# THE COMMONWEALTH OF MASSACHUSETTS

# RETURN

OF THE

TOWN OF READING MUNICIPAL LIGHT DEPARTMENT

TO THE

# DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

## FOR THE YEAR ENDED DECEMBER 31,

# 2014

Name of Officer to whom correspondence should be addressed regarding this report. **Colleen M. O'Brien**

Official Title: **General Manager**

Office Address: **230 Ash Street**

**Reading, MA. 01867**

Form AC-19

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## GENERAL INFORMATION

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

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

   Kind of plant, whether gas or electric. Electric

   Owner from whom purchased, if so acquired. Created in 1894

   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, 94 ; No, 14 Second vote: Yes, 361 ; No, 21

   Date when town (or city) began to sell electricity, 1895

3. Name and address of acting general manager of municipal lighting:
   Coleen M. O'Brien
   230 Ash Street
   Reading, MA. 01867

4. Name and address of mayor or selectman
   John Arena, Chair
   Marsie K. West, Vice Chair
   Daniel Ensminger, Secretary
   John R. Halsey
   Kevin M. Sexton

5. Name and address of town (or city) treasurer:
   Nancy J. Heffernan
   16 Lowell Street
   Town Hall
   Reading, MA. 01867

6. Name and address of town (or city) clerk:
   Laura A. Gemme
   16 Lowell Street
   Town Hall
   Reading, MA. 01867

7. Names and addresses of members of municipal light board:
   David Talbot, Chair
   Philip B. Pacino, Vice Chair
   Thomas O'Rourke
   John Stempeck

8. Total valuation of estates in town (or city) according to last state valuation $3,999,637.75

9. Tax rate for all purposes during the year: $14.70

10. Amount of manager's salary: $169,957.00

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

12. Amount of salary paid to members of municipal light board (each) $0.00

Annual Report of: Town of Reading Municipal Light Department — Year ended December 31, 2014

**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 sales of electricity | 87,392,029.00 |
| 3 | | |
| 4 | **TOTAL** | **87,392,029.00** |
| 5 | **Expenses:** | |
| 6 | For operation, maintenance and repairs | 80,597,058.00 |
| 7 | For interest on bonds, notes or scrip | |
| 8 | For depreciation fund ( 3% on $129,733,333.00 ) | 3,892,000.00 |
| 9 | For sinking fund requirements | |
| 10 | For note payments | |
| 11 | For bond payments | |
| 12 | For loss in preceding year | |
| 13 | **TOTAL** | **84,489,058.00** |
| 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 | |
| 19 | Of electricity to be used for street lights | |
| 20 | Total of the above items to be included in the tax levy | |
| 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, Dec 31. | City or Town | Number of Customers' Meters, Dec 31. |
| | | Reading | 10,296 |
| | | Lynnfield | 3,110 |
| | | North Reading | 6,715 |
| | | Wilmington | 9,455 |
| | | Co-Op Resale | 20 |
| | | **TOTAL** | **29,596** |

Annual Report of: Town of Reading Municipal Light Department — Year ended December 31, 2014

## 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..... $
2. Municipal Buildings.....

$

*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:

SEE ATTACHED SCHEDULE

In gas property:

# READING MUNICIPAL LIGHT DEPARTMENT

## *CALENDAR YEAR 2014 CONSTRUCTION HIGHLIGHTS*

## PEAK DEMAND

The Reading Municipal Light Department's (RMLD) system peak demand in Calendar Year 2014 was 157,252 kW occurring on Friday, July 2, 2014, at 4:00 pm. This was 8.84% lower than the highest peak demand of 172,493 kW set in August 2006. The RMLD purchased 709,255,033 kWh in CYF14.

## LINE CONSTRUCTION

Line construction throughout the system is performed to provide reliability enhancement, to connect new loads, or to address areas needing upgrades. This work includes both overhead and underground cable installation, service installation and upgrades, installation and removal of poles, transfers of electrical equipment, and performing work related to Massachusetts Highway Projects.

## READING

*Circuit Upgrades:*

- Approximately 1,800 circuit feet of underground cable was installed as part of the circuit 4W13 upgrade project.
- Approximately 1,000 feet of primary cable and 1,200 feet of secondary cable were installed on Vine Street.
- Approximately 400 feet of primary cable and secondary cable were installed at 184 Woburn Street.
- Approximately 1,300 feet of primary cable and secondary cable were installed on Mark Avenue and Laurel Lane.

*Commercial/Industrial:*

Notable examples of new service additions or upgrades:

- St Agnes Church Parish Center – 184 Woburn Street

## WILMINGTON

*Circuit Upgrades:*

- Approximately 2,600 circuit feet of primary cable was installed on West Street as part of the circuit 4W13 upgrade project.
- Approximately 3,400 circuit feet of primary cable was installed on Wildwood Street as part of the circuit 5W9 upgrade project.
- Approximately 1,000 circuit feet of primary cable was installed on the Town Hall Road.

*Commercial/Industrial:*

Notable examples of new service additions or upgrades:

- Commercial Building – 841 Woburn Street
- Red Heat Tavern – 300 Lowell Street
- United Tool & Die – 98 Eames Street
- Target – 210 Ballardvale Street
- Commercial Building – 200 Andover Street
- Kirkwood Printing – 904 Main Street
- Commercial Building – 110 Eames Street
- Burlington Self Storage – 114 West Street
- ConforMIS – 600 Research Drive
- Dunkin' Donuts – 206 Ballardvale Street

## NORTH READING

*Circuit Upgrades:*

- Approximately 1,000 circuit feet of primary cable was installed on Park Street as part of the North Reading High School project.

*Commercial/Industrial:*

New North Reading High School – Park Street

## LYNNFIELD CENTER

There were no notable new service additions or upgrades.

## CUSTOMER CALLS

The Department answered approximately 1,442 trouble calls that were of a routine or emergency nature. A summary of the reasons for these calls include: house service difficulties, trees interfering with power lines, utility poles hit by vehicles, animal contact with energized lines, and transformer and equipment problems for miscellaneous reasons. There were 42 pole damage cases as a result of motor vehicle accidents.

## POLE REPLACEMENTS

The Department completed approximately 114 pole installations and replacements. Many of these were in connection with the RMLD circuit upgrade projects throughout the service area.

## DIGSAFE

The RMLD marked out underground facilities locations for 4,113 DIGSAFE calls.

## METERS

Between the Meter and Line Departments, service upgrades, new construction, and renovations resulted in a total of 216 new overhead and underground residential and commercial/industrial services delineated as follows:

- Reading – 89 residential and 10 commercial/industrial
- Lynnfield – eight (8) residential and one (1) commercial/industrial
- North Reading – 36 residential and 10 commercial/industrial
- Wilmington – 33 residential and 29 commercial/industrial

A total of 166 new residential services represent a 30% decrease in new residential services from CY13 (239). A total of 50 commercial/industrial services were installed representing a 6% decrease from CY13 (53).

Ninety-one (91) meters were replaced due to routine residential and commercial meter replacements.

## TREE TRIMMING AND PREVENTATIVE MAINTENANCE

In 2014 the RMLD continued its preventive maintenance, tree-trimming program. Three tree crews concentrated on feeder maintenance and customer calls. The RMLD continues to use an arborist to identify where eminent tree/wire conflicts and hazards may exist so that the RMLD can take a targeted and prioritized approach to correcting these conditions and eliminating a potential outage situation.

## COMPARATIVE SYSTEM PERFORMANCE STATISTICS

The RMLD utilizes Customer Average Interruption Index (CAIDI), System Average Interruption Duration Index (SAIDI), and System Average Interruption Frequency Index (SAIFI) data to measure system performance.

CAIDI measures the average duration (in minutes) of an interruption experienced by customers. SAIFI measures the average number of instances that a customer will experience an interruption. In CY14, CAIDI was 63.31 average minutes of outage time, and SAIFI was 0.62 instances. The slight upward trend of SAIFI is the direct result of exceptional tree growth, increased motor vehicle accidents, and failure of aged equipment tied to specific areas of the system that have experienced more frequent outages.

SAIDI measures the average interruption duration (in minutes) for customers served by the utility. In CY14, SAIDI was 39 minutes.

The RMLD continues to provide reliable service through the development and implementation of a number of proactive maintenance programs in 2014. All three indices measured below the national average with SAIDI and CAIDI also measuring below the regional average.

## RENEWABLE ENERGY

RMLD is working with customers who wish to install renewable energy products. At the end of CY14, there were a total of 27 residential (167.051 kW) and four commercial (914.66 kW) sites generating solar energy within RMLD's service territory. In 2014 photovoltaic systems were added at six residential locations (one in Reading, one in North Reading, two in Lynnfield, and two in Wilmington). One new commercial site was added in Wilmington.

## FLEET & FACILITIES

*Facilities:*

The Designer Selection Committee for the removal and replacement of existing boilers, chillers and associated equipment selected McRitchie Engineering as the firm to provide engineering, design and project management support for the upgrade of the HVAC system in the main operations/office building located at 230 Ash Street. McRitchie Engineering will be providing support in the following three areas:

- study and value engineering,
- engineering, design and construction documents (in progress), and
- construction/project management.

The new HVAC equipment will operate at significantly higher efficiency providing lower energy costs. The system will also be controlled with a new Building Control System to further reduce energy usage.

Annual fire extinguisher inspection and maintenance was completed in August with over 165 fire extinguishers inspected and maintained. This program ensures that critical safety equipment located in all RMLD vehicles and buildings is available if needed.

*Security:*

Significant upgrades continue to the security system at the Ash Street campus. These upgrades have improved monitoring of all facilities from the RMLD Control Room. During 2014 additional improvements associated with perimeter lighting and exterior doors on two buildings at the Ash Street campus as well as additional upgrades associated with the improved monitoring of Station 4 and other security related items were also completed.

*Fleet:*

The Facilities group completed dielectric testing of 16 Line Department vehicles. The Facilities group also performed preventive maintenance of 17 Line Department vehicles to provide proper operation of the mechanical and lift equipment for daily operation. The maintenance program ensures vehicles are safe and operational at all time, especially during significant weather events. It

should be noted that during significant weather events all Line Department vehicles maintained proper operation with only minor issues. In addition, preventative maintenance was performed on 22 light-duty trucks and cars during the year.

In 2014 RMLD received the following new Line Department vehicles:

- two pick-up trucks
- one 55-foot material handler
- one first response bucket truck (trouble truck)

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## BONDS
(Issued on Account of Gas or Electric Lighting)

| When Authorized* | Date of issue | Amount of Original Issue | Period of Payments | | Interest | | Amount Outstanding |
|---|---|---|---|---|---|---|---|
| | | | Amounts | When Payable | Rate | When Payable | |
| Aug-1894 | Oct 1894 | 50,000.00 | | | | | |
| May-1907 | Oct-1907 | 26,000.00 | | | | | |
| Jun-1911 | Jul-1911 | 20,000.00 | | | | | |
| Aug-1913 | Oct-1913 | 23,500.00 | | | | | |
| Sep-1914 | Sep-1914 | 8,000.00 | | | | | |
| Mar-1916 | May-1916 | 10,000.00 | | | | | |
| Mar-1917 | Oct-1917 | 55,000.00 | | | | | |
| Oct-1918 | Jan-1919 | 12,000.00 | | | | | |
| Mar-1919 | Apr-1919 | 20,000.00 | | | | | |
| Mar-1917 | May-1920 | 20,000.00 | | | | | |
| Dec-1923 | Dec-1924 | 10,000.00 | | | | | |
| Mar-1928 | Aug-1927 | 13,000.00 | | | | | |
| Mar-1930 | Jun-1930 | 15,000.00 | | | | | |
| Mar-1931 | Apr-1931 | 40,000.00 | | | | | |
| Jan-1951 | Oct-1951 | 150,000.00 | | | | | |
| Dec-1952 | Jul-1953 | 150,000.00 | | | | | |
| Mar-1955 | Dec-1955 | 125,000.00 | | | | | |
| Mar-1956 | Sep-1956 | 600,000.00 | | | | | |
| Mar-1970 | Nov-1970 | 600,000.00 | | | | | |
| Mar-1970 | Aug-1979 | 1,000,000.00 | | | | | |
| Feb-1991 | Feb-1991 | 3,465,000.00 | | | | | |
| Dec-1992 | Dec-1992 | 1,860,000.00 | 210,000.00 | February 15 | 4.10 | February 15; August 15 | 0.00 |
| Jul-1996 | Jul-1996 | 2,978,000.00 | 296,000.00 | July 1 | 4.83 | January 1; July 1 | 0.00 |
| Dec-1999 | Dec-1999 | 5,500,000.00 | 550,000.00 | September 1 | 4.57 | March 1; September 1 | 0.00 |
| | **TOTAL** | **16,750,500.00** | **1,056,000.00** | | | | - |

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

*Date of meeting and whether regular or special

Annual Report of: Town of Reading Municipal Light Department — Year ended December 31, 2014

