

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the Town of

Concord, MA

to the

The Commonwealth of Massachusetts

Department of Public Utilities

For the year ended December 31,

2012

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

Official title: Financial Administrator

Sherman Chapman

Office address 1175 Elm Street
P.O. Box 1029
Concord, MA 01742-1029

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GENERAL INFORMATION

3

1. Name of town (or city) making this report. Concord
2. If the town (or city) has acquired a plant, NONE
Kind of plant, whether gas or electric.
Owner from whom purchased, if so acquired.
Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws
Record of votes: First vote: Yes, ; No, Second vote: Yes, ; No,
Date when town (or city) began to sell gas and electricity, 1898
3. Name and address of manager of municipal lighting:
Christopher Whelan, Town House, Concord, MA 01742
4. Name and address of mayor or selectmen:
Carmin C. Reiss, Town House, Concord, MA 01742, Chairperson
Jeffrey S. Wieand, Town House, Concord, MA 01742, Clerk
Stanly E. Black, Town House, Concord, MA. 01742
Steven Ng, Town House, Concord, MA. 01742
Elise F. Woodward, Town House, Concord, MA. 01742
5. Name and address of town (or city) treasurer:
Anthony Logalbo, Town House, Concord, MA. 01742
6. Name and address of town (or city) clerk:
Anita S. Tekle, Town House, Concord, MA 01742
7. Names and addresses of members of municipal light board:
Hugh Lauer, Municipal Light Plant, Concord, MA 01742, Chairperson
Robert Kusik, Municipal Light Plant, Concord, MA 01742
Judy Walpole, Municipal Light Plant, Concord, MA 01742
Jim Terry, Municipal Light Plant, Concord, MA 01742
Gary Clayton, Municipal Light Plant, Concord, MA 01742
8. Total valuation of estates in town (or city) according to last state valuation \$5,090,058,629.00
9. Tax rate for all purposes during the year: Fiscal Year 2012 \$13.58 / 1,000
10. Amount of Director's salary: \$122,599.00
11. Amount of manager's bond: \$0.00
12. Amount of salary paid to members of municipal light board (each) \$0.00

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..... | \$0.00 |
| 2 | FROM SALE OF ELECTRICITY..... | 25,074,671.00 |
| 3 | | |
| 4 | TOTAL | \$25,074,671.00 |
| 5 | Expenses: | |
| 6 | For operation, maintenance and repairs..... | \$21,013,555.00 |
| 7 | For interest on bonds, notes or scrip..... | 190,778.00 |
| 8 | For depreciation fund (3% on \$53,094,270.74 as per page 8B)..... | 1,595,865.00 |
| 9 | For sinking fund requirements..... | |
| 10 | For note payments..... | |
| 11 | For bond payments..... | 760,000.00 |
| 12 | For loss in preceding year..... | |
| 13 | TOTAL | \$23,560,198.00 |
| 14 | | |
| 15 | Cost: | |
| 16 | Of gas to be used for municipal buildings..... | |
| 17 | Of gas to be used for street lights..... | |
| 18 | Of electricity to be used for municipal buildings..... | \$1,541,718.00 |
| 19 | Of electricity to be used for street lights..... | 69,000.00 |
| 20 | Total of above items to be included in the tax levy..... | 1,610,718.00 |
| 21 | | |
| 22 | New construction to be included in the tax levy..... | |
| 23 | Total amounts to be included in the tax levy..... | \$1,610,718.00 |

CUSTOMERS

| Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each | | Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each | |
|--|---|--|---|
| City or town | Number of Customers' Meters, December 31. | City or Town | Number of Customers' Meters, December 31. |
| | | Concord | 8,250 |
| | | Lincoln | 7 |
| | | Acton | 6 |
| TOTAL | | TOTAL | 8,263 |

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..... | | \$ | 69,000 |
| 2. | Municipal buildings..... | | | 1,541,718 |
| | | TOTAL | \$ | 1,610,718 |

*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:

1. Purchased a new 2013 all electric Ford Focus, used 2012 Ford Escape Hybrid, and a 2013 International mid-size dump truck.
2. Substation 479 - performed maintenance and testing of substation relays, repaired a damaged distribution breaker.
3. Emerson Hospital - completed the design and installed a conduit system and pad for the proposed outdoor metal clad switch gear replacement project.
4. Converted an existing 4160 Volt circuit in the West concord area to a 13800 Volt circuit. This included the following: installation of overhead single-phase and three-phase tree proof wire, replaced rotted and old utility poles, and replaced the 4160 Volt transformers with new 13800 Volt rated transformers.
5. Replaced an existing 4160 Volt overhead primary electric distribution system with a new 13800 Volt system for MCI Concord located at #965 Elm Street.
6. Modified the electric facilities on Laurel Street from overhead to underground.
7. Completed the installation of and conversion of the upgraded Circuit 219-H15 configuration which incorporated provisions for the Concord Muse Apartments, three-phase sectionalizing and protection to all three-phase customers, and a loop/feed system.
8. Completed installation of the three-phase primary electric distribution system at the Concord Muse Apartments located on Nathan Pratt Drive which provides housing to 300 residential apartments.
9. Replaced a failed direct buried primary electric distribution system with a new conduit system and cable at 664-676 Lowell Road.
10. Designed and installed a new underground primary electric distribution system for 175 Simon Willard Road, Concord Academy Athletic Campus on Fairhaven Road, 330 Baker Ave., 82 Shadyside Ave., and Fenn School on Monument Street.
11. Disconnected and removed part of primary metered three-phased overhead electric distribution system, installed a new three-phase overhead primary distribution system to the main building, and installed a single-phase temporary overhead primary distribution system to feed the trailers at 2229 Main St.

Maintenance of overhead facilities:

Replaced and repaired numerous overhead electric sections damaged during the 2012 storms including hurricane Sandy.

In gas property:

BONDS

(Issued on Account of Gas or Electric Lighting.)

| When Authorized* | Date of Issue | Amount of Original Issue | Period of Payments | | Rate | Interest When Payable | Amount Outstanding |
|------------------|---------------|--------------------------|---------------------|--------------|-------|-----------------------|-----------------------|
| | | | Amounts | When Payable | | | |
| 4-4-1898 | 8-1-1898 | 35,000.00 | | | | | |
| 6-1-1900 | 8-1-1900 | 16,000.00 | | | | | |
| 4-1-1901 | 8-1-1901 | 10,000.00 | | | | | |
| 9-30-1902 | 11-1-1902 | 10,000.00 | | | | | |
| 9-30-1903 | 10-1-1903 | 15,000.00 | | | | | |
| 4-4-1904 | 8-1-1904 | 10,000.00 | | | | | |
| 4-4-1910 | 8-1-1910 | 20,000.00 | | | | | |
| 5-6-1916 | 11-1-1916 | 10,000.00 | | | | | |
| 3-7-1921 | 7-5-1921 | 75,000.00 | | | | | |
| 3-14&15-1955 | 11-1-1955 | 225,000.00 | | | | | |
| 6-8-1956 | 7-1-1956 | 115,000.00 | | | | | |
| 5-6-1974 | 10-1-1974 | 700,000.00 | | | | | |
| 5-19-1980 | 3-18-1981 | 627,000.00 | | | | | |
| 3-27-1990 | 4-15-1991 | 500,000.00 | | | | | |
| 3-27-1990 | 4-15-1991 | 1,000,000.00 | | | | | |
| 4-22-1991 | 4-15-1992 | 2,000,000.00 | | | | | |
| 4-22-1991 | 4-15-1992 | 500,000.00 | | | | | |
| 4-22-1991 | 6-29-1993 | 6,000,000.00 | 300,000.00 | July 15 | 4.70% | Jan 15 & July 15 | 300,000.00 |
| 4-22-2002 | 2-15-2003 | 600,000.00 | | | | | |
| 4-27-2005 | 3-1-2006 | 500,000.00 | 55,000.00 | March 1 | 3.42% | Sep 1 & Mar 1 | 165,000.00 |
| 4-27-2005 | 3-1-2007 | 1,000,000.00 | 110,000.00 | March 1 | 3.81% | Sep 1 & Mar 1 | 450,000.00 |
| 4-27-2009 | 5-17-2011 | 4,000,000.00 | 300,000.00 | May 15 | 2.59% | May 15 & Nov 15 | 3,700,000.00 |
| TOTAL | | \$17,958,000.00 | \$765,000.00 | | | | \$4,615,000.00 |

