\$234,630.89
21	392 Transportation Equipment	\$118,278.64	\$22,057.89	\$0.00	\$0.00		\$140,336.53
22	393 Stores Equipment	\$6,466.83	\$0.00	\$0.00	\$0.00		\$6,466.83
23	394 Tools, Shop and Garage Equipment	\$78,648.24	\$23,489.57	\$4,619.18	\$0.00		\$97,516.63
24	395 Laboratory Equipment	\$10,975.00	\$0.00	\$7,500.00	\$0.00		\$3,475.00
25	396 Power Operated Equipment	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
26	397 Communication Equipment	\$63,118.76	\$11,296.73	\$0.00	\$0.00		\$74,415.49
27	398 Miscellaneous Equipment	\$76,711.75	\$2,857.50	\$0.00	\$0.00		\$79,569.25
28	399 Other Tangible Property	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
29	Total General Plant	\$758,068.43	\$66,948.07	\$28,284.27	\$0.00	\$0.00	\$798,732.23
30	Total Electric Plant in Service	\$26,205,619.96	\$1,714,988.26	\$371,857.72	\$0.00	\$0.00	\$27,548,750.50
31	TOTAL COST OF PLANT						
32	Less Cost of Land, Land Rights, and Rights of Way						
33	Total Cost upon which depreciation is based						
34	\$27,339,728.97						

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

	Balance Beginning of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
DISTRIBUTION PLANT						
365 Land and Land Rights	\$218,905.36	\$0.00	\$0.00	\$0.00	\$0.00	\$218,905.36
366 Structures and Improvements	\$1,856,244.70	\$0.00	\$27,206.32	\$0.00	\$0.00	\$1,829,038.38
367 Mains	\$12,326,047.81	\$1,052,835.38	\$29,838.78	\$0.00	\$0.00	\$13,349,044.41
369 Measuring and Regulating Equip.	\$117,499.21	\$23,958.58	\$0.00	\$0.00	\$0.00	\$141,457.79
380 Services	\$4,432,534.19	\$566,564.16	\$36,281.78	\$0.00	\$0.00	\$4,962,816.57
381 Meters	\$994,710.37	\$73,858.45	\$13,184.70	\$0.00	\$0.00	\$1,055,384.12
382 Meter Installation	\$471,822.81	\$179,241.23	\$25,511.29	\$0.00	\$0.00	\$625,552.75
Total Distribution Plant	\$20,417,764.45	\$1,896,457.80	\$132,022.87	\$0.00	\$0.00	\$22,182,199.38
GENERAL PLANT						
389 Land and Land Rights	\$500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00
390 Structures and Improvements	\$108,397.25	\$4,869.76	\$0.00	\$0.00	\$0.00	\$108,397.25
391 Office Furniture and Equipment	\$117,928.59	\$45,258.00	\$45,198.49	\$0.00	\$0.00	\$77,599.86
392 Transportation Equipment	\$295,906.24	\$0.00	\$125,576.00	\$0.00	\$0.00	\$215,588.24
393 Stores Equipment	\$6,482.48	\$0.00	\$0.00	\$0.00	\$0.00	\$6,482.48
394 Tools, Shop and Garage Equipment	\$175,293.19	\$9,269.17	\$7,925.89	\$0.00	\$0.00	\$176,636.47
395 Laboratory Equipment	\$39,600.00	\$0.00	\$3,050.00	\$0.00	\$0.00	\$36,550.00
396 Power Operated Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
397 Communication Equipment	\$19,075.43	\$505.62	\$0.00	\$0.00	\$0.00	\$19,581.05
398 Miscellaneous Equipment	\$55,386.33	\$7,147.50	\$4,715.34	\$0.00	\$0.00	\$57,818.49
399 Other Tangible Property	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total General Plant	\$818,569.51	\$67,050.05	\$186,465.72	\$0.00	\$0.00	\$699,153.84
Total Gas Plant in Service	\$21,236,333.96	\$1,963,507.85	\$318,488.59	\$0.00	\$0.00	\$22,881,353.22
					Less: Land.....	\$219,405.36
					Total Cost for	
					Depreciation.....	\$22,661,947.86

COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	UTILITY PLANT			
2	101 Utility Plant -Electric.....	\$3,356,124.53	\$3,633,730.99	\$277,606.46
3	101 Utility Plant- Gas	\$13,135,774.84	\$14,204,545.87	\$1,068,771.03
4	123 Investment in Associated Companies.....			
5	Total Utility Plant.....	\$16,491,899.37	\$17,838,276.86	\$1,346,377.49
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....	\$332,344.77	\$333,265.13	\$920.36
13	126 Depreciation Fund (P. 14).....	\$1,676,346.86	\$1,684,616.58	\$8,269.72
14	128 Other Special Funds.....		\$984,146.00	\$984,146.00
15	Total Funds.....	\$2,008,691.63	\$3,002,027.71	\$993,336.08
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	(\$3,198,706.20)	(\$4,206,103.86)	(\$1,007,397.66)
18	132 Special Deposits.....	\$988,031.22	\$1,043,656.22	\$55,625.00
19	132 Working Funds.....	\$700.00	\$700.00	\$0.00
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	\$4,502,133.08	\$4,446,744.40	(\$55,388.68)
22	143 Other Accounts Receivable.....	\$344,783.84	\$2,812,050.23	\$2,467,266.39
23	146 Receivables from Municipality.....	\$116,884.48	\$237,032.37	\$120,147.89
24	151 Materials and Supplies (P. 14).....	\$649,558.32	\$999,820.70	\$350,262.38
25				
26	165 Prepayments.....	\$4,172,831.03	\$4,194,514.84	\$21,683.81
27	174 Miscellaneous Current Assets			
28	Total Current and Accrued Assets...	\$7,576,215.77	\$9,528,414.90	\$1,952,199.13
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....	\$0.00	\$0.00	\$0.00
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....	\$0.00	\$0.00	\$0.00
33	Total Deferred Debits.....	\$0.00	\$0.00	\$0.00
34				
35	Total Assets and Other Debits.....	\$26,076,806.77	\$30,368,719.47	\$4,291,912.70

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	APPROPRIATIONS			
2	201 Appropriations for Construction.....			
3	SURPLUS			
4	205 Sinking Fund Reserves.....	\$332,344.77	\$333,265.13	\$920.36
5	206 Loans Repayment.....	\$1,813,300.00	\$1,813,300.00	\$0.00
6	207 Appropriations for Construction Repayment..	\$51,632.86	\$51,632.86	\$0.00
7	208 Unappropriated Earned Surplus (P. 12).....	\$18,964,798.58	\$22,912,988.25	\$3,948,189.67
8	Total Surplus.....	\$21,162,076.21	\$25,111,186.24	\$3,949,110.03
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.....	\$122,509.28	\$164,336.81	\$41,827.53
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....	\$988,031.22	\$1,043,656.22	\$55,625.00
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....	\$0.00	\$0.00	\$0.00
19	242 Miscellaneous Current and Accrued Liabilities	\$1,594,711.22	\$1,854,609.71	\$259,898.49
20	Total Current and Accrued Liabilities...	\$2,705,251.72	\$3,062,602.74	\$357,351.02
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt.....	\$0.00	\$0.00	\$0.00
23	252 Customer Advance for Construction.....	\$1,514,228.69	\$434,836.37	(\$1,079,392.32)
24	253 Other Deferred Credits.....	\$0.00	\$0.00	\$0.00
25	Total Deferred Credits	\$1,514,228.69	\$434,836.37	(\$1,079,392.32)
26	RESERVES			
27	280 Reserves for Uncollectable Accounts.....	\$695,250.15	\$556,200.12	(\$139,050.03)
28	281 Property Insurance Reserve.....			
29	282 Injuries and Damages Reserves.....			
30	283 Pensions and Benefits.....			
31	285 Miscellaneous Operating Reserves.....			
32	Total Reserves.....	\$695,250.15	\$556,200.12	(\$139,050.03)
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....		\$1,203,894.00	\$1,203,894.00
35	Total Liabilities and Other Credits	\$26,076,806.77	\$30,368,719.47	\$4,291,912.70

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.