## TOWN NOTES

(Issued on Account of Gas or Electric Lighting)

| When Authorized | Date of Issue | Amount of Original Issue | Period of Payments | | Interest | | Amount of Outstanding at End of Year |
|---|---|---|---|---|---|---|---|
| | | | Amounts | When Payable | Rate | When Payable | |
| Mar-1896 | Mar-1896 | 7,000.00 | | | | | |
| Dec-1896 | Dec-1896 | 1,500.00 | | | | | |
| Mar-1898 | Jul-1898 | 3,000.00 | | | | | |
| Mar-1903 | Dec-1903 | 1,400.00 | | | | | |
| Mar-1909 | Nov-1909 | 2,500.00 | | | | | |
| Jan-1909 | Jan-1910 | 1,800.00 | | | | | |
| Jan-1910 | Mar-1910 | 12,000.00 | | | | | |
| Mar-1911 | Jul-1911 | 2,200.00 | | | | | |
| Mar-1913 | Apr-1913 | 13,500.00 | | | | | |
| Mar-1915 | May-1915 | 12,000.00 | | | | | |
| Mar-1915 | Jul-1915 | 4,000.00 | | | | | |
| Mar-1917 | Sep-1917 | 6,500.00 | | | | | |
| Nov-1919 | Nov-1919 | 3,000.00 | | | | | |
| Mar-1921 | Jul-1921 | 7,000.00 | | | | | |
| Dec-1922 | Dec-1922 | 7,000.00 | | | | | |
| May-1934 | May-1934 | 20,000.00 | | | | | |
| Mar-1935 | Jun-1935 | 20,000.00 | | | | | |
| Mar-1937 | Apr-1937 | 60,000.00 | | | | | |
| Jun-1939 | Nov-1939 | 25,000.00 | | | | | |
| Mar-1939 | Jul-1939 | 15,000.00 | | | | | |
| Jun-1939 | Jul-1939 | 36,000.00 | | | | | |
| Mar-1941 | May-1941 | 21,000.00 | | | | | |
| Mar-1941 | May-1941 | 10,000.00 | | | | | |
| Dec-1948 | Mar-1949 | 80,000.00 | | | | | |
| Nov-1985 | Dec-1985 | 183,427.00 | | | | | |
| Aug-1992 | Aug-1992 | 680,000.00 | | | | | |
| Apr-1994 | Apr-1994 | 2,000,000.00 | | | | | |
| Aug-1995 | Aug-1995 | 1,090,000.00 | | | | | |
| | TOTAL | 4,324,827.00 | | | | | 0.00 |

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

# TOTAL COST OF PLANT - ELECTRIC

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

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Retirements (d) | Adjustments (e) | Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | **1. INTANGIBLE PLANT** | | | | | | |
| 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 and Engine Driven Generators..... | | | | | | |
| 11 | 314 Turbogenerator Units..... | | | | | | |
| 12 | 315 Accessory Electric Equipment..... | | | | | | |
| 13 | 316 Miscellaneous Power Plant | | | | | | |
| 14 | Equipment..... | | | | | | |
| 15 | **Total Steam Production Plant.....** | | | | | | |
| 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...** | | | | | | |

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## TOTAL COST OF PLANT - ELECTRIC (Continued)

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Retirements (d) | Adjustments (e) | Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | **C. Hydraulic Production Plant** | | | | | | |
| 2 | 330 Land and Land Rights..... | | | | | | |
| 3 | 331 Structures and Improvements..... | | | | | | |
| 4 | 332 Reservoirs, Dams and Waterways | | | | | | |
| 5 | 333 Water wheels, Turbines and Generators..... | | | | | | |
| 6 | 334 Accessory Electric Equipment..... | | | | | | |
| 7 | 335 Miscellaneous Power Plant Equipment..... | | | | | | |
| 8 | 336 Roads. Railroads and Bridges..... | | | | | | |
| 9 | **Total Hydraulic Production Plant** | | | | | | |
| 10 | **D. Other Production Plant** | | | | | | |
| 11 | 340 Land and Land Rights..... | | | | | | |
| 12 | 341 Structures and Inprovements..... | | | | | | |
| 13 | 342 Fuel Holders, Producers and Accessories..... | | | | | | |
| 14 | 343 Prime Movers..... | | | | | | |
| 15 | 344 Generators..... | | | | | | |
| 16 | 345 Accessory Electric Equipment..... | | | | | | |
| 17 | 346 Miscellaneous Power Plant Equipment..... | | | | | | |
| 18 | **Total Other Production Plant** | | | | | | |
| 19 | **Total Production Plant** | | | | | | |
| 20 | **3. Transmission Plant** | | | | | | |
| 21 | 350 Land and Land Rights..... | 25,016.00 | | | | | 25,016.00 |
| 22 | 351 Clearing Land and Rights of Way | | | | | | |
| 23 | 352 Structures and Improvements..... | 1,584,212.00 | | | | | 1,584,212.00 |
| 24 | 353 Station Equipment..... | 5,774,683.00 | | | | | 5,774,683.00 |
| 25 | 354 Towers and Fixtures..... | 86,169.00 | | | | | 86,169.00 |
| 26 | 355 Poles and Fixtures..... | 105,937.00 | | | | | 105,937.00 |
| 27 | 356 Overhead Conductors and Devices... | 84,890.00 | | | | | 84,890.00 |
| 28 | 357 Underground Conduits..... | 44,048.00 | | | | | 44,048.00 |
| 29 | 358 Underground Conductors and Devices | 38,468.00 | | | | | 38,468.00 |
| 30 | 359 Roads and Trails..... | | | | | | |
| 31 | **Total Transmission Plant** | **7,743,423.00** | **0.00** | **0.00** | **0.00** | **0.00** | **7,743,423.00** |

Annual Report of: Town of Reading Municipal Light Department — Year ended December 31, 2014

## 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) |
|---|---|---|---|---|---|---|---|
| | Balance carried over from page 8A | 7,743,423.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7,743,423.00 |
| 1 | **4. DISTRIBUTION PLANT** | | | | | | |
| 2 | 360 Land and Land Rights | 843,454.00 | | | | | 843,454.00 |
| 3 | 361 Structures and Improvements | 5,060,192.00 | 51,627.00 | | | | 5,111,819.00 |
| 4 | 362 Station Equipment | 10,328,837.00 | 440.00 | | | | 10,329,277.00 |
| 5 | 363 Storage Battery Equipment | 38,158.00 | 12,681.00 | | | | 50,839.00 |
| 6 | 364 Poles, Towers and Fixtures | 24,792,742.00 | 925,764.00 | 120,117.00 | | | 25,598,389.00 |
| 7 | 365 Overhead Conductors and Devices | 17,661,480.00 | 611,873.00 | 147,227.00 | | | 18,126,126.00 |
| 8 | 366 Underground Conduits | 7,875,631.00 | 84,893.00 | 1,144.00 | | | 7,959,380.00 |
| 9 | 367 Underground Conductors & Devices | 8,539,521.00 | 455,073.00 | 90,251.00 | | | 8,904,343.00 |
| 10 | 368 Line Transformers | 9,657,122.00 | 507,319.00 | 169,980.00 | | | 9,994,461.00 |
| 11 | 369 Services | 5,688,809.00 | 42,467.00 | | | | 5,731,276.00 |
| 12 | 370 Meters | 4,754,736.00 | 87,406.00 | 178,227.00 | | | 4,663,915.00 |
| 13 | 371 Installation on Cust's Premises | 0.00 | | | | | 0.00 |
| 14 | 372 Leased Prop. on Cust's Premises | 0.00 | | | | | 0.00 |
| 15 | 373 Street Light and Signal Systems | 2,523,052.00 | 50,561.00 | 26,397.00 | | | 2,547,216.00 |
| 16 | Total Distribution Plant | 97,763,734.00 | 2,830,104.00 | 733,343.00 | | | 99,860,495.00 |
| 17 | **5. GENERAL PLANT** | | | | | | |
| 18 | 389 Land and Land Rights | 397,372.00 | | | | | 397,372.00 |
| 19 | 390 Structures and Improvements | 7,535,009.00 | 13,568.00 | | | | 7,548,577.00 |
| 20 | 391 Office Furniture and Equipment | 6,993,699.00 | 269,828.00 | 12,550.00 | | | 7,250,977.00 |
| 21 | 392 Transportation Equipment | 4,560,768.00 | 445,692.00 | 420,690.00 | | | 4,585,770.00 |
| 22 | 393 Stores Equipment | 105,376.00 | | | | | 105,376.00 |
| 23 | 394 Tools, Shop and Garage Equipment | 507,349.00 | 5,140.00 | | | | 512,489.00 |
| 24 | 395 Laboratory Equipment | 468,916.00 | 23,843.00 | | | | 492,759.00 |
| 25 | 396 Power Operated Equipment | 0.00 | | | | | 0.00 |
| 26 | 397 Communication Equipment | 2,614,114.00 | 120,854.00 | | | | 2,734,968.00 |
| 27 | 398 Miscellaneous Equipment | 134,681.00 | 48,469.00 | | | | 183,150.00 |
| 28 | 399 Other Tangible Property | 0.00 | | | | | 0.00 |
| 29 | Total General Plant | 23,317,284.00 | 927,394.00 | 433,240.00 | | | 23,811,438.00 |
| 30 | Total Electric Plant in Service | 128,824,441.00 | 3,757,498.00 | 1,166,583.00 | 0.00 | 0.00 | 131,415,356.00 |
| 31 | | | | TOTAL COST OF PLANT..... | | | |
| 32 | | | | | | | |
| 33 | | | | Less Cost of Land, Land Rights, and Rights of Way | | | 1,265,842.00 |
| 34 | | | | Total Cost upon which depreciation is based | | | 130,149,514.00 |

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.

Annual Report of the Town of Reading Municipal Light Department — Year ended December 31, 2014

## 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 | 69,875,363.00 | 69,697,353.00 | (178,010.00) |
| 3 | 101 Utility Plant- Gas | | | |
| 4 | 123 Investment in Associated Companies | 31,379.00 | 26,994.00 | (4,385.00) |
| 5 | **Total Utility Plant** | **69,906,742.00** | **69,724,347.00** | **(182,395.00)** |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | **FUND ACCOUNTS** | | | |
| 12 | 125 Sinking Funds | | | |
| 13 | 126 Depreciation Fund (P. 14) | 4,555,866.00 | 5,638,141.00 | 1,082,275.00 |
| 14 | 128 Other Special Funds | 850,000.00 | 1,292,906.00 | 442,906.00 |
| 15 | **Total Funds** | **5,405,866.00** | **6,931,047.00** | **1,525,181.00** |
| 16 | **CURRENT AND ACCRUED ASSETS** | | | |
| 17 | 131 Cash (P. 14) | 22,120,976.00 | 25,720,914.00 | 3,599,938.00 |
| 18 | 132 Special Deposits | 719,657.00 | 835,190.00 | 115,533.00 |
| 19 | 132 Working Funds | 3,000.00 | 3,000.00 | 0.00 |
| 20 | 141 Notes and Receivables | | | |
| 21 | 142 Customer Accounts Receivable | 6,871,701.00 | 8,493,074.00 | 1,621,373.00 |
| 22 | 143 Other Accounts Receivable | 212,759.00 | 148,167.00 | (64,592.00) |
| 23 | 146 Receivables from Municipality | | | |
| 24 | 151 Materials and Supplies (P. 14) | 1,519,286.00 | 1,429,545.00 | (89,741.00) |
| 25 | | | | |
| 26 | 165 Prepayments | 1,515,070.00 | 2,099,150.00 | 584,080.00 |
| 27 | 174 Miscellaneous Current Assets | | | |
| 28 | **Total Current and Accrued Assets** | **32,962,449.00** | **38,729,040.00** | **5,766,591.00** |
| 29 | **DEFERRED DEBITS** | | | |
| 30 | 181 Unamortized Debt Discount | 0.00 | 0.00 | 0.00 |
| 31 | 182 Extraordinary Property Debits | | | |
| 32 | 185 Other Deferred Debits | 650,612.00 | (2,785,053.00) | (3,435,665.00) |
| 33 | **Total Deferred Debits** | **650,612.00** | **(2,785,053.00)** | **(3,435,665.00)** |
| 34 | | | | |
| 35 | **Total Assets and Other Debits** | **108,925,669.00** | **112,599,381.00** | **3,673,712.00** |

## 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..... | 119,304.00 | 119,304.00 | 0.00 |
| 5 | 206 Loans Repayment..... | 15,403,000.00 | 15,403,000.00 | 0.00 |
| 6 | 207 Appropriations for Construction Repayment.. | | | |
| 7 | 208 Unappropriated Earned Surplus (P. 12)..... | 75,718,681.00 | 78,709,746.00 | 2,991,065.00 |
| 8 | **Total Surplus.....** | **91,240,985.00** | **94,232,050.00** | **2,991,065.00** |
| 9 | LONG TERM DEBT | | | |
| 10 | 221 Bonds (P. 6)..... | 0.00 | 0.00 | 0.00 |
| 11 | 231 Notes Payable (P. 7)..... | | | |
| 12 | **Total Bonds and Notes.....** | **0.00** | **0.00** | **0.00** |
| 13 | CURRENT AND ACCRUED LIABILITIES | | | |
| 14 | 232 Accounts Payable..... | 5,501,090.00 | 5,862,851.00 | 361,761.00 |
| 15 | 234 Payables to Municipality..... | | | |
| 16 | 235 Customer Deposits..... | 719,657.00 | 835,190.00 | 115,533.00 |
| 17 | 236 Taxes Accrued..... | | | |
| 18 | 237 Interest Accrued..... | 52,044.00 | 2,083.00 | (49,961.00) |
| 19 | 242 Miscellaneous Current and Accrued Liabilities | 2,885,368.00 | 2,918,871.00 | 33,503.00 |
| 20 | **Total Current and Accrued Liabilities...** | **9,158,159.00** | **9,618,995.00** | **460,836.00** |
| 21 | DEFERRED CREDITS | | | |
| 22 | 251 Unamortized Premium on Debt..... | | | |
| 23 | 252 Customer Advance for Construction..... | 399,624.00 | 565,058.00 | 165,434.00 |
| 24 | 253 Other Deferred Credits..... | | | |
| 25 | **Total Deferred Credits** | **399,624.00** | **565,058.00** | **165,434.00** |
| 26 | RESERVES | | | |
| 27 | 260 Reserves for Uncollectable Accounts..... | 228,141.00 | 261,912.00 | 33,771.00 |
| 28 | 261 Property Insurance Reserve..... | | | |
| 29 | 262 Injuries and Damages Reserves..... | | | |
| 30 | 263 Pensions and Benefits..... | | | |
| 31 | 265 Miscellaneous Operating Reserves..... | | | |
| 32 | **Total Reserves.....** | **228,141.00** | **261,912.00** | **33,771.00** |
| 33 | CONTRIBUTIONS IN AID OF CONSTRUCTION | | | |
| 34 | 271 Contributions in Aid of Construction..... | 7,898,760.00 | 7,921,366.00 | 22,606.00 |
| 35 | **Total Liabilities and Other Credits** | **108,925,669.00** | **112,599,381.00** | **3,673,712.00** |