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

*Date of meeting and whether regular or special

TOWN NOTES

(Issued on Account of Gas or Electric Lighting.)

| When Authorized* | Date of Issue | Amount of Original Issue | Period of Payments | | Rate | Interest When Payable | Amount Outstanding |
|------------------|---------------|--------------------------|--------------------|--------------|------|-----------------------|--------------------|
| | | | Amounts | When Payable | | | |
| 4-3-1905 | 5-1-1905 | 3,000.00 | | | | | |
| 4-2-1906 | 5-1-1906 | 5,000.00 | | | | | |
| 4-1-1907 | 10-1-1907 | 2,000.00 | | | | | |
| 4-6-1908 | 11-2-1908 | 6,000.00 | | | | | |
| 4-5-1909 | 4-5-1909 | 2,000.00 | | | | | |
| 4-1-1912 | 6-1-1912 | 8,000.00 | | | | | |
| 5-6-1913 | 10-1-1913 | 15,000.00 | | | | | |
| 3-14-1957 | 11-1-1957 | 60,000.00 | | | | | |
| 6-14-1971 | 2-20-1974 | 150,000.00 | | | | | |
| 4-27-2005 | 7-28-2005 | 500,000.00 | | | | | |
| 4-27-2005 | 5-4-2006 | 700,000.00 | | | | | |
| 4-27-2009 | 5-27-2010 | 4,000,000.00 | | | | | |
| TOTAL | | \$5,451,000.00 | \$0.00 | | | | \$0.00 |

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.
 *Date of meeting and whether regular or special

TOTAL COST OF PLANT - ELECTRIC (Continued)

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Retirements (d) | Adjustments (e) | Transfers (f) | Balance End of Year (g) |
|----------|---|-------------------------------|---------------|-----------------|-----------------|---------------|-------------------------|
| 1 | C. Hydraulic Production Plant | | | | | | |
| 2 | 330 Land and Land Rights | | | | | | |
| 3 | 331 Structures and Improvements | | | | | | |
| 4 | 332 Reservoirs, Dams and Waterways | | | | | | |
| 5 | 333 Water Wheels, Turbines and Generators | | | | | | |
| 6 | 334 Accessory Electric Equipment | | | | | | |
| 7 | 335 Miscellaneous Power Plant Equipment | | | | | | |
| 8 | 336 Roads, Railroads and Bridges | | | | | | |
| 9 | Total Hydraulic Production Plant | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| 10 | D. Other Production Plant | | | | | | |
| 11 | 340 Land and Land Rights | | | | | | |
| 12 | 341 Structures and Improvements | | | | | | |
| 13 | 342 Fuel Holders, Producers and Accessories | | | | | | |
| 14 | 343 Prime Movers | | | | | | |
| 15 | 344 Generators | | | | | | |
| 16 | 345 Accessory Electric Equipment | | | | | | |
| 17 | 346 Miscellaneous Power Plant Equipment | | | | | | |
| 18 | Total Other Production Plant | \$0.00 | \$0.00 | \$0.00 | \$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 | 497,588.75 | | | | | 497,588.75 |
| 22 | 352 Structures and Improvements | 1,967,108.66 | | | | | 1,967,108.66 |
| 23 | 353 Station Equipment | 1,707,505.98 | 21,938.00 | 19,500.00 | | | 1,709,943.98 |
| 24 | 357 Underground Conduits | 421,793.11 | | | | | 421,793.11 |
| 25 | 358 Undergrnd Conductors & Devices | 487,720.07 | | | | | 487,720.07 |
| 26 | Total Transmission Plant | 5,081,716.57 | 21,938.00 | 19,500.00 | 0.00 | 0.00 | 5,084,154.57 |
| 27 | 3A. SUBTRANSMISSION PLANT | | | | | | |
| 28 | 352ST Structures and Improvements | 211,474.35 | (10.19) | | | | 211,474.35 |
| 29 | 353ST Station Equipment | 1,289,493.03 | | | | | 1,289,482.84 |
| 30 | 357ST Underground Conduits | 2,829,991.75 | | | | | 2,829,991.75 |
| 31 | 358ST Undergrnd Conductors & Devices | 2,000,454.82 | | | | | 2,000,454.82 |
| 32 | Total Sub & Transmission Plant | 6,331,413.95 | (10.19) | 0.00 | 0.00 | 0.00 | 6,331,403.76 |

COMPARATIVE BALANCE SHEET Assets and Other Debits

| Line No. | Title of Account (a) | Balance Beginning of Year (b) | Balance End of Year (c) | Increase or (Decrease) (d) |
|----------|--|-------------------------------|-------------------------|----------------------------|
| 1 | UTILITY PLANT | | | |
| 2 | 101 Utility Plant - Electric (P.17) | 36,345,775.79 | 36,045,795.76 | (299,980.03) |
| 3 | 101 Utility Plant - gas (P.20) | | | |
| 4 | 123 Investment in Associated Companies | | | |
| 5 | Total Utility Plant | 36,345,775.79 | 36,045,795.76 | (299,980.03) |
| 6 | | | | |
| 7 | 121 Non Utility Property | 0.00 | 0.00 | 0.00 |
| 8 | | | | |
| 9 | FUND ACCOUNTS | | | |
| 10 | 124 Other Investments | 169,895.07 | 163,268.87 | (6,626.20) |
| 11 | 125 Sinking Funds | | | |
| 12 | 126 Depreciation Fund (P. 14) | 951,780.36 | 1,540,844.63 | 589,064.27 |
| 13 | 128 Other Special Funds | 168,215.79 | 174,276.08 | 6,060.29 |
| 14 | | | | |
| 15 | Total Funds | 1,289,891.22 | 1,878,389.58 | 588,498.36 |
| 16 | CURRENT AND ACCRUED ASSETS | | | |
| 17 | 131 Cash (P. 14) | 7,918,912.69 | 6,979,937.32 | (938,975.37) |
| 18 | 132 Special Deposits + 134 | 4,273,771.84 | 1,343,794.42 | (2,929,977.42) |
| 19 | 133 Operating Reserve Fund | 1,130,000.00 | 1,130,000.00 | 0.00 |
| 20 | 135 Working Funds 131A UG Fund | 217,622.46 | 430,206.63 | 212,584.17 |
| 21 | 141 Notes and Receivable | 0.00 | 0.00 | 0.00 |
| 22 | 142 Customer Accounts Receivable | 2,161,805.53 | 2,234,674.30 | 72,868.77 |
| 23 | 143 Other Accounts Receivable | 9,030.01 | 4,954.73 | (4,075.28) |
| 24 | 146 Receivables from Municipality | 85,294.40 | 76,653.13 | (8,641.27) |
| 25 | 154 Materials and Supplies (P.14) | 863,549.70 | 823,629.74 | (39,919.96) |
| 26 | 165 Prepayments | 3,217,615.99 | 3,284,326.93 | 66,710.94 |
| 27 | 174 Miscellaneous Current Assets | 1,812,038.75 | 1,774,858.51 | (37,180.24) |
| 28 | Total Current and Accrued Assets | 21,689,641.37 | 18,083,035.71 | (3,606,605.66) |
| 29 | DEFERRED DEBITS | | | |
| 30 | 181 Unamortized Debt Discount | (110,860.33) | (104,510.35) | 6,349.98 |
| 31 | 182 Extraordinary Property Losses | | | 0.00 |
| 32 | 186 Other Deferred Debits | 35,665.62 | 56,003.56 | 20,337.94 |
| 33 | Total Deferred Debits | (75,194.71) | (48,506.79) | 26,687.92 |
| 34 | | | | |
| 35 | Total Assets and Other Debits | 59,250,113.67 | 55,958,714.26 | (3,291,399.41) |

