The Commonwealth of Massachusetts

# RETURN

OF THE

# MUNICIPAL LIGHTING PLANTS OF

THE TOWN OF

# RUSSELL

TO THE

# DEPARTMENT OF TELECOMMUNICATION AND ENERGY

OF MASSACHUSETTS

RECEIVED
MASS. DEPT. OF
PUBLIC UTILITIES
2013 APR 25 PM 12:22

**For the Year Ended December 31,**

# 2012

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

Official Title: **Alan Robinson**
RMLD Manager

Office Address: **200 Main Street**
**Russell, MA 01071**

Form Ac19

RECEIVED
RATES AND REVENUE
DIVISION
MAY 9 2013
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

## TABLE OF CONTENTS


| | |
|---|---|
| General Information | 3 |
| Schedule of Estimates | 4 |
| Customers in each City or Town | 4 |
| Appropriations Since Beginning of Year | 5 |
| Changes in the Property | 5 |
| Bonds | 6 |
| Town Notes | 7 |
| Cost of Plant | 8-9 |
| Comparative Balance Sheet | 10-11 |
| Income Statement | 12-13 |
| Earned Surplus | 12 |
| Cash Balances | 14 |
| Materials and Supplies | 14 |
| Depreciation Fund Account | 14 |
| Utility Plant - Electric | 15-17 |
| Production of Fuel and Oil Stocks | 18 |
| Miscellaneous Non-operating Income | 21 |
| Other Income Deductions | 21 |
| Miscellaneous Credits to Surplus | 21 |
| Miscellaneous Debits to Surplus | 21 |
| Appropriations of Surplus | 21 |
| Municipal Revenues | 22 |
| Purchased Power | 22 |
| Sales for Resale | 22 |
| Electric Operating Revenues | 37 |
| Sales of Electricity to Ultimate Consumers | 38 |
| Electric Operation and Maintenance Expenses | 39-42 |
| Taxes Charged During Year | 49 |
| Other Utility Operating Income | 50 |
| Income from Merchandising, Jobbing and Contract Work | 51 |
| Electric Energy Account | 57 |
| Monthly Peaks and Output | 57 |
| Generating Station Statistics | 58-59 |
| Steam Generating Stations | 60-61 |
| Hydroelectric Generating Stations | 62-63 |
| Combustion Engine and Other Generating Stations | 64-65 |
| Generating Statistics (Small Stations) | 66 |
| Transmission Line Statistics | 67 |
| Substations | 68 |
| Overhead Distribution Lines Operated | 69 |
| Electric Distribution Services, Meters and Line Transformers | 69 |
| Conduit, Underground Cable and Submarine Cable | 70 |
| Street Lamps | 71 |
| Rate Schedule Information | 79 |
| Signature Page | 81 |

**FOR GAS PLANTS ONLY:**

| | Page | | Page |
|---|---|---|---|
| Utility Plant - Gas | 19-20 | Gas Generating Plant | 74 |
| Gas Operating Revenues | 43 | Boilers | 75 |
| Sales of Gas to Ultimate Consumers | 44 | Scrubbers, Condensers and Exhausters | 75 |
| Gas Operation & Maintenance Expenses | 45-47 | Purifiers | 76 |
| Purchased Gas | 48 | Holders | 76 |
| Sales for Resale | 48 | Transmission and Distribution Mains | 77 |
| Sales of Residuals | 48 | Gas Distribution Services, House Governors and Meters | 78 |
| Record of Sendout for the Year in MCF | 72-73 | | |


PAGES INTENTIONALLY OMITTED: 23 TO 36

# GENERAL INFORMATION

1. Name of town (or city) making report. RUSSELL

2. If the town (or city) has acquired a plant,
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, 1922

3. Name and address of manager of municipal lighting:

| | | |
|---|---|---|
| Alan Robinson | 336 New Ludlow Road | Chicopee, MA 01020 |

4. Name and address of mayor or selectmen:

| | | |
|---|---|---|
| Pandora Hague | General Knox Road | Russell, MA 01071 |
| Jason Boyer | Birch Hill Road | Russell, MA 01071 |
| Keith Cortis | Blandford Road | Russell, MA 01071 |

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

| | | |
|---|---|---|
| Susan B. Maxwell | Blandford Stage Road | Russell, MA 01071 |

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

| | | |
|---|---|---|
| Virginia Hardie | Rocky Brook Drive | Russell, MA 01071 |

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

| | | |
|---|---|---|
| Daniel LaBombard | Shattuck Road | Russell, MA 01071 |
| Carol Lucardi | Westwood Drive | Russell, MA 01071 |
| Edward Stewart | Pine Hill Road | Russell, MA 01071 |

8. Total valuation of estates in town (or city) according to last State valuation (taxable) $136,756,044

9. Tax rate for all purposes during the year:

| | |
|---|---|
| Residential | $18.40 |
| Open Space | |
| Commercial/Industrial/Personal Property | $18.40 |

10. Amount of manager's salary: $66,560

11. Amount of Manager's bond: $500

12. Amount of salary paid to members of municipal light board (each): $700

## 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..... | |
| 2 | FROM SALE OF ELECTRICITY ..... | |
| 3 | FROM RATE STABILIZATION FUND..... | |
| 4 | **TOTAL** | **$0.00** |
| 5 | **Expenses:** | |
| 6 | For operation, maintenance and repairs..... | |
| 7 | For interest on bonds, notes or scrip..... | |
| 8 | For depreciation fund ( 3% on $ 896,505.76 as per page 8B )..... | $26,895.18 |
| 9 | For sinking fund requirements..... | |
| 10 | For note payments..... | |
| 11 | For bond payments..... | |
| 12 | For loss in preceding year..... | |
| 13 | **TOTAL** | **$26,895.18** |
| 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..... | |
| 19 | Of electricity to be used for street lights..... | |
| .0 | Total of the above items to be included in the tax levy..... | $0.00 |
| 21 | | |
| 22 | New construction to be included in the tax levy..... | |
| 23 | Total amounts to be included in the tax levy..... | |