State below if any earnings of the Municipal Lighting Plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

## STATEMENT OF INCOME FOR THE YEAR

| Line No. | Account (a) | Current Year | Increase or (Decrease) from Preceding Year |
|---|---|---|---|
| 1 | **OPERATING INCOME** | | |
| 2 | 400 Operating Revenue (P. 37) | **88,216,289.00** | **9,287,682.00** |
| 3 | **Operating Expenses:** | | |
| 4 | 401 Operation Expense (P. 42) | 75,226,892.00 | 5,640,262.00 |
| 5 | 402 Maintenance Expense (P. 42) | 3,302,551.00 | 394,691.00 |
| 6 | 403 Depreciation Expense | 3,820,550.00 | 97,918.00 |
| 7 | 407 Amortization of Property Losses | | |
| 9 | 408 Taxes (P. 49) | 1,397,507.00 | 473.00 |
| 10 | **Total Operating Expenses** | **83,747,500.00** | **6,133,344.00** |
| 11 | Operating Income | | |
| 12 | 414 Other Utility Operating Income (P. 50) | | |
| 13 | | | |
| 14 | **Total Operating Income** | **4,468,789.00** | **3,154,338.00** |
| 15 | **OTHER INCOME** | | |
| 16 | 415 Income from Merchandising, Jobbing, and Contract Work (P. 51) | 336,849.00 | (61,015.00) |
| 17 | 419 Interest Income | 168,336.00 | 137,795.00 |
| 18 | 421 Miscellaneous Income | | |
| 19 | **Total Other Income** | **505,185.00** | **76,780.00** |
| 20 | **Total Income** | **4,973,974.00** | **3,231,118.00** |
| 21 | **MISCELLANEOUS INCOME DEDUCTIONS** | | |
| 22 | 425 Miscellaneous Change in Accounting Principle | | |
| 23 | 426 Other Income Deductions | | |
| 24 | **Total Income Deductions** | **0.00** | **0.00** |
| 25 | **Income before Interest Charges** | **4,973,974.00** | **3,231,118.00** |
| 26 | **INTEREST CHARGES** | | |
| 27 | 427 Interest on Bonds and Notes | | |
| 28 | 428 Amortization of Debt Discount and Expense | | |
| 29 | 429 Amortization of Premium on Debt | | |
| 30 | 431 Other Interest Expense | 1,347.00 | 124.00 |
| 31 | 432 Interest Charged to Construction-Credit | | |
| 32 | **Total Interest Charges** | **1,347.00** | **124.00** |
| 33 | **Net Income** | **4,972,627.00** | **3,230,994.00** |

## EARNED SURPLUS

| Line No. | (a) | Debits (b) | Credits (c) |
|---|---|---|---|
| 34 | Unappropriated Earned Surplus (at beginning of period) | | **75,718,681.00** |
| 35 | | | |
| 36 | | | |
| 37 | 433 Balance Transferred from Income | | 4,972,627.00 |
| 38 | 434 Miscellaneous Credits to Surplus (P. 21) | | 454,507.00 |
| 39 | 435 Miscellaneous Debits to Surplus (P. 21) | 135,851.00 | |
| 40 | 436 Appropriations of Surplus (P. 21) | 2,317,042.00 | |
| 41 | 437 Surplus Applied to Depreciation | | 16,824.00 |
| 42 | 208 Unappropriated Earned Surplus (at end of period) | 78,709,746.00 | |
| 43 | | | |
| 44 | **TOTALS** | **81,162,639.00** | **81,162,639.00** |

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

| Line No. | Items (a) | Amount (b) |
|---|---|---|
| 1 | Operation Fund | 25,720,914.00 |
| 2 | Interest Fund | |
| 3 | Bond Fund | |
| 4 | Construction Fund | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | TOTAL | 25,720,914.00 |

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

| Line No. | Account (a) | Amount End of Year Electric (b) | Amount End of Year 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) | 1,429,545.00 | |
| 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** | 1,429,545.00 | |

## Depreciation Fund Account (Account 126)

| Line No. | (a) | Amount (b) |
|---|---|---|
| 24 | **DEBITS** | |
| 25 | Balance of Account at Beginning of Year | 4,555,866.00 |
| 26 | Income During Year from Balance on Deposit | 19,223.00 |
| 27 | Amount Transferred from Income | 3,820,550.00 |
| 28 | TOTAL | 8,395,639.00 |
| 29 | | |
| 30 | **CREDITS** | |
| 31 | Amount expended for Construction Purposes (Sec. 57C164 of G.L.) | 2,757,498.00 |
| 32 | Amounts Expended for Renewals | |
| 33 | Adjustment | |
| 34 | | |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | Balance on Hand at End of Year | |
| 40 | TOTAL | 5,638,141.00 |

## 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 the utility plant accounts should be shown in 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** | | | | | | |
| 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 and Engine Driven Generators | | | | | | |
| 11 | 314 Turbogenerator Units | | | | | | |
| 12 | 315 Accessory Electric Equipment | | | | | | |
| 13 | 316 Miscellaneous Power Plant | | | | | | |
| 14 | Equipment | | | | | | |
| 15 | **Total Steam Production Plant** | | | | | | |
| 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** | | | | | | |

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** | | | | | | |
| 10 | **D. Other Production Plant** | | | | | | |
| 11 | 340 Land and Land Rights..... | | | | | | |
| 12 | 341 Structures and Improvements..... | | | | | | |
| 13 | 342 Fuel Holders,Producers and Accessories..... | | | | | | |
| 14 | 343 Prime Movers..... | | | | | | |
| 15 | 344 Generators..... | | | | | | |
| 16 | 345 Accessory Electric Equipment..... | | | | | | |
| 17 | 346 Miscellaneous Power Plant Equipment..... | | | | | | |
| 18 | **Total Other Production Plant** | | | | | | |
| 19 | **Total Production Plant** | | | | | | |
| 20 | **3. TRANSMISSION PLANT** | | | | | | |
| 21 | 350 Land and Land Rights..... | 25,015.00 | | | | | 25,015.00 |
| 22 | 351 Clearing Land and Rights of Way.. | 0.00 | | | | | 0.00 |
| 23 | 352 Structures and Improvements..... | 751,424.00 | | 28,379.00 | | | 723,045.00 |
| 24 | 353 Station Equipment..... | 4,607,165.00 | | 159,443.00 | | | 4,447,722.00 |
| 25 | 354 Towers and Fixtures..... | 0.00 | | 0.00 | | | 0.00 |
| 26 | 355 Poles and Fixtures..... | 0.00 | | 0.00 | | | 0.00 |
| 27 | 356 Overhead Conductors and Device.. | 20,362.00 | | 1,122.00 | | | 19,240.00 |
| 28 | 357 Underground Conduits..... | 8,421.00 | | 1,270.00 | | | 7,151.00 |
| 29 | 358 Underground Conductors and Dev.. | 2,898.00 | | 1,154.00 | | | 1,744.00 |
| 30 | 359 Roads and Trails..... | 0.00 | | | | | 0.00 |
| 31 | **Total Transmission Plant** | **5,415,285.00** | **0.00** | **191,368.00** | **0.00** | **0.00** | **5,223,917.00** |

## UTILITY PLANT - ELECTRIC (continued)

| Line No. | Account (a) | Balance Beginning of Year (b) | Additions (c) | Depreciation (d) | Other Credits (e) | Adjustments Transfers (f) | Balance End of Year (g) |
|---|---|---|---|---|---|---|---|
| 1 | **4. DISTRIBUTION PLANT** | | | | | | |
| 2 | 360 Land and Land Rights | 843,454.00 | | | | | 843,454.00 |
| 3 | 361 Structures and Improvements | 2,973,398.00 | 51,627.00 | 126,415.00 | | | 2,898,610.00 |
| 4 | 362 Station Equipment | 4,818,450.00 | 440.00 | 187,506.00 | | | 4,631,384.00 |
| 5 | 363 Storage Battery Equipment | 16,430.00 | 12,681.00 | 1,134.00 | | | 27,977.00 |
| 6 | 364 Poles and Fixtures | 16,691,123.00 | 925,764.00 | 719,656.00 | | | 16,897,231.00 |
| 7 | 365 Overhead Conductors and Devices | 14,642,330.00 | 611,873.00 | 496,246.00 | | | 14,757,957.00 |
| 8 | 366 Underground Conduits | 3,498,573.00 | 84,893.00 | 233,781.00 | | | 3,349,685.00 |
| 9 | 367 Underground Conductors and Devices | 4,401,060.00 | 455,073.00 | 269,058.00 | | | 4,587,075.00 |
| 10 | 368 Line Transformers | 4,752,917.00 | 507,319.00 | 309,475.00 | | 32,038.00 | 4,918,723.00 |
| 11 | 369 Services | 2,155,676.00 | 42,467.00 | 177,878.00 | | | 2,020,265.00 |
| 12 | 370 Meters | 3,467,681.00 | 87,406.00 | 151,259.00 | | 82,920.00 | 3,320,908.00 |
| 13 | 371 Installation on Cust's Premises | | | | | | |
| 14 | 372 Leased Prop. on Cust's Premises. | | | | | | |
| 15 | 373 Street Light and Signal Systems | 774,092.00 | 50,561.00 | 78,919.00 | | | 745,734.00 |
| 16 | **Total Distribution Plant** | **59,035,184.00** | **2,830,104.00** | **2,751,327.00** | **0.00** | **114,958.00** | **58,999,003.00** |
| 17 | **5. GENERAL PLANT** | | | | | | |
| 18 | 389 Land and Land Rights | 397,372.00 | 0.00 | | | | 397,372.00 |
| 19 | 390 Structures and Improvements | 2,512,235.00 | 13,568.00 | 233,168.00 | | | 2,292,635.00 |
| 20 | 391 Office Furniture and Equipment | 268,524.00 | 269,828.00 | 154,709.00 | | | 383,643.00 |
| 21 | 392 Transportation Equipment | 893,981.00 | 445,692.00 | 367,767.00 | | | 971,906.00 |
| 22 | 393 Stores Equipment | 17,745.00 | 0.00 | 4,570.00 | | | 13,175.00 |
| 23 | 394 Tools, Shop and Garage Equipment. | 5,288.00 | 5,140.00 | 2,181.00 | | | 8,247.00 |
| 24 | 395 Laboratory Equipment | 152,181.00 | 23,843.00 | 15,217.00 | | | 160,807.00 |
| 25 | 396 Power Operated Equipment | 0.00 | | | | | |
| 26 | 397 Communication Equipment | 1,159,984.00 | 120,854.00 | 95,781.00 | | | 1,185,057.00 |
| 27 | 398 Miscellaneous Equipment | 17,584.00 | 48,469.00 | 4,462.00 | | | 61,591.00 |
| 28 | 399 Other Tangible Property | | | | | | |
| 29 | **Total General Plant** | **5,424,894.00** | **927,394.00** | **877,855.00** | **0.00** | **0.00** | **5,474,433.00** |
| 30 | **Total Electric Plant in Service** | **69,875,363.00** | **3,757,498.00** | **3,820,550.00** | **0.00** | **114,958.00** | **69,697,353.00** |
| 31 | 104 Utility Plant Leased to Others | 0.00 | | | | | 0.00 |
| 32 | 105 Property Held for Future Use | 0.00 | | | | | 0.00 |
| 33 | 107 Construction Work in Progress | 0.00 | | | | | 0.00 |
| 34 | **Total Utility Electric Plant** | **69,875,363.00** | **3,757,498.00** | **3,820,550.00** | **0.00** | **114,958.00** | **69,697,353.00** |

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

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

| Line No. | Item (a) | Total Cost (b) | Kinds of Fuel and Oil | | | |
|---|---|---|---|---|---|---|
| | | | Quantity (c) | Cost (d) | Quantity (e) | Cost (f) |
| 1 | On Hand Beginning of year | | | | | |
| 2 | Received During Year | | | | | |
| 3 | TOTAL | | | | | |
| 4 | Used During Year (Note A) | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | Sold or Transferred | | | | | |
| 12 | TOTAL DISPOSED OF | | | | | |
| 13 | BALANCE END OF YEAR | | | | | |

| Line No. | Item (g) | Kinds of Fuel and Oil – Continued | | | |
|---|---|---|---|---|---|
| | | Quantity (h) | Cost (I) | Quantity (j) | Cost (k) |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | | | | | |

## MISCELLANEOUS NON-OPERATING INCOME (Account 421)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | TOTAL | |

## OTHER INCOME DEDUCTIONS (Account 426)

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

## MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 15 | | |
| 16 | Various Refunds (MMWEC) | 454,507.00 |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | TOTAL | 454,507.00 |

## MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 24 | | |
| 25 | | |
| 26 | Loss on Disposal of Electric Plant Utility | 135,851.00 |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | TOTAL | 135,851.00 |

## APPROPRIATIONS OF SURPLUS (Account 436)

| Line No. | Item (a) | Amount (b) |
|---|---|---|
| 33 | | |
| 34 | Transfer to Town of Reading | 2,317,042.00 |
| 35 | | |
| 36 | | |
| 37 | | |
| 38 | | |
| 39 | | |
| 40 | TOTAL | 2,317,042.00 |

## 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 | | | | | |
| 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 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | 444 | Municipal: (Other than Street Lighting) | 24,623,290 | 2,492,295.00 | 0.1012 |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | Municipal Street Lighting | 2,897,449 | 370,239.00 | 0.1278 |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 19 | | TOTALS | 27,520,739 | 2,862,534.00 | 0.1040 |