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	OPERATING INCOME		
2	400 Operating Revenue (P. 37 and P. 43)	\$34,682,334.49	(\$107,359.39)
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	\$26,658,399.42	(\$2,407,185.86)
5	402 Maintenance Expense (P. 42).....	\$1,541,502.07	\$139,993.22
6	403 Depreciation Expense	\$2,140,507.06	\$87,753.15
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....	\$535,348.65	\$41,919.12
10	Total Operating Expenses.....	\$30,875,757.20	(\$2,137,520.37)
11	Operating Income.....	\$3,806,577.29	\$2,030,160.98
12	414 Other Utility Operating Income (P.50).....	\$0.00	\$0.00
13			
14	Total Operating Income.....	\$3,806,577.29	\$2,030,160.98
15	OTHER INCOME		
16	415 income from Merchandising, Jobbing, and Contract Work (P. 51)	\$785,591.98	\$1,355,493.08
17	419 Interest Income.....	\$41,385.61	(\$8,664.00)
18	421 Miscellaneous Income.....		
19	Total Other income.....	\$826,977.59	\$1,346,829.08
20	Total Income.....	\$4,633,554.88	\$3,376,990.06
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	Total Income Deductions.....	\$0.00	\$0.00
25	Income before interest Charges.....	\$4,633,554.88	\$3,376,990.06
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.....		
30	431 Other Interest Expense.....	\$1,834.48	(\$3,151.57)
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	\$1,834.48	(\$3,151.57)
33	Net Income.....	\$4,631,720.40	\$3,380,141.63
	EARNED SURPLUS		
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		\$18,964,798.58
35			
36			
37	433 Balance transferred from Income.....		\$4,631,720.40
38	434 Miscellaneous Credits to Surplus.....		\$377,580.89
39	435 Miscellaneous Debits to Surplus.....	\$803,708.98	
40	436 Appropriations of Surplus (P.21).....	\$920.36	
41	437 Surplus Applied to Depreciation.....	\$256,482.28	
42	208 Unappropriated Earned Surplus (at end of period).....	\$22,912,988.25	
43			
44	TOTALS	\$23,974,099.87	\$23,974,099.87

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Electric		Gas	
		Current Year	Increase or (Decrease) from Preceding Year	Current Year	Increase or (Decrease) from Preceding Year
1	OPERATING INCOME				
2	400 Operating Revenue (P. 37 and P. 43)	\$26,617,923.95	\$1,194,068.24	\$8,064,410.54	(\$1,301,427.63)
3	Operating Expenses:				
4	401 Operation Expense (P.42).....	\$20,555,857.66	(\$1,978,445.88)	\$6,102,541.76	(\$428,739.98)
5	402 Maintenance Expense (P. 42).....	\$1,187,935.68	\$175,201.87	\$353,566.39	(\$35,208.65)
6	403 Depreciation Expense	\$1,299,829.92	\$60,406.28	\$840,677.14	\$27,346.87
7	407 Amortization of Property Losses.....				
8					
9	408 Taxes (P. 48).....	\$499,793.28	\$66,573.28	\$35,555.37	(\$24,654.16)
10	Total Operating Expenses.....	\$23,543,416.54	(\$1,676,264.45)	\$7,332,340.66	(\$461,255.92)
11	Operating Income.....	\$3,074,507.41	\$2,870,332.69	\$732,069.88	(\$840,171.71)
12	414 Other Utility Operating Income (P.50).....				
13					
14	Total Operating Income.....	\$3,074,507.41	\$2,870,332.69	\$732,069.88	(\$840,171.71)
15	OTHER INCOME				
16	415 Inc. from Merch., Jobbing, and Contract Work (P. 51)	\$680,831.88	\$1,273,239.76	\$104,760.10	\$82,253.32
17	419 Interest Income.....	\$40,094.81	(\$9,246.97)	\$1,290.80	\$582.97
18	421 Miscellaneous Income.....				
19	Total Other Income.....	\$720,926.69	\$1,263,992.79	\$106,050.90	\$82,836.29
20	Total Income.....	\$3,795,434.10	\$4,134,325.48	\$838,120.78	(\$757,335.42)
21	MISCELLANEOUS INCOME DEDUCTIONS				
22	425 Miscellaneous Amortization.....				
23	426 Other Income Deductions.....				
24	Total Income Deductions.....	\$0.00	\$0.00	\$0.00	\$0.00
25	Income before Interest Charges.....	\$3,795,434.10	\$4,134,325.48	\$838,120.78	(\$757,335.42)
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.....				
30	431 Other Interest Expense.....	\$1,378.34	(\$2,463.79)	\$456.14	(\$687.78)
31	432 Interest Charged to Construction-Credit.....				
32	Total Interest Charges	\$1,378.34	(\$2,463.79)	\$456.14	(\$687.78)
33	Net Income.....	\$3,794,055.76	\$4,136,789.27	\$837,664.64	(\$756,647.64)

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund.....	(\$4,206,103.86)
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	\$0.00
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	(\$4,206,103.86)

MATERIALS AND SUPPLIES (Account 151-159, 163)
Summary per Balance Sheet

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25).....		
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	\$708,881.97	\$290,938.73
17	Merchandise (Account 155).....		
18	Other Materials and Supplies (Account 156).....		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)		
21	Nuclear Byproduct Materials (Account 159).....		
22	Stores Expense (Account 163).....		
23	Total per Balance Sheet	\$708,881.97	\$290,938.73

Depreciation Fund Account (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of Account at Beginning of Year.....	\$1,676,346.86
26	Income During Year from Balance on Deposit.....	\$8,269.72
27	Amount Transferred from Income.....	\$2,140,507.06
28	TOTAL	\$3,825,123.64
29		
30	CREDITS	
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)	\$2,140,507.06
32	Amounts Expended for Renewals.....	
33	Adjustment	\$0.00
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	\$1,684,616.58
40	TOTAL	\$3,825,123.64

