# 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

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

## 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 |

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

## 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

1. Report below the cost of utility plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Retirements (d) | Adjustments (e) | Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | 1. INTANGIBLE PLANT | NOT APPLICABLE | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | 2. PRODUCTION PLANT | | | | | | |
| 6 | A. Steam Production | NOT APPLICABLE | | | | | |
| 7 | 310 Land and Land Rights | | | | | | $0.00 |
| 8 | 311 Structures and Improvements | | | | | | $0.00 |
| 9 | 312 Boiler Plant Equipment | | | | | | $0.00 |
| 10 | 313 Engines and Engine Driven Generators | | | | | | |
| 11 | 314 Turbogenerator Units | | | | | | $0.00 |
| 12 | 315 Accessory Electric Equipment | | | | | | $0.00 |
| 13 | 316 Miscellaneous Power Plant | | | | | | |
| 14 | Equipment | | | | | | $0.00 |
| 15 | Total Steam Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 16 | B. Nuclear Production Plant | | | | | | |
| 17 | 320 Land and Land Rights | | | | | | |
| 18 | 321 Structures and Improvements | | | | | | |
| 19 | 322 Reactor Plant Equipment | | | | | | |
| 20 | 323 Turbogenerator Units | | | | | | |
| 21 | 324 Accessory Electric Equipment | | | | | | |
| 22 | 325 Miscellaneous Power Plant Equipment | | | | | | |
| 23 | Total Nuclear Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

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

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 | NOT APPLICABLE | | | | | |
| 2 | 330 Land and Land Rights | | | | | | |
| 3 | 331 Structures and Improvements | | | | | | |
| 4 | 332 Reservoirs, Dams and Waterways | | | | | | |
| 5 | 333 Water wheels, Turbines and Generators | | | | | | |
| 6 | 334 Accessory Electric Equipment | | | | | | |
| 7 | 335 Miscellaneous Power Plant Equipment | | | | | | |
| 8 | 336 Roads, Railroads and Bridges | | | | | | |
| 9 | Total Hydraulic Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 10 | D. Other Production Plant | | | | | | |
| 11 | 340 Land and Land Rights | | | | | | |
| 12 | 341 Structures and Improvements | | | | | | $0.00 |
| 13 | 342 Fuel Holders, Producers and Accessories | | | | | | |
| 14 | 343 Prime Movers | | | | | | $0.00 |
| 15 | 344 Generators | | | | | | $0.00 |
| 16 | 345 Accessory Electric Equipment | | | | | | |
| 17 | 346 Miscellaneous Power Plant Equipment | | | | | | $0.00 |
| 18 | Total Other Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 19 | Total Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 20 | 3. Transmission Plant | | | | | | |
| 21 | 350 Land and Land Rights | | | | | | $0.00 |
| 22 | 351 Clearing Land and Rights of Way | | | | | | $0.00 |
| 23 | 352 Structures and Improvements | | | | | | $0.00 |
| 24 | 353 Station Equipment | | | | | | $0.00 |
| 25 | 354 Towers and Fixtures | | | | | | $0.00 |
| 26 | 355 Poles and Fixtures | | | | | | $0.00 |
| 27 | 356 Overhead Conductors and Devices | | | | | | $0.00 |
| 28 | 357 Underground Conduits | | | | | | $0.00 |
| 29 | 358 Underground Conductors and Devices | | | | | | $0.00 |
| 30 | 359 Roads and Trails | | | | | | $0.00 |
| 31 | Total Transmission Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