## PURCHASED POWER (Account 555)

| Line No. | Names of Utilities from which Electric Energy is Purchased (a) | Where and at What Voltage Received (b) | K.W.H. (c) | Amount (d) | Cost per K.W.H. cents [0.0000] (e) |
|---|---|---|---|---|---|
| 20 | MMWEC Projects | | 176,054,386 | 15,586,829.00 | 0.0885 |
| 21 | J P Morgan | | 93,436,010 | 5,785,662.00 | 0.0619 |
| 22 | Nextera | | 109,112,200 | 10,082,386.00 | 0.0924 |
| 23 | HQ Phase 2 Companies | | 0 | 225,746.00 | 0.0000 |
| 24 | ISO-NE/REMVEC | | 83,375,241 | 15,141,909.00 | 0.1816 |
| 25 | BP Energy | | 113,970,630 | 5,501,352.00 | 0.0483 |
| 27 | National Grid | | 34,976 | 6,196.00 | 0.1772 |
| 28 | Middleton | | 130,238 | 18,754.00 | 0.1440 |
| 29 | Braintree Watson | | 7,511,910 | 2,073,450.00 | 0.2760 |
| 30 | Swift River Projects | | 16,957,556 | 1,715,644.00 | 0.1012 |
| 31 | Exelon | | 107,470,930 | 4,708,134.00 | 0.0000 |
| 32 | Deferred Fuel | | | 3,433,840.00 | |
| | | TOTALS | 708,054,077 | 64,279,902.00 | 0.0908 |

## 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 (d) | Revenues per K.W.H. [cents] [0.0000] (e) |
|---|---|---|---|---|---|
| 32 | NStar | Customer Premises | 3,436,280 | 413,174.00 | 0.1202 |
| 33 | Town of Wakefield | Customer Premises | 796,854 | 68,824.00 | 0.0864 |
| 34 | Town of Middleton | Customer Premises | 10,422 | 1,263.00 | 0.1212 |
| 35 | | | | | |
| 36 | | | | | |
| 37 | | | | | |
| 38 | | | | | |
| 39 | | | | | |
| 40 | | | | | |
| 41 | | TOTALS | 4,243,556 | 483,261.00 | 0.1139 |

## 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 | 27,940,537.00 | (3,238,294.00) | 251,278,858 | (4,422,173) | 26,197 | 201 |
| 3 | 442 Commercial and Industrial Sales: | 37,196,842.00 | (4,604,775.00) | 398,424,965 | (8,567,170) | 2,897 | 15 |
| 4 | Small (or Commercial) see instr. 5 | | | | | | |
| 5 | Large (or Industrial) see instr. 5 | | | | | | |
| 6 | 444 Municipal Sales (P.22) | 2,862,534.00 | (140,826.00) | 27,520,739 | 174,175 | 285 | 2 |
| 7 | 445 Other Sales to Public Authorities | | | | | | |
| 8 | 446 Sales to Railroads and Railways | | | | | | |
| 9 | 448 Interdepartmental Sales | | | | | | |
| 10 | 449 Miscellaneous Electric Sales | 101,496.00 | 33,269.00 | 933,534 | 47,314 | 262 | 2 |
| | 449.1 Provision for Rate Refunds/PPA | 18,025,044.00 | 17,836,308.00 | | | | |
| 11 | **Total Sales to Ultimate Consumers** | **86,126,453.00** | **9,885,682.00** | **678,158,096** | (12,767,854) | **29,641** | **220** |
| 12 | 447 Sales for Resale | 483,261.00 | 38,378.00 | 4,243,556 | (1,353,273) | 20 | 0 |
| 13 | **Total Sales of Electricity*** | **86,609,714.00** | **9,924,060.00** | **682,401,652** | (14,121,127) | **29,661** | **220** |
| 14 | **OTHER OPERATING REVENUES** | | | | | | |
| 15 | 450 Forfeited Discounts | 841,576.00 | (30,611.00) | | | | |
| 16 | 451 Miscellaneous Service Revenues (ECC) | 673,844.00 | (6,247.00) | | | | |
| 17 | 453 Sales of Water and Water Power | | | *Includes revenues from application of fuel clauses | | | **35,945,383.00** |
| 18 | 454 Rent from Electric Property | | | | | | |
| 19 | 455 Interdepartmental Rents | | | Total KWH to which applied | | | **682,401,652** |
| 20 | 456 Other Electric Revenues (GAW) | 91,155.00 | (599,520.00) | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | Total Other Operating Revenues | **1,606,575.00** | **(636,378.00)** | | | | |
| 26 | Total Electric Operating Revenues. | **88,216,289.00** | **9,287,682.00** | | | | |

## 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) Jul-14 (e) | Dec-14 (f) |
|---|---|---|---|---|---|---|---|
| 1 | Residential - A | | 251,278,858 | 27,940,537.00 | 0.1112 | 26,196 | 26,117 |
| 2 | Industrial - C | | 398,424,965 | 37,196,842.00 | 0.0934 | 2,894 | 2,909 |
| 3 | Municipal - C | | 24,623,290 | 2,492,295.00 | 0.1012 | 267 | 269 |
| 4 | Street Lighting | | 2,897,449 | 370,239.00 | 0.1278 | 18 | 18 |
| 5 | Private Street Lighting | | 933,534 | 101,496.00 | 0.1087 | 261 | 263 |
| 6 | | | | | | | |
| 7 | Provision for Purchased Power Adjustments | | 0 | 18,025,044.00 | | | |
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| 47 | | | | | | | |
| 48 | TOTAL SALES TO ULTIMATE | | | | | | |
| 49 | CONSUMERS (Page 37 Line 11) | | 678,158,096 | 86,126,453.00 | 0.1270 | 29,636 | 29,576 |

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) |
|---|---|---|---|
| 1 | **POWER PRODUCTION EXPENSE** | | |
| 2 | **STEAM POWER GENERATION** | | |
| 3 | **Operation:** | | |
| 4 | 500 Operation Supervision and Engineering | | |
| 5 | 501 Fuel | | |
| 6 | 502 Steam Expense | | |
| 7 | 503 Steam from Other Sources | | |
| 8 | 504 Steam Transferred -- Cr. | | |
| 9 | 505 Electric Expenses | | |
| 10 | 506 Miscellaneous Steam Power Expenses | | |
| 11 | 507 Rents | | |
| 12 | **Total Operation** | 0.00 | 0.00 |
| 13 | **Maintenance:** | | |
| 14 | 510 Maintenance Supervision and Engineering | | |
| 15 | 511 Maintenance of Structures | | |
| 16 | 512 Maintenance of Boiler Plant | | |
| 17 | 513 Maintenance of Electric Plant | | |
| 18 | 514 Maintenance of Miscellaneous Steam Plant | | |
| 19 | **Total Maintenance** | 0.00 | 0.00 |
| 20 | **Total Power Production Expenses -- Steam Power** | 0.00 | 0.00 |
| 21 | **NUCLEAR POWER GENERATION** | | |
| 22 | **Operation:** | | |
| 23 | 517 Operation Supervision and Engineering | | |
| 24 | 518 Fuel | | |
| 25 | 519 Coolants and Water | | |
| 26 | 520 Steam Expense | | |
| 27 | 521 Steam from Other Sources | | |
| 28 | 522 Steam Transferred -- Cr. | | |
| 29 | 523 Electric Expenses | | |
| 30 | 524 Miscellaneous Nuclear Power Expenses | | |
| 31 | 525 Rents | | |
| 32 | **Total Operation** | 0.00 | 0.00 |
| 33 | **Maintenance:** | | |
| 34 | 528 Maintenance Supervision and Engineering | | |
| 35 | 529 Maintenance of Structures | | |
| 36 | 530 Maintenance of Reactor Plant Equipment | | |
| 37 | 531 Maintenance of Electric Plant | | |
| 38 | 532 Maintenance of Miscellaneous Nuclear Plant | | |
| 39 | **Total Maintenance** | 0.00 | 0.00 |
| 40 | **Total Power Production Expenses -- Nuclear Power** | 0.00 | 0.00 |
| 41 | **HYDRAULIC POWER GENERATION** | | |
| 42 | **Operation:** | | |
| 43 | 535 Operation Supervision and Engineering | | |
| 44 | 536 Water for Power | | |
| 45 | 537 Hydraulic Expenses | | |
| 46 | 538 Electric Expenses | | |
| 47 | 539 Miscellaneous Hydraulic Power Generation Expenses | | |
| 48 | 540 Rents | | |
| 49 | **Total Operation** | 0.00 | 0.00 |

(continued on page 40)

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) |
|---|---|---|---|
| 1 | **HYDRAULIC POWER GENERATION - CONTINUED** | | |
| 2 | **Maintenance:** | | |
| 3 | 541 Maintenance Supervision and Engineering | | |
| 4 | 542 Maintenance of Structures | | |
| 5 | 543 Maintenance of Reservoirs, Dams and Waterways | | |
| 6 | 544 Maintenance of Electric Plant | | |
| 7 | 545 Maintenance of Miscellaneous Hydraulic Plant | | |
| 8 | **Total Maintenance** | 0.00 | 0.00 |
| 9 | **Total Power Production Expenses - Hydraulic Power** | 0.00 | 0.00 |
| 10 | **OTHER POWER GENERATION** | | |
| 11 | **Operation:** | | |
| 12 | 546 Operation Supervision and Engineering | | |
| 13 | 547 Fuel | 35,945,383.00 | 4,453,147.00 |
| 14 | 548 Operation Expenses | | |
| 15 | 549 Miscellaneous Other Power Generation Expenses | | |
| 16 | 550 Rents | | |
| 17 | **Total Operation** | 35,945,383.00 | 4,453,147.00 |
| 18 | **Maintenance:** | | |
| 19 | 551 Maintenance Supervision and Engineering | | |
| 20 | 552 Maintenance of Structure | | |
| 21 | 553 Maintenance of Generating and Electric Plant | | |
| 22 | 554 Maintenance of Miscellaneous Other Power Generation Plant | | |
| 23 | **Total Maintenance** | 0.00 | 0.00 |
| 24 | **Total Power Production Expenses - Other Power** | 0.00 | 0.00 |
| 25 | **OTHER POWER SUPPLY EXPENSES** | | |
| 26 | 555 Purchased Power | 16,722,417.00 | (1,015,107.00) |
| 27 | 556 System Control and Load Dispatching | | |
| 28 | 557 Other Expenses | 50,555.00 | 52,092.00 |
| 29 | **Total Other Power Supply Expenses** | 16,772,972.00 | (963,015.00) |
| 30 | **Total Power Production Expenses** | 52,718,355.00 | 3,490,132.00 |
| 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 | 11,561,546.00 | 847,666.00 |
| 39 | 566 Miscellaneous Transmission Expenses | | |
| 40 | 567 Rents | | |
| 41 | **Total Operation** | 11,561,546.00 | 847,666.00 |
| 42 | **Maintenance:** | | |
| 43 | 568 Maintenance Supervision and Engineering | 2,725.00 | 0.00 |
| 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** | 2,725.00 | 0.00 |
| 50 | **Total Transmission Expenses** | 11,564,271.00 | 847,666.00 |

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

| Line No. | Account (a) | Amount for Year (b) | Increase or (Decrease) from Preceding Year (c) |
|---|---|---|---|
| 1 | DISTRIBUTION EXPENSES | | |
| 2 | Operation: | | |
| 3 | 580 Operation Supervision and Engineering | 520,370.00 | 19,219.00 |
| 4 | 581 Load Dispatching | 935,217.00 | 98,421.00 |
| 5 | 582 Station Expenses | 495,357.00 | 41,232.00 |
| 6 | 583 Overhead Line Expenses | | |
| 7 | 584 Underground Line Expenses | | |
| 8 | 585 Street Lighting and Signal System Expenses | 81,966.00 | 8,994.00 |
| 9 | 586 Meter Expenses | 207,544.00 | 7,972.00 |
| 10 | 587 Customer Installations Expenses | | |
| 11 | 588 Miscellaneous Distribution Expenses | 424,129.00 | 68,638.00 |
| 12 | 589 Rents | | |
| 13 | Total Operation | 2,664,583.00 | 244,476.00 |
| 14 | Maintenance: | | |
| 15 | 590 Maintenance Supervision and Engineering | 392,423.00 | 224,428.00 |
| 16 | 591 Maintenance of Structures | | |
| 17 | 592 Maintenance of Station Equipment | | |
| 18 | 593 Maintenance of Overhead Lines | 1,844,777.00 | 268,938.00 |
| 19 | 594 Maintenance of Underground Lines | 206,422.00 | (10,053.00) |
| 20 | 595 Maintenance of Line Transformers | 79,038.00 | (118,159.00) |
| 21 | 596 Maintenance of Street Lighting and Signal Systems | | |
| 22 | 597 Maintenance of Meters | 1,225.00 | (32,794.00) |
| 23 | 598 Maintenance of Miscellaneous Distribution Plant | | |
| 24 | Total Maintenance | 2,523,885.00 | 332,360.00 |
| 25 | Total Distribution Expenses | 5,188,468.00 | 576,836.00 |
| 26 | CUSTOMER ACCOUNTS EXPENSES | | |
| 27 | Operation: | | |
| 28 | 901 Supervision | | |
| 29 | 902 Meter Reading Expenses | 13,037.00 | (31,665.00) |
| 30 | 903 Customer Records and Collection Expenses | 1,590,867.00 | 94,837.00 |
| 31 | 904 Uncollectable Accounts | 89,834.00 | 38,914.00 |
| 32 | 905 Miscellaneous Customer Accounts Expenses | | |
| 33 | Total Customer Accounts Expenses | 1,693,738.00 | 102,086.00 |
| 34 | SALES EXPENSES | | |
| 35 | Operation: | | |
| 36 | 911 Supervision | | |
| 37 | 912 Demonstrating and Selling Expenses | | |
| 38 | 913 Advertising Expenses | | |
| 39 | 916 Miscellaneous Sales Expense | 959,060.00 | (32,431.00) |
| 40 | Total Sales Expenses | 959,060.00 | (32,431.00) |
| 41 | ADMINISTRATIVE AND GENERAL EXPENSES | | |
| 42 | Operation: | | |
| 43 | 920 Administrative and General Expenses | 843,999.00 | 25,276.00 |
| 44 | 921 Office Supplies and Expenses | 317,052.00 | 22,091.00 |
| 45 | 922 Administrative Expenses Transferred - Cr. | | |
| 46 | 923 Outside Services Employed | 443,996.00 | (198,761.00) |
| 47 | 924 Property Insurance | 348,660.00 | (10,452.00) |
| 48 | 925 Injuries and Damages | 46,036.00 | 3,743.00 |
| 49 | 926 Employees Pensions and Benefits | 3,283,627.00 | 1,146,653.00 |
| 50 | 928 Regulatory Commission Expenses | | |
| 51 | 929 Duplicate Charges - Cr. | | |
| 52 | 930 Miscellaneous General Expenses | 138,319.00 | (19,630.00) |
| 53 | 931 Rents | 207,921.00 | 19,413.00 |
| 54 | Total Operation | 5,629,610.00 | 988,333.00 |