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.....	\$208,521.53	\$0.00	\$0.00	\$0.00		\$208,521.53
3	361 Structures and Improvements.....	\$177,157.01	\$25,454.00	\$40,012.68	\$81,619.05		\$80,979.28
4	362 Station Equipment.....	\$276,380.42	\$108,433.39	\$52,235.72	\$0.00		\$330,578.09
5	363 Storage Battery Equipment.....	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
6	364 Poles and Fixtures.....	\$80,347.26	\$102,205.18	\$14,973.74	\$333.37		\$167,245.33
7	365 Overhead Conductors and Devices.....	\$1,031,216.83	\$695,208.31	\$536,754.70	\$0.00		\$1,189,670.44
8	366 Underground Conductors.....	\$248,945.04	\$47,510.99	\$66,977.96	\$0.00		\$199,478.07
9	367 Underground Conductors and Devices	\$349,550.25	\$256,477.96	\$200,224.10	\$0.00		\$405,804.11
10	368 Line Transformers.....	\$133,448.90	\$214,894.35	\$18,012.06	\$22,407.60		\$307,923.59
11	369 Services.....	\$16,040.08	\$50,800.85	\$9,307.65	\$2,277.12		\$56,256.16
12	370 Meters.....	\$338,213.95	\$48,809.00	\$249,441.67	\$27,798.42		\$109,782.86
13	371 Installation on Cust's Premises....	\$105,432.78	\$5,975.92	\$32,170.84	\$0.00		\$79,237.86
14	372 Leased Prop. on Cust's Premises....	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
15	373 Street Light and Signal Systems....	\$7,291.04	\$92,270.24	\$2,083.06	\$3,116.32		\$94,351.90
16	Total Distribution Plant	\$2,942,545.09	\$1,646,040.19	\$1,222,204.18	\$137,551.88	\$0.00	\$3,228,829.22
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	\$500.00	\$0.00	\$0.00	\$0.00		\$500.00
19	390 Structures and Improvements.....	\$3,883.65	\$0.00	\$3,883.65	\$0.00		\$0.00
20	391 Office Furniture and Equipment.....	\$190,966.42	\$9,246.38	\$47,678.61	\$0.00		\$152,534.19
21	392 Transportation Equipment.....	\$69,603.66	\$22,057.89	\$23,655.73	\$0.00		\$68,005.81
22	393 Stores Equipment.....	\$1,796.93	\$0.00	\$0.00	\$0.00		\$1,796.93
23	394 Tools, Shop and Garage Equipment..	\$39,307.21	\$23,489.57	\$0.00	\$0.00		\$62,796.78
24	395 Laboratory Equipment.....	\$74.90	\$0.00	\$0.00	\$0.00		\$74.90
25	396 Power Operated Equipment.....	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
26	397 Communication Equipment.....	\$51,110.48	\$11,296.73	\$2,322.87	\$0.00		\$60,084.34
27	398 Miscellaneous Equipment.....	\$56,336.20	\$2,857.50	\$84.88	\$0.00		\$59,108.82
28	399 Other Tangible Property.....	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
29	Total General Plant	\$413,579.44	\$68,948.07	\$77,625.74	\$0.00	\$0.00	\$404,901.77
30	Total Electric Plant in Service	\$3,356,124.53	\$1,714,988.26	\$1,299,829.92	\$137,551.88	\$0.00	\$3,633,730.99
31	104 Utility Plant leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....						
34	108 Accumulated Depreciation						
34	Total Utility Electric Plant	\$3,356,124.53	\$1,714,988.26	\$1,299,829.92	\$137,551.88	\$0.00	\$3,633,730.99

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

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of year	NOT APPLICABLE				
2	Received During Year					
3	TOTAL					
4	Used During Year (Note A)					
5						
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF					
13	BALANCE END OF YEAR					
Line No.	Item (g)	Kinds of Fuel and Oil -- Continued				
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)	
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

	Balance Beginning of Year	Additions	Depreciation	Other Credits	Transfers	Balance December 31
DISTRIBUTION PLANT						
365 Land and Land Rights	\$218,905.36	\$0.00	\$0.00	\$0.00	\$0.00	\$218,905.36
366 Structures and Improvements	\$1,162,602.90	\$0.00	\$73,161.53	\$27,206.32	\$0.00	\$1,062,235.05
367 Mains	\$8,444,301.55	\$1,052,835.38	\$441,596.79	\$7,568.54	\$0.00	\$9,047,971.60
369 Measuring and Regulating Equip.	\$96,325.94	\$23,958.58	\$4,699.97	\$0.00	\$0.00	\$115,584.55
380 Services	\$2,180,507.39	\$566,564.16	\$177,301.37	\$12,453.08	\$0.00	\$2,557,317.10
381 Meters	\$377,173.31	\$73,858.45	\$39,788.41	\$6,831.74	\$0.00	\$404,411.61
382 Meter Installation	\$276,229.33	\$179,241.23	\$18,872.91	\$0.00	\$0.00	\$436,597.65
Total Distribution Plant	\$12,756,045.78	\$1,896,457.80	\$755,420.98	\$54,059.68	\$0.00	\$13,843,022.92
GENERAL PLANT						
389 Land and Land Rights	\$500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00
390 Structures and Improvements	\$2,828.65	\$0.00	\$2,828.65	\$0.00	\$0.00	(\$0.00)
391 Office Furniture and Equipment	\$61,470.13	\$4,869.76	\$15,825.94	\$0.00	\$0.00	\$50,513.95
392 Transportation Equipment	\$161,588.64	\$45,258.00	\$52,045.45	\$0.00	\$0.00	\$154,801.19
393 Stores Equipment	\$1,670.57	\$0.00	\$324.13	\$0.00	\$0.00	\$1,346.44
394 Tools, Shop and Garage Equipment	\$85,727.57	\$9,269.17	\$8,764.65	\$0.00	\$0.00	\$86,232.09
395 Laboratory Equipment	\$20,847.50	\$0.00	\$1,980.00	\$0.00	\$0.00	\$18,867.50
396 Power Operated Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
397 Communication Equipment	\$15,574.68	\$505.62	\$953.77	\$0.00	\$0.00	\$15,126.53
398 Miscellaneous Equipment	\$29,521.32	\$7,147.50	\$2,533.57	\$0.00	\$0.00	\$34,135.25
399 Other Tangible Property	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total General Plant	\$379,729.06	\$67,050.05	\$85,256.16	\$0.00	\$0.00	\$361,522.95
Total Gas Plant in Service	\$13,135,774.84	\$1,963,507.85	\$840,677.14	\$54,059.68	\$0.00	\$14,204,545.87
104 Utility Plant leased to Others	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
105 Property Held for Future Use	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
107 Construction Work In Progress	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Utility Plant - Gas	\$13,135,774.84	\$1,963,507.85	\$840,677.14	\$54,059.68	\$0.00	\$14,204,545.87

MISCELLANEOUS NON-OPERATING 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	Refunds	\$330,669.81
17	Sale of Scrap	\$46,911.08
18		
19		
20		
21		
22		
23	TOTAL	\$377,580.89

MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

Line No.	Item (a)	Amount (b)
24		
25	Cash Payments to Town	\$803,708.98
26		
27		
28		
29		
30		
31		
32	TOTAL	\$803,708.98

APPROPRIATIONS OF SURPLUS (Account 436)

Line No.	Item (a)	Amount (b)
33	Surplus Applied to Sinking Fund	\$920.36
34		
35		
36		
37		
38		
39		
40	TOTAL	\$920.36

MUNICIPAL REVENUES (Accounts 482,444)
(K.W.H. Sold under the Provision of Chapter 269, Acts of 1927)

Line No.	Acct No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M.C.F. [\$0.0000] (d)
1					
2					
3	482	Municipal Gas	22,853	\$378,610.89	1656.7229
4		TOTALS	22,853	\$378,610.89	1656.7229

Line No.	Acct No.	Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. [cents] [\$0.0000] (d)
5		Lighting	870,394	\$130,356.25	0.1498
6	444	Power	6,369,094	\$885,144.47	0.1390
7					
8		TOTAL	7,239,488	\$1,015,500.72	0.1403
9		Street Lighting	1,463,250	\$225,000.00	0.1538
10					
11		TOTAL	1,463,250	\$225,000.00	0.1538
12					
13					
14					
15					
16					
17					
18					
19		TOTALS	8,702,738	\$1,240,500.72	0.1425

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	MMWEC	Substation 115KV	203,853,681	\$15,830,528.37	0.0767
21	NSTAR	Substation 115KV	1,949	\$838.60	0.4303
22	Reading Municipal	Consumer Premises	536,256	\$67,843.01	0.1261
23	National Grid				
24					
25					
26					
27					
28					
29					
30					
31		TOTALS	204,391,886	\$15,699,009.98	0.0768

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (c)	Revenues per K.W.H. [cents] [0.0000] (e)
32	Peabody Municipal Electric Department	Consumer Premises	1,038,266	\$128,456.14	0.1237
33					
34					
35					
36					
37					
38					
39		TOTALS	1,038,266	\$128,456.14	0.0000

Annual Report of Town of Wakefield Municipal Gas & Light Department
ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for added for billing purposes, one customer shall be included below. The the year for each prescribed account and the amount o for each group of meters so added. The average number details of such sales should be given in a footnote. increase or decrease over the preceding year.