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

| Line No. | Title of Account (a) | Balance Beginning of Year (b) | Balance End of Year (c) | Increase or (Decrease) (d) |
|----------|---|-------------------------------|-------------------------|----------------------------|
| 1 | APPROPRIATIONS | | | |
| 2 | 201 Appropriations for Construction | | | |
| 3 | SURPLUS | | | |
| 4 | 205 Sinking Fund Reserves | | | |
| 5 | 206 Loans Repayments | 6,413,749.97 | 7,174,583.30 | 760,833.33 |
| 6 | 207 Appropriations for Construction Repayments | | | |
| 7 | 208 Unappropriated Earned Surplus (P.12) | 35,305,275.78 | 35,733,220.37 | 427,944.59 |
| 8 | Total Surplus | 41,719,025.75 | 42,907,803.67 | 1,188,777.92 |
| 9 | LONG TERM DEBT | | | |
| 10 | 221 Bonds (P.6) | 5,380,000.00 | 4,615,000.00 | (765,000.00) |
| 11 | 231 Notes Payable (P.7) | 0.00 | 0.00 | 0.00 |
| 12 | Total Bonds and Notes | 5,380,000.00 | 4,615,000.00 | (765,000.00) |
| 13 | CURRENT AND ACCRUED LIABILITIES | | | |
| 14 | 228 Appropriation of Benefit | 127,798.39 | 119,700.00 | (8,098.39) |
| 15 | 232 Accounts Payable | 3,103,343.28 | 3,225,409.11 | 122,065.83 |
| 16 | 234 Payables to Municipality | 207,473.00 | 207,473.00 | 0.00 |
| 17 | 235 Customer' Deposits | 332,252.03 | 324,123.80 | (8,128.23) |
| 18 | 236 Taxes Accrued | 45,832.29 | 27,530.34 | (18,301.95) |
| 19 | 237 Interest Accrued | 41,039.19 | 34,816.26 | (6,222.93) |
| 20 | 242 Miscellaneous Current and Accrued Liabilities | 8,005,865.22 | 4,076,233.72 | (3,929,631.50) |
| 21 | Total Current and Accrued Liabilities | 11,863,603.40 | 8,015,286.23 | (3,848,317.17) |
| 22 | DEFERRED CREDITS | | | |
| 23 | 251 Unamortized Premium on Debt | | | |
| 24 | 252 Customer Advances for Construction | 89,268.73 | 216,348.28 | 127,079.55 |
| 25 | 253 Other Deferred Credits | | | |
| 26 | Total Deferred Credits | 89,268.73 | 216,348.28 | 127,079.55 |
| 27 | RESERVES | | | |
| 28 | 260 Reserves for Uncollectable Accounts | 30,000.00 | 30,000.00 | 0.00 |
| 29 | 261 Property Insurance Reserve | | | |
| 30 | 262 Injuries and Damages Reserves | 168,215.79 | 174,276.08 | 6,060.29 |
| 31 | 263 Pensions and Benefits | | | |
| 32 | 265 Miscellaneous Operating Reserves | | | |
| 33 | Total Reserves | 198,215.79 | 204,276.08 | 6,060.29 |
| 34 | CONTRIBUTIONS IN AID OF CONSTRUCTION | | | |
| 35 | 271 Contributions in Aid of Construction | | | 0.00 |
| | Total Liabilities and Other Credits | 59,250,113.67 | 55,958,714.26 | (3,291,399.41) |

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.

Payment in Lieu of Taxes \$385,000.00

STATEMENT OF INCOME FOR THE YEAR

| Line No. | Account (a) | Current Year (b) | Increase or (Decrease) from Preceding Year (c) |
|----------|---|------------------|--|
| 1 | OPERATING INCOME | | |
| 2 | 400 Operating Revenue (P.37) | 28,331,654.90 | 779,120.92 |
| 3 | Operating Expenses: | | |
| 4 | 401 Operation Expense (P.42) | 24,456,693.53 | 772,246.39 |
| 5 | 402 Maintenance Expense (P. 42) | 678,151.18 | 14,395.72 |
| 6 | 403 Depreciation Expense | 1,475,393.85 | 30,037.86 |
| 7 | 407 Amortization of Property Losses | | |
| 8 | | | |
| 9 | 408 Taxes (P.49) | | |
| 10 | Total Operating Expenses | 26,610,238.56 | 816,679.97 |
| 11 | Operating Income | 1,721,416.34 | (37,559.05) |
| 12 | 414 Other Utility Operating Income (P.50) | | |
| 13 | | | |
| 14 | Total Operating Income | 1,721,416.34 | (37,559.05) |
| 15 | OTHER INCOME | | |
| 16 | 415 Income from Merch., Job.& Contract Work(P.51) | 138,688.76 | (7,376.52) |
| 17 | 419 Interest Income | 41,961.00 | (12,711.35) |
| 18 | 421 Miscellaneous Nonoperating Income | 2,719.67 | (1,855.64) |
| 19 | Total Other Income | 183,369.43 | (21,943.51) |
| 20 | Total Income | 1,904,785.77 | (59,502.56) |
| 21 | MISCELLANEOUS INCOME DEDUCTIONS | | |
| 22 | 425 Miscellaneous Amortization | | 0.00 |
| 23 | 426 Other Income Deductions | 581.41 | (626.63) |
| 24 | Total Income Deductions | 581.41 | (626.63) |
| 25 | Income Before Interest Charges | 1,904,204.36 | (58,875.93) |
| 26 | INTEREST CHARGES | | |
| 27 | 427 Interest on Bonds and Notes | 166,707.08 | 6,992.81 |
| 28 | 428 Amortization of Debt Discount and Expense | (6,349.98) | (2,940.28) |
| 29 | 429 Amortization of Premium on Debt-Credit | | |
| 30 | 431 Other Interest Expense | | |
| 31 | 432 Interest Charged to Construction-Credit | | |
| 32 | Total Interest Charges | 160,357.10 | 4,052.53 |
| 33 | Net Income | 1,743,847.26 | (62,928.46) |

EARNED SURPLUS

| Line No. | (a) | Debits (b) | Credits (c) |
|----------|---|----------------------|----------------------|
| 34 | Unapprop.Earned Surplus(at beginning of period) | | 35,305,275.78 |
| 35 | | | |
| 36 | | | |
| 37 | 433 Balance Transferred from Income | | 1,743,847.26 |
| 38 | 434 Miscellaneous Credits to Surplus (P.21) | | |
| 39 | 435 Miscellaneous Debits to Surplus (P.21) | | |
| 40 | 436 Appropriation of Surplus (P.21) | 1,145,833.33 | |
| 41 | 437 Surplus Applied to Depreciation | 170,069.34 | |
| 42 | 208 Unapprop. Earned Surplus(at end of period) | 35,733,220.37 | |
| 43 | | | |
| 44 | TOTALS | 37,049,123.04 | 37,049,123.04 |

CASH BALANCES AT END OF YEAR (Account 131)

| Line No. | Items (a) | Amount (b) |
|----------|--|--------------|
| 1 | Operating Cash Fund..... | 6,979,937.32 |
| 2 | Underground Fund..... | 430,206.63 |
| 3 | Emergency Repairs Fund..... | 1,130,000.00 |
| 4 | Customer Deposit Fund..... | 324,123.80 |
| 5 | Customer Advance for Construction..... | 216,348.28 |
| 6 | Bond Fund..... | 483,333.33 |
| 7 | Interest Fund..... | 38,550.38 |
| 8 | Rate Stabilization Fund..... | 280,068.80 |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | TOTAL | 9,882,568.54 |

MATERIALS AND SUPPLIES (Accounts 151-159, 163)

Summary per Balance Sheet

| Line No. | Account (a) | Amount End of Year |
|----------|---|--------------------|
| | | Electric (b) |
| 13 | Fuel (Account 151) (See Schedule, Page 25) | |
| 14 | Fuel Stock Expenses (Account 152) | |
| 15 | Residuals (Account 153) | |
| 16 | Plant Materials & Operating Supplies(Account 154) | 823,629.74 |
| 17 | Merchandise (Account 155) | |
| 18 | Other Materials and Supplies (Account 156) | |
| 19 | Nuclear Fuel Assembly & Comp.-(Acct.157) | |
| 20 | Nuclear Fuel Assembly & Comp.-(Account 158) | |
| 21 | Nuclear Byproduct Materials (Account 159) | |
| 22 | Stores Expense (Account 163) | |
| 23 | Total Per Balance Sheet | 823,629.74 |

DEPRECIATION FUND ACCOUNT (Account 126)

| Line No. | (a) | Amount (b) |
|----------|---|--------------|
| 24 | DEBITS | |
| 25 | Balance of account at beginning of year | 951,780.36 |
| 26 | Income during year from balance on deposit | 4,185.31 |
| 27 | Amount transferred from income | 1,475,393.85 |
| 28 | Amount transferred from underground fund | 148,877.92 |
| 29 | TOTAL | 2,580,237.44 |
| 30 | CREDITS | |
| 31 | Amount expended for constr.(Sec.57,C.164 of G.L.) | 1,039,392.81 |
| 32 | Amounts expended for renewals,viz:- | |
| 33 | | |
| 38 | | |
| 39 | Balance on hand at end of year | 1,540,844.63 |
| 40 | | |