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 | $695,208.31 | $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 | $997,766.66 | $48,809.00 | $50,519.53 | $0.00 | | $996,056.13 |
| 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 | $523,265.32 | $92,270.24 | $40,842.12 | $0.00 | | $574,693.44 |
| 16 | Total Distribution Plant | $25,447,551.53 | $1,646,040.19 | $343,573.45 | $0.00 | $0.00 | $26,750,018.27 |
| 17 | 5. GENERAL PLANT | | | | | | |
| 18 | 389 Land and Land rights | $500.00 | $0.00 | $0.00 | | | $500.00 |
| 19 | 390 Structures and Improvements | $161,819.61 | $0.00 | $0.00 | | | $161,819.61 |
| 20 | 391 Office Furniture and Equipment | $241,549.60 | $9,246.38 | $16,165.09 | | | $234,630.89 |
| 21 | 392 Transportation Equipment | $118,278.64 | $22,057.89 | $0.00 | | | $140,336.53 |
| 22 | 393 Stores Equipment | $6,466.83 | $0.00 | $0.00 | | | $6,466.83 |
| 23 | 394 Tools, Shop and Garage Equipment | $78,648.24 | $23,489.57 | $4,619.18 | | | $97,518.63 |
| 24 | 395 Laboratory Equipment | $10,975.00 | $0.00 | $7,500.00 | | | $3,475.00 |
| 25 | 396 Power Operated Equipment | | $0.00 | $0.00 | | | |
| 26 | 397 Communication Equipment | $63,118.76 | $11,296.73 | $0.00 | | | $74,415.49 |
| 27 | 398 Miscellaneous Equipment | $76,711.75 | $2,857.50 | $0.00 | | | $79,569.25 |
| 28 | 399 Other Tangible Property | $0.00 | $0.00 | $0.00 | | | $0.00 |
| 29 | Total General Plant | $758,068.43 | $68,948.07 | $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 | | | | | | | |
| 32 | | | | TOTAL COST OF PLANT..... | | | $27,548,750.50 |
| 33 | | | | | | | |
| 34 | | | | Less Cost of Land, Land Rights, and Rights of Way | | | $209,021.53 |
| | | | | Total Cost upon which depreciation is based | | | $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 | $0.00 | $0.00 | $0.00 | $0.00 | $108,397.25 |
| 391 Office Furniture and Equipment | $117,928.59 | $4,869.76 | $45,198.49 | $0.00 | $0.00 | $77,599.86 |
| 392 Transportation Equipment | $295,906.24 | $45,258.00 | $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 |

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

## 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 |

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

## 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 | 260 Reserves for Uncollectable Accounts..... | $695,250.15 | $556,200.12 | ($139,050.03) |
| 28 | 261 Property Insurance Reserve..... | | | |
| 29 | 262 Injuries and Damages Reserves..... | | | |
| 30 | 263 Pensions and Benefits..... | | | |
| 31 | 265 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 |

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

## STATEMENT OF INCOME FOR THE YEAR

| Line No. | Account (a) | Electric Current Year | Electric Increase or (Decrease) from Preceding Year | Gas Current Year | Gas 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 |

## UTILITY PLANT – ELECTRIC

1. Report below the items of utility plant in service according to prescribed accounts
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c).
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

| 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 | 1. INTANGIBLE PLANT | OT APPLICABLE | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | 2. PRODUCTION PLANT | | | | | | |
| 6 | A. Steam Production | | | | | | |
| 7 | 310 Land and Land Rights | | | | | | $0.00 |
| 8 | 311 Structures and Improvements | | | | | | $0.00 |
| 9 | 312 Boiler Plant Equipment | | | | | | $0.00 |
| 10 | 313 Engines and Engine Driven Generators | | | | | | |
| 11 | 314 Turbogenerator Units | | | | | | $0.00 |
| 12 | 315 Accessory Electric Equipment | | | | | | $0.00 |
| 13 | 316 Miscellaneous Power Plant | | | | | | |
| 14 | Equipment | | | | | | $0.00 |
| 15 | Total Steam Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 16 | B. Nuclear Production Plant | | | | | | |
| 17 | 320 Land and Land Rights | | | | | | |
| 18 | 321 Structures and Improvements | | | | | | |
| 19 | 322 Reactor Plant Equipment | | | | | | |
| 20 | 323 Turbogenerator Units | | | | | | |
| 21 | 324 Accessory Electric Equipment | | | | | | |
| 22 | 325 Miscellaneous Power Plant Equipment | | | | | | |
| 23 | Total Nuclear Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

UTILITY PLANT - ELECTRIC (continued)