2. If increases and decreases are not derived from of customers means the average of the 12 figures at the 5. Classification of Commercial and Industrial Sales, close of each month. If the customer count in the res- Account 442, according to small (or Commercial) and previously reported figures explain any inconsistencies. dental service classification includes customers counted Large (or Industrial) may be according to the basis of 3. Number of customers should be reported on the more than once because of special services, such as waste classification regularly used by the respondent if such basis of number of meters, plus number of flat rate heating, etc., indicate in a footnote the number of such basis of classification is not greater than 1000 Kw of accounts, except that where separate meter readings a duplicate customers included in the classification. demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues			Kilowatt-hours Sold			Average Number of Customers per Month	
		Amount for Year (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)		
1	SALES OF ELECTRICITY								
2	440 Residential Sales.....	\$11,236,439.79	293,368.99	80,237,499	(1,247,036)	10,315	39		
3	442 Commercial and Industrial Sales:								
4	Small (or Commercial) see instr. 5.....	\$2,653,681.38	(2,432,163.37)	17,393,880	(1,628,770)	1,597	(12)		
5	Large (or Industrial) see instr. 5.....	\$10,404,786.31	2,996,839.03	80,112,924	2,117,920	221	10		
6	444 Municipal Sales (P. 22)	\$1,240,500.72	1,356.86	8,702,738	(380,833)	141	1		
7	445 Other Sales to Public Authorities.....								
8	446 Sales to Railroads and Railways.....								
9	448 Interdepartmental Sales.....								
10	449 Miscellaneous Electric Sales.....								
11	Total Sales to Ultimate Consumers.....	\$25,535,388.20	\$859,401.51	186,447,041	(1,138,719)	12,274	38		
12	447 Sales for Resale.....	\$128,456.14	128,456.14						
13	Total Sales of Electricity*.....	\$25,663,844.34	\$987,857.65	186,447,041	(1,138,719)	12,274	38		
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts.....	\$172,003.15	8,102.42						
16	451 Miscellaneous Service Revenues.....								
17	453 Sales of Water and Water Power.....								
18	454 Rent from Electric Property.....								
19	455 Interdepartmental Rents.....								
20	456 Other Electric Revenues.....	\$782,076.46	198,108.17					\$167,160.83	
21									
22	Miscellaneous Adjustments to Sales							186,022,057	
23									
24									
25	Total Other Operating Revenues.....	\$954,079.61	\$206,210.59						
26	Total Electric Operating Revenues.	\$26,617,923.95	\$1,194,068.24						

*Includes revenues from application of fuel clauses

Total KWH to which applied

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (per Bills Rendered)		
						July 31 (e)	December 31 (f)	
1	440	Residential Sales	80,237,499	\$11,236,439.79	0.1400	10,308	10,348	
2	442	Commercial Sales	17,393,880	\$2,653,681.38	0.1526	1,600	1,588	
3	442-1	Power Sales	80,112,924	\$10,404,766.31	0.1299	219	225	
4	444	Public Sales and Highway Lighting	1,463,250	\$225,000.00	0.1538	0	0	
5	444	Other Sales to Public Authorities	7,239,488	\$1,015,500.72	0.1403	141	140	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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36								
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39								
40								
41								
42								
43								
44								
45								
46								
47								
48	TOTAL SALES TO ULTIMATE CONSUMERS							
49	(Page 37 Line 11)			186,447,041	\$25,535,388.20	0.1370	12,268	12,301

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space provided the operation and maintenance expenses for the year.
2. If the increases and decreases are not divided from previously reported figures explain in footnotes.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSE		
2	STEAM POWER GENERATION	NOT APPLICABLE	
3	Operation:		
4	500 Operation supervision and engineering.....		
5	501 Fuel.....		
6	502 Steam expense.....		
7	503 Steam from other sources.....		
8	504 Steam transferred -- Cr.....		
9	505 Electric expenses.....		
10	506 Miscellaneous steam power expenses.....		
11	507 Rents.....		
12	Total Operation	\$0.00	\$0.00
13	Maintenance:		
14	510 Maintenance supervision and engineering.....		
15	511 Maintenance of structures.....		
16	512 Maintenance of boiler plant.....		
17	513 Maintenance of electric plant.....		
18	514 Maintenance of miscellaneous steam plant.....		
19	Total Maintenance	\$0.00	\$0.00
20	Total power production expenses -- steam power	\$0.00	\$0.00
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering.....		
24	518 Fuel.....		
25	519 Coolants and water.....		
26	520 Steam expense.....		
27	521 Steam from other sources.....		
28	522 Steam transferred -- Cr.....		
29	523 Electric expenses.....		
30	524 Miscellaneous nuclear power expenses.....		
31	525 Rents.....		
32	Total Operation	\$0.00	\$0.00
33	Maintenance:		
34	528 Maintenance supervision and engineering.....		
35	529 Maintenance of structures.....		
36	530 Maintenance of reactor plant equipment.....		
37	531 Maintenance of electric plant.....		
38	532 Maintenance of miscellaneous nuclear plant.....		
39	Total Maintenance	\$0.00	\$0.00
40	Total power production expenses -- nuclear power	\$0.00	\$0.00
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering.....		
44	536 Water for power.....		
45	537 Hydraulic expenses.....		
46	538 Electric expenses.....		
47	539 Miscellaneous hydraulic power generation expenses.....		
48	540 Rents.....		
49	Total Operation	\$0.00	\$0.00

(continued on page 40)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - CONTINUED		
2	Maintenance:		
3	541 Maintenance Supervision and Engineering.....		
4	542 Maintenance of Structures.....		
5	543 Maintenance of Reservoirs, Dams and Waterways.....		
6	544 Maintenance of Electric Plant.....		
7	545 Maintenance of Miscellaneous Hydraulic Plant.....		
8	Total Maintenance	\$0.00	\$0.00
9	Total Power Production Expenses - Hydraulic Power	\$0.00	\$0.00
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation	\$0.00	\$0.00
18	Maintenance:		
19	551 Maintenance Supervision and Engineering.....		
20	552 Maintenance of Structure.....		
21	553 Maintenance of Generating and Electric Plant.....		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	Total Maintenance	\$0.00	\$0.00
24	Total Power Production Expenses - Other Power	\$0.00	\$0.00
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power.....	\$16,234,500.83	(\$2,141,923.28)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....		
29	Total Other Power Supply Expenses	\$16,234,500.83	(\$2,141,923.28)
30	Total Power Production Expenses	\$16,234,500.83	(\$2,141,923.28)
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	\$0.00	\$0.00
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	\$0.00	\$0.00
50	Total Transmission Expenses	\$0.00	\$0.00