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 | \$1,408,335.27 | | (\$20,863.65) | | | \$1,387,471.62 |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | 2. PRODUCTION PLANT | | | | | | |
| 6 | A. Steam Production | | | | | | |
| 7 | 310 Land and Land Rights | | | | | | |
| 8 | 311 Structures and Improvements | | | | | | |
| 9 | 312 Boiler Plant Equipment | | | | | | |
| 10 | 313 Engines & Engine Driven Generators | | | | | | |
| 11 | 314 Turbogenerator Units | | | | | | |
| 12 | 315 Accessory Electric Equipment | | | | | | |
| 13 | 316 Miscellaneous Power Plant Equipment | | | | | | |
| 14 | | | | | | | |
| 15 | Total Steam Production Plant | NONE | | | | | |
| 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 | NONE | | | | | |

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 | | | | | | |
| 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 | NONE | | | | | |
| 10 | D. Other Production Plant | | | | | | |
| 11 | 340 Land and Land Rights..... | | | | | | |
| 12 | 341 Structures and Improvements..... | | | | | | |
| 13 | 342 Fuel Holders, Prod. & Access. | | | | | | |
| 14 | 343 Prime Movers..... | | | | | | |
| 15 | 344 Generators..... | | | | | | |
| 16 | 345 Accessory Electric Equipment..... | | | | | | |
| 17 | 346 Misc. Power Plant Equipment | | | | | | |
| 18 | Total Other Production Plant | NONE | | | | | |
| 19 | Total Production Plant | NONE | | | | | |
| 20 | 3. TRANSMISSION PLANT | | | | | | |
| 21 | 350 Land and Land Rights..... | \$497,588.75 | | | | | \$497,588.75 |
| 22 | 352 Structures and Improvements..... | 1,007,168.90 | | | | | 948,155.66 |
| 23 | 353 Station Equipment..... | 432,581.24 | 8,288.00 | (\$59,013.24) | | | 389,644.00 |
| 24 | 357 Underground Conduits..... | 85,775.41 | | (8,435.88) | | | 77,339.53 |
| 25 | 358 Underground Conductors and Devices | 138,593.13 | | (14,631.60) | | | 123,961.53 |
| 26 | Total Transmission Plant..... | 2,161,707.43 | 8,288.00 | (133,305.96) | 0.00 | 0.00 | 2,036,689.47 |
| 27 | 3A. SUBTRANSMISSION PLANT | | | | | | |
| 28 | 352ST Structures and Improvements..... | 113,362.83 | | (6,344.28) | | | 107,018.55 |
| 29 | 353ST Station Equipment..... | 698,866.11 | (10.19) | (38,684.76) | | | 660,171.16 |
| 30 | 357ST Underground Conduits..... | 1,628,423.11 | | (56,599.80) | | | 1,571,823.31 |
| 31 | 358ST Underground Conductors and Devices | 980,769.46 | | (60,013.68) | | | 920,755.78 |
| 32 | Total Sub & Transmission Plant | 3,421,421.51 | (10.19) | (161,642.52) | 0.00 | 0.00 | 3,259,768.80 |

UTILITY PLANT - ELECTRIC (Concluded)

| 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..... | \$186,275.00 | | (\$20,525.76) | | | \$186,275.00 |
| 3 | 361 Structures and Improvements..... | 362,017.72 | | (23,760.00) | | | 341,491.96 |
| 4 | 362 Station Equipment..... | 512,836.66 | | | | | 489,076.66 |
| 5 | 363 Storage Battery Equipment..... | 0.00 | | | | | 0.00 |
| 6 | 364 Poles, Towers and Fixtures..... | 373,343.71 | (4,985.26) | (35,444.76) | | | 332,913.69 |
| 7 | 365 Overhead Conductors and Devices | 1,330,870.30 | 42,099.53 | (79,372.80) | | | 1,293,597.03 |
| 8 | 366 Underground Conduits..... | 6,422,516.31 | 266,323.34 | (172,110.00) | | | 6,516,729.65 |
| 9 | 367 Underground Conductors & Devices | 4,262,367.66 | 45,630.02 | (190,502.04) | | | 4,117,495.64 |
| 10 | 368 Line Transformers..... | 1,411,295.07 | 114,156.15 | (102,052.56) | | | 1,423,398.66 |
| 11 | 369 Services..... | 621,091.81 | 49,888.91 | (23,757.48) | | | 647,223.24 |
| 12 | 369C Service Conversions-Ovhd to Undergrnd. | 297,276.69 | 14,773.65 | (13,125.72) | | | 298,924.62 |
| 13 | 370 Meters..... | 795,074.11 | 4,034.38 | (47,580.24) | | | 751,528.25 |
| 14 | 371 Installation on Cust's Premises | 45,353.43 | 748.90 | (1,979.28) | | | 44,123.05 |
| 15 | 372 Leased Prop. on Cust's Premises | 0.00 | | | | | 0.00 |
| 16 | 373 Street Light and Signal Systems | 738,092.81 | 9,539.30 | (46,592.16) | | | 701,039.95 |
| 17 | Total Distribution Plant | 17,358,411.28 | 542,208.92 | (756,802.80) | 0.00 | 0.00 | 17,143,817.40 |
| 18 | 5. GENERAL PLANT | | | | | | |
| 19 | 389 Land and Land Rights..... | 0.00 | | | | | 0.00 |
| 20 | 390 Structures and Improvements..... | 3,543,853.72 | 16,242.92 | (146,026.56) | | | 3,414,070.08 |
| 21 | 391 Office Furniture and Equipment..... | 98,112.46 | | (11,055.96) | | | 87,056.50 |
| 22 | 392 Transportation Equipment..... | 453,779.73 | 217,026.01 | (94,278.96) | | | 576,526.78 |
| 23 | 393 Stores Equipment..... | 28,578.78 | | (1,797.60) | | | 26,781.18 |
| 24 | 394 Tools, Shop and Garage Equipment | 6,000.08 | 9,199.00 | (1,533.36) | | | 13,665.72 |
| 25 | 395 Laboratory Equipment..... | 75,301.44 | 3,018.45 | (10,633.92) | | | 67,685.97 |
| 26 | 396 Power Operated Equipment..... | 3,269.05 | 2,989.00 | (251.52) | | | 6,006.53 |
| 27 | 397 Communication Equipment..... | 680,195.84 | 3,274,521.14 | (102,275.52) | | | 3,852,441.46 |
| 28 | 398 Miscellaneous Equipment..... | 2,104.80 | 8,518.62 | (294.60) | | | 10,328.82 |
| 29 | 399 Computer Equipment..... | 111,236.71 | 12,109.16 | (34,630.92) | | | 88,714.95 |
| 30 | Total General Plant | 5,002,432.61 | 3,543,624.30 | (402,778.92) | 0.00 | 0.00 | 8,143,277.99 |
| 31 | Total Electric Plant in Service | 29,352,308.10 | 4,094,111.03 | (1,475,393.85) | 0.00 | 0.00 | 31,971,025.28 |
| 32 | 104 Utility Plant Leased to Others | | | | | | |
| 33 | 105 Property Held for Future Use | | | | | | |
| 34 | 107 Construction Work in Progress | | | | | | |
| | Total Utility Plant Electric | 6,993,467.69 | (2,918,697.21) | | | | 4,074,770.48 |
| | | 36,345,775.79 | 1,175,413.82 | (1,475,393.85) | 0.00 | 0.00 | 36,045,795.76 |

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 154)
(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 | | | Cost (f) |
|--|----------------------------|----------------|-----------------------|--------------|--------------|----------|
| | | | Quantity (c) | Cost (d) | Quantity (e) | |
| 1 | On Hand Beginning of Year | | NONE | | | |
| 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 | | | | | |
| Kinds of Fuel and Oil - Continued | | | | | | |
| Line No. | Item (g) | Quantity (h) | Cost (i) | Quantity (j) | Cost (k) | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |

MISCELLANEOUS NON-OPERATING INCOME (Account 421)

| Line No. | Item (a) | Amount (b) |
|----------|---|------------|
| 1 | Sale of Solar Renewable Energy Certificates | 2,719.67 |
| 2 | | |
| 4 | | |
| 5 | | |
| 6 | TOTAL | 2,719.67 |