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Depreciation (d) | Other Credits (e) | Adjustments Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | c. Hydraulic Production Plant | NOT APPLICABLE | | | | | |
| 2 | 330 Land and Land Rights..... | | | | | | |
| 3 | 331 Structures and Improvements..... | | | | | | |
| 4 | 332 Reservoirs, Dams and Waterways | | | | | | |
| 5 | 333 Water Wheels, Turbines and Generators..... | | | | | | |
| 6 | 334 Accessory Electric Equipment..... | | | | | | |
| 7 | 335 Miscellaneous Power Plant Equipment..... | | | | | | |
| 8 | 336 Roads, Railroads and Bridges..... | | | | | | |
| 9 | Total Hydraulic Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 10 | D. Other Production Plant | | | | | | |
| 11 | 340 Land and Land Rights..... | | | | | | |
| 12 | 341 Structures and Improvements..... | | | | | | $0.00 |
| 13 | 342 Fuel Holders,Producers and Accessories..... | | | | | | |
| 14 | 343 Prime Movers..... | | | | | | $0.00 |
| 15 | 344 Generators | | | | | | $0.00 |
| 16 | 345 Accessory Electric Equipment..... | | | | | | |
| 17 | 346 Miscellaneous Power Plant Equipment..... | | | | | | $0.00 |
| 18 | Total Other Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 19 | Total Production Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 20 | 3. TRANSMISSION PLANT | | | | | | |
| 21 | 350 Land and Land Rights..... | | | | | | $0.00 |
| 22 | 351 Clearing Land and Rights of Way.. | | | | | | $0.00 |
| 23 | 352 Structures and Improvements.. | | | | | | $0.00 |
| 24 | 353 Station Equipment..... | | | | | | $0.00 |
| 25 | 354 Towers and Fixtures | | | | | | $0.00 |
| 26 | 355 Poles and Fixtures..... | | | | | | $0.00 |
| 27 | 356 Overhead Conductors and Device.. | | | | | | $0.00 |
| 28 | 357 Underground Conduits..... | | | | | | $0.00 |
| 29 | 358 Underground Conductors and Devices..... | | | | | | $0.00 |
| 30 | 359 Roads and Trails..... | | | | | | $0.00 |
| 31 | Total Transmission Plant | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

UTILITY PLANT - ELECTRIC (continued)

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Depreciation (d) | Other Credits (e) | Adjustments Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | 4. DISTRIBUTION PLANT | | | | | | |
| 2 | 360 Land and Land Rights..... | $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 | $106,433.39 | $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 Conduits..... | $218,945.04 | $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 | | $55,256.16 |
| 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 | $2,093.06 | $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..... | $69,603.65 | $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..... | | | | | | |
| | 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. | | 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 | | | | | |
| 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 | $67,643.01 | 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 |

## ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount o increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings a 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 wate heating, etc.,Indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

| Line No. | Account (a) | Operating Revenues: Amount for Year (b) | Operating Revenues: Increase or (Decrease) from Preceding Year (c) | Kilowatt-hours Sold: Amount for Year (d) | Kilowatt-hours Sold: Increase or (Decrease) from Preceding Year (e) | Average Number of Customers per Month: Number for Year (f) | Average Number of Customers per Month: 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 | $10,404,766.31 | 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 | | | *Includes revenues from application of fuel clauses | | | $167,160.83 |
| 18 | 454 Rent from Electric Property | | | | | | |
| 19 | 455 Interdepartmental Rents | | | Total KWH to which applied | | | 186,022,057 |
| 20 | 456 Other Electric Revenues | $782,076.46 | 198,108.17 | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | Miscellaneous Adjustments to Sales | | | | | | |
| 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 | | | | |

## 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 |
| 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 footnote.

| 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% ) **86.57%**
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)

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. 0.0000 | Amount |
|---|---|---|---|---|
| Sprague<br>National Grid | Ave., a meter house in rear of Fire Station on Oak St., Green-<br>Fire Station on Oak St., Green-wood, a meter house on Salem St near Wakefield/Lynnfield line, and a meter house on Broadway - all 4 locations metered. | 454517<br>15034 | | |
| | TOTALS | **469,551** | 8.2185 | **$ 3,859,020.10** |

## TAXES CHARGED DURING YEAR

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts accounts during the year.
2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts.
3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal," "State," and "Local" in such manner that the total tax for each State and for all subdivisions can readily be ascertained.
4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show t number of appropriate balance sheet plant account or subaccount.
plant account or subaccount.
5. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis or apportioning such tax
6. Do not include in this schedule entries with respec to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal c such taxes to the taxing authority.

| Line No. | Kind of Tax (a) | Total Taxes Charged During Year (omit cents) (b) | Distribution of Taxes Charged (omit cents) (Show utility department where applicable and account charged) Electric (Acct. 408, 409) (c) | Gas (Acct. 408,409) (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | State | $535,348.65 | $499,793.28 | $35,555.37 | | | | | | |
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| 22 | | | | | | | | | | |
| 23 | TOTAL | $535,348.65 | $499,793.28 | $35,555.37 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

## OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

| Line No. | Property (a) | Amount of Investment (b) | Amount of Revenue (c) | Amount of Operating Expenses (d) | Gain or (Loss) from Operation (e) |
|---|---|---|---|---|---|
| 1 | | | | | |
| 2 | NONE | | | | |
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| 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 | | | | | |
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| 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)

1. Report sales during year to other electric utilities ar to cities or other public authorities for distribution to ultimate consumers.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP;other G, and place an "x" in column (c) if sale involves export across a state line.