## 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. |
| | | Russell | 470 |
| | | **TOTAL** | **470** |

## 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 | $100.00 | | | | | $100.00 |
| 3 | 361 Structures and Improvements | | | | | | |
| 4 | 362 Station Equipment | $31,000.00 | | | | | $31,000.00 |
| 5 | 363 Storage Battery Equipment | | | | | | |
| 6 | 364 Poles, Towers and Fixtures | $54,584.46 | $11,901.75 | ($2,192.50) | | | $64,293.71 |
| 7 | 365 Overhead Conductors and Devices | $93,485.00 | $4,625.00 | ($4,525.00) | | | $93,585.00 |
| 8 | 366 Underground Conduits | | | | | | |
| 9 | 367 Underground Conductors & Devices | | | | | | |
| 10 | 368 Line Transformers | $196,289.42 | $53,610.34 | ($6,203.09) | | | $243,696.67 |
| 11 | 369 Services | $51,198.00 | | | | | $51,198.00 |
| 12 | 370 Meters | $32,737.76 | $5,605.40 | | | | $38,343.16 |
| 13 | 371 Installation on Cust's Premises | | | | | | |
| 14 | 372 Leased Prop. on Cust's Premises | | | | | | |
| 15 | 373 Street Light and Signal Systems | $28,470.00 | | | | | $28,470.00 |
| 16 | Total Distribution Plant | **$487,864.64** | **$75,742.49** | **($12,920.59)** | **$0.00** | **$0.00** | **$550,686.54** |
| 17 | **5. GENERAL PLANT** | | | | | | |
| 18 | 389 Land and Land rights | | | | | | |
| 19 | 390 Structures and Improvements | | | | | | |
| 20 | 391 Office Furniture and Equipment | $9,148.68 | | | | | $9,148.68 |
| 21 | 392 Transportation Equipment | $293,849.28 | | | | | $293,849.28 |
| 22 | 393 Stores Equipment | | | | | | |
| 23 | 394 Tools, Shop and Garage Equipment | $13,752.66 | | | | | $13,752.66 |
| 24 | 395 Laboratory Equipment | | | | | | |
| 25 | 396 Power Operated Equipment | $35,318.60 | | ($6,250.00) | | | $29,068.60 |
| 26 | 397 Communication Equipment | | | | | | |
| 27 | 398 Miscellaneous Equipment | | | | | | |
| 28 | 399 Other Tangible Property | | | | | | |
| 29 | Total General Plant | **$352,069.22** | **$0.00** | **($6,250.00)** | **$0.00** | **$0.00** | **$345,819.22** |
| 30 | Total Electric Plant in Service | **$839,933.86** | **$75,742.49** | **($19,170.59)** | **$0.00** | **$0.00** | **$896,505.76** |
| 31 | | | | | | | |
| 32 | | | | **TOTAL COST OF PLANT.....** | | | **$896,505.76** |
| 33 | | | | Less Cost of Land, Land Rights, and Rights of Way | | | **$100.00** |
| 34 | | | | Total Cost upon which depreciation is based | | | **$896,405.76** |

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.

## 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..... | $472,460.70 | $515,322.65 | $42,861.95 |
| 3 | 101 Utility Plant- Gas | | | |
| 4 | 123 Investment in Associated Companies..... | | | |
| 5 | **Total Utility Plant.....** | **$472,460.70** | **$515,322.65** | **$42,861.95** |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | **FUND ACCOUNTS** | | | |
| 12 | 125 Sinking Funds..... | | | |
| 13 | 126 Depreciation Fund (P. 14)..... | ($240,768.24) | ($283,630.19) | ($42,861.95) |
| 14 | 128 Other Special Funds..... | | | |
| 15 | **Total Funds.....** | **($240,768.24)** | **($283,630.19)** | **($42,861.95)** |
| 16 | **CURRENT AND ACCRUED ASSETS** | | | |
| 17 | 131 Cash (P. 14)..... | $475,814.68 | $484,981.60 | $9,166.92 |
| 18 | 132 Special Deposits..... | | | |
| 19 | 132 Working Funds..... | | | |
| 20 | 141 Notes and Receivables..... | | | |
| 21 | 142 Customer Accounts Receivable..... | $103,236.19 | $113,742.01 | $10,505.82 |
| 22 | 143 Other Accounts Receivable..... | $51,730.30 | $0.00 | ($51,730.30) |
| 23 | 146 Receivables from Municipality..... | | | |
| 24 | 151 Materials and Supplies (P. 14)..... | $123,738.50 | $128,897.98 | $5,159.48 |
| 25 | | | | |
| 26 | 165 Prepayments..... | | | |
| 27 | 174 Miscellaneous Current Assets | | | |
| 28 | **Total Current and Accrued Assets...** | **$754,519.67** | **$727,621.59** | **($26,898.08)** |
| 29 | **DEFERRED DEBITS** | | | |
| 30 | 181 Unamortized Debt Discount..... | | | |
| 31 | 182 Extraordinary Property Debits..... | | | |
| 32 | 185 Other Deferred Debits..... | ($11,700.00) | ($10,800.52) | $899.48 |
| 33 | **Total Deferred Debits.....** | **($11,700.00)** | **($10,800.52)** | **$899.48** |
| 34 | | | | |
| 35 | **Total Assets and Other Debits.....** | **$974,512.13** | **$948,513.53** | **($25,998.60)** |

Annual Report of

Year endedDecember 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..... | | | |
| 5 | 206 Loans Repayment..... | | | |
| 6 | 207 Appropriations for Construction Repayment.. | | | |
| 7 | 208 Unappropriated Earned Surplus (P. 12)..... | $1,085,528.08 | $1,093,641.94 | $8,113.86 |
| 8 | **Total Surplus.....** | **$1,085,528.08** | **$1,093,641.94** | **$8,113.86** |
| 9 | **LONG TERM DEBT** | | | |
| 10 | 221 Bonds (P. 6)..... | | | |
| 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..... | $74,166.26 | $49,091.41 | ($25,074.85) |
| 15 | 234 Payables to Municipality..... | | | |
| 16 | 235 Customer Deposits..... | $9,000.00 | $9,600.00 | $600.00 |
| 17 | 236 Taxes Accrued..... | | | |
| 18 | 237 Interest Accrued..... | | | |
| 19 | 242 Miscellaneous Current and Accrued Liabilities | $4,428.03 | $15,868.37 | $11,440.34 |
| 20 | **Total Current and Accrued Liabilities...** | **$87,594.29** | **$74,559.78** | **($13,034.51)** |
| 21 | **DEFERRED CREDITS** | | | |
| 22 | 251 Unamortized Premium on Debt..... | | | |
| 23 | 252 Customer Advance for Construction..... | | | |
| 24 | 253 Other Deferred Credits..... | | | |
| 25 | **Total Deferred Credits** | **$0.00** | **$0.00** | **$0.00** |
| 26 | **RESERVES** | | | |
| 27 | 260 Reserves for Uncollectable Accounts..... | | | |
| 28 | 261 Property Insurance Reserve..... | | | |
| 29 | 262 Injuries and Damages Reserves..... | | | |
| 30 | 263 Pensions and Benefits..... | $42,158.00 | $63,942.00 | $21,784.00 |
| 31 | 265 Miscellaneous Operating Reserves..... | ($240,768.24) | ($283,630.19) | ($42,861.95) |
| 32 | **Total Reserves.....** | **($198,610.24)** | **($219,688.19)** | **($21,077.95)** |
| 33 | **CONTRIBUTIONS IN AID OF CONSTRUCTION** | | | |
| 34 | 271 Contributions in Aid of Construction..... | | | |
| 35 | **Total Liabilities and Other Credits** | **$974,512.13** | **$948,513.53** | **($25,998.60)** |

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.