## 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 | | 775,941.00 | 62,331.00 |
| 4 | **Total Maintenance** | | **775,941.00** | **62,331.00** |
| 5 | **Total Administrative and General Expenses** | | **6,405,551.00** | **1,050,664.00** |

## SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

| Line No. | Functional Classification (a) | OPERATION (b) | MAINTENANCE (c) | TOTAL (d) |
|---|---|---|---|---|
| 6 | Power Production Expenses | | | |
| 7 | Electric Generation | | | |
| 8 | Steam Power | | | |
| 9 | Nuclear Power | | | |
| 10 | Hydraulic Power | | | |
| 11 | Other Power | 35,945,383.00 | | 35,945,383.00 |
| 12 | Other Power Supply Expenses | 16,772,972.00 | | 16,772,972.00 |
| 13 | **Total Power Production Expenses** | **52,718,355.00** | | **52,718,355.00** |
| 14 | Transmission Expenses | 11,561,546.00 | 2,725.00 | 11,564,271.00 |
| 15 | Distribution Expenses | 2,664,583.00 | 2,523,885.00 | 5,188,468.00 |
| 16 | Customer Accounts Expenses | 1,693,738.00 | | 1,693,738.00 |
| 17 | Sales Expenses | 959,060.00 | | 959,060.00 |
| 18 | Administrative and General Expenses | 5,629,610.00 | 775,941.00 | 6,405,551.00 |
| 19 | | | | |
| 20 | **Total Electric Operation and Maintenance Expenses** | **75,226,892.00** | **3,302,551.00** | **78,529,443.00** |

21 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) ..... 93.35%

22 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts ..... 7,614,570.41

23 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) ..... 72

## TAXES CHARGED DURING YEAR

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

| Line No. | Kind of Tax (a) | Total Taxes Charged During Year (omit cents) (b) | Distribution of Taxes Charged (omit cents) (Show utility department where applicable and account charged) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Electric (Acct. 408, 409) (c) | Gas (Acct. 408,409) (d) | (e) | (f) | (g) | (h) | (i) | (j) |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | Voluntary Payment to Towns | 1,397,507.00 | 1,397,507.00 | | | | | | | |
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| 27 | | | | | | | | | | |
| 28 | TOTAL | 1,397,507.00 | 1,397,507.00 | | | | | | | |

## OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

| Line No. | Property (a) | Amount of Investment (b) | Amount of Revenue (c) | Amount of Operating Expenses (d) | Gain or (Loss) from Operation (e) |
|---|---|---|---|---|---|
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| 49 | | | | | |
| 50 | | | | | |
| 51 | TOTALS | | | | |

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

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

| Line No. | Item (a) | Electric Department (c) | Gas Department (d) | Other Utility Department (d) | Total (e) |
|---|---|---|---|---|---|
| 1 | Revenues: | | | | |
| 2 | Merchandising Sales, less Discounts, | | | | |
| 3 | Allowances and Returns..... | 414,525.00 | | | 414,525.00 |
| 4 | Contract Work - Street Lights..... | | | | |
| 5 | Commissions..... | | | | |
| 6 | Other (List according to major classes) | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | Total Revenues..... | 414,525.00 | | | 414,525.00 |
| 11 | | | | | |
| 12 | | | | | |
| 13 | Costs and Expenses: | | | | |
| 14 | Cost of Sales (List according to major | | | | |
| 15 | classes of cost)..... | 77,676.00 | | | 77,676.00 |
| 16 | | | | | |
| 17 | Labor | | | | |
| 18 | Materials | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| 26 | Sales Expenses..... | | | | |
| 27 | Customer Accounts Expenses..... | | | | |
| 28 | Administrative and General Expenses..... | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |
| 34 | | | | | |
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| 45 | | | | | |
| 46 | | | | | |
| 47 | | | | | |
| 48 | | | | | |
| 49 | | | | | |
| 50 | TOTAL COSTS AND EXPENSES | 77,676.00 | | | 77,676.00 |
| 51 | Net Profit (or Loss) | 336,849.00 | | | 336,849.00 |

## SALES FOR RESALE (Acccount 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) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP;other G, and place an "x" in column (c) if sale involves export across a state line.

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

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

| Line No. | Sales to | Statistical Classification | Export Across State Lines | Point of Delivery | Substation | Kw or Kva of Demand (Specify which) | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Contract Demand | Average Monthly Maximum Demand | Annual Maximum Demand |
| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
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| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | None | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
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| 25 | | | | | | | | |
| 26 | | | | | | | | |
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| 41 | | | | | | | | |
| 42 | | | | | | | | |

## SALES FOR RESALE (Account 447) - Continued

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

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

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

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

| Type of Demand Reading (i) | Voltage at which Delivered (j) | Kilowatt-hours (k) | Revenue (Omit Cents) Demand Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | Revenue per Kwh (cents) [0.0000] (p) | Line No. |
|---|---|---|---|---|---|---|---|---|
| | | | None | | | | | 1 |
| | | | | | | | | 2 |
| | | | | | | | | 3 |
| | | | | | | | | 4 |
| | | | | | | | | 5 |
| | | | | | | | | 6 |
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| | | | | | | | | 40 |
| | | | | | | | | 41 |
| | TOTALS | | | | | | | 42 |

## 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 | Peaking Project | O | | Town Line | | 24,981 | KW | |
| 2 | Intermediate Project | O | | Town Line | | 42,925 | KW | |
| 3 | Nuclear Mix One - Seabrook | O | X | Town Line | | 293 | KW | |
| 4 | Nuclear Mix One - Millstone 3 | O | X | Town Line | | 2,893 | KW | |
| 5 | Nuclear Project Three | O | X | Town Line | | 2,057 | KW | |
| 6 | Nuclear Project Four | O | X | Town Line | | 6,802 | KW | |
| 7 | Nuclear Project Five | O | X | Town Line | | 824 | KW | |
| 8 | NYPA | O | X | Town Line | | 4,019 | KW | |
| 9 | JP Morgan | FP | X | Town Line | | - | | |
| 10 | Nextera | FP | X | Town Line | | 60,000 | KW | |
| 11 | HQ Phase I Trans Supp VEC | O | X | Town Line | | - | | |
| 12 | HQ Phase I Trans Supp NEE | O | X | Town Line | | - | | |
| 13 | HQ Phase 2 | O | X | Town Line | | 4,673 | KW | |
| 14 | REMVEC | O | X | Town Line | | - | | |
| 15 | ISO-NE / LNS | O | X | Town Line | | 49,825 | KW | |
| 16 | ISO-NE Other | O | X | Town Line | | - | | |
| 17 | BP Energy | FP | X | Town Line | | - | | |
| 18 | Summit Hydropower | FP | | Town Line | | - | | |
| 19 | National Grid Resales | O | | Town Line | | - | | |
| 20 | COOP Resales | O | | Town Line | | - | | |
| 21 | Deferred Fuel | O | | Town Line | | - | | |
| 22 | Swift River Hydro Projects | FP | | Town Line | | - | | |
| 23 | Braintree Watson Unit | FP | | Town Line | | 10,520 | KW | |
| 24 | Constellation | FP | X | Town Line | | - | | |
| 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
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| 37 | | | | | | | | |
| 38 | | | | | | | | |
| 39 | | | | | | | | |
| 40 | | | | | | | | |
| 41 | | | | | | | | |
| 42 | | | | | | | | |
| | TOTALS | | | | | 209,812 | | |

## 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 (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) Charges (l) | Energy Charges (m) | Other Charges (n) | Total (o) | Cents per KWH (cents) [0.0000] (p) | Line No. |
|---|---|---|---|---|---|---|---|---|
| 60 Minute | 115,000 | 1,845,940 | 588,363 | 280,647 | 28,352 | 897,362 | 0.4861 | 1 |
| 60 Minute | 115,000 | 28,540,826 | 1,819,475 | 3,280,669 | 28,522 | 5,128,666 | 0.1797 | 2 |
| 60 Minute | 115,000 | 2,435,997 | 106,143 | 17,425 | 154 | 123,722 | 0.0508 | 3 |
| 60 Minute | 115,000 | 22,035,109 | 1,133,519 | 150,614 | 19,841 | 1,303,974 | 0.0592 | 4 |
| 60 Minute | 115,000 | 19,232,890 | 1,274,971 | 107,802 | 14,141 | 1,396,914 | 0.0726 | 5 |
| 60 Minute | 115,000 | 51,032,342 | 3,396,835 | 395,197 | 3,496 | 3,795,528 | 0.0744 | 6 |
| 60 Minute | 115,000 | 6,822,943 | 441,622 | 48,891 | 431 | 490,944 | 0.0720 | 7 |
| 60 Minute | 115,000 | 25,244,678 | 199,359 | 124,204 | 800,222 | 1,123,785 | 0.0445 | 8 |
| 60 Minute | 115,000 | 93,436,010 | 0 | 5,785,662 | 0 | 5,785,662 | 0.0619 | 9 |
| 60 Minute | 115,000 | 109,112,200 | 4,023,000 | 6,059,386 | 0 | 10,082,386 | 0.0924 | 10 |
| 60 Minute | 115,000 | 0 | 10,187 | 0 | 0 | 10,187 | | 11 |
| 60 Minute | 115,000 | 0 | 5,888 | 0 | 0 | 5,888 | | 12 |
| 60 Minute | 115,000 | 0 | 209,671 | 0 | 0 | 209,671 | | 13 |
| 60 Minute | 115,000 | 0 | 0 | 9,163 | 0 | 9,163 | | 14 |
| 60 Minute | 115,000 | 83,375,241 | 2,129,338 | 4,080,065 | 10,716,943 | 16,926,346 | 0.2030 | 15 |
| 60 Minute | 115,000 | 0 | 0 | (1,793,601) | 0 | (1,793,601) | | 16 |
| 60 Minute | 115,000 | 113,970,630 | 0 | 5,501,352 | 0 | 5,501,352 | 0.0483 | 17 |
| 60 Minute | 115,000 | 18,863,661 | 0 | 1,325,935 | 0 | 1,325,935 | | 18 |
| 60 Minute | 115,000 | 34,976 | 0 | 6,196 | 0 | 6,196 | 0.1772 | 19 |
| 60 Minute | 115,000 | 130,238 | 0 | 18,754 | 0 | 18,754 | 0.1440 | 20 |
| 60 Minute | 115,000 | 0 | 0 | 3,433,840 | 0 | 3,433,840 | | 21 |
| 60 Minute | 115,000 | 16,957,556 | (1,752) | 1,717,396 | 0 | 1,715,644 | | 22 |
| 60 Minute | 115,000 | 7,511,910 | 1,385,798 | 687,652 | 0 | 2,073,450 | 0.2760 | 23 |
| 60 Minute | 115,000 | 107,470,930 | 0 | 4,708,134 | 0 | 4,708,134 | | 24 |
| | | | | | | | | 25 |
| | | | | | | | | 26 |
| | | | | | | | | 27 |
| | | | | | | | | 28 |
| | | | | | | | | 29 |
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| | | | | | | | | 35 |
| | | | | | | | | 36 |
| | | | | | | | | 37 |
| | | | | | | | | 38 |
| | | | | | | | | 39 |
| | | | | | | | | 40 |
| | | | | | | | | 41 |
| | TOTALS | 708,054,077 | 16,722,417 | 35,945,383 | 11,612,102 | 64,279,902 | 0.0908 | 42 |

## 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 | ISO-NE | NO | NEPEX | 115,000 | 83,375,241 | | 83,375,241 | 4,080,066 |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | TOTALS | 83,375,241 | 0 | 83,375,241 | 4,080,066 |

B. Details of Settlement for Interchange Power

| Line No. | Name of Company (i) | Explanation (j) | | | | | | Amount (k) |
|---|---|---|---|---|---|---|---|---|
| 13 | NEPEX | Kwh Received | Adjusted Net Interchange | | | | | 83,375,241 |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | Kwh Delivered | Adjusted Net Interchange | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | TOTALS | 83,375,241 |

## 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 | | | |
| 4 | Nuclear | | | |
| 5 | Hydro | | | |
| 6 | Other | | | |
| 7 | Total generation | | | |
| 8 | Purchases | | | 624,678,836 |
| 9 | | { In (gross) | 83,375,241 | |
| 10 | Interchanges | { Out (gross) | 0 | |
| 11 | | { Net (Kwh) | | |
| 12 | | { Received | | |
| 13 | Transmission for/by others (Wheeling. | { Delivered | | |
| 14 | | { Net (kwh) | | |
| 15 | TOTAL | | | 708,054,077 |
| 16 | DISPOSITION OF ENERGY | | | |
| 17 | Sales to ultimate consumers (including interdepartmental sales) | | | 678,158,096 |
| 18 | Sales for resale | | | 4,243,556 |
| 19 | Energy furnished without charge | | | |
| 20 | Energy used by the company (excluding station use) | | | |
| 21 | Electric department only | | | 801,600 |
| 22 | Energy losses: | | | |
| 23 | Transmission and conversion losses | | 24,850,825 | |
| 24 | Distribution losses | | | |
| 25 | Unaccounted for losses | | 0 | |
| 26 | Total energy losses | | | 24,850,825 |
| 27 | Energy losses as percent of total on line 15 | 3.51% | | |
| 28 | Losses within RMLD system | 0.00% | TOTAL | 708,054,077 |

## 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 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.

_____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 | 112,204 | Thursday | 2 | 1800 | Integrated | 61,774,795 |
| 30 | February | 105,961 | Thursday | 13 | 1900 | Integrated | 55,023,648 |
| 31 | March | 104,839 | Monday | 3 | 1900 | Integrated | 59,029,265 |
| 32 | April | 89,095 | Monday | 7 | 2000 | Integrated | 52,441,173 |
| 33 | May | 100,172 | Monday | 12 | 1800 | Integrated | 54,474,357 |
| 34 | June | 142,696 | Wednesday | 25 | 1600 | Integrated | 60,533,499 |
| 35 | July | 157,252 | Wednesday | 2 | 1600 | Integrated | 72,817,931 |
| 36 | August | 147,012 | Wednesday | 27 | 1600 | Integrated | 65,186,052 |
| 37 | September | 150,405 | Tuesday | 2 | 1500 | Integrated | 58,968,269 |
| 38 | October | 99,181 | Wednesday | 15 | 2000 | Integrated | 54,494,499 |
| 39 | November | 99,937 | Wednesday | 26 | 1800 | Integrated | 54,368,253 |
| 40 | December | 109,529 | Monday | 8 | 1800 | Integrated | 58,942,336 |
| 41 | | | | | | TOTAL | 708,054,077 |

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

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 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.)
2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.
4. If peak demand for 60 minutes is not available, give that which is available, specifying period.
5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.
6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.
7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501and

| Line No. | Item (a) | Plant (b) | Plant (c) | Plant (d) |
|---|---|---|---|---|
| 1 | Kind of plant (steam, hydro, int. com., gas turbine | | | |
| 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 Instuction 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 shold 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 tthe 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. |
|---|---|---|---|---|---|---|
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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, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent 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 | | | | | | | |
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Note Reference:

* Indicates reheat boilers thusly, 1050/1000.