OTHER INCOME DEDUCTIONS (Account 426)

| Line No. | Item (a) | Amount (b) |
|----------|----------------------|------------|
| 7 | Interest on Deposits | 581.41 |
| 8 | | |
| 9 | | |
| 12 | | |
| 13 | | |
| 14 | TOTAL | 581.41 |

MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

| Line No. | Item (a) | Amount (b) |
|----------|----------|------------|
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 21 | | |
| 22 | | |
| 23 | TOTAL | 0.00 |

MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

| Line No. | Item (a) | Amount (b) |
|----------|----------|------------|
| 24 | | |
| 25 | | |
| 26 | | |
| 30 | | |
| 31 | | |
| 32 | TOTAL | 0.00 |

APPROPRIATIONS OF SURPLUS (Account 436)

| Line No. | Item (a) | Amount (b) |
|----------|--------------------------------------|--------------|
| 33 | Appropriation to reduce tax levy | 385,000.00 |
| 34 | Appropriation for Repayment of Bonds | 760,833.33 |
| 35 | | |
| 37 | | |
| 38 | | |
| 39 | | |
| 40 | TOTAL | 1,145,833.33 |

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

| Line No. | Acc't No. | Gas Schedule (a) | Cubic Feet (b) | Revenue Received (c) | Average Revenue Per M.C.F. (\$0.0000) (d) |
|----------|-----------|------------------|----------------|----------------------|---|
| 1 | | | | | |
| 2 | | | | | |
| 3 | 482 | | | | |
| 4 | | TOTALS | NONE | | |

| Line No. | Acc't No. | Electric Schedule (a) | K.W.H. (b) | Revenue Received (c) | Average Revenue Per K.W.H. (cents) (0.0000) (d) |
|----------|-----------|---|------------|----------------------|---|
| 5 | 444 | Municipal: (Other Than Street Lighting) | 10,524,850 | 1,407,367.96 | 13.3719 |
| 6 | | | | | |
| 7 | | TOTALS | 10,524,850 | 1,407,367.96 | 13.3719 |
| 8 | | | | | |
| 9 | | Street Lighting: | 448,125 | 66,589.80 | 14.8596 |
| 10 | | | | | |
| 11 | | TOTALS | 448,125 | 66,589.80 | 14.8596 |
| 12 | | | | | |
| 13 | | | | | |
| 17 | | | | | |
| 19 | | TOTALS | 10,972,975 | 1,473,957.76 | 13.4326 |

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 | | Concord Mass. | | | |
| 21 | Customer Net Metering | @ 13800 Volts | 63,968 | 2,732.87 | 4.2722 |
| 22 | PASNY Hydro Power | Station #219 @115/13.8Kv | 6,715,218 | 106,449.74 | 1.5852 |
| 23 | Morgan Stanley | | 147,755,508 | 12,951,622.01 | 8.7656 |
| 24 | Braintree Watson | | 5,420,860 | 1,527,742.19 | 28.1827 |
| 25 | ISO Spot Market | | 2,388,139 | 1,309,149.01 | 54.8188 |
| 26 | Miller Hydro Group | | 5,548,889 | 352,672.00 | 6.3557 |
| 27 | Industrial Power Services | | 7,402,987 | 455,476.77 | 6.1526 |
| | Spruce Mountain Wind | | 5,213,820 | 342,949.97 | 6.5777 |
| 28 | Dominion UCAP | | CAPACITY Only | 568,620.00 | 0.0000 |
| | PSEG of New Jersey | | CAPACITY Only | 469,474.16 | 0.0000 |
| 29 | | TOTALS | 180,509,389 | 18,086,888.72 | 10.0199 |

SALES FOR RESALE (Account 447)

| Line No. | Names of Utilities from Which Electric Energy is Sold (a) | Where and at What Voltage Received (b) | K.W.H. (c) | Amount (d) | Revenues per K.W.H. (cents) (0.0000) (e) |
|----------|---|--|------------|------------|--|
| 30 | | | | | |
| 31 | | | | | |
| 36 | | | | | |
| 39 | | TOTALS | | 0.00 | |

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-R1 | Residential | 63,834,581 | 11,106,562.29 | 0.1740 | 6,176 | 6,309 |
| 2 | 440-R2 | Residential w/Contrl'd Wtr Ht | 5,006,778 | 708,685.25 | 0.1415 | 374 | 374 |
| 3 | 440-R3 | Residential Off Peak | 1,794,408 | 98,696.90 | 0.0550 | | |
| 4 | 440-R4 | Residential Farm | 99,042 | 15,573.27 | 0.1572 | 6 | 6 |
| 5 | 442-G1-1 | Small General | 13,830,064 | 2,721,790.47 | 0.1968 | 1,249 | 1,147 |
| 6 | 442-G1-2 | General w/Contrl'd Wtr Ht | 552 | 30.39 | 0.0551 | | |
| 7 | 442-21OP | General W Controlled ETS Heat | 26,322 | 1,447.77 | 0.0550 | | |
| 8 | 442-G1-4 | Small General Farm | 121,783 | 22,012.99 | 0.1808 | 7 | 6 |
| 9 | 442-G2-1 | Medium General | 22,568,912 | 3,876,008.56 | 0.1717 | 156 | 155 |
| 10 | 442-G2-4 | Medium General Farm | 290,710 | 41,967.34 | 0.1444 | 1 | 1 |
| 11 | 442-G3-1 | Large General | 52,454,964 | 7,447,443.67 | 0.1420 | 23 | 23 |
| 12 | 444-G1 | Municipal Small General | 282,567 | 57,593.83 | 0.2038 | 41 | 41 |
| 13 | 444-G2 | Municipal Medium General | 4,813,776 | 783,759.13 | 0.1628 | 22 | 22 |
| 14 | 444-G3 | Municipal Large General | 5,506,652 | 839,186.45 | 0.1524 | 5 | 5 |
| 15 | 444-SL | Municipal Street Lights | 448,215 | 66,543.80 | 0.1485 | 1 | 1 |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 31 | | | | | | | |
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| 34 | | | | | | | |
| 35 | | | | | | | |
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| 41 | | | | | | | |
| 42 | | | | | | | |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | TOTAL SALES TO ULTIMATE CONSUMERS | | | | | | |
| 49 | (page 37 Line 11) | | 171,079,326 | 27,787,302.11 | 0.1624 | 8,061 | 8,090 |

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 derived 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 EXPENSES | | |
| 2 | STEAM POWER GENERATION | | |
| 3 | Operation: | | |
| 4 | 500 Operation supervision and engineering | | |
| 5 | 501 Fuel | | |
| 6 | 502 Steam expenses | | |
| 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 | None | |
| 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 | None | |
| 20 | Total power production expenses-steam power | None | |
| 21 | NUCLEAR POWER GENERATION | | |
| 22 | Operation: | | |
| 23 | 517 Operation supervision and engineering | | |
| 24 | 518 Fuel | | |
| 25 | 519 Coolants and water | | |
| 26 | 520 Steam expenses | | |
| 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 | None | |
| 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 | None | |
| 40 | Total power production expenses-nuclear power | None | |
| 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 | None | |

(continued on page 40)

Annual Report of the Town of Concord Municipal Light Plant

Year ended December 31, 2012

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 | | |
| 7 | 545 Maintenance of misc. hydraulic plant | | |
| 8 | Total maintenance | None | |
| 9 | Total power production exp.-hydraulic power | None | |
| 10 | OTHER POWER GENERATION | | |
| 11 | Operation | | |
| 12 | 546 Operation supervision and engineering | | |
| 13 | 547 Fuel | | |
| 14 | 548 Generation Expenses | | |
| 15 | 549 Misc. other power generation expense | | |
| 16 | 550 Rents | | |
| 17 | Total Operation | None | |
| 18 | Maintenance: | | |
| 19 | 551 Maintenance supervision and engineering | | |
| 20 | 552 Maintenance of Structures | | |
| 21 | 553 Maintenance of generating and electric plant | | |
| 22 | 554 Maintenance of misc. other power generation plant | | |
| 23 | Total Maintenance | None | |
| 24 | Total power production exp.-other power | None | |
| 25 | OTHER POWER SUPPLY EXPENSES | | |
| 26 | 555 Purchased power | 18,086,888.72 | 347,264.09 |
| 27 | 556 System control and load dispatching | 0.00 | 0.00 |
| 28 | 557 Other expenses | 2,798,051.17 | 242,253.61 |
| 29 | Total other power supply expenses | 20,884,939.89 | 589,517.70 |
| 30 | Total power production expenses | 20,884,939.89 | 589,517.70 |
| 31 | TRANSMISSION EXPENSES | | |
| 32 | Operation: | | |
| 33 | 560 Operation supervision and engineering | | |
| 34 | 561 Load dispatching | 0.00 | 0.00 |
| 35 | 562 Station expenses | 4,264.51 | (2,174.66) |
| 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 | 4,264.51 | (2,174.66) |
| 42 | Maintenance: | | |
| 43 | 568 Maintenance supervision and engineering | | |
| 44 | 569 Maintenance of structures | | |
| 45 | 570 Maintenance of station equipment | 103,288.59 | 6,162.37 |
| 46 | 571 Maintenance of overhead lines | | |
| 47 | 572 Maintenance of underground lines | 0.00 | 0.00 |
| 48 | 573 Maintenance of misc. transmission plant | | |
| 49 | Total maintenance | 103,288.59 | 6,162.37 |
| 50 | Total transmission expenses | 107,553.10 | 3,987.71 |