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.....	\$314,631.89	\$10,496.25
5	582 Station Expenses.....	\$220,795.18	\$174,684.86
6	583 Overhead Line Expenses.....	\$325,668.13	\$21,815.65
7	584 Underground Line Expenses.....	\$25,836.85	\$9,722.93
8	585 Street Lighting and Signal System Expenses.....	\$95,597.41	(\$54,594.74)
9	586 Meter Expenses.....	\$6,401.21	(\$1,785.58)
10	587 Customer Installations Expenses.....	\$5,698.12	\$31.88
11	588 Miscellaneous Distribution Expenses.....	\$110,318.37	\$21,096.08
12	589 Rents.....		
13	Total Operation	\$1,104,947.16	\$181,467.33
14	Maintenance:		
15	590 Maintenance supervision and engineering.....		
16	591 Maintenance of Structures.....	\$34.75	(\$1,169.49)
17	592 Maintenance of Station Equipment.....	\$4,529.98	(\$1,204.56)
18	593 Maintenance of Overhead Lines.....	\$900,783.99	\$88,813.10
19	594 Maintenance of Underground Lines.....	\$111,450.47	\$79,836.25
20	595 Maintenance of Line Transformers.....	\$14,615.73	\$14,615.73
21	596 Maintenance of Street Lighting and Signal Systems....	\$0.00	\$0.00
22	597 Maintenance of Meters.....	\$0.00	\$0.00
23	598 Maintenance of Miscellaneous Distribution Plant.....	\$0.00	\$0.00
24	Total Maintenance	\$1,031,414.92	\$180,891.03
25	Total Distribution Expenses	\$2,136,362.08	\$362,358.36
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....		
29	902 Meter Reading Expenses.....	\$52,498.24	(\$3,001.42)
30	903 Customer Records and Collection Expenses.....	\$304,239.01	\$9,802.57
31	904 Uncollectable Accounts.....	\$9,553.45	(\$139,580.02)
32	905 Miscellaneous Customer Accounts Expenses.....		
33	Total Customer Accounts Expenses	\$366,290.70	(\$132,778.87)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....		
38	913 Advertising Expenses.....	\$44,865.73	(\$10,991.32)
39	916 Miscellaneous Sales Expense.....		
40	Total Sales Expenses	\$44,865.73	(\$10,991.32)
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Salaries.....	\$596,006.51	\$22,068.90
44	921 Office Supplies and Expenses.....	\$285,730.09	(\$16,340.35)
45	922 Administrative Expenses Transferred - Cr.....	\$0.00	\$0.00
46	923 Outside Services Employed.....	\$145,474.98	\$58,213.61
47	924 Property Insurance.....	\$10,014.00	(\$559.47)
48	925 Injuries and Damages.....	\$94,028.29	(\$24,450.16)
49	926 Employees Pensions and Benefits.....	\$1,358,855.03	(\$309,245.58)
50	928 Regulatory Commission Expenses.....	\$0.00	\$0.00
51	929 Duplicate Charges - Cr.....	\$0.00	\$0.00
52	930 Miscellaneous General Expenses.....	\$315,144.34	\$396,093.31
53	931 Rents.....		
54	Total Operation	\$2,805,253.24	\$125,780.26

ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE EXPENSES		
2	Maintenance:		
3	932 Maintenance of General Plant.....	156,520.76	(\$5,689.16)
4	933 Transportation expense.....		
5	Total Maintenance	156,520.76	(5,689.16)
6	Total Administrative and General Expenses	2,961,774.00	120,091.10
7	Total Electric Operation and Maintenance Expenses	21,743,793.34	(1,803,244.01)

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power.....			
11	Nuclear Power.....			
12	Hydraulic Power.....			
13	Other Power.....			
14	Other Power Supply Expenses.....	\$16,234,500.83		\$16,234,500.83
15	Total Power Production Expenses	\$16,234,500.83	\$0.00	\$16,234,500.83
16	Transmission Expenses.....			
17	Distribution Expenses.....	\$1,104,947.16	\$1,031,414.92	\$2,136,362.08
18	Customer Accounts Expenses.....	\$366,290.70		\$366,290.70
19	Sales Expenses.....	\$44,865.73		\$44,865.73
20	Administrative and General Expenses.....	\$2,805,253.24	\$156,520.76	\$2,961,774.00
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	\$20,555,857.66	\$1,187,935.68	\$21,743,793.34

23	Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42, Line 22 (d), Depreciation (Acct 403) and Amortization (Acct 407).....	86.57%
24	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....	\$2,688,311.15
25	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	27

Account	Operating Revenues		MCF Sold (1,000 BTU)		Average Number of Customers per Month	
	Amount for Year	Increase or (Decrease) from Preceding Year	Amount for Year	Increase or (Decrease) from Preceding Year	Number for Year	Increase or (Decrease) from Preceding Year
SALES OF GAS						
480 Residential Sales	5,662,460.63	(453,312.49)	316,946.7	(38,443.9)	5686	84
481 Commercial and Industrial Sales:						
Small (or Commercial)	1,940,800.15	(283,374.72)	114,019.9	(21,360.1)	650	-3
Large (or Industrial)	-	-	-	-	-	-
482 Municipal Sales (P. 22)	378,610.89	(23,911.62)	22,852.6	(2,547.1)	46	0
483 Other Sales	-	-	-	-	-	-
485 Miscellaneous Gas Sales	-	-	-	-	-	-
Total Sales to Ultimate Consumers	7,981,871.67	(760,598.83)	453,819.2	(62,351.1)	6,382	81
483 Sales for Resale	-	-	-	-	-	-
Total Sales to Gas*	7,981,871.67	(760,598.83)	453,819.2	(62,351.1)	6,382	81
OTHER OPERATING REVENUES						
487 Forfeited Discounts	31,727.32	(3,281.31)				
488 Miscellaneous Service Revenues	-	-				
489 Revenues from Trans. Of Gas of Others	-	-				
490 Sales of Products Extracted from Natural Gas	-	-				
491 Rev. from Natural Gas Processed by Others	-	-				
493 Rent from Gas Property	-	-				
494 Interdepartmental Rents	-	-				
495 Other Gas Revenues	50,811.55	(537,547.49)				
Total Other Operating Revenues	82,538.87	(540,828.80)				
Total Gas Operating Revenues	8,064,410.54	(1,301,427.63)				
					* Includes revenues from application of fuel clauses	\$4,895,197.87
					Total M.C.F. to which applied	453,819.2

2011	MCF	Revenue	Average Revenue per M.C.F.	Number of Customers (Per Bills Rendered)	
				31-Jul	31-Dec
G 480 Residence Gas	30,505.0	\$656,391.70	21.5175	1831	1785
G 480-1 Gas Heating Sales	387,087.7	\$6,700,787.51	17.3108	4376	4476
G 481 Commercial and Industrial Sales	13,373.9	\$246,081.57	18.4001	131	130
G 482 Sales to Public Authorities	22,852.6	\$378,610.89	16.5675	47	46
Total Sales to Ultimate Consumers	453,819.2	\$7,981,871.67	17.5882	6385	6437

	Amount for Year	Increase/ Decrease
OTHER GAS SUPPLY EXPENSES		
Operation:		
804 Natural gas city gate purchases	\$4,412,459.11	(\$266,432.05)
Total other gas supply expenses	\$4,412,459.11	(\$266,432.05)
Total production expenses	\$4,412,459.11	(\$266,432.05)