Annual Report of | Year ended December 31 2012

## 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) | **$705,588.82** | **$13,881.23** |
| 3 | **Operating Expenses:** | | |
| 4 | 401 Operation Expense (P.42) | $631,554.25 | ($79,499.93) |
| 5 | 402 Maintenance Expense (P. 42) | $122,928.06 | $86,276.35 |
| 6 | 403 Depreciation Expense | $26,811.75 | $2,350.74 |
| 7 | 407 Amortization of Property Losses | | |
| 8 | | | |
| 9 | 408 Taxes (P. 48) | | |
| 10 | **Total Operating Expenses** | **$781,294.06** | **$9,127.16** |
| 11 | Operating Income | ($75,705.24) | $4,754.07 |
| 12 | 414 Other Utility Operating Income (P.50) | $40,353.59 | ($50,145.09) |
| 13 | | | |
| 14 | **Total Operating Income** | **($35,351.65)** | **($45,391.02)** |
| 15 | **OTHER INCOME** | | |
| 16 | 415 Income from Merchandising, Jobbing, and Contract Work (P. 51) | | |
| 17 | 419 Interest Income | $603.55 | ($103.80) |
| 18 | 421 Miscellaneous Income | | |
| 19 | **Total Other Income** | **$603.55** | **($103.80)** |
| 20 | **Total Income** | **($34,748.10)** | **($45,494.82)** |
| 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** | **($34,748.10)** | **($45,494.82)** |
| 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 | | |
| 31 | 432 Interest Charged to Construction-Credit | | |
| 32 | **Total Interest Charges** | **$0.00** | **$0.00** |
| 33 | **Net Income** | **($34,748.10)** | **($45,494.82)** |

## EARNED SURPLUS

| Line No. | (a) | Debits (b) | Credits (c) |
|---|---|---|---|
| 34 | Unappropriated Earned Surplus (at beginning of Period) | | **$1,085,528.08** |
| 35 | | | |
| 36 | | | |
| 37 | 433 Balance transferred from Income | | ($34,748.09) |
| 38 | 434 Miscellaneous Credits to Surplus | | |
| 39 | 435 Miscellaneous Debits to Surplus | | |
| 40 | 436 Appropriations of Surplus (P.21) | | $26,811.75 |
| 41 | 437 Surplus Applied to Depreciation | | $16,050.20 |
| 42 | 208 Unappropriated Earned Surplus (at end of period) | | $1,093,641.94 |
| 43 | | | |
| 44 | **TOTALS** | | |

## CASH BALANCES AT END OF YEAR (Account 131)

| Line No. | Items (a) | Amount (b) |
|---|---|---|
| 1 | Operation Fund | $484,981.60 |
| 2 | Interest Fund | |
| 3 | Bond Fund | |
| 4 | Construction Fund | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | TOTAL | $484,981.60 |

## 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) | $128,897.98 | |
| 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** | **$128,897.98** | |

## Depreciation Fund Account (Account 126)

| Line No. | (a) | Amount (b) |
|---|---|---|
| 24 | **DEBITS** | |
| 25 | Balance of Account at Beginning of Year | ($240,768.24) |
| 26 | Income During Year from Balance on Deposit | $26,892.17 |
| 27 | Amount Transferred from Income | $5,988.37 |
| 28 | TOTAL | ($207,887.70) |
| 29 | | |
| 30 | **CREDITS** | |
| 31 | Amount expended for Construction Purposes (Sec. 57C164 of G.L.) | ($75,742.49) |
| 32 | Amounts Expended for Renewals | |
| 33 | Adjustment | |
| 34 | | |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | Balance on Hand at End of Year | |
| 40 | TOTAL | ($283,630.19) |

## 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..... | $100.00 | | | | | $100.00 |
| 3 | 361 Structures and Improvements..... | | | | | | |
| 4 | 362 Station Equipment..... | $17,775.07 | | ($930.00) | | | $16,845.07 |
| 5 | 363 Storage Battery Equipment..... | | | | | | |
| 6 | 364 Poles and Fixtures..... | $27,653.30 | $11,901.75 | ($847.06) | | ($2,192.50) | $36,515.49 |
| 7 | 365 Overhead Conductors and Devices... | $22,138.34 | $4,625.00 | $645.88 | | ($4,525.00) | $22,884.22 |
| 8 | 366 Underground Conduits..... | | | | | | |
| 9 | 367 Underground Conductors and Devices | | | | | | |
| 10 | 368 Line Transformers..... | $110,066.82 | $53,610.34 | ($4,994.28) | | ($6,203.09) | $152,479.79 |
| 11 | 369 Services..... | $15,683.33 | | ($1,535.94) | | | $14,147.39 |
| 12 | 370 Meters..... | $23,786.82 | $5,605.40 | ($1,150.29) | | | $28,241.93 |
| 13 | 371 Installation on Cust's Premises.... | | | | | | |
| 14 | 372 Leased Prop. on Cust's Premises.... | | | | | | |
| 15 | 373 Street Light and Signal Systems..... | $13,318.10 | | ($854.10) | | | $12,464.00 |
| 16 | **Total Distribution Plant** | **$230,521.78** | **$75,742.49** | **($9,665.79)** | **$0.00** | **($12,920.59)** | **$283,677.89** |
| 17 | **5. GENERAL PLANT** | | | | | | |
| 18 | 389 Land and Land Rights..... | | | | | | |
| 19 | 390 Structures and Improvements..... | | | | | | |
| 20 | 391 Office Furniture and Equipment..... | $2,277.07 | | ($274.46) | | | $2,002.61 |
| 21 | 392 Transportation Equipment..... | $207,486.46 | | ($8,815.48) | | | $198,670.98 |
| 22 | 393 Stores Equipment..... | | | | | | |
| 23 | 394 Tools, Shop and Garage Equipment... | $8,838.33 | | ($412.58) | | | $8,425.75 |
| 24 | 395 Laboratory Equipment..... | | | | | | |
| 25 | 396 Power Operated Equipment..... | $23,337.06 | | $5,458.36 | | ($6,250.00) | $22,545.42 |
| 26 | 397 Communication Equipment..... | | | | | | |
| 27 | 398 Miscellaneous Equipment..... | | | | | | |
| 28 | 399 Other Tangible Property..... | | | | | | |
| 29 | **Total General Plant** | **$241,938.92** | **$0.00** | **($4,044.16)** | **$0.00** | **($6,250.00)** | **$231,644.76** |
| 30 | **Total Electric Plant in Service** | **$472,460.70** | **$75,742.49** | **($13,709.95)** | **$0.00** | **($19,170.59)** | **$515,322.65** |
| 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** | **$472,460.70** | **$75,742.49** | **($13,709.95)** | **$0.00** | **($19,170.59)** | **$515,322.65** |

## MISCELLANEOUS NON-OPERATING INCOME (Account 421)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 1 | Interest Income | $603.55 |
| 2 | | |
| 3 | Other | $40,353.59 |
| 4 | | |
| 5 | | |
| 6 | TOTAL | $40,957.14 |

## OTHER INCOME DEDUCTIONS (Account 426)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | TOTAL | |

## MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | TOTAL | $0.00 |

## MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | TOTAL | |

## APPROPRIATIONS OF SURPLUS (Account 436)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 33 | | |
| 34 | | |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | | |
| 40 | TOTAL | |