## STEAM GENERATING STATIONS -- Continued

expenses ro 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 lesse, 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: At Minimum Hydrogen Pressure (l) | Name Plate Rating In Kilowatts: At Maximum Hydrogen Pressure (m) | Hydrogen Pressure**: Min. (n) | Hydrogen Pressure**: Max. (o) | Power Factor (p) | Voltage K.v.++ (q) | Station Capacity Maximum Name Plate Rating*+ (r) | Line No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
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Note references:
*Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section.
+ Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit ( T), and noncondensing (N.C.). Show back pressures.
** Designate air cooled generators.
++ If other than 3 phase, 60 cycle, indicate other characteristics.
*+ Shoule 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, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion therof, 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) |
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* Horizontal or vertical. Also inidcate 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 of 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 Kilowatts (o) | Number of Units in Station (p) | | |
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| | | | | | | TOTALS | | | | 39 |

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

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

| Line No. | Name of Station (a) | Location of Station (b) | Prime Movers | | | | |
|---|---|---|---|---|---|---|---|
| | | | Diesel or Other Type Engine (c) | Name of Maker (d) | Year Installed (e) | 2 or 4 Cycle (f) | Belted or Direct Connected (g) |
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**COMBUSTION ENGINE AND OTHER GENERATING STATIONS -- Continued**
(except nuclear stations)

ship by respodent, 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 of 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 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rated hp. of Unit (h) | Total Rated hp. of Station Prime Movers (i) | Year Installed (j) | Voltage (k) | Phase (l) | Frequency or d.c. (m) | Name Plate Rating of Unit in Kilowatts (n) | Number of Units in Station (o) | Total Installed Generating Capacity in Kilowatts (name plate ratings) (q) | Line No. |
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## 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 Commision, 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 (j) | | |
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| 28 | | TOTALS | | | | | | | | | | |

## TRANSMISSION LINE STATISTICS

Reposrt information concerning transmission lines as indicated below.

| Line No. | Designation From (a) | Designation To (b) | Operating Voltage (c) | Type of Supporting Structure (d) | Length (Pole Miles) On Structures of Line Designated (e) | Length (Pole Miles) On Structures of Another Line (f) | Number of Circuits (g) | Size of Conductor and Material (h) |
|---|---|---|---|---|---|---|---|---|
| 1 | Woburn/ | Causeway Rd. | 115 kV | Single | .46 Miles | No | 1.00 | 795 MCM |
| 2 | Reading | Reading | | Wood Poles | | | | ALL ALUM |
| 3 | 211-503 | | | | | | | |
| 4 | | | | | | | | |
| 5 | Woburn/ | Causeway Rd. | 115 kV | Single | .46 Miles | No | 1.00 | 795 MCM |
| 6 | Reading | Reading | | Wood Poles | | | | ALL ALUM |
| 7 | 211-504 | | | | | | | |
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* Where other than 60 cycle, 3 phase, so indicate.

## SUBSTATIONS

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

| Line No. | Name and Location of Substation (a) | Character of Substation (b) | VOLTAGE Primary (c) | VOLTAGE Secondary (d) | VOLTAGE Tertiary (e) | Capacity of Substation in Kva (in Service) (f) | Number Of Trans-formers in Service (g) | Number of Spare Trans-formers (h) | Conversion Apparatus and Special Equipment Type of Equipment (i) | Number Of Units (j) | Total Capacity (k) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | |
| 2 | Gaw Station - Causeway Rd., Reading | unattended dist. | 115 kv | 19,900 / 34,500 | — | 80,000 | 2 | 0 | | | |
| 3 | | | | | | | | | | | |
| 4 | | | 115 kv | 7,970 | — | 180,000 | 3 | 0 | | | |
| 5 | | | | 13,800 | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | — | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | Wildwood St., Wilmington | unattended dist. | 35,000 | 7,970 / 13,800 | — | 80,000 | 2 | 0 | — | — | — |
| 11 | | | | | | | | | | | |
| 12 | Chestnut St., North Reading | unattended dist. | 115 kv | 7,970 / 13,800 | — | 120,000 | 2 | 0 | — | — | — |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 16 | | | | | | | | | | | |
| 17 | | | All transformer ratings are at the top forced air rating. | | | | | | | | |
| 18 | | | | | | | | | | | |
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## OVERHEAD DISTRIBUTION LINES OPERATED

| Line No. | | Length (Pole Miles) | | |
|---|---|---|---|---|
| | | Wood Poles | Steel Towers | TOTAL |
| 1 | Miles - Beginning of Year | 335.22 | 0.00 | 335.22 |
| 2 | Added During Year | 0.11 | | 0.11 |
| 3 | Retired During Year | 0.09 | | 0.09 |
| 4 | Miles - End of Year | 335.24 | 0.00 | 335.24 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | Distribution System Characteristics - A.C. or D.C.,or Phase and Operating Voltages for Light and Power. | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | 3 Phase 4 Wire 4160 GRDY / 2400 | | | |
| 12 | 4 Phase 4 Wire 13800 GRDY / 7970 | | | |
| 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 | 29,908 | 31,076 | 4,446 | 296,161.0 |
| 17 | Additions during year: | | | | |
| 18 | Purchased | | 196 | 172 | 14,997.5 |
| 19 | Installed | 216 | | | |
| 20 | Associated with Utility Plant Acquired | | | | |
| 21 | **Total additions** | **216** | **196** | **172** | **14,997.5** |
| 22 | Reduction During Year: | | | | |
| 23 | Retirements | 161 | 431 | 147 | 6,841.0 |
| 24 | Associated with Utility Plant Sold | | | | |
| 25 | **Total Reductions** | **161** | **431** | **147** | **6,841.0** |
| 26 | **Number at End of Year** | **29,963** | **30,841** | **4,471** | **304,317.5** |
| 27 | In Stock | | 878 | 0 | 0.0 |
| 28 | Locked Meters on Customers' Premises | | | | |
| 29 | Inactive Transformers on System | | | | |
| 30 | In Customers' Use | | 29,963 | | |
| 31 | In Company's Use | | | | |
| 32 | **Number at End of Year** | | **30,841** | **4,471** | **304,317.5** |

## CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE – (Distribution System)

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

| Line No. | Designation of Underground Distribution System | Miles of Conduit Bank (All sizes and Types) | Underground Cable | | Submarine Cable | |
|---|---|---|---|---|---|---|
| | | | Miles* | Operating voltage | Feet* | Operating Voltage |
| | (a) | (b) | (c) | (d) | (e) | (f) |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
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| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |
| 34 | TOTALS | | | | | |

*Indicate number of conductors per cable.

## 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 | Reading | 2,393 | 0 | 0 | 6 | 0 | 0 | 0 | 2,387 | 0 |
| 2 | Lynnfield | 807 | 0 | 0 | 454 | 0 | 0 | 0 | 353 | 0 |
| 3 | North Reading | 1,326 | 0 | 0 | 84 | 0 | 0 | 0 | 1,242 | 0 |
| 4 | Wilmington | 2,640 | 0 | 0 | 790 | 0 | 0 | 0 | 1,850 | 0 |
| 52 | TOTALS | 7,166 | 0 | | 1,334 | | | | 5,832 | |

## 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 |
| | | N.B. NYPA CREDIT TOTALLED $686,348.00 | | |

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 228 supersedes**
**and cancels MDPU # 211**

## Residential Schedule A Rate

**Designation:**
Residential A Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$3.73 per month

**Energy Charge:**
$.08980 per Kilowatt-hour for all Kilowatt-hours usage

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Residential Schedule A Rate (cont'd)**

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges and the New York Power Authority credit or charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 229 supersedes**
**and cancels MDPU # 212**

## Residential Schedule RW
## Controlled Water Heater Rate

**Designation:**
Residential RW Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Terms of Use:**
When a customer regularly uses an electric water heater of a type approved by the Department. Service to the water heater will be controlled by a Department owned time switch in an approved outdoor socket. Internal wiring will be the responsibility of the customer. Water heater with two elements shall be interlocked to prevent simultaneous operation.

**Customer Charge:**
$3.74 per month.

**Energy Charge:**
$.08665 per Kilowatt-hour for the first 100 kWh
$.03931 per Kilowatt-hour for energy in excess of 100 kWh up to 433 kWh
$.08665 per Kilowatt-hour for energy in excess of 433 kWh

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

## Residential Schedule RW
## Controlled Water Heater Rate (Contd.)

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges and the New York Power Authority credit or charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 230 supersedes**
**and cancels MDPU # 222**

## Residential Time-of-Use Schedule A2 Rate

**Designation:**
Residential Time-of-Use A2 Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one On-Peak and Off-Peak meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$5.91 per month.

**Energy Charge:**
$.14346 per Kilowatt-hour for all Kilowatt-hours usage during the On-Peak hours.

$.04939 per Kilowatt-hour for all Kilowatt-hours usage during the Off-peak hours.

**Definition of Periods:**
The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M. Monday through Friday except holidays as listed under the "Granted Holidays" paragraph listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Controlled Water Heater Allowance:**
When a customer regularly uses an electric water heater of a type approved by the Department, 333 kWh will be credited to usage during the Off-Peak period and will be billed at $.03757 per kWh. All kWh used Off-Peak above 333 kWh will be charged at the regular Off-Peak rate. If less than 333 kWh are used Off-Peak then only that amount of kWh will be billed at $.03757 per kWh. Water heater with two elements shall be interlocked to prevent simultaneous operation. Service to the water heater will be controlled by a Department owned time switch in an approved outdoor socket.

**Term:**
A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Residential A Rate.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Residential Time-of-Use Schedule A2 Rate (cont'd)**

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges and the New York Power Authority credit or charge, only if the entire bill is paid-in-full by the discount due date.

**Granted Holidays**
Under the Residential Time-of-Use Schedule A2 Rate the holidays granted for Off-Peak are: New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 231 supersedes**
**and cancels MDPU # 223**

## Commercial Schedule C Rate

**Designation:**
Commercial C Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Notice:**
All customers taking electric service under the Commercial Schedule C Rate and/or the Industrial Time of Use Rate will be required to give the Department two (2) years prior written notice of its intention to take its energy requirements from another supplier and/or resource other than this Department while remaining on the Department's service territory.

**Character of service:**
AC 60 cycles: single phase or three phase.

**Customer Charge:**
$6.41 per month.

**Firm Demand Charge:**
$6.71 per Kilowatt for all demand usage.

**Energy Charge:**
$.05571 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**
The customers under the C Rate may elect the Budget Billing program under which the customer is required to pay the levelized amount to the Department each billing period during the calendar year. This rate is not available to C Rate Customers electing the Contract Demand Rate, or the Non-Firm Demand Rate. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

## Commercial Schedule C Rate (cont'd)

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Measurement of Billing Demand:**
The billing demand shall be the highest of the fifteen minute kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Non-Firm Demand:**
A Customer under this rate may designate any amount of load, in kilowatts, as Non-Firm. Any amount so designated shall be capable of being removed from service during any On-Peak hour as may be requested by the Department. A customer will be charged $4.32 per kW-month for each kilowatt of demand designated as Non-Firm demand. Failure to remove load designated as Non-Firm load shall result in a charge of $14.25 per kW of Non-Firm demand for that bill month.

The Department shall have the right to limit the requests for curtailment for Non-Firm load. The Department, at its option, may request separate metering for Non-Firm loads.

The energy and fuel portion of this Non-Firm Demand rate will be billed at the normal Commercial C rate levels.

A customer must contract to be on the Non-firm rate for a minimum of one year.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Commercial Schedule C Rate (cont'd)**

**Optional Contract Demand:**
The customer may contract for a specific demand requirement on the Optional Contract Demand rate. The customer shall select a demand level, which will cover its highest annual peak. The cost of the Contract Demand rate is $7.91 per kilowatts. The customer will be billed for that amount of kilowatts each month for the entire year. If in any month the customer exceeds the contract demand amount then, the contract demand will be billed at a rate of $14.25 per kilowatt. The contract demand level will be re-established at the higher billing amount.