TRANSMISSION AND DISTRIBUTION EXPENSES

Operation:		
850 Operation supervision and engineering	\$293,827.01	\$39,251.54
851 System control and load dispatching	\$0.00	\$0.00
852 Communication system expenses	\$0.00	\$0.00
853 Compressor station labor and expenses	\$103,772.15	\$68,439.17
855 Fuel and power for compressor stations	\$0.00	\$0.00
857 Measuring and regulating station expenses	\$0.00	\$0.00
858 Transmission and compression of gas by others	\$0.00	\$0.00
874 Mains and services expenses	\$64,457.82	(\$39.70)
878 Meter and house regulator expenses	\$1,929.73	(\$1,212.29)
879 Customer installations expenses	\$189,211.62	(\$1,933.86)
880 Other expenses	\$49,443.05	\$8,599.17
881 Rents	\$0.00	\$0.00
Total operation	\$702,641.38	\$113,104.03
Maintenance:		
885 Maintenance supervision and engineering	\$0.00	\$0.00
886 Maintenance of structures and improvements	\$0.00	\$0.00
887 Maintenance of mains	\$283,948.58	(\$12,167.25)
888 Maintenance of compressor station	\$0.00	\$0.00
889 Maintenance of measuring and regulating station equipment	\$0.00	\$0.00
892 Maintenance of services	\$0.00	\$0.00
893 Maintenance of meters and house regulators	\$11,754.88	(\$21,009.22)
894 Maintenance of other equipment	\$5,336.82	\$2,357.72
Total maintenance	\$301,040.28	(\$30,818.75)
Total transmission and distribution	\$1,003,681.66	\$82,285.28

CUSTOMER ACCOUNTS EXPENSES

Operation:		
901 Supervision	\$0.00	\$0.00
902 Meter reading expenses	\$17,555.43	(\$995.45)
903 Customer records and collection expenses	\$101,618.98	\$3,540.12
904 Uncollectable accounts	\$20,099.03	(\$192,677.82)
905 Miscellaneous customer accounts expenses	\$0.00	\$0.00
Total customer accounts expenses	\$139,273.44	(\$190,133.15)

	Amount for Year	Increase/ Decrease
SALES EXPENSES		
Operation:		
911 Supervision	\$0.00	\$0.00
912 Demonstrating and selling expenses	\$0.00	\$0.00
913 Advertising expenses	\$15,864.00	\$1,764.98
916 Miscellaneous sales expenses	\$0.00	\$0.00
Total sales expenses	\$15,864.00	\$1,764.98

ADMINISTRATIVE AND GENERAL EXPENSES		
Operation:		
920 Administrative and general salaries	\$198,439.13	\$7,266.95
921 Office supplies and expenses	\$94,568.33	(\$8,230.81)
922 Administrative expenses transferred -Cr.	\$0.00	\$0.00
923 Outside services employed	\$90,447.63	\$60,788.58
924 Property insurance	\$3,338.02	(\$186.49)
925 Injuries and damages	\$21,079.70	(\$6,193.16)
926 Employees pensions and benefits	\$397,636.56	(\$73,008.61)
928 Regulatory commission expenses	\$0.00	\$0.00
929 Duplicate charges-Cr.	\$0.00	\$0.00
930 Miscellaneous general expenses	\$26,794.46	(\$67,480.25)
931 Rents	\$0.00	\$0.00
Total administrative and general expenses	\$832,303.83	(\$87,043.79)
Maintenance:		
932 Maintenance of general plant	\$52,526.11	(\$4,389.90)
Total administrative and general expenses	\$884,829.94	(\$91,433.69)
Total gas operation and maintenance expenses	\$6,456,108.15	(\$463,948.63)

SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSES

	Operation	Maintenance	Total
Other gas supply expenses	\$4,412,459.11	-	\$4,412,459.11
Total Production expenses	\$4,412,459.11	-	\$4,412,459.11
Local storage expenses	-	-	-
Transmission and distribution expenses	\$702,641.38	\$301,040.28	\$1,003,681.66
Customer accounts expenses	\$139,273.44	-	\$139,273.44
Sales expenses	\$15,864.00	-	\$15,864.00
Administrative and general expenses	\$832,303.83	\$52,526.11	\$884,829.94
Total gas operation and maintenance expenses	\$6,102,541.76	\$353,566.39	\$6,456,108.15

Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%)
 Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses
 (page 47, Line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407) 90.48%

Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts \$1,446,602.89

Total number of employees of gas department at end of year including administrative, operating, maintenance and other employees (including part time employees) 15

PURCHASED GAS

Names of Companies from Which Gas Is Purchased	Where Received and Where and How Measured	M.C.F. (1000 BTU)	Rate per M.C.F.	Amount
Sprague National Grid	Ave., a meter house in rear of Fire Station on Oak St., Greenwood, a meter house on Salem St near Wakefield/Lynnfield line, and a meter house on Broadway - all 4 locations metered.	454517 15034	8.2185	\$ 3,859,020.10
TOTALS			469,551	\$ 3,859,020.10

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
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48					
49					
50					
51	TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

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

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

Line No.	Item (a)	Electric Department (c)	Gas Department (d)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandising sales, less discounts,				
3	allowances and returns.....	\$828,831.30	\$113,897.88		\$942,729.18
4	Contract Work.....				
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	\$828,831.30	\$113,897.88	\$0.00	\$942,729.18
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....	\$147,999.42	\$9,137.78		\$157,137.20
16					
17	Labor				
18	Materials				
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				
27	Customer accounts expenses.....				
28	Administrative and general expenses.....				
29					
30					
31					
32					
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36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	\$147,999.42	\$9,137.78	\$0.00	\$157,137.20
51	Net Profit (or Loss)	\$680,831.88	\$104,760.10	\$0.00	\$785,591.98

SALES FOR RESALE (Account 447) - Continued

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

6. The number of Kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

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

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sale may be grouped.

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
NOT APPLICABLE								1
								2
								3
								4
								5
								6
								7
								8
								9
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								31
								32
								33
			0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000
TOTALS		0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000	35

PURCHASED POWER (Account 555) - Continued

(except interchange power)

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

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
NOT APPLICABLE								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
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								35
								36
TOTALS		0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000	37

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

INTERCHANGE POWER (Included in Account 555)
 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

Line No.	Name of Company	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Kilowatt-hours			Amount of Settlement
					Received	Delivered	Net Difference	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2								
3								
4	NOT APPLICABLE							
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	0	0	0	0

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)		Amount (k)
13				
14				
15				
16				
17				
18				
19				
20				
21			TOTALS	0

ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)	Kilowatt-hours (b)
1	SOURCES OF ENERGY	
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	204,391,886
8	Purchases.....	0
9	{ In (gross).....	
10	Interchanges..... { Out (gross).....	
11	{ Net (Kwh).....	0
12	{ Received.....	
13	Transmission for/by others (W)..... { Delivered.....	
14	{ Net (kwh).....	
15	TOTAL	204,391,886
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales).....	186,447,041
18	Sales for resale.....	1,038,266
19	Energy furnished without charge.....	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	636,909
22	Energy losses:	
23	Transmission and conversion losses.....	0
24	Distribution losses.....	
25	Unaccounted for losses.....	17,307,936
26	Total energy losses.....	0.3
27	Energy losses as percent of total on line 15..... 8.78%	
28	TOTAL	204,391,886

MONTHLY PEAKS AND OUTPUT

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

2. Monthly peak col. (b) should be respondent's maximum Kw load as measured 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, minus temporary deliveries (not interchange) or emergency power to another system. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)

4. Monthly output should be the sum of respondent's net generation plus or minus net interchange and plus or minus net transmission or wheeling.