Annual Report of | Year ended December 31 2012

## 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 | | | | |
| 4 | | TOTALS | | | |

| Line No. | | Electric Schedule (a) | K.W.H. (b) | Revenue Received (c) | Average Revenue per K.W.H. [cents] [$0.0000] (d) |
|---|---|---|---|---|---|
| 5 | | | | | |
| 6 | 444 | Municipal: (Other Than Street Lighting) | 11,688 | $1,788.60 | 0.1530 |
| 7 | | | | | |
| 8 | | TOTALS | 11,688 | $1,788.60 | |
| 9 | | Street Lighting | 50,880 | $7,833.48 | 0.1540 |
| 10 | | | | | |
| 11 | | TOTALS | 50,880 | $7,833.48 | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 19 | | TOTALS | 62,568 | 9,622.08 | 0.1538 |

### 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 | Westfield Gas & Electric | 2,400 | 3,552,122 | $286,312.25 | 0.0806 |
| 21 | Pasny (via MMWEC) | | 400,810 | $8,123.26 | 0.0203 |
| 22 | NU / WMECO-Transmission | | 13,590 | $31,710.00 | 2.3333 |
| 23 | MMWEC | | 1,123,876 | $85,809.38 | 0.0764 |
| 24 | Ashuelot & Lower Robertson Hydro | | 76,695 | $2,684.31 | 0.0350 |
| 25 | | | | | |
| 26 | | | | | |
| 27 | | | | | |
| 28 | | | | | |
| 29 | | TOTALS | 5,167,093 | $414,639.20 | 0.0802 |

### 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) |
|---|---|---|---|---|---|
| 30 | None | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |
| 34 | | | | | |
| 35 | | | | | |
| 36 | | | | | |
| 37 | | | | | |
| 38 | | | | | |
| 39 | | TOTALS | | | |

## ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of 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 are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc.,indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

| | | Operating Revenues | | Kilowatt-hours Sold | | Average Number of Customers per Month | |
|---|---|---|---|---|---|---|---|
| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) | Amount for Year (d) | Increase or (Decrease) from Preceding Year (e) | Number for Year (f) | Increase or (Decrease) from Preceding Year (g) |
| 1 | **SALES OF ELECTRICITY** | | | | | | |
| 2 | 440 Residential Sales | $493,871.12 | $6,366.99 | 3,344,604 | 53,977 | 428 | 0 |
| 3 | 442 Commercial and Industrial Sales: | | | | | | |
| 4 | Small (or Commercial) see instr. 5 | $202,095.62 | $7,361.24 | 1,394,144 | 50,648 | 32 | 0 |
| 5 | Large (or Industrial) see instr. 5 | | | | | | |
| 6 | 444 Municipal Sales (P.22) | $9,622.08 | $0.00 | 62,568 | 0 | 10 | 0 |
| 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** | $705,588.82 | $13,728.23 | 4,801,316 | 104,625 | 470 | 0 |
| 12 | 447 Sales for Resale | | | | | | |
| 13 | **Total Sales of Electricity*** | $705,588.82 | $13,728.23 | 4,801,316 | 104,625 | 470 | 0 |
| 14 | **OTHER OPERATING REVENUES** | | | | | | |
| 15 | 450 Forfeited Discounts | | | | | | |
| 16 | 451 Miscellaneous Service Revenues | | | | | | |
| 17 | 453 Sales of Water and Water Power | | | | | | |
| 18 | 454 Rent from Electric Property | | | | | | |
| 19 | 455 Interdepartmental Rents | | | | | | |
| 20 | 456 Other Electric Revenues | $40,957.14 | ($50,248.89) | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | Miscellaneous Adjustments to Sales | | | | | | |
| 24 | | | | | | | |
| 25 | Total Other Operating Revenues | $40,957.14 | ($50,248.89) | | | | |
| 26 | Total Electric Operating Revenues. | $746,545.96 | ($36,520.66) | | | | |

*Includes revenues from application of fuel clauses

Total KWH to which applied

## SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

| Line No. | Account No. | Schedule (a) | K.W.H. (b) | Revenue (c) | Average Revenue per K.W.H. (cents) *(0.0000) (d) | Number of Customers (per Bills Rendered July 31 (e) | December 31 (f) |
|---|---|---|---|---|---|---|---|
| 1 | 440 | A1 Residential | 3,344,604 | $493,871.12 | 0.1477 | 428 | 428 |
| 2 | | A1H Uncontrolled Water Heating | | | | | |
| 3 | | A1C Controlled Water Heating | | | | | |
| 4 | | X1 Co-generation Small Power Prod. | | | | | |
| 5 | 442 | E1 Small General Service | 1,394,144 | $202,095.62 | 0.1450 | 32 | 32 |
| 6 | | G1 Small General Service | | | | | |
| 7 | | G2 Large General Service | | | | | |
| 8 | | H1 Commercial Heating and Cooling | | | | | |
| 9 | | P1 Industrial | | | | | |
| 10 | 444 | MG1 Municipal | 11,688 | $1,788.60 | 0.1530 | 9 | 9 |
| 11 | | MG2 Municipal | | | | | |
| 12 | | MH1 Municipal | | | | | |
| 13 | | MP1 Municipal | | | | | |
| 14 | | Street Lighting | 50,880 | $7,833.48 | 0.1540 | 1 | 1 |
| 15 | | L1 Area Lighting | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
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| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | TOTAL SALES TO UTIMATE CONSUMERS | | | | | | |
| 49 | ( Page 37 Line 11 ) | | 4,801,316 | 705,588.82 | 0.1470 | 470 | 470 |

Annual Report of | 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 | | |
| 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** | | |
| 9 | **Total Power Production Expenses - Hydraulic Power** | | |
| 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** | | |
| 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** | | |
| 24 | **Total Power Production Expenses - Other Power** | | |
| 25 | **OTHER POWER SUPPLY EXPENSES** | | |
| 26 | 555 Purchased Power | $408,548.00 | ($13,574.87) |
| 27 | 556 System Control and Load Dispatching | | |
| 28 | 557 Other Expenses | | |
| 29 | **Total Other Power Supply Expenses** | **$408,548.00** | **($13,574.87)** |
| 30 | **Total Power Production Expenses** | **$408,548.00** | **($13,574.87)** |
| 31 | **TRANSMISSION EXPENSES** | | |
| 32 | **Operation:** | | |
| 33 | 560 Operation Supervision and Engineering | | |
| 34 | 561 Load Dispatching | | |
| 35 | 562 Station Expenses | | |
| 36 | 563 Overhead Line Expenses | | |
| 37 | 564 Underground Line Expenses | | |
| 38 | 565 Transmission of Electricity by Others | | |
| 39 | 566 Miscellaneous Transmission Expenses | | |
| 40 | 567 Rents | | |
| 41 | **Total Operation** | | |
| 42 | **Maintenance:** | | |
| 43 | 568 Maintenance Supervision and Engineering | | |
| 44 | 569 Maintenance of Structures | | |
| 45 | 570 Maintenance of Station Equipment | | |
| 46 | 571 Maintenance of Overhead Lines | | |
| 47 | 572 Maintenance of Underground Lines | | |
| 48 | 573 Maintenance of Miscellaneous Transmission Plant | | |
| 49 | **Total Maintenance** | | |
| 50 | **Total Transmission Expenses** | | |