The energy and fuel portion of the Optional Contract Demand will be billed in the same manner as the Industrial Time of Use rate and is described below:

$.09069 per kilowatt-hour for all kilowatt-hours used between 12:00 Noon and 7:00 P.M., Monday through Friday, excluding holidays.

$.02721 per kilowatt-hour for all kilowatt-hours used between 7:00 P.M. and 1200 Noon, Monday through Friday and all hours Saturday, Sunday and holidays as listed in the General Terms and Conditions.

A customer must contract to be on the Contract Demand rate for a minimum of one year.

The Department may, at its own discretion, move a customer exceeding the contract demand level to the general Commercial C Rate.

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2,000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

## Commercial Schedule C Rate (cont'd)

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill exclusive of the fuel charge but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 232 supersedes**
**and cancels MDPU # 224**

## Industrial Time-of-Use Schedule I Rate

**Designation:**
Industrial Time-of-Use I Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered using an electronic meter capable of metering On-Peak and Off-Peak energy as well as kW demand.

**Notice:**
All customers taking electric service under the Industrial Time-of-Use I Rate will be required to give the Department two (2) years prior written notice of its intention to take its energy requirements from another supplier and/or resource other than this Department while remaining on the Department's service territory.

**Character of service:**
A.C. 60 cycles: single phase or three phase.

**Customer Charge:**
$29.56 per month.

**Demand Charge:**
$8.48 per Kilowatt for all demand usage.

**Energy Charge:**
$.09069 per Kilowatt-hour for all Kilowatt-hours usage during the On-Peak hours.

$.02721 per Kilowatt-hour for all Kilowatt-hours usage during the Off-Peak hours.

**Definition of Periods:**
The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M., Monday through Friday except holidays as listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon, Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

## Industrial Time-of-Use Schedule I Rate (cont'd)

**Term:**
A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Commercial C Rate.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Measurement of Billing Demand:**
The Billing demand shall be the highest of the fifteen minute On Peak kilowatt demand established during the billing period, but not less than eighty percent of the maximum On Peak demand established during the preceding summer season or sixty percent of the maximum On Peak demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Industrial Time-of-Use Schedule I Rate (cont'd)**

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per Kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformer through which the service is furnished. In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill exclusive of the fuel charge but in no case will such discount be allowed if the metering voltage is less than 2,400 voltage

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**Granted Holidays**
Under the Industrial Time-of-Use Schedule I Rate the holidays granted for Off-Peak are; New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

# School Schedule SCH Rate

**Designation:**
School SCH Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Applicable to public or private schools offering kindergarten, regular elementary, middle, and high school as approved by the Department, who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Notice:**
All customers taking electric service under the School Rate will be required to give the Department two (2) years prior written notice of its intention to take its energy requirements from another supplier and/or resource other than this Department while remaining on the Department's service territory. This rate is not available to School Rate Customers electing the Contract Demand Rate, or the Non-Firm Demand Rate. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Character of service:**
AC 60 cycles: single phase or three phase.

**Customer Charge:**
$5.91 per month.

**Firm Demand Charge:**
$6.18 per Kilowatt for all demand usage.

**Energy Charge:**
$.05185 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**
The customers under the School Rate may elect the Budget Billing program under which the customer is required to pay levelized amount to the Department each billing period during the calendar year.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

## School Schedule SCH Rate (cont'd)

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Measurement of Billing Demand:**
The billing demand shall be the highest of the fifteen minute Kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill exclusive of the fuel charge but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

## School Schedule SCH Rate (cont'd)

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 234 supersedes**
**and cancels MDPU # 225**

## Street Lighting Rate Schedule D

**Designation:**
Street Light D Rate

**Available:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Street Light service on all public, private, and unaccepted streets where the Department has private facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole.

**Energy Charge:**
The rate per year for the standard 4,000-hour schedule is as follows:

| Fixture Type | Annual Rate | Annual kWh |
|---|---|---|
| 58 Watt Incandescent | $54.57 | 232 |
| 92 Watt Incandescent | $54.57 | 368 |
| 50 Watt HPS | $29.52 | 244 |
| 100 Watt HPS | $29.57 | 508 |
| 100 Watt Mercury | $40.75 | 520 |
| 100 Watt Mercury UG | $40.75 | 520 |
| 175 Watt Mercury | $41.09 | 860 |
| 250 Watt HPS | $54.38 | 1,228 |
| 400 Watt Mercury | $53.36 | 1,840 |
| 400 Watt HPS | $53.42 | 1,828 |

**Note:** Incandescent and Mercury lamps will no longer be supplied for new installations.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard fuel Adjustment Clause.

The Fuel Adjustment will appear on the bill as the monthly fuel charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

**Rate Filed: January 30, 2014**
**Effective: On Billings on or After February 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Street Lighting Rate Schedule D (cont'd)**

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

The Purchase power Adjustment will appear on the bill as the monthly charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

**Extra Pole Cost**
When an extra pole is required, specifically for street lighting, there will be an extra cost based upon pole size, including up to 100 feet of secondary.

| | |
|---|---|
| 30 foot or 35 foot Class 4 pole | $44.00 per year |
| 40 foot Class 4 pole | $48.00 per year |

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 235 supersedes**
**and cancels MDPU # 217**

## Cooperative Resale Schedule G Rate

**Designation:**
Cooperative G Rate

**Available in:**
Available to municipal lighting plants and private companies whose service territory is adjacent to the service territory of the Department and for distribution to such customers that cannot be served from the existing distribution lines, provided that the Department has available facilities for furnishing the service

**Character of Service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$3.44 per month.

**Energy Charge:**
$.08223 per Kilowatt-hour for all Kilowatt-hours usage.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: January 30, 2014**
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**Filed By: Coleen M. O'Brien, General Manager**

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 236 supersedes**
**and cancels MDPU # 219**

## Purchase Power Capacity and Transmission Charge

**Applicability:**
The Purchase Power Capacity and Transmission Charge, or the annual average base power supply base costs, shall be applied to all customers receiving service under any rate schedule of the Department.

**Power Cost Amount:**
The Purchase Power Capacity and Transmission Charge amount shall be the total amount of all power and transmission charges incurred by the Department, exclusive of fuel, for electric service to all customers. Such cost shall be computed periodically on actual or estimated power billings and divided by the total kilowatt-hour sales to all customers for that month. The resultant cost shall be rounded to the nearest $.00001/kilowatt-hour.

**Calculation of the Purchase Power Capacity and Transmission Charge:**
The Purchase Power Capacity and Transmission Charge shall equal the power cost amount. The resultant charge shall be applied to all bills in the following month.

**Other Charges and Credits:**
By order of the Reading Municipal Light Board, the Purchase Power Capacity and Transmission Charge may reflect additional one-time or irregular credits resulting from power refunds, out of period adjustments or reduced power reserve needs.

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**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 237 supersedes**
**and cancels MDPU # 228**

## Residential Schedule A Rate

**Designation:**
Residential A Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$3.73 per month

**Distribution Energy Charge:**
$.04880 per Kilowatt-hour for all Kilowatt-hours usage

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Low Income Discount**
The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

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**Filed By: Coleen M. O'Brien, General Manager**

## Residential Schedule A Rate (cont'd)

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 238 supersedes**
**and cancels MDPU # 229**

## Residential Schedule RW
## Controlled Water Heater Rate

**Designation:**
Residential RW Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Terms of Use:**
When a customer regularly uses an electric water heater of a type approved by the Department, service to the water heater will be controlled by a Department owned timing device. Customer also needs a customer owned internet connection. Internal wiring will be the responsibility of the customer. Water heater with two elements shall be interlocked to prevent simultaneous operation.

**Customer Charge:**
$3.74 per month.

**Distribution Energy Charge:**
$.03743 per Kilowatt-hour for all Kilowatt-hours usage

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

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**Filed By:** **Coleen M. O'Brien, General Manager**

## Residential Schedule RW
## Controlled Water Heater Rate (Contd.)

**Low Income Discount**
The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed:** **June 30, 2014**
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**Filed By:** **Coleen M. O'Brien, General Manager**

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 239 supersedes**
**and cancels MDPU # 230**

## Residential Time-of-Use Schedule A2 Rate

**Designation:**
Residential Time-of-Use A2 Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmingtonngton

**Applicable to:**
Individual residential customers for all domestic uses where service is taken through one On-Peak and Off-Peak meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$5.91 per month.

**Distribution Energy Charge:**
$.07271 per Kilowatt-hour for all Kilowatt-hours usage during the On-Peak hours.

$.01500 per Kilowatt-hour for all Kilowatt-hours usage during the Off-peak hours.

**Definition of Periods:**
The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M. Monday through Friday except holidays as listed under the "Granted Holidays" paragraph listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Controlled Water Heater Allowance:**
When a customer regularly uses an electric water heater of a type approved by the Department, 333 kWh will be credited to usage during the Off-Peak period and will be billed at $.00300 per kWh. All kWh used Off-Peak above 333 kWh will be charged at the regular Off-Peak rate. If less than 333 kWh are used Off-Peak then only that amount of kWh will be billed at $.00300 per kWh. Water heater with two elements shall be interlocked to prevent simultaneous operation. Service to the water heater will be controlled by a Department owned time switch in an approved outdoor socket.

**Term:**
A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Residential A Rate.

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**Filed By: Coleen M. O'Brien, General Manager**

**Residential Time-of-Use Schedule A2 Rate (cont'd)**

**Budget Billing:**
The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Low Income Discount**
The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission ChargeAdjustment:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission ChargeAdjustment.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

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**Filed By: Coleen M. O'Brien, General Manager**

**Residential Time-of-Use Schedule A2 Rate (cont'd)**

**Granted Holidays**
Under the Residential Time-of-Use Schedule A2 Rate the holidays granted for Off-Peak are: New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 240 supersedes**
**and cancels MDPU # 231**

## Commercial Schedule C Rate

**Designation:**
Commercial C Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Character of service:**
AC 60 cycles: single phase or three phase.

**Customer Charge:**
$6.41 per month.

**Distribution Demand Charge:**
$6.71 per Kilowatt for all demand usage.

**Distribution Energy Charge:**
$.01424 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**
The customers under the C Rate may elect the Budget Billing program under which the customer is required to pay the levelized amount to the Department each billing period during the calendar year. This rate is not available to C Rate Customers electing the Contract Demand Rate, or the Non-Firm Demand Rate. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

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**Filed By: Coleen M. O'Brien, General Manager**

**Commercial Schedule C Rate (cont'd)**

**Measurement of Billing Demand:**
The billing demand shall be the highest of the fifteen minute kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2,000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Commercial Schedule C Rate (cont'd)**

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 241 supersedes**
**and cancels MDPU # 232**

## Industrial Time-of-Use Schedule I Rate

**Designation:**
Industrial Time-of-Use I Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered using an electronic meter capable of metering On-Peak and Off-Peak energy as well as kW demand.

**Character of service:**
A.C. 60 cycles: single phase or three phase.

**Customer Charge:**
$29.56 per month.

**Distribution Demand Charge:**
$7.39 per Kilowatt for all demand usage.

**Definition of Periods:**
The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M., Monday through Friday except holidays as listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon, Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Term:**
A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Commercial C Rate.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

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**Filed By: Coleen M. O'Brien, General Manager**

## Industrial Time-of-Use Schedule I Rate (cont'd)

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Measurement of Billing Demand:**
The Billing demand shall be the highest of the fifteen minute On Peak kilowatt demand established during the billing period, but not less than eighty percent of the maximum On Peak demand established during the preceding summer season or sixty percent of the maximum On Peak demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**
Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per Kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformer through which the service is furnished. In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such discount be allowed if the metering voltage is less than 2,400 voltage

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**Filed By: Coleen M. O'Brien, General Manager**

**Industrial Time-of-Use Schedule I Rate (cont'd)**

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**Granted Holidays**
Under the Industrial Time-of-Use Schedule I Rate the holidays granted for Off-Peak are; New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 242 supersedes**
**and cancels MDPU # 233**

## School Schedule SCH Rate

**Designation:**
School SCH Rate

**Available in:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Applicable to public or private schools offering kindergarten, regular elementary, middle, and high school as approved by the Department, who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Character of service:**
AC 60 cycles: single phase or three phase.

**Customer Charge:**
$5.91 per month.

**Distribution Demand Charge:**
$6.18 per Kilowatt for all demand usage.

**Distribution Energy Charge:**
$.00975 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**
The customers under the School Rate may elect the Budget Billing program under which the customer is required to pay levelized amount to the Department each billing period during the calendar year.

**Energy Conservation Charge:**
The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

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## School Schedule SCH Rate (cont'd)

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Measurement of Billing Demand:**
The billing demand shall be the highest of the fifteen minute Kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**
The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Customer Transformer Ownership:**
A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**
The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**School Schedule SCH Rate (cont'd)**

**General Terms:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed:** **June 30, 2014**
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**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 243 supersedes**
**and cancels MDPU # 234**

## Private Street Lighting Rate Schedule D

**Designation:**
Street Light D Rate

**Available:**
Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**
Street and Area Light service on all public, private, and unaccepted streets and areas where the Department has facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole. This Schedule does not apply to Public Street Lighting Service supplied directly to the Municipalities.

**Energy Charge:**
The rate per year for the standard 4,000-hour schedule is as follows:

| Fixture Type | Annual Rate | Annual kWh |
|---|---|---|
| 100 Watt Mercury | $52.72 | 500 |
| 175 Watt Mercury | 58.60 | 860 |
| 400 Watt Mercury | 97.18 | 1,900 |
| 50 Watt HPS | 60.71 | 240 |
| 100 Watt HPS | 77.48 | 500 |
| 250 Watt HPS | 102.31 | 1,200 |
| 400 Watt HPS | 142.11 | 1,900 |
| 25 Watt LED | 51.16 | 110 |
| 42 Watt LED | 57.09 | 185 |
| 101Watt LED | 92.04 | 444 |
| 93 Watt LED Flood | 131.71 | 409 |
| 134 Watt LED Flood | 161.26 | 590 |

**Note:** Incandescent and Mercury lamps will no longer be supplied for new installations.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard fuel Adjustment Clause.