Monthly Peak

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4 (g)
29	January	32,541	Wed	4	6:00PM	60 min	17,765,472
30	February	29,668	Thu	2	6:00pm	"	15,976,897
31	March	29,820	Thu	1	7:00pm	"	16,182,127
32	April	28,072	Mon	16	5:00PM	"	14,923,171
33	May	30,693	Thu	31	5:00pm	"	15,752,690
34	June	45,915	Thu	21	5:00PM	"	16,960,642
35	July	47,258	Tue	17	5:00PM	"	20,683,422
36	August	43,461	Fri	3	4:00PM	"	20,764,675
37	September	36,608	Fri	7	5:00PM	"	16,151,589
38	October	26,392	Tue	30	7:00AM	"	15,436,074
39	November	30,593	Wed	28	6:00pm	"	15,967,629
40	December	32,357	Mon	17	6:00pm	"	17,827,498
41						TOTAL	204,391,886

**GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear, See Instruction 10)**

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw* or more of installed capacity and other stations of 500 Kw* or more of installed capacity (name plate ratings). (*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)
 2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
 3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.
 5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.
 6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.
 7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)			
1	Kind of plant (steam, hydro, int. com., gas turbine	NOT APPLICABLE					
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)						
3	Year originally constructed						
4	Year last unit was installed						
5	Total installed capacity (maximum generator name plate ratings in kw)						
6	Net peak demand on plant-kilowatts (60 min.)						
7	Plant hours connected to load						
8	Net continuous plant capability, kilowatts:						
9	(a) When not limited by condenser water						
10	(b) When limited by condenser water						
11	Average number of employees						
12	Net generation, exclusive of station use						
13	Cost of plant (omit cents):						
14	Land and land rights						
15	Structures and improvements						
16	Reservoirs, dams, and waterways						
17	Equipment costs						
18	Roads, railroads, and bridges						
19	Total cost				\$0	\$0	\$0
20	Cost per kw of installed capacity						
21	Production expenses:						
22	Operation supervision and engineering						
23	Station labor						
24	Fuel						
25	Supplies and expenses, including water						
26	Maintenance						
27	Rents						
28	Steam from other sources						
29	Steam transferred - Credit						
30	Total production expenses	\$0.00	\$0.00	\$0.00			
31	Expenses per net Kwh (5 places)						
32	Fuel: Kind						
33	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)						
34	Quantity (units) of fuel consumed						
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)						
36	Average cost of fuel per unit, del. f.o.b. plant						
37	Average cost of fuel per unit consumed						
38	Average cost of fuel consumed per million B.t.u.						
39	Average cost of fuel consumed per kwh net gen.						
40	Average B.t.u. per kwh net generation						
41							
42							

GENERATING STATION STATISTICS (Large Stations) – Continued
(Except Nuclear, See Instruction 10)

547 as shown on Line 24

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

operations with a conventional steam unit, the gas turbine should be included with the steam station.

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
NOT APPLICABLE						1
						2
						3
						4
						5
						6
						7
						8
						9
						10
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					37	
					38	
					40	
					41	
					42	

STEAM GENERATING STATIONS

1. Report the information called for concerning gener lessor, date and term of lease, and annual rent. For any stations and equipment at end of year.
2. Exclude from this schedule, plant, the book cost of thereof for which the respondent is not the sole owner but which is included in Account 121, Nonutility Property, which the respondent operates or shares in the operation of.
3. Designate any generating station or portion thereof furnish a succinct statement explaining the arrangement and for which the respondent is not the sole owner. If such giving particulars as to such matters as percent ownership property is leased from another company, give name by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			Rated Max. Continuous M lbs. Steam per Hour (g)
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	
1	NOT APPLICABLE						
2							
3							
4							
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34							
35							
36							
37							

Note Reference:

* Indicates reheat boilers thusly, 1050/1000.

STEAM GENERATING STATIONS – Continued

expenses or revenues, and how expenses and/or revenue are accounted for and accounts affected. Specify if lessor, and not leased to another company. If such plant or co-owner, or other party is an associated company. 5. Designate any plant or equipment owned, not operated, whether it has been retired in the books of account or what equipment was not operated within the past year explain whether lessee is an associated company. 4. Designate any generating station or portion thereof whether it has been retired in the books of account or what leased to another company and give name or lessee, date disposition of the plant or equipment and its book cost are term of lease and annual rent and how determined. Specify whether lessee is an associated company. contemplated.

Turbine-Generators*

Year Installed (h)	Type (l)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
NOT	APPLICABLE										1
											2
											3
											4
											5
											6
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											36
TOTALS											37

Note references:

- *Report cross-compound turbine-generator units on two lines – H.P. section and L.P. section.
- + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and noncondensing (N.C.). Show back pressures.
- ** Designate air cooled generators.
- ++ If other than 3 phase, 60 cycle, indicate other characteristics.
- *+ Should agree with column (m).

HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning gene property is leased from another company give name of stations and equipment at end of year. Show associ lessor, date and term of lease, and annual rent. For any prime movers and generators on the same line. generating station, other than a leased station, or portion
2. Exclude from this schedule, plant, the book cost o thereof, for which the respondent is not the sole owner which is included in Account 121, Nonutility Property but which the respondent operates or shares in the operation
3. Designate any generating station or portion therec of, furnish a succinct statement explaining the arrangement for which the respondent is not the sole owner. If sui and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	*** NONE ***						
12							
13							
14							
15							
16							
17							
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22							
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37							

* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).

HYDROELECTRIC GENERATING STATIONS - Continued

percent of ownership by respondent, name of co-owner. Specify whether lessee is an associated company. basis of sharing output, expenses, or revenues, and how. 5. Designate any plant or equipment owned, not operated expenses and/or revenues are accounted for and accounted and not leased to another company. If such plant affected. Specify if lessor, co-owner, or other party is or equipment was not operated within the past year explain associated company. whether it has been retired in the books of account or what 4. Designate any generating station or portion thereof disposition of the plant or equipment and its book cost are leased to another company and give name of lessee, contemplated. and term of lease and annual rent and how determined.

Water Wheels - Continued			Generators						Total Installed Generating Capacity in Kilowatts (name plate ratings)	Line No.
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Fre- quency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)		
		*** NONE ***							1	
									2	
									3	
									4	
									5	
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									38	
TOTALS									39	

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

1. Report the information called for concerning generating property is leased from another company, give name of stations and equipment at end of year. Show associated lessor, date and term of lease, and annual rent. For any prime movers and generators on the same line. generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.

3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				Belted or Direct Connected (g)
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	
1	NOT APPLICABLE						
2							
3							
4							
5							
6							
7							
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39							

COMBUSTION ENGINE AND OTHER GENERATING STATIONS - Continued
(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing. Specify whether lessee is an associated company. output, expenses, or revenues, and how expenses and 5. Designate any plant or equipment owned, not operated revenues are accounted for and accounts affected. Sp and not leased to another company. If such plant lessor, co-owner, or other party is an associated comp or equipment was not operated within the past year explain 4. Designate any generating station or portion thereof whether it has been retired in the books of account or what leased to another company and give name of lessee, d disposition of the plant or equipment and its book cost are and term of lease and annual rent and how determined contemplated.

Prime Movers - Continued			Generators				Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.	
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)			Number of Units in Station (o)
NOT APPLICABLE								1	
								2	
								3	
								4	
								5	
								6	
								7	
								8	
								9	
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								32	
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								34	
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								36	
								37	
TOTALS									38
								39	

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this or operated as a joint facility, and give a concise schedule, are steam and hydro stations of less than 500 KW* and other stations of less than 500 KW* 3. List plants appropriately under subheadings for installed capacity (name plate ratings), (*10,000 KV steam, hydro, nuclear internal combustion engine and steam, hydro, internal combustion engine or gas turbine and 2,500 KW, respectively, if annual electric output gas turbine stations. For nuclear, see instructions 10 revenues of respondent are \$25,000,000 or more. page 58.

2. Designate any plant leased from others, operate 4. Specify if total plant capacity is reported in kva under a license from the Federal Power Commission instead of kilowatts.