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) |
|---|---|---|---|
| 1 | **DISTRIBUTION EXPENSES** | | |
| 2 | **Operation:** | | |
| 3 | 580 Operation Supervision and Engineering | $59,348.10 | $12,175.59 |
| 4 | 581 Load Dispatching | | |
| 5 | 582 Station Expenses | $36,617.35 | $8,999.02 |
| 6 | 583 Overhead Line Expenses | | |
| 7 | 584 Underground Line Expenses | | |
| 8 | 585 Street Lighting and Signal System Expenses | | |
| 9 | 586 Meter Expenses | | |
| 10 | 587 Customer Installations Expenses | | |
| 11 | 588 Miscellaneous Distribution Expenses | | |
| 12 | 589 Rents | | |
| 13 | **Total Operation** | **$95,965.45** | **$21,174.61** |
| 14 | **Maintenance:** | | |
| 15 | 590 Maintenance supervision and engineering | | |
| 16 | 591 Maintenance of Structures | | |
| 17 | 592 Maintenance of Station Equipment | $21,935.73 | ($6,859.37) |
| 18 | 593 Maintenance of Overhead Lines | $93,249.33 | $82,953.75 |
| 19 | 594 Maintenance of Underground Lines | | |
| 20 | 595 Maintenance of Line Transformers | $6,375.00 | $9,240.32 |
| 21 | 596 Maintenance of Street Lighting and Signal Systems | $0.00 | $1,383.54 |
| 22 | 597 Maintenance of Meters | $1,368.00 | ($441.89) |
| 23 | 598 Maintenance of Miscellaneous Distribution Plant | | |
| 24 | **Total Maintenance** | **$122,928.06** | **$86,276.35** |
| 25 | **Total Distribution Expenses** | **$218,893.51** | **$107,450.96** |
| 26 | **CUSTOMER ACCOUNTS EXPENSES** | | |
| 27 | **Operation:** | | |
| 28 | 901 Supervision | | |
| 29 | 902 Meter Reading Expenses | $794.38 | $251.03 |
| 30 | 903 Customer Records and Collection Expenses | $20,363.55 | ($349.02) |
| 31 | 904 Uncollectable Accounts | $3,000.00 | ($2,699.98) |
| 32 | 905 Miscellaneous Customer Accounts Expenses | $287.06 | $1.56 |
| 33 | **Total Customer Accounts Expenses** | **$24,444.99** | **($2,796.41)** |
| 34 | **SALES EXPENSES** | | |
| 35 | **Operation:** | | |
| 36 | 911 Supervision | | |
| 37 | 912 Demonstrating and Selling Expenses | | |
| 38 | 913 Advertising Expenses | | |
| 39 | 916 Miscellaneous Sales Expense | | |
| 40 | **Total Sales Expenses** | | |
| 41 | **ADMINISTRATIVE AND GENERAL EXPENSES** | | |
| 42 | **Operation:** | | |
| 43 | 920 Administrative and General Salaries | $2,100.00 | $0.00 |
| 44 | 921 Office Supplies and Expenses | $0.00 | $0.00 |
| 45 | 922 Administrative Expenses Transferred - Cr. | | |
| 46 | 923 Outside Services Employed | $29,966.28 | ($59,652.13) |
| 47 | 924 Property Insurance | | |
| 48 | 925 Injuries and Damages | | |
| 49 | 926 Employees Pensions and Benefits | $50,888.41 | ($1,990.40) |
| 50 | 928 Regulatory Commission Expenses | | |
| 51 | 929 Duplicate Charges - Cr. | | |
| 52 | 930 Miscellaneous General Expenses | $19,641.12 | ($22,660.73) |
| 53 | 931 Rents | | |
| 54 | **Total Operation** | **$102,595.81** | **($84,303.26)** |

## 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 | | |
| 4 | 933 Transportation expense | | |
| 5 | **Total Maintenance** | 0.00 | 0.00 |
| 6 | **Total Administrative and General Expenses** | | |
| 7 | **Total Electric Operation and Maintenance Expenses** | 754,482.31 | 6,776.42 |

## 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 | $408,548.00 | | $408,548.00 |
| 15 | **Total Power Production Expenses** | **$408,548.00** | **$0.00** | **$408,548.00** |
| 16 | Transmission Expenses | | | |
| 17 | Distribution Expenses | $95,965.45 | $122,928.06 | $218,893.51 |
| 18 | Customer Accounts Expenses | $24,444.99 | | $24,444.99 |
| 19 | Sales Expenses | | | |
| 20 | Administrative and General Expenses | $102,595.81 | | $102,595.81 |
| 21 | Power Production Expenses | | | |
| 22 | **Total Electric Operation and Maintenance Expenses** | **$631,554.25** | **$122,928.06** | **$754,482.31** |

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 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)..... 0.18

24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....

25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) 7

Annual Report of | Year endedDecember 31 2012

## 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 statisical classfication 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, amd othe 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 | Westfield Gas & Electric | FP | X | Town Line | | 1,012 | | 1,012.00 |
| 2 | MMWEC-New York Power Aut | FP | X | Town Line | | 69 | | |
| 3 | Northeast Utilities | O | X | Town Line | | | | |
| 4 | Ashuelot & Lower Robertson Hydro | O | X | Town Line | | 86 | | |
| 5 | MMWEC | FP | X | Town Line | | | | |
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| 37 | | | | | | | | |

## 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. |
|---|---|---|---|---|---|---|---|---|
| 60 minutes | | 3,552,122 | $286,312.25 | | | $286,312.25 | 0.0806 | 1 |
| 60 minutes | | 400,810 | $8,123.26 | | | $8,123.26 | 0.0203 | 2 |
| 60 minutes | | 13,590 | $31,710.00 | | | $31,710.00 | 2.3333 | 3 |
| 60 minutes | | 76,695 | $2,684.31 | | | $2,684.31 | 0.0350 | 4 |
| 60 minutes | | 1,123,876 | $85,809.38 | | | $85,809.38 | 0.0764 | 5 |
| | | | | | | | | 6 |
| | | | | | | | | 7 |
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| | | | | | | | | 33 |
| | | | | | | | | 34 |
| | | | | | | | | 35 |
| | | | | | | | | 36 |
| | TOTALS | 5,167,093 | $414,639.20 | $0.00 | $0.00 | $414,639.20 | 0.0802 | 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 | Nepex | | Russell, MA | | 1,335,710 | 1,016,830 | 318,880 | 22,774 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
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| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | TOTALS | 1,335,710 | 1,016,830 | 318,880 | 22,774 |

### B. Details of Settlement for Interchange Power

| Line No. | Name of Company (i) | Explanation (j) | Amount (k) |
|---|---|---|---|
| 13 | Nepex | Interchange Expense | 17,326 |
| 14 | | Nepool Expenses | 5,448 |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | TOTALS | 22,774 |

Annual Report of

Year ended December 31 2012

## 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..... | 5,167,093 |
| 8 | Purchases..... | |
| 9 | { In (gross) ..... | |
| 10 | Interchanges.....{ Out (gross) ..... | |
| 11 | { Net (Kwh)..... | |
| 12 | { Received..... | |
| 13 | Transmission for/by others (Wh.....{ Delivered..... | |
| 14 | { Net (kwh)..... | |
| 15 | **TOTAL** ..... | 5,167,093 |
| 16 | **DISPOSITION OF ENERGY** | |
| 17 | Sales to ultimate consumers (including interdepartmental sales)..... | 4,801,316 |
| 18 | Sales for resale..... | |
| 19 | Energy furnished without charge ..... | 12,000 |
| 20 | Energy used by the company (excluding station use)..... | |
| 21 | Electric department only..... | 4,813,316 |
| 22 | Energy losses: | |
| 23 | Transmission and conversion losses..... | |
| 24 | Distribution losses..... | 353,777 |
| 25 | Unaccounted for losses..... | |
| 26 | Total energy losses..... | 353,777 |
| 27 | Energy losses as percent of total on line 15..... 6.85% | |
| 28 | **TOTAL** | 5,167,093 |

## MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in killowatt-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 breif 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.