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as other power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

| Line No. | Sales to | Statistical Classificatio n | Export Across State Lines | Point of Deliver | Substation | Kw or Kva of Demand (Specify which) | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Contract Demand | Average Monthly Maximum Demand | Annual Maximum Demand |
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
| 1 | | | | | | | | |
| 2 | Peabody Municipal | Municipality | | Consumer Premises | | NA | NA | NA |
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## 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) Demand Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | Revenue per Kwh (cents) [0.0000] (p) | Line No. |
|---|---|---|---|---|---|---|---|---|
| NOT APPLICABLE | | | | | | | | 1 |
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| | | | | | | | | 34 |
| | TOTALS | 0 | $0.00 | $0.00 | $0.00 | $0.00 | 0.0000 | 35 |

## PURCHASED POWER (Account 555)

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.

3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

| Line No. | Purchased From | Statistical Classification | Import Across State Lines | Point of Receipt | Substation | Kw or Kva Demand (Specify Which) | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Contract Demand | Average Monthly Maximum Demand | Annual Maximum Demand |
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
| 1 | | | | | | | | |
| 2 | SEE PAGE 22 | | | | | | | |
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PURCHASED POWER (Account 555) - Continued

(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

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

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

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

| Type of Demand Reading (i) | Voltage at which Delivered (j) | Kilowatt-hours (k) | Cost of Energy (Omit Cents) Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | Cents per KWH (cents) [0.0000] (p) | Line No. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1 |
| NOT APPLICABLE | | | | | | | | 2 |
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| | TOTALS | 0 | $0.00 | $0.00 | $0.00 | $0.00 | 0.0000 | 37 |

## INTERCHANGE POWER (Included in Account 555)

1. Report below the Kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A., Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "X" in column (b).
3. Particulars of settlements for interchange power shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling, coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

| Line No. | Name of Company | Interchange Across State Lines | Point of Interchange | Voltage at Which Interchanged | Kilowatt-hours Received | Kilowatt-hours Delivered | Kilowatt-hours Net Difference | Amount of Settlement |
|---|---|---|---|---|---|---|---|---|
| | (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 | | | | | |
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| 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 | 17,944,845 |
| 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 the sum of its coincidental net generation and purchases plus or minus net interci minus temporary deliveries (not interchange) or emergency power to another sysi Monthly peak including such emergency deliveries should be shown in a footnote a brief explanation as to the nature of the emergency.

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

4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net trans- mission or wheeling. Total for the year should agree with line 15 above.

5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

### Monthly Peak

| Line No. | Month (a) | Kilowatts (b) | Day of Week (c) | Day of Month (d) | Hour (e) | Type of Reading (f) | Monthly Output (kwh) See Instr. 4) (g) |
|---|---|---|---|---|---|---|---|
| 29 | January | 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 |
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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. generating station, other than a leased station or portion
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 thereo furnish a succinct statement explaining the arrangement and for which the respondent is not the sole owner. If suc 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 | | | |
|---|---|---|---|---|---|---|---|
| | | | | Kind of Fuel and Method of Firing (d) | Rated Pressure in lbs. (e) | Rated Steam Temperature* (f) | Rated Max. Continuous M lbs. Steam per Hour (g) |
| 1 | NOT APPLICABLE | | | | | | |
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| 5 | | | | | | | |
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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, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name or lessee, date term of lease and annual rent and how determined. Specif whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Turbine-Generators*

| Year Installed (h) | Type (i) | Steam Pressure at Throttle p.s.i.g. (j) | R.P.M. (k) | Name Plate Rating in Kilowatts: At Minimum Hydrogen Pressure (l) | Name Plate Rating in Kilowatts: At Maximum Hydrogen Pressure (m) | Hydrogen Pressure**: Min. (n) | Hydrogen Pressure**: Max. (o) | Power Factor (p) | Voltage K.v.++ (q) | Station Capacity Maximum Name Plate Rating*+ (r) | Line No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOT | APPLICABLE | | | | | | | | | | 1 |
| | | | | | | | | | | | 2 |
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| | | | | | 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 su 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 | | | | | | | |
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| 11 | *** NONE *** | | | | | | |
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* 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-owne Specify whether lessee is an associated company.
basis of sharing output, expenses, or revenues, and h 5. Designate any plant or equipment owned, not operated
expenses and/or revenues are accounted for and acc and not leased to another company. If such plant
affected. Specify if lessor, co-owner, or other party is a 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 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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) | Total Installed Generating Capacity in Kilowatts (name plate ratings) (q) | Line No. |
| | | | | | | | | | | 1 |
| | | | | | | | | | | 2 |
| | | | | | | | | | | 3 |
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| | | *** NONE *** | | | | | | | | 14 |
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| | | | | | | TOTALS | | | | 39 |

## COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
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 property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any 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-

| Line No. | Name of Station (a) | Location of Station (b) | Prime Movers: Diesel or Other Type Engine (c) | Name of Maker (d) | Year Installed (e) | 2 or 4 Cycle (f) | Belted or Direct Connected (g) |
|---|---|---|---|---|---|---|---|
| 1 | NOT APPLICABLE | | | | | | |
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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. Spe and not leased to another company. If such plant lessor, co-owner, or other party is an associated compa 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 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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) | Total Installed Generating Capacity in Kilowatts (name plate ratings) (q) | Line No. |
| NOT | APPLICABLE | | | | | | | | 1 |
| | | | | | | | | | 2 |
| | | | | | | | | | 3 |
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| | | | | | TOTALS | | | | 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 that statement of the facts in a footnote.
2,500 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 and 2,500 KW, respectively, if annual electric oper: gas turbine stations. For nuclear, see instructions 10 revenues of respondent are $25,000,000 or more. page 59.
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 Commissic 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) Labor (h) | Fuel (i) | Other (j) | Kind of Fuel (k) | Fuel Cost Per KWH Net Generation (Cents) 0 (l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
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| 13 | | | | | | | | | | | | |
| 14 | *** NOT APPLICABLE *** | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
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| 27 | | | | | | | | | | | | |
| 28 | | TOTALS | | | | | | | | | | |

## TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

| Line No. | Designation From (a) | Designation To (b) | Operating Voltage (c) | Type of Supporting Structure (d) | Length (Pole Miles) On Structures of Line Designated (e) | Length (Pole Miles) On Structures of Another Line (f) | Number of Circuits (g) | Size of Conductor and Material (h) |
|---|---|---|---|---|---|---|---|---|
| 1 | NOT APPLICABLE | | | | | | | |
| 2 | | | | | | | | |
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| 45 | | | | | | | | |
| 46 | | | | | | | | |
| 47 | | | | TOTALS | 0 | | 0 | |

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

## SUBSTATIONS

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

| Line No. | Name and Location of Substation (a) | Character of Substation (b) | VOLTAGE Primary (c) | VOLTAGE Secondary (d) | VOLTAGE Tertiary (e) | Capacity of Substation in Kva (in Service) (f) | Number Of Transformers in Service (g) | Number of Spare Transformers (h) | Conversion Apparatus and Special Equipment: Type of Equipment (i) | Number Of Units (j) | Total Capacity (k) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Wakefield Substation | Distribution | 13,800 | 4,169 | | 17,500 | 4 | 0 | | | |
| 2 | Wakefield Avenue | Unattended | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | Matthew J Burns | Distribution | 13,800 | 4,169 | | 12,500 | 2 | 0 | | | |
| 6 | Ballister Street | Unattended | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | Marcus Beebe | Distribution | 115,000 | 13,800 | | 110,000 | 2 | 1 | | | |
| 10 | Farm Street | Unattended | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
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| 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 | | | | |
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## 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 |

## 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 Miles* (c) | Underground Cable Operating voltage (d) | Submarine Cable Feet* (e) | Submarine Cable 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 | | | | | | |
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| 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 Municipal (c) | Incandescent Other (d) | Mercury Vapor Municipal (e) | Mercury Vapor Other (f) | Metal Municipal Halide (g) | Other (h) | High Press. Sodium Municipal (i) | High Press. Sodium Other (j) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Wakefield | 2,885 | 386 | | 164 | 249 | 21 | | 1,922 | 143 |
| 2 | | | | | | | | | | |
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| 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 | 111 | 10,231 | 21,358 | 47,639 | 69,579 |
| - | - | - | - | - | - | - |
| 6,473 | -142 | 111 | 10,231 | 21,358 | 47,639 | 69,579 |
| 6,473 | -142 | 111 | 10,231 | 21,358 | 47,639 | 69,579 |
| 6,473 | -142 | 111 | 10,231 | 21,358 | 47,639 | 69,579 |
| 17,511 | 12,430 | 11,156 | 11,482 | 16,241 | 34,709 | 58,004 |
| 0 | | | | | | |
| 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*

.....

.....

.....

Selectmen or Members of the Municipal Light Board