5. If peak demand for 60 minutes is not available, give that which is available, specifying period.

6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

Line No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)		Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) (l)
								Labor (h)	Other (j)		
1											
2											
3											
4											
5											
6											
7											
8											
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27											
28											
TOTALS											

*** NOT APPLICABLE ***

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	NOT APPLICABLE							
2								
3								
4								
5								
6								
7								
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9								
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11								
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35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	TOTALS				0		0	

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

Annual Report of Town of Wakefield Municipal Gas & Light Department

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 sub-station, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (c), (d), and (e) special equipment such as relay converters, reactors, 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 respondent 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 (i)	Number of Units (j)	Total Capacity (k)
1	Wakefield Substation	Distribution Unattended	13,800	4,169		17,500	4	0			
2	Wakefield Avenue										
3											
4											
5	Matthew J Burns Ballister Street	Distribution Unattended	13,800	4,169		12,500	2	0			
6											
7											
8											
9	Marcus Beebe Farm Street	Distribution Unattended	115,000	13,800		110,000	2	1			
10											
11											
12											
13											
14											
15											
16											
17											
18											
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22											
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26											
27											
28											
29											
30											
31											
32											
TOTALS						140,000	8	1			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	100.8		100.8
2	Added During Year	0.4		0.4
3	Retired During Year	0		0
4	Miles - End of Year	101.2		101.2
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (Kva)
16	Number at beginning of year.....	8,498	14,885	1,628	152,107
17	Additions during year:				
18	Purchased.....		493	57	3,946
19	Installed.....	144			
20	Associated with utility plant acquired.....				
21	Total additions.....	144	493	57	3,946
22	Reduction during year:				
23	Retirements.....	119	467	17	1,463
24	Associated with utility plant sold.....				
25	Total reductions.....	119	467	17	1,463
26	Number at End of Year.....	8,523	14,911	1,668	154,590
27	In Stock.....		2,608	195	23,441
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	in Customers' Use.....		12,301	1,431	142,271
31	in Company's Use.....		6	9	394
32	Number at End of Year.....		14,915	1,635	166,106

Annual Report of Town of Wakefield Municipal Gas & Light Department
 Year ended December 31, 2012

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 and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating voltage (d)	Feet* (e)	Operating Voltage (f)
1	UNDERGROUND DISTRIBUTION SYSTEM	44.3	10.5 miles	13,800		
2			3 conductor			
3						
4			44.2 miles of	13,800		
5			single conductor			
6						
7			.6 miles of	4,160		
8			3 conductor			
9						
10			.5 miles of	230		
11			2 conductor			
12						
13			75.0 miles of	230		
14			single conductor			
15						
16			29.9 miles	4,160		
17			single conductor			
18						
19			.3 miles of	230		
20			3 conductor			
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34			TOTALS	44.3	157.8	

*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	TYPE							
			Incandescent		Mercury Vapor			High Press. Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Metal Municipal Halide (g)	Other (h)	Municipal (i)	Other (j)
1	Wakefield	2,885	386		164	249	21		1,922	143
2										
3										
4										
5										
6										
7										
8										
9										
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49										
50										
51										
52	TOTALS	2,885	386		164	249	21		1,922	143

RECORD OF SENDOUT FOR THE YEAR IN MCF
 BASED ON 1000 BTU PER CUBIC FOOT

Item	Total	January	February	March	April	May
Gas Made						
Gas						
Gas						
Gas						
TOTAL		13.47	13.49	13.21	7.94	7.61
Gas Purchased						
Natural.....						
Other.....						
TOTAL.....	469,551	92,204	76,415	58,671	50,443	36,569
TOTAL MADE AND PURCHASED....	469,551	92,204	76,415	58,671	50,443	36,569
Net Change in Holder Gas						
TOTAL SENDOUT	469,551	92,204	76,415	58,671	50,443	36,569
Gas Sold.....	453,819	73,447	80,274	70,720	40,432	27,413
Gas Used by Company						
Gas Accounted for...	453,819	73,447	80,274	70,720	40,432	27,413
Gas Unaccounted for	15,732	18,757	-3,859	-12,049	10,011	9,156
% Unaccounted for (0.00%).....	3.35%	20.34%	-5.05%	-20.54%	19.85%	25.04%
Sendout in 24 Hours in MCF.....						
Maximum-MCF.....	5,112	5,004	4,487	3,225	1,996	1,902
Maximum-Date.....	30	5-Jan	15	7	24	4
Minimum-MCF.....	398	597	1,665	1,555	662	558
Minimum-Date.....	8-July	31-Jan	7	20	3	29

B.T.U. Content of Gas
 Delivered to Customers

1042 per Cubic Foot

RECORD OF SENDOUT FOR THE YEAR IN MCF
 BASED ON 1000 BTU PER CUBIC FOOT

June	July	August	September	October	November	December
3.42	4.8	3.18	5.73	10.15	13.89	
6,473	-142	10,231	21,358	47,639	69,579	
6,473	-142	10,231	21,358	47,639	69,579	
6,473	-142	10,231	21,358	47,639	69,579	
6,473	-142	10,231	21,358	47,639	69,579	
17,511	12,430	11,156	11,482	16,241	34,709	58,004
17,511	12,430	11,156	11,482	16,241	34,709	58,004
-11,038	-12,572	-11,045	-1,251	5,117	12,930	11,575
-170.52%	8853.52%	#####	-12.23%	23.96%	27.14%	16.64%
774	612	612	845	2,887	3,854	4,956
8	25	11	5	4	28	19
447	284	302	366	448	662	905
26	28	28	19	17	7	3

Diameter	Beginning Balance	Added	Removed	Ending Balance
Distribution Cast Iron Mains				
3	4330	3	0	4333
4	6230	0	775	5455
6	1056	79		1135
10	0	0	0	0
Sub-Total	11616	82	775	10923
Mains - Steel Pipe				
1	0	0	0	0
1 1/4	0	0	0	0
1 1/2	75	0	75	75
2	13535		2089	11446
3	40616	1845	0	42461
4	131432		5724	125708
6	21967		799	21168
8	100	0		100
Sub-Total	207725	1845	8687	200958
Plastic Pipe				
1	150	0	60	90
1 1/4	575	0	150	425
2	18699	593	0	19292
3	11267	0	6475	4792
4	60040	12947	0	72987
6	62339	10890	0	73229
8	68887		15109	53778
12	2640	176		2816
Sub-Total	224597	24606	21794	227409
Steel Mains Welded				
4	4460	0	0	4460
10	4165	0	0	4165
Sub-Total	8625	0	0	8625
Grand Totals	452563	26533	31256	447915

GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS

Item	Gas Services	House Governors	Meters
Number at beginning of year	4708		7330
Additions during year:			
Purchased	* * * * *		218
Installed	239		* * * * *
Associated with Plant acquired	-		-
Total Additions	239		218
Reductions during year:			
Retirements	119		194
Associated with Plant sold	-		-
Total Reductions	119		194
Number at End of Year	4828		7354
In Stock			458
On Customers' Premises--Inactive			-
On Customers' Premises--Active			6437
In Company Use			8
Number at End Year			6903
*** Note Meters on customer premises should equal page 44 and page 4			
Number of Meters Tested by State Inspectors During Year			1376

RATE SCHEDULE INFORMATION

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

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
		***** SEE ATTACHED WORKSHEETS *****		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....
Mayor

.....
Manager of Electric Light

.....
Chris P. Kelley
.....
m. Giovanni Altavilla
.....

Selectmen
or
Members
of the
Municipal
Light
Board

.....
Jale J. ...
.....
Mark H. ...
.....