Braintree 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 | | | | | | 488,965 |
| 30 | February | | | | | | 431,027 |
| 31 | March | | | | | | 410,803 |
| 32 | April | | | | | | 371,420 |
| 33 | May | | | | | | 380,858 |
| 34 | June | | | | | | 406,739 |
| 35 | July | | | | | | 508,554 |
| 36 | August | | | | | | 478,644 |
| 37 | September | | | | | | 388,340 |
| 38 | October | | | | | | 387,674 |
| 39 | November | | | | | | 428,167 |
| 40 | December | | | | | | 485,902 |
| 41 | | | | | | TOTAL | 5,167,093 |

## OVERHEAD DISTRIBUTION LINES OPERATED

| Line No. | | Length (Pole Miles) | | |
|---|---|---|---|---|
| | | Wood Poles | Steel Towers | TOTAL |
| 1 | Miles - Beginning of Year | 28.25 | | 28.25 |
| 2 | Added During Year | | | 0.00 |
| 3 | Retired During Year | | | |
| 4 | Miles - End of Year | 28.25 | | 28.25 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |

## ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

| Line No. | Item | Electric Services | Number of Watt-hour Meters | Line Transformers | |
|---|---|---|---|---|---|
| | | | | Number | Total Capacity (Kva) |
| 16 | Number at beginning of year | 470 | | 149 | |
| 17 | Additions during year: | | | | |
| 18 | Purchased | | | | |
| 19 | Installed | | | | |
| 20 | Associated with utility plant acquired | | | | |
| 21 | **Total additions** | 0 | 0 | 0 | 0 |
| 22 | Reduction during year: | | | | |
| 23 | Retirements | | | | |
| 24 | Associated with utility plant sold | | | | |
| 25 | **Total reductions** | 0 | 0 | 0 | 0 |
| 26 | **Number at End of Year** | 470 | 0 | 149 | 0 |
| 27 | In Stock | | | | |
| 28 | Locked Meters' on customers' premises | | | | |
| 29 | Inactive Transformers on System | | | | |
| 30 | In Customers' Use | | | | |
| 31 | In Companys' Use | | | | |
| 32 | **Number at End of Year** | | 0 | 149 | 0 |

## STREET LAMPS CONNECTED TO SYSTEM

| Line No. | City or Town | Total | TYPE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Incandescent | | Mercury Vapor | | Fluorescent | | High Press. Sodium | |
| | | | Municipal | Other | Municipal | Other | Municipal | Other | Municipal | Other |
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
| 1 | Town of Russell | 124 | | | | | | | 124 | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
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| 47 | | | | | | | | | | |
| 48 | | | | | | | | | | |
| 49 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 51 | | | | | | | | | | |
| 52 | TOTALS | 124 | 0 | | 0 | | | | 124 | |

## 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*** |
| Alan Robinson | ***Manager of Electric Light*** |
| Carol Lucardi | **Selectmen or Members of the Municipal Light Borad** |
| Edward Stewart | |
| Don LaBombard | |
| | |
| | |

Russell Electric Light Department Rates
Effective: January 1, 2009

## Residential Rate: R1 #43A

| | | |
|---|---|---|
| **Delivery Services:** | Customer Charge | $5.00 per month |
| | Distribution Charge: | .044 per kWh |
| | ECS Charge | .00250 per kWh |
| | Transmission Charge: | .0088 per kWh |
| | TCA Charge | .005 per kWh |
| **Supply Services:** | Generation Charge | .088 per kWh |
| | Power Purchase Adjustment | .025 per kWh |

## Small General Service: SGS #44A

| | | |
|---|---|---|
| **Delivery Services:** | Customer Charge | $10.00 per month |
| | Distribution Charge: | .044 per kWh |
| | Demand Charge | $1.00 per kVA |
| | ECS Charge | .00250 per kWh |
| | Transmission Charge: | .0088 per kWh |
| | Demand Charge | $1.00 per kVA |
| | TCA Charge | .005 per kWh |
| **Supply Services:** | Generation Charge | .088 per kWh |
| | Power Purchase Adjustment | .025 per kWh |

## General Service: G #45A

| | | |
|---|---|---|
| **Delivery Services:** | Customer Charge | $20.00 per month |
| | Distribution Charge: | .044 per kWh |
| | Demand Charge | $2.00 per kVA |
| | ECS Charge | .00250 per kWh |
| | Transmission Charge: | .0088 per kWh |
| | Demand Charge | $2.00 per kVA |
| | TCA Charge | .005 per kWh |
| **Supply Services:** | Generation Charge | .088 per kWh |
| | Power Purchase Adjustment | .025 per kWh |

## Large General Services: LGS#46A

| | | |
|---|---|---|
| **Delivery Services:** | Customer Charge | $40.00 per month |
| | Distribution Charge: | .044 per kWh |
| | Demand Charge | $4.00 per kVA |
| | ECS Charge | .00250 per kWh |
| | Transmission Charge: | .0088 per kWh |
| | Demand Charge | $4.00 per kVA |
| | TCA Charge | .005 per kWh |
| **Supply Services:** | Generation Charge | .088 per kWh |
| | Power Purchase Adjustment | .025 per kWh |

RUSSELL ELECTRIC LIGHT DEPARTMENT

MDPU No. 50A
New Schedule

POWER WHEELING SERVICE
SCHEDULE PWS
Effective: January 1, 2009

| | |
|---|---|
| 1. Designation | PWS |
| 2. Available | In all areas served by Russell Electric Light Department |
| 3. Applicable | Independent Power Producers, other electric utilities, and qualifying cogeneration or small power producers with generating facilities who desire to sell power to others located on or off Russell's system. Capacity contingent upon availability and at the discretion of Russell Electric Light Department |
| 4. Rate | Total monthly rate per kilowatt of contracted capacity:<br>Contracted capacity (i.e.) 1000kW times 28.00kW divided by 12 months.<br>Monthly bill (i.e.) $2333.33 plus a line loss factor payment. |
| 5. Minimum Bill | To cover the cost of meter reading and processing:<br>Per meter per billing: $40.00 three phase<br><br>To cover the cost of annual inspections:<br>Three phase per billing: $20.00<br><br>Monthly rate per kW of contracted capacity. |
| 6. Payment | Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL. The above rate will be updated annually by the Department |
| 7. General Terms and Conditions | Russell Electric Light Department shall own and install any interconnection facilities on the Department side of the meter. The cost associated with these facilities will be borne by the Customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the Customer. The Customer shall pay for these interconnection costs as determined as follows:<br><br>A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.<br><br>In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne the Customer. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.<br><br>The customers will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative. At the Department's request the Customer shall furnish, install and maintain, at its expense, corrective apparatus which results in an average power factor of not less than 90% lagging.<br><br>Parallel operation must cease, immediately and automatically, during system outages and other emergency or abnormal conditions specified by the Department. The Customer |

**7. General Terms and Conditions (cont.)**

must cease parallel operation upon notification by the Department if such operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance. The Department accepts no responsibility whatsoever for damage or injury to any person or property caused by failure of the Customer to operate in compliance with Department requirements.