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 & engineering | | |
| 4 | 581 Load dispatching | 110,583.86 | 26,102.63 |
| 5 | 582 Station expenses | 152.02 | (139.68) |
| 6 | 583 Overhead line expenses | 27,997.52 | 3,436.68 |
| 7 | 584 Underground line expenses | 26.25 | (2,148.70) |
| 8 | 585 Street light and signal system exp. | | |
| 9 | 586 Meter expenses | 83,217.18 | 29,425.56 |
| 10 | 587 Customer installations expenses | | |
| 12 | 589 Rents | 8,645.17 | 290.30 |
| 13 | Total operation | 230,622.00 | 56,966.79 |
| 14 | Maintenance: | | |
| 15 | 590 Supervision | 76,286.76 | (13,364.96) |
| 16 | 591 Maintenance of structures | 0.00 | 0.00 |
| 17 | 592 Maintenance of station equipment | 6,039.33 | 1,452.37 |
| 18 | 593 Maintenance of overhead lines | 261,071.22 | 63,411.87 |
| 19 | 594 Maintenance of underground lines | 73,465.75 | (29,403.60) |
| 20 | 595 Maintenance of line transformers | 309.27 | (8,273.81) |
| 21 | 596 Maintenance of street light & signal sys. | 18,498.92 | 7,167.84 |
| 22 | 597 Maintenance of meters | 0.00 | 0.00 |
| 23 | 598 Maintenance of misc. distribution plant | 2,468.93 | (8,388.67) |
| 24 | Total maintenance | 438,140.18 | 12,601.04 |
| 25 | Total distribution expenses | 668,762.18 | 69,567.83 |
| 26 | CUSTOMER ACCOUNTS EXPENSES | | |
| 27 | Operation: | | |
| 28 | 901 Supervision | 5,340.19 | 3.51 |
| 29 | 902 Meter reading expenses | 2,036.40 | (764.80) |
| 30 | 903 Customer records & collection expenses | 165,714.32 | 21,755.23 |
| 31 | 904 Uncollectable accounts | 39,377.75 | 27,352.70 |
| 32 | 906 Customer service & Information | 30,781.54 | (4,452.86) |
| | 908 Consumer education | 33,336.09 | (30,383.03) |
| | 909 Info & instructional services | 249,623.34 | 47,165.66 |
| | 910 Miscellaneous customer service | 100.00 | (11,150.01) |
| 33 | Total customer accounts expenses | 526,309.63 | 49,526.40 |
| 34 | SALES EXPENSES | | |
| 35 | Operation: | | |
| 36 | 911 Supervision | | |
| 37 | 912 Demonstrating and selling expenses | | |
| 38 | 913 Advertising expenses | | |
| 39 | 916 Miscellaneous sales expenses | | |
| 40 | Total sales expenses | 0.00 | 0.00 |
| 41 | ADMINISTRATIVE AND GENERAL EXPENSES | | |
| 42 | Operation: | | |
| 43 | 920 Administrative and general salaries | 1,258,176.66 | 63,150.00 |
| 44 | 921 Office supplies and expenses | 64,270.93 | (1,657.90) |
| 46 | 923 Outside services employed | 177,520.19 | (95,230.33) |
| 47 | 924 Property insurance | 44,717.50 | (244.75) |
| 48 | 925 Injuries and damages | 19,513.04 | 3,036.70 |
| 49 | 926 Employee pensions and benefits | 1,142,012.53 | 75,745.18 |
| 50 | 928 Regulatory commission expenses | | |
| 51 | 929 Duplicate charges - Cr | | |
| 52 | 930 Miscellaneous general expenses & 934 | 73,341.90 | 35,320.26 |
| 53 | 931 Rents | 31,004.75 | (1,709.00) |
| 54 | Total operation | 2,810,557.50 | 78,410.16 |

ELECTRIC OPERATION AND MAINTENANCE EXPENSES-Continued

| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) |
|----------|---|---------------------|--|
| 1 | ADMINISTRATIVE & GENERAL EXPENSES-Continued | | |
| 2 | Maintenance: | | |
| 3 | 932 Maintenance of general plant | 180,387.13 | (6,158.20) |
| 4 | 933 Transportation expense | (43,664.72) | 1,790.51 |
| 5 | Total Maintenance | 136,722.41 | (4,367.69) |
| 6 | Total admin. and general expenses | 2,947,279.91 | 74,042.47 |
| 7 | Total Electric Operation & Maintenance Expenses | 25,134,844.71 | 786,642.11 |

SUMMARY OF 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 | 20,884,939.89 | | 20,884,939.89 |
| 15 | Total Power Production Expenses | 20,884,939.89 | | 20,884,939.89 |
| 16 | Transmission Expenses | 4,264.51 | 103,288.59 | 107,553.10 |
| 17 | Distribution Expenses | 230,622.00 | 438,140.18 | 668,762.18 |
| 18 | Customer Accounts Expenses | 526,309.63 | | 526,309.63 |
| 19 | Sales Expenses | 0.00 | | 0.00 |
| 20 | Administrative and General Expenses | 2,810,557.50 | 136,722.41 | 2,947,279.91 |
| 21 | Power Production Expenses | | | |
| 22 | Total Electric Operation and Maintenance Expenses | 24,456,693.53 | 678,151.18 | 25,134,844.71 |

| | | |
|----|---|----------------|
| 23 | Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42, Line 22(d), Depreciation (Acct 403) and Amortization (Acct 407)..... | 93.92% |
| 24 | Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts..... | \$2,535,585.52 |
| 25 | Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)..... | 33 |

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column

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

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

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

| Line No. | Item (a) | Electric Department (b) | Gas Department (c) | Other Utility Department (d) | Total (e) |
|----------|--|-------------------------|--------------------|------------------------------|--------------|
| 1 | Revenues: | | | | |
| 2 | Merchandise sales, less discounts, | | | | |
| 3 | allowances and returns..... | | | | |
| 4 | Contract work..... | 272,007.02 | | | 272,007.02 |
| 5 | Commissions..... | | | | |
| 6 | Other(list according to major classes) | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | Total Revenues | \$272,007.02 | \$0.00 | \$0.00 | \$272,007.02 |
| 11 | | | | | |
| 12 | | | | | |
| 13 | Costs and Expenses: | | | | |
| 14 | Cost of sales (list according to major | | | | |
| 15 | classes of cost)..... | | | | |
| 16 | | | | | |
| 17 | Labor | 67,327.57 | | | 67,327.57 |
| 18 | Transportation | 34,276.38 | | | 34,276.38 |
| 19 | Materials | 31,714.31 | | | 31,714.31 |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | Sales Expenses..... | | | | |
| 27 | Customer accounts expenses..... | | | | |
| 28 | Administrative and general expenses..... | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |
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| 48 | | | | | |
| 49 | | | | | |
| 50 | TOTAL COSTS AND EXPENSES | \$133,318.26 | \$0.00 | \$0.00 | \$133,318.26 |
| 51 | Net Profit (or loss) | \$138,688.76 | \$0.00 | \$0.00 | \$138,688.76 |

SALES FOR RESALE (Account 447)

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

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Non-associated 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 invoices 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 Classification | Export Across State Lines | Point of Delivery | Sub-station | Kw or Kva of Demand (Specify Which) | | |
|----------|----------|----------------------------|---------------------------|-------------------|-------------|-------------------------------------|--------------------------------|-----------------------|
| | | | | | | Contract Demand | Average Monthly Maximum Demand | Annual Maximum Demand |
| | | | | | | (a) | (b) | (c) |
| 1 | NONE | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
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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 amount entered in column (n) such as fuel or other adjustments.