The Fuel Adjustment will appear on the bill as the monthly fuel charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

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## Private Street Lighting Rate Schedule D (cont'd)

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

The Purchase Power Capacity and Transmission Charge will appear on the bill as the monthly charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

**Extra Pole Cost**
When an extra pole is required, specifically for street lighting, there will be an extra cost based upon pole size, including up to 100 feet of secondary.

| | |
|---|---|
| 30 foot or 35 foot Class 4 pole | $44.00 per year |
| 40 foot Class 4 pole | $48.00 per year |

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the current bill, excluding Fuel and Purchased Power Capacity and Transmission Charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU # 244 supersedes**
**and cancels MDPU # 235**

## Cooperative Resale Schedule G Rate

**Designation:**
Cooperative G Rate

**Available in:**
Available to municipal lighting plants and private companies whose service territory is adjacent to the service territory of the Department and for distribution to such customers that cannot be served from the existing distribution lines, provided that the Department has available facilities for furnishing the service

**Character of Service:**
A.C. 60 cycles: single phase.

**Customer Charge:**
$3.44 per month.

**Distribution Energy Charge:**
$.04074 per Kilowatt-hour for all Kilowatt-hours usage.

**Fuel Adjustment:**
The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**
The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission.

**Meter Reading and Billing:**
Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**
Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2014**
**Effective: On Billings on or After July 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**Town of Reading, Massachusetts**
**Municipal Light Department**

**MDPU #245**

## Municipal Street Lighting Schedule F Formula Rate

**Designation:**

Street Light F Rate

**Available:**

Reading, Lynnfield Center, North Reading and Wilmington

**Applicable to:**

Public Street Lighting Service supplied directly to the Municipalities where the Department has private facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole.

**Energy Charge:**

The rate per kilowatt-hour will be determined annually using the following formula as set forth in Massachusetts General Law Chapter 164 Section 58:

$$\frac{\textit{Total Operating Expenses \& Interest on Outstanding Debt \& Depreciation Expense}}{\textit{Total kilowatt} - \textit{hours sold including street lighting}}$$

This rate will be calculated prior to each Fiscal Year based on budgeted expenses and kilowatt-hours and will be trued up to actual expenses and kilowatt-hours, with any adjustment being carried forward to the next Fiscal Year. For purposes of calculating the kilowatt-hours used by each type of fixture the following values will be used:

| Fixture Type | Annual KWh |
|---|---|
| 58 Watt Incandescent | 232 |
| 92 Watt Incandescent | 368 |
| 50 Watt HPS | 244 |
| 100 Watt HPS | 508 |
| 100 Watt Mercury | 520 |
| 175 Watt Mercury | 860 |
| 250 Watt HPS | 1,228 |
| 400 Watt Mercury | 1,840 |
| 400 Watt HPS | 1,828 |

**Note:** Incandescent and Mercury lamps will no longer be supplied for new installations.

**Rate Filed: June 30, 2014**
**Effective: July 1, 2014**
**Filed By: Coleen M. O'Brien, General Manager**

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

## General Terms & Conditions
## (For All Classes of Service)

These Terms and Conditions have been established to convey the conditions that the customer agrees to when requesting service from the Reading Municipal Light Department (Department). The benefits and obligations of these Terms and Conditions will commence on the day that the customer is connected to the Department's service.

1 a. All applications for new or restored electric service must be accurate, true, complete and signed. Applications can be made in person at the Department's office, by telephone, or over the internet at www.rmld.com, and signed via fax, mail or in person. A minimum of five (5) days notice is required, in situations where no major construction of special equipment or materials is required. In major construction cases, the customer must meet with the Department's personnel to discuss and determine construction schedules.

b. Advance deposits will be required as security payment of future electric bills from residential customers, and commercial/industrial customers, who have not established a satisfactory credit rating as determined by the Department, and from rental or lease tenants, temporary services and commercial/industrial customers.

c. The commercial/industrial customer deposit calculation is equivalent to the estimated total of the two (2) highest months of billing within a twelve-month period.

d. The deposit payment can be in the form of cash, check, debit card, credit card, or a surety bond that is acceptable to the Department. The deposit, less any amount owed to the Department for electric service, will be refunded when service is discontinued.

2 a. The supply of electric service is contingent upon the Department's ability to secure and retain the necessary locations for its poles, wires, conduits, cables, and other apparatus. All equipment furnished by the Department shall remain its property.

b. Beyond the point of connection to the Department's system, all wiring and other electrical equipment that is necessary in order to utilize the service shall be installed by the customer and shall comply with the Department's requirements and municipal authorities.

c. The characteristics of service available at each location will be determined by the Department and information relative thereto will be furnished upon request.

**General Terms & Conditions**
**(For All Classes of Service)**

d. Any electrical work such as new construction, service upgrade, service repair, temporary service, or service relocation will require a Utility Authorization Number (UAN) from the Department prior to the commencement of work. All such work will require a UAN number and the approval of the appropriate local authorities prior to the Department making its connections.

3. The applicant shall make an aid-in-construction payment when the supply of service involves the use of investment, which in the judgment of the Department would not otherwise be warranted by the estimated revenue to be obtained.

4 a. Temporary single phase 120\240 Volt, 100 AMP, 3 wire service connections for building construction or reconstruction purposes or where a permanent electric service would not result will be subject to a $275.00 service charge.

b. Any temporary service requirement in excess of Section 4a. will be estimated by the Department and paid-in-advance of construction.

c. Any temporary relocation of service drop conductors by the Department to accommodate building reconstruction that is not immediately connected to a new service entrance will be charged as a temporary service.

d. The relocation of service drop conductors performed by unauthorized personnel to accommodate building reconstruction is prohibited. Service drops found so relocated will be immediately disconnected if safety considerations, at the sole discretion of the Department, so warrant. Unauthorized relocations will be subject to financial penalties in addition to a temporary service fee.

5. a. Permanent overhead service attachments will be made without charge except where the Department determines one or more poles are required on private property. When required, the Department will furnish one pole and any additional poles, wires and labor shall be at the expense of the customer.

b. The customer must provide an attachment point at sufficient height on the structure to provide the required clearance in accordance with Massachusetts Electrical Code and local authorities. Poles necessary to provide height clearances not provided by the customer will be charged to the customer.

**General Terms & Conditions**
**(For All Classes of Service)**

6. Underground Services supplied from overhead systems will be installed and maintained at the customer's expense in accordance with the Department's approval and specification. A single underground service provided from a pole on a customer's property will not require a pullbox. Any underground service provided from a pole in the public way will require a pullbox provided by the Department. The pullbox will be installed by the customer within three feet of the front lot line along the service run. Only one set of underground service risers (electric, telephone, CATV, etc.) will be allowed on any one pole. The Department must be contacted for service arrangements.

7. Underground Distribution installations in new subdivisions will be in accordance with the Department specifications. Underground specifications will be provided to the developer or builder upon request. Two (2) copies of the preliminary plan maps of the proposed development must be submitted to the Department six months prior to the date that electric service is required. One month prior to the start of electric system construction one (1) reproducible reverse-read Mylar and a digital formatted file (if available) of the approved subdivision plan and profile must be submitted to the Department.

8. Services requiring transformers where pole mounting is not possible, the customer will be required to supply a pad location, primary and secondary conduits, and cables, etc. at the customers own expense. All materials used must meet the Department's specifications.

9. All meters will be furnished by the Department and shall be installed on meter sockets or troughs provided and wired by the customer. The Department's meter personnel shall designate meter locations and specifications. Residential meters will be located outside and easily accessible to the meter reader without having to enter a fenced in area.

10. All Facilities approved under RMLD Terms and Conditions for Simplified Process Interconnections, which can be obtain at the RMLD, qualify for net metering, as approved by the RMLD from time to time, and are necessary to implement the net metering provisions.

11. The Customer shall give the Department permission to enter their premises at all reasonable times for the purpose of installing, reading, inspecting, testing and keeping its equipment in repair. As well as for the discontinuance of service and the removal of any or all of its equipment used in connection with the supply of electricity.

**General Terms & Conditions**
**(For All Classes of Service)**

12. The Department will test single-phase meters free of charge, upon customers request, which have not been tested within a three-year period. However, if a customer requests an additional meter test within three years of the previous test, and the Department finds the meter to be correct according to Massachusetts General Laws (M.G.L.), Chapter 164, Section 120, then the customer requesting the test will be charged $85.00 for the test. If the meter is found to be in error then the test will be free of charge.

13. No one, unless duly authorized by the Department is permitted to remove or inspect any meter or other appliance belonging to the Department. Customers may be disconnected if the meter has been tampered with or by-passed so as not to record all consumption. Such customers will be subject to fines and punishment under the M.G.L., Chapter 164, Sections 127 and 127A.

14. The customer of record shall be responsible for all damage to or loss of the Department's property located upon his or her premises unless occasioned by circumstances beyond the customer's control.

15. a. All meters shall be read and bills rendered on a monthly basis. At any time that the Department is unable to obtain a meter reading, the consumption will be estimated on the best information available.

b. A prompt payment discount will be allowed on the current bill that applies to the Customer Charge, and any Distribution related charges, and only if the entire bill is paid-in-full by the discount due date. The Department offers several payment options via office visit, telephone, internet or conveniently location pay stations.

16. a. All bills shall be payable on a net basis upon receipt. If not paid within forty-five (45) days of date of bill, service will be disconnected after three (3) days written notice, and the following charges will be made for renewing the service when the bill is paid.

| | | | |
|---|---|---|---|
| Meter Shut Off | $85 | Pole Shut Off | $120 |

The above charges are calculated based on the Department's cost of service and in accordance with the Billing and Termination Procedures of the Massachusetts Department of Public Utilities C.M.R. 25, adopted October 4, 1984 in MDTE-1 63.

Rate Filed: June 30, 2014
Effective: On Billings on or After July 1, 2004
Filed By: Coleen M. O'Brien, General Manager

**General Terms & Conditions**
**(For All Classes of Service)**

b. Property owners on the Department's system are subject to the Massachusetts Municipal Lien Law, M.G.L., Chapter 164, Section 58B. This law allows municipal electric departments to attach a lien to properties if electric bills are not paid-in-full.

17. A $25.00 fee will be charge to the customer's bill for each check returned to the Department.

18 a. Equalized monthly payments are offered to customers electing to be billed under the Budget Bill Program. Customers must sign up for the option for a period of one year.

b. The Budget Bill Program runs from December through November or June through May. A contingency will be added to the average twelve-month usage to account for any fluctuation in customer usage or increase in the fuel charge adjustment. Customers will be billed as normal with the "Balance Due" portion of the bill reflecting the running true-up balance. Budget Bill Program customers are subject to the terms of Section 15 b. Prompt Payment Discount.

c. At the end of the twelve-month period, the account will be trued-up. Any positive balance will be paid by the customer to the Department, or any credit balance, at the customer's choice, will be paid to the customer by the Department or credited to the customer's next billing.

d. Customers electing to be bill under the Budget Bill Program after September 1, 2010 will subject to automatic electric payment withdrawal. The payments can be automatically withdrawn using credit card, debit card, or checking account.

19. All customers taking electric service under the Commercial Schedule C Rate and/or the Industrial Time of Use Rate will be required to give the Department two (2) years prior written notice of its intention to take its energy requirements from other suppliers and/or resources other than this Department while remaining on the Department's service territory.

20. The customer shall give the Department a 90-day advance written notice of load additions or changes that would result in a 25% increase above its original load projections. This is to allow the Department to make changes necessary to accommodate these new loads and continue adequate service.

21. The Department reserves the right to install load-limiting devices arranged to disconnect the service in the premises if the rated capacity of the Department's service is exceeded.

Rate Filed: June 30, 2014
Effective: On Billings on or After July 1, 2004
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**General Terms & Conditions**
**(For All Classes of Service)**

22. The Town of Reading, the Department, 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 Reading, nor the Department, nor any of their respective agents or employees shall be liable to any person or agent:

a. For any failure by the Department 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 the Department, the presence of the Department's apparatus or equipment, or any acts or omission of the Department.

c. For discontinuance of electric 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 the Department.

d. For discontinuance of electrical service if any equipment or apparatus of any customer interferes with service provided by the Department or the delivery of service to other customers or interferes with the integrity of the Department's system.

e. For any variation, or interruption in electrical service including without limitation, any such variation or discontinuance because of abnormal or reduced voltage, emergency load reduction programs, rotation of the use of feeders, blackouts, or any causes beyond the reasonable control of the Department, including, but not limited to, accidents, weather conditions, animals, conditions of fuel supplies, war, civil commotion, labor difficulties, acts of customers, or any public authority.

**General Terms & Conditions**
**(For All Classes of Service)**

23. The Department will discontinue its service on 24-hour notice and remove its property if the customer fails to comply with or perform any of the requirements or obligations of these terms and conditions. If equipment or apparatus owned by the customer interferes unduly with service to other customers of the Department, or is determined by the Department to pose a hazard to Department employees, or the general public, service will be discontinued as soon as practical.

24. Under the Time-of-Use Rate the holidays granted for off-peak are; New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY**

..... *Mayor.*

..... *Manager of Electric Light*
Coleen M. O'Brien, General Manager

..... *Selectmen*
David Talbot, Chair

..... *or*
Philip B. Pacino, Vice Chair

..... *Members*
Thomas O'Rourke

..... *of the Municipal*
John Stempeck

..... *Light Board*

Note: There was a vacant commissioner position as of 12/31/14.

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

Middlesex ss 3/26/15

Then personally appeared.. Coleen M. O'Brien

David Talbot

Philip B. Pacino

Thomas O'Rourke

John Stempeck

Commonwealth of Massachusetts
Notary Public
Jeanne M. Foti
My Commission Expires 3/12/2021

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

Jeanne M. Foti ..... *Notary Public or Justice of the Peace*