Customer will contract for a fixed monthly transmission capacity reservation for a minimum period of three years. Contract will continue on an annual basis thereafter.

Customer shall give advance notice of six months for purposes of increasing capacity reservation. Increased capacity shall be contingent upon availability and at the discretion of the Department.

Inadvertent excess and un-contracted additional capacity requirements placed on the Russell system shall be billed at twelve times the above rate for such excess. The excess will continue to be billed at twelve times the above rate, until such time as the excess condition is removed or until contracted with the Department.

Failure of the Customer to comply with any of the requirements set forth above may result in disconnection from the Department's system. The Department's General Terms and Conditions in effect from time to time where not inconsistent with any specific provisions above, are a part of this rate.

**RUSSELL ELECTRIC LIGHT DEPT**
**200 Main St.**
**PO Box 808**
**Russell, MA 01071**
**(413)862-6216**
**www.townofrussell.us**

RUSSELL ELECTRIC LIGHT DEPARTMENT

MDPU No. 49A
New Schedule

TRANSMISSION COST ADJUSTMENT CLAUSE
SCHEDULE TCA
**Effective: January 1, 2009**

| | |
|---|---|
| **1. Designation** | TCA |
| **2. Available** | In all areas served by Russell Electric Light Department |
| **3. Applicable** | As defined in each of the individual rate schedules filed with Mass. DPU for the Russell Electric Light Department. |
| **4. Definition** | Average Transmission Adjustment Cost (+/-) $.005/kWh<br><br>The difference between the average Transmission Cost for the preceding month or quarter and the Transmission Base Cost as defined herein. The resulting charge or credit will be billed to transmission on a per kilowatt-hour basis as applicable. |
| **5. Base Cost** | $.0088 /kWh. |
| **6. General Terms and Conditions** | Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this Adjustment Clause. |

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RUSSELL ELECTRIC LIGHT DEPARTMENT

MDPU No. 48A
New Schedule

POWER PURCHASE ADJUSTMENT CLAUSE
SCHEDULE PPA
Effective: January 1, 2009

| | |
|---|---|
| **1. Designation** | PPA |
| **2. Available** | In all areas served by Russell Electric Light Department |
| **3. Applicable** | As defined in each of the individual rate schedules filed with Mass. DPU for the Russell Electric Light Department. |
| **4. Definition** | Average Purchased Power Adjustment Cost (+/-) $.025/kWh<br><br>The difference between the average Purchased Power Cost for the preceding month or quarter and the Purchased Power Base Cost as defined herein. The resulting charge or credit will be billed on a per kilowatt-hour basis as applicable. |
| **5. Base Cost** | $.088/kWh. |
| **6. General Terms and Conditions** | Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this Adjustment Clause. |

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RUSSELL ELECTRIC LIGHT DEPARTMENT

MDPU No. 47A
Cancels MDTE No. 45

STREET/CONTRACT LIGHTING
SCHEDULE SL
Effective: January 1, 2009

| | |
|---|---|
| 1. Designation | SL |
| 2. Available | In all areas served by Russell Electric Light Department |
| 3. Applicable | All customers |
| 4. Rate | Monthly flat rate of $1.00 per lamp plus .15/kWh<br><br>Wattage divided by 1,000 X 4200hrs/yr X .15/kWh divided by 12. |
| 5. Purchase Power Adjustment | There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in affect at the time of billing. |
| 6. Transmission Adjustment | There shall be an adjustment in rate for all kWh's consumed due to the cost of transmission charges as provided in the "Transmission Adjustment Clause" in affect at the time of billing. |
| 7. Farm Discount | There shall be a 10% discount on monthly bill as provided in the "Farm Discount Schedule" in affect at the time of billing. |
| 8. Energy Conservation Service | State regulations mandate that a fee be collected from all customers to cover the cost of Energy Conservation Service as provided in the "ECS Schedule" in affect at the time of billing. |
| 9. Payment | Bills are due when rendered. |
| 10. General Terms and Conditions | Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule. |

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**ell, MA 01071**
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**1. General:**

This Terms and Conditions Statement ("Agreement") has been established to convey the conditions that you ("Customer") agree to when requesting service from Russell Electric Light ("REL"). The benefits and obligations of this Agreement will commence on the day that you, as the Customer, are connected to REL's service and will inure to and be binding upon the successors and assigns, survivors and executors or administrators of the original parties. REL reserves the right to revise, amend, supercede, supplement or change these Terms and Conditions from time to time in accordance with applicable laws, regulations and policy. The Terms and Conditions shall remain consistent with the Department of Public Utilities & Energy ("DPU") standards. In the event that any of the Terms and Conditions is in conflict with any applicable DPU rule or regulation, DPU rules and regulations shall govern.

**2. Application:**

Service shall not be supplied unless and until the Customer completes an "Application for Service". The Application must be accurate, true, complete and signed by the Customer of Record. All Customer's electrical needs present and future, if known, should be stated at the time of the application.

**3. Deposit**

A deposit will be required on any commercial or residential account. A two hundred dollar security deposit will be required for all customers. Deposits may be waived if the Customer provides REL with proof that the Customer is the owner of the property for which service is requested. REL reserves the right to request a deposit at any time, and from time to time, on any account that does not remain in good standing.

Interest is payable annually on all deposits which are retained longer than six (6) months at a rate that is at or above such rate specified by applicable laws and regulations. Such rate may be credited to a Customer's account. Refunds on deposits shall be returned if after twenty-four (24) months of service Customer has paid all bills for usage in the twenty-four (24) month period from the date of deposit and without leaving such bills unpaid within forty-five (45) days of receipt.

All deposits shall be due and paid before service will be provided.

**4. Metering:**

For the purpose of determining the amount of electricity used, a meter or meters will be installed and maintained by REL on the Customer's premises. All meters, wires and other apparatus furnished by REL are and shall remain the sole and exclusive property of REL. Customer agrees that the wiring upon the premises of the Customer to which service will be connected shall be in installed and maintained by Customer in accordance with the requirements of the National Electrical Code and all requirements of the Town of Russell.

REL or its authorized agent shall have access to the Customer's premises at all reasonable times to install, read, inspect, test, operate, maintain, repair, or remove its equipment, to discontinue service, to determine the rate or rates for the Customer's electric service, or for any other purpose reasonably related to the provision of electric service.