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

| Type of Demand Reading (i) | Voltage at Which Delivered (j) | Kilowatt-hours (k) | Revenue (Omit Cents) | | | | Revenue per Kwh (cents) [0.0000] (p) | Line No. |
|-------------------------------|-----------------------------------|-----------------------|-----------------------|-----------------------|----------------------|--------------|--|----------|
| | | | Demand Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | | |
| NONE | | | | | | | | 1 |
| | | | | | | | | 2 |
| | | | | | | | | 3 |
| | | | | | | | | 4 |
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| | | | | | | | | 33 |
| | | | | | | | | 34 |
| TOTALS | | 0 | \$0 | \$0 | \$0 | \$0 | 0.0000 | 35 |

PURCHASED POWER (Account 555) - Continued

(except interchange power)

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

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

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

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

| Type of Demand Reading (i) | Voltage at Which Delivered (j) | Kilowatt-hours (k) | Cost of Energy (Omit Cents) | | | | Cents per KWH (cents) [0.0000] (p) | Line No. |
|-------------------------------|-----------------------------------|-----------------------|-----------------------------|-----------------------|----------------------|---------------------|---------------------------------------|-----------|
| | | | Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | | |
| | | | | | | | | 1 |
| | | | | | | | | 2 |
| 60 minute | 13.8K | 147,755,508 | \$12,951,622 | \$0 | \$0 | \$12,951,622 | 8.7656 | 3 |
| 60 minute | 13.8K | 6,715,218 | 106,450 | 0 | 0 | 106,450 | 1.5852 | 4 |
| 60 minute | 13.8K | 2,388,139 | 1,309,149 | 0 | 0 | 1,309,149 | 54.8188 | 5 |
| 60 minute | 13.8K | 5,548,889 | 352,672 | 0 | 0 | 352,672 | 6.3557 | 6 |
| 60 minute | 13.8K | 7,402,987 | 455,477 | 0 | 0 | 455,477 | 6.1526 | 7 |
| 60 minute | 13.8K | 5,213,820 | 342,950 | 0 | 0 | 342,950 | 6.5777 | 8 |
| | | | | | | | | 9 |
| | | | | | | | | 10 |
| | | | | | | | | 11 |
| | | | | | | | | 12 |
| 60 minute | 13.8K | 63,968 | 2,733 | 0 | 0 | 2,733 | 4.2722 | 13 |
| | | | | | | | | 14 |
| | | | | | | | | 15 |
| | | | | | | | | 16 |
| 60 minute | 13.8K | 5,420,860 | 1,527,742 | 0 | 0 | 1,527,742 | 28.1827 | 17 |
| | | | | | | | | 18 |
| | | | | | | | | 19 |
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| | | | | | | | | 37 |
| | | | | | | | | 38 |
| | | | | | | | | 39 |
| | | | | | | | | 40 |
| TOTALS | | 180,509,389 | \$17,048,795 | \$0 | \$0 | \$17,048,795 | 9.4448 | 41 |

INTERCHANGE POWER (Included in Account 555)

1. Report below the Kilowatt-hours received and delivered during the year and the net change or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Non-associated Utilities, (3) Associated Non-utilities, (4) Other Non-utilities, (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 (a) | Interchange Across State Lines (b) | Point of Interchange (c) | Voltage at Which Interchanged (d) | Kilowatt-hours | | | Amount of Settlement (h) |
|----------|---------------------|------------------------------------|--------------------------|-----------------------------------|----------------|---------------|--------------------|--------------------------|
| | | | | | Received (e) | Delivered (f) | Net Difference (g) | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | TOTALS | 0 | 0 | 0 | 0 |

B. Details of Settlement for Interchange Power

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

ELECTRIC ENERGY ACCOUNT

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

| Line No. | Item (a) | Kilowatt-hours (b) |
|------------------------------|--|--------------------|
| SOURCES OF ENERGY | | |
| 2 | Generation (excluding station use): | |
| 3 | Steam..... Gas Turbine Combined Cycle | |
| 4 | Nuclear..... | |
| 5 | Hydro..... | |
| 6 | Other..... Diesel | |
| 7 | Total generation..... | |
| 8 | Purchases..... | 180,509,389 |
| 9 | { In (gross)..... | |
| 10 | Interchanges..... { Out (gross)..... | |
| 11 | { Net (Kwh)..... | |
| 12 | { Received..... | |
| 13 | Transmission for/by others (wh..... {Delivered..... | |
| 14 | { Net (kwh)..... | |
| 15 | TOTAL | 180,509,389 |
| DISPOSITION OF ENERGY | | |
| 17 | Sales to ultimate consumers (including interdepartmental sales)..... | 171,079,326 |
| 18 | Sales for resale..... | |
| 19 | Energy furnished with out charge..... | |
| 20 | Energy used by the company (excluding station use)..... | 677,823 |
| 21 | Electric department only..... | 677,823 |
| 22 | Energy losses: | |
| 23 | Transmission and conversion losses..... | |
| 24 | Distribution losses..... | 8,752,240 |
| 25 | Unaccounted for losses..... | |
| 26 | Total energy losses..... | 8,752,240 |
| 27 | Energy losses as percent of total on line 15..... 4.85% | |
| 28 | TOTAL | 180,509,389 |

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 by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 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 transmission 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 | 29,851 | Tuesday | 3 | 7pm-8pm | 60 Minute Int. | 16,452,670 | |
| 30 | February | 27,309 | Wednesday | 12 | 7pm-8pm | 60 Minute Int. | 14,499,714 | |
| 31 | March | 27,792 | Thursday | 1 | 7pm-8pm | 60 Minute Int. | 14,207,826 | |
| 32 | April | 24,624 | Tuesday | 17 | 4pm-5pm | 60 Minute Int. | 12,892,667 | |
| 33 | May | 28,757 | Thursday | 31 | 4pm-5pm | 60 Minute Int. | 14,151,092 | |
| 34 | June | 40,701 | Thursday | 21 | 4pm-5pm | 60 Minute Int. | 15,007,180 | |
| 35 | July | 40,860 | Wednesday | 18 | 2pm-3pm | 60 Minute Int. | 17,993,051 | |
| 36 | August | 37,836 | Friday | 3 | 4pm-5pm | 60 Minute Int. | 17,661,761 | |
| 37 | September | 32,242 | Friday | 7 | 5pm-6pm | 60 Minute Int. | 14,167,332 | |
| 38 | October | 23,501 | Wednesday | 3 | 7pm-8pm | 60 Minute Int. | 13,415,155 | |
| 39 | November | 27,081 | Wednesday | 7 | 6pm-7pm | 60 Minute Int. | 14,223,040 | |
| 40 | December | 28,733 | Monday | 17 | 6pm-7pm | 60 Minute Int. | 15,837,901 | |
| 41 | TOTAL | | | | | | | 180,509,389 |

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

- | | |
|---|--|
| <p>1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Hw* 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.)</p> <p>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.</p> <p>3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.</p> | <p>4. If peak demand for 60 minutes is not available, give that which is available, specifying period.</p> <p>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.</p> <p>6. If gas is used and purchased on a term basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.</p> <p>7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501and</p> |
|---|--|

| Line No. | Item (a) | Plant (b) | Plant (c) | Plant (d) |
|----------|---|-------------|-----------|-----------|
| 1 | Kind of plant (steam, hydro, int. com., gas turbine) | NONE | | |
| 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 | | | |
| 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 | | | |
| 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. |
|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| NONE | | | | | | 1 |
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STEAM GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year.
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Non-utility 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 ownership 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 | NONE | | | | | | |
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STEAM GENERATING STATIONS - Continued

expenses or revenues, and how expenses and/or revenues 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 and term of lease and annual rent and how determined. Specify 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 | | Hydrogen Pressure** | | Power Factor (p) | Voltage K.v.++ (q) | Station Capacity Maximum Name Plate Rating*+ (r) | Line No. |
|-----------------------|-------------|--|---------------|-------------------------------------|-------------------------------------|---------------------|-------------|---------------------|-----------------------|---|----------|
| | | | | At Minimum Hydrogen Pressure (l) | At Maximum Hydrogen Pressure (m) | Min. (n) | Max. (o) | | | | |
| | | | | NONE | | | | | | | |

Note Reference:

- *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 non-condensing (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 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, Non-utility 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

| 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 | 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-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues 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 and term of lease and annual rent and how determined.