The Customer shall not injure, interfere with, destroy or tamper with any meter or other property of REL. The Customer shall be responsible for the care and protection of any of REL's property located or installed on the Customer's premises and shall not permit anyone but REL or its authorized representatives to have access to such property. REL's property, machinery or equipment shall not be handled or operated by anyone other than REL or its authorized representatives without the express written consent of REL. REL will lock or seal all enclosures containing meters or metering equipment, and no person, except an employee or duly authorized agent of REL shall be permitted to, in any way, change or modify REL's meters or other equipment, and no seals or locks shall be permitted to be removed without the written authorization of REL. Customer shall indemnify and hold REL harmless, should any violations of these provisions result in injury, death or damage to persons or property.

Subject to the provisions of Massachusetts General Laws ("M.G.L."), Chapter 164 and applicable DPU regulations, when a meter is found to be tampered with, service to that meter will be disconnected. To have service restored, the Customer shall be required to pay charges (related to disconnection, damages and investigation) and may be required to pay an additional security deposit. Service shall not be restored until Customer has paid all charges in full. Instances of tampering with meters will be reported to the appropriate authorities. Customer may also be subject to criminal and civil penalties pursuant to the M.G.L.

**5. Meter Reading / Bills:**

A bill based an actual or estimated reading of REL's metering equipment shall be rendered monthly, payable upon receipt. When a Customer is serviced through more than one meter, each meter will be considered separately.

If REL cannot obtain a meter reading, it shall render an estimated bill, provided REL has not rendered an estimated bill for the billing period prior to that for which the estimate is made, except in the case where circumstances reasonably beyond the control of REL prevent it from obtaining an actual meter reading. Subject to the provisions of M.G.L., Chapter 164 and applicable DPU regulations, if any Customer, directly or indirectly, prevents or hinders any such employee or agent of REL from entering such premises for the purposes of making such examination, REL may pursuant to M.G.L. c. 164, § 116 make a complaint to any court or magistrate authorized to issue criminal process.

**6. Classification:**

REL determines a Customer's appropriate rate based on information provided by Customer at the time of application for service. The rates are updated to provide each Customer the most advantageous rate available. It is the Customer's responsibility to assure itself that it is on a rate most advantageous to itself. Customer should promptly notify REL of any change in circumstances, which may qualify Customer for a more advantageous rate.

**7. Discontinuance of Service / Nonpayment:**

**A. Unsafe wiring, fraud, or theft:** REL may discontinue service without notice if a Customer's wiring is found to be in a dangerous or unsafe condition or as is necessary to protect REL from fraud or theft. Service shall not be resumed until the Town of Russell Wiring Inspector certifies to REL that any dangerous or unsafe condition has been corrected and all wiring is in accordance with the applicable laws and regulations.

**B. Unsatisfactory Equipment:** REL may discontinue service and remove its equipment if, in its judgment, the equipment has become unsatisfactory for further service due to deterioration, civil commotion, vandalism, state of war, explosion, fire, storm, flood, lightning, or any other cause reasonably beyond REL's control. Customer may be required to pay the applicable charges for the remainder, in any, of the applicable term of service.

**C. Access to Premises:** Subject to the provisions of M.G.L., Chapter 164 and applicable DPU regulations, if any Customer, directly or indirectly, prevents or hinders any employee or agent of REL from entering a premises for the purposes of making an examination, removing meters for the purpose of work relating to supply or regulation of

supply, or for the purpose of ascertaining the quantity of electricity consumed or supplied, such Customer shall be subject to termination of service.

**D. Non-Payment of Charges:** If a Customer defaults on payments due to REL, service may be discontinued in accordance with DPU Regulations 220 CMR 25.00-25.05, to the extent that such regulation is applicable. REL shall not restore service until the Customer has:

1. Made an Application for Service and paid all bills due for service previously furnished; and

2. Made a satisfactory deposit to insure payment of future bills; and

3. Paid the costs of reconnection of the premises for which service has been discontinued.

REL shall not be responsible or liable for loss or damage to any person or property resulting from disconnection of service regardless of whether service is disconnected at the Customer's request or by REL and regardless of whether the Customer owns the premises to which service has been supplied.

In the event of an actual or threatened shortage of energy supplies or resources, REL may, in its sole discretion, curtail, allocate, or interrupt electric service to any Customer or Customers, if REL determines, in its sole discretion, that any part of the generation, transmission or distribution systems REL utilizes may be threatened by a condition that may affect its ability to continue to supply electric service of sufficient quality, quantity and reliability.

Although REL will make every effort to make necessary repairs and changes to its system without having to suspend the delivery of service, REL reserves the right to suspend service in order to make repairs or changes.

**8. Collection:**

Lien upon real estate for nonpayment of service charge under Massachusetts General Law Chapter 164, Section 58B through 58F inclusive regarding tax liens for unpaid Municipal Electric charges. Notwithstanding such lien, any such overdue rate or charge may be collected through any other legal means, including the shutting off of electricity or services. The Customer is responsible for any collection costs, including court costs and attorneys' fees associated with any unpaid balances, meter tampering, theft of services, fraud or otherwise.

**9. Limitations of Liability:**

The Town of Russell, REL, and all of their respective agents and employees shall be afforded the maximum exemption of limitations of liability available under applicable laws and regulations arising on account of their actions or omissions relating directly or indirectly any provision of electrical service. Without limiting the generality of the foregoing, and except to the extent otherwise expressly provided in M.G.L. Chapter 258:

Neither the Town of Russell, nor REL nor any of their respective agents or employees shall be liable to any person:

A. For any failure by REL to supply electric service or for any interruption in the supply of or delay in the restoration of such service.

B. For any damage to any person (including personal injury or death) or any damage to any property, directly or indirectly, arising as a result of the electric service provided by REL, the presence of REL's apparatus or equipment on any Customer's premises, or any acts or omissions of REL.

C. For discontinuance of electrical service to any Customer who fails to comply with, or perform any of the Customer's obligations under these Terms and Conditions, applicable laws and regulations, or other agreements with REL.

D. The discontinuance of electrical service if any equipment or apparatus of any Customer interferes with service provided by REL or with the delivery of service to other Customers or interferes with the integrity of REL's system.

E. For any variation, or interruption in electrical service including without limitation, any such variation or interruption because of abnormal or reduced voltage, emergency load reduction programs, blackouts, or any causes beyond the reasonable control of REL, including, but not limited to, accidents, war, civil commotion, acts of God, labor difficulties, acts of Customers, or acts of any public authority.

**10. Inspection:**

Approval by the Town of Russell Wiring Inspector for electric service is required before service can be initiated to any new, or newly wired or rewired building, structure or residence.

**11. Payment:**

Bills are due when rendered. The minimum charge as defined under REL's rate schedules shall be applicable at all times. All payments of bills rendered must be paid within twenty-five (25) days of billing date. Thereafter, 1.5% per month interest will be added to unpaid balance of non-residential bills. Public accounts subject to Sec. 94D of Chapter 164 MGL.

**RUSSELL ELECTRIC LIGHT DEPT**
**200 Main St.**
**PO Box 808**
**Russell, MA 01071**
**(413)862-6216**
**www.townofrussell.us**