Specify 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.

| Water Wheels - Continued | | | Generators | | | | | | Total Installed Generating Capacity in Kilowatts (name plate ratings) (q) | Line No. |
|--------------------------|------------|---|--------------------|-------------|-----------|-----------------------|--|--------------------------------|---|----------|
| Design Head (h) | R.P.M. (i) | Maximum hp. Capacity of Unit at Design Head (j) | Year Installed (k) | Voltage (l) | Phase (m) | Frequency or d.c. (n) | Name Plate Rating of Unit in Station (o) | Number of Units in Station (p) | | |
| NONE | | | | | | | | | | 1 |
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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, Non-utility 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 | NONE | | | | | | |
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COMBUSTION ENGINE AND OTHER GENERATING STATIONS - Continued
(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues 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 and term of lease and annual rent and how determined.

Specify 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.

| Prime Movers - Continued | | | Generators | | | | | Total Installed Generating Capacity in Kilowatts (name plate ratings) (p) | Line No. |
|--------------------------|---|--------------------|-------------|-----------|-----------------------|--|--------------------------------|---|----------|
| Rated hp. of unit (h) | Total Rated hp. of station Prime Movers (i) | Year Installed (j) | Voltage (k) | Phase (l) | Frequency or d.c. (m) | Name Plate Rating of Unit in Kilowatts (n) | Number of Units in Station (o) | | |
| NONE | | | | | | | | | 1 |
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| TOTALS | | | | | | | | | 39 |

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* 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. Designate any plant leased from others, operated under a license from the Federal Power Commission, or operated as a joint facility, and give a concise statement of the facts in a footnote.
 3. List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.
 4. Specify if total plant capacity is reported in kva instead of kilowatts.
 5. If peak demand for 60 minutes is not available, give that which is available, specifying period.
 6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

| Line No. | Name of Plant (a) | Year Const. (b) | Installed Capacity Name Plate Rating - KW (c) | Peak Demand KW (60 Min.) (d) | Net Generation Excluding Station Use (e) | Cost of Plant (Omit Cents) (f) | Plant Cost Per KW Inst. Capacity (g) | Production Expenses Exclusive of Depreciation and Taxes (Omit Cents) | | | Kind of Fuel (k) | Fuel Cost Per KWH Net Generation (Cents) 0.00 (l) |
|---------------|-------------------|-----------------|---|------------------------------|--|--------------------------------|--------------------------------------|--|----------|-----------|------------------|---|
| | | | | | | | | Labor (h) | Fuel (i) | Other (l) | | |
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| TOTALS | | | | | | | | | | | | |

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

| Line No. | Designation | | Operating Voltage (c) | Type of Supporting Structure (d) | Length (Pole Miles) | | Number of Circuits (g) | Size of Conductor and Material (h) |
|----------|-------------|--------|-----------------------|----------------------------------|--------------------------------------|-----------------------------------|------------------------|------------------------------------|
| | From (a) | To (b) | | | On Structures of Line Designated (e) | On Structures of Another Line (f) | | |
| 1 | NONE | | | | | | | |
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| 47 | | TOTALS | | | | | | |

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

Annual Report of the Town of Concord Municipal Light Plant

Year ended December 31, 2012

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 sub-station, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by

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

VOLTAGE

Conversion Apparatus and Special Equipment

| Line No. | Name and Location of Substation (a) | Character of Substation (b) | VOLTAGE | | | Capacity of Substation (In Kva (f)) | Number of Transformers in Service (g) | Number of spare Transformers (h) | Type of Equipment (i) | Number of Units (j) | Total Capacity (k) |
|---------------|-------------------------------------|-------------------------------|-------------|---------------|--------------|-------------------------------------|---------------------------------------|----------------------------------|-----------------------|---------------------|--------------------|
| | | | Primary (c) | Secondary (d) | Tertiary (e) | | | | | | |
| 1 | Station #479 Williams Rd. | Dist-Unattended | 13.8 | 4.16 | | 10,000 | 2 | | | | |
| 2 | Station #223 Main St. | Dist-Unattended | 13.8 | 13.8 | | | 0 | | | | |
| 3 | Station #219 Forest Ridge | Dist. & Sub-trans.-Unattended | 115 | 13.8 | | 100,000 | 2 | | | | |
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| 32 | | | | | | | | | | | |
| TOTALS | | | | | | 110,000 | 4 | | | | |

OVERHEAD DISTRIBUTION LINES OPERATED

| Line No. | | Length (Pole Miles) | | |
|----------|--------------------------|---------------------|--------------|--------|
| | | Wood Poles | Steel Towers | TOTAL |
| 1 | Miles- Beginning of Year | 108.09 | | 108.09 |
| 2 | Added During Year | | | 0.00 |
| 3 | Retired During Year | 0.38 | | 0.38 |
| 4 | Miles-End of Year | 107.71 | | 107.71 |
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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..... | 7,861 | 10,237 | 2,298 | 155,608 |
| 17 | Additions during year: | | | | |
| 18 | Purchased..... | | 628 | 60 | 2,533 |
| 19 | Installed..... | 245 | | | |
| 20 | Associated with utility plant acquired.... | | | | |
| 21 | Total Additions..... | 245 | 628 | 60 | 2,533 |
| 22 | Reductions during year: | | | | |
| 23 | Retirements..... | 17 | 17 | | |
| 24 | Associated with utility plant sold..... | | | | |
| 25 | Total Reductions..... | 17 | 17 | 0 | 0 |
| 26 | Number at End of Year..... | 8,089 | 10,848 | 2,358 | 158,141 |
| 27 | In stock..... | | 2,562 | 379 | 26,201 |
| 28 | Locked meters on customers' premises..... | | | | |
| 29 | Inactive transformers on system..... | | | | |
| 30 | In customers' use..... | | 8,263 | 1,962 | 130,870 |
| 31 | In company's use..... | | 23 | 17 | 1,070 |
| 32 | Number at End of Year..... | | 10,848 | 2,358 | 158,141 |

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

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

| Line No. | Designation of Underground Distribution System (a) | Miles of Conduit Bank (All Sizes and Types) (b) | Underground Cable | | | Submarine Cable | | |
|----------|--|---|-------------------|-----------------------|----------|-----------------------|--|-------------------|
| | | | Miles (C) | Operating Voltage (d) | Feet (e) | Operating Voltage (f) | | |
| 1 | Center of Concord | 1.110 | 1.400 | 1PHASE 7970/13800 | | | | |
| 2 | | | 5.540 | 3PHASE 7970/13800 | | | | |
| 3 | Sub-transmission | 8.600 | 34.400 | 3PHASE 7970/13800 | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | Distribution Circuits | 15.040 | 39.810 | 3PHASE 7970/13800 | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | Various URD Developments | 7.330 | 12.130 | 1PHASE 2400/4160 | | | | |
| 10 | | | | 4.600 | | | | 3PHASE 2400/4160 |
| 11 | | | | 47.210 | | | | 1PHASE 7970/13800 |
| 12 | | | | 12.680 | | | | 3PHASE 7970/13800 |
| 13 | West Concord Business Area | 0.650 | 0.632 | 1PHASE 7970/13800 | | | | |
| 14 | | | | 4.037 | | | | 3PHASE 7970/13800 |
| 15 | Route 2 Crossing at Route 62 | 0.942 | 1.714 | 3PHASE 7970/13800 | | | | |
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| 24 | TOTALS | 52.902 | 164.153 | | | | | |
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STREET LAMPS CONNECTED TO SYSTEM

| Line No. | City or Town (a) | Total (b) | TYPE | | | | | | | |
|----------|---------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|--------------------|--------------|
| | | | Incandescent | | Mercury Vapor | | Fluorescent | | High Press. Sodium | |
| | | | Municipal (c) | Other (d) | Municipal (e) | Other (f) | Municipal (g) | Other (h) | Municipal (i) | Other (j) |
| 1 | CONCORD | 1364 | 0 | | 29 | | 0 | | 1,335 | |
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| 51 | | | | | | | | | | |
| 52 | TOTALS | 1364 | 0 | 0 | 29 | 0 | 0 | 0 | 1335 | 0 |

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 | Decreases |
| | | NONE | | |

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Christopher White

Town Manager

Paul J. Wood

Director

Kusick

Members
of the
Municipal
Light
Board

Judith Walpole

Hugh C. Leman

James B. Terry, Jr.