

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,

2013

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

Coleen M. O'Brien

Official Title: **General Manager**

Office Address: **230 Ash Street**

Reading, MA. 01867

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DEPARTMENT OF PUBLIC UTILITIES
COMMUNICATIONS SECTION

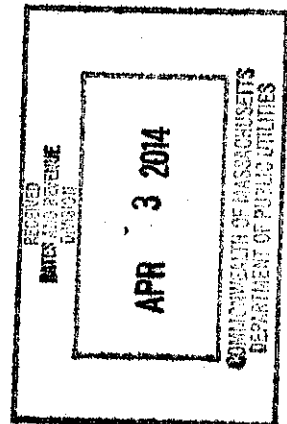


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GENERAL INFORMATION

- | | |
|--|--|
| 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 | James E. Bonazoli, Chairman
John Arena, Vice Chairman
Ben Tafoya, Secretary
Daniel Ensminger
Marsie K. West |
| 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: | John Stempeck, Chairman
Philip B. Pacino, Vice Chairman
Robert H. Soli, Secretary
David Mancuso
David Talbot |
| 8. Total valuation of estates in town (or city) according to last state valuation | \$3,829,312,775.00 |
| 9. Tax rate for all purposes during the year: | \$14.74 |
| 10. Amount of manager's salary: | \$165,000.00 |
| 11. Amount of manager's bond: | \$50,000.00 |
| 12. Amount of salary paid to members of municipal light board (each) | \$0.00 |

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

INCOME FROM PRIVATE CONSUMERS:		
1	From sales of gas.....	
2	From sales of electricity	81,814,197.00
3		
4	TOTAL	81,814,197.00
5	Expenses:	
6	For operation, maintenance and repairs.....	75,075,566.00
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund (3% on \$125,840,000.00).....	3,775,200.00
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13	TOTAL	78,850,766.00
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	10,266
		Lynnfield	3,126
		North Reading	6,715
		Wilmington	9,431
		Co-Op Resale	21
		TOTAL	29,559

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 2013 CONSTRUCTION HIGHLIGHTS

PEAK DEMAND

The Reading Municipal Light Department's (RMLD) system peak demand in calendar year 2013 was 167,759 kW occurring on Friday, July 19, 2013, at 4:00 pm. This was 2.74% lower than the highest peak demand of 172,493 kW set in August 2006. The RMLD purchased 720,875,669 kWh which represents a decrease of 0.15% over calendar year 2012.

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 2,000 feet of primary cable and 2,800 feet of secondary cable were installed on Chestnut Road, Auburn Road, and Bancroft Road.
- Approximately 1,400 feet of primary cable and 1,800 feet of secondary cable were installed on Pine Ridge Road and Pine Ridge Circle.
- Approximately 1,500 feet of primary cable and 1,500 feet of secondary cable were installed on Auburn Street.
- Approximately 700 feet of primary cable and 1,800 feet of secondary cable were installed on Pine Ridge Road and Pine Ridge Circle.

Commercial/Industrial:

Notable examples of new service additions or upgrades:

- Pierce Street Condominiums – Pierce Street
- Zinga – 30 Haven Street
- Ocean Glass Company – 143 Haven Street
- Portland Pie – 54 Haven Street

- JK Liquors – 212 Main Street
- Dunkin Donuts – 87 Walkers Brook Drive
- MF Charles Building – 610 to 628 Main Street

WILMINGTON

Circuit Upgrades:

- Approximately 7,500 feet of primary cable and approximately 8,000 feet of secondary cable were installed on Shady Hill Lane, Pinewood Avenue, Oakdale Road, Birchwood Road, Sprucewood Road, and Judith Road.
- Approximately 7,000 feet of primary cable and approximately 5,000 feet of secondary cable were installed on Federal Street, Grant Street, Wilson Street, Lincoln Street, Pershing Street, Liberty Street, Mackey Road, and Bancroft Street.
- Approximately 2,100 feet of primary cable were installed on Houghton Road and Andrew Street.
- Approximately 500 feet of primary cable and approximately 900 feet of secondary cable were installed on Bond Street.

Commercial/Industrial:

Notable examples of new service additions or upgrades:

- Commercial Building – 235 Andover Street
- Temporary Services for the new Wilmington High School
- Apartment Buildings – 10 Burlington Ave
- Super Cuts – 337 Main Street
- Granite Counter Tops – 200 Andover Street
- Commercial Building – 190 Main Street
- Honey Dew Donuts – 335 Main Street

NORTH READING

Circuit Upgrades:

- Approximately 700 feet of primary cable and 900 feet of secondary cable were installed on Cottage Road as part of an area upgrade project.

- Approximately 700 feet of primary cable and 900 feet of secondary cable were installed on Cottage Road as part of an area upgrade project.
- Approximately 1,500 circuit feet of primary underground cable was installed on Hemlock Road, Fox Run Lane, and Swan Pond Road as part of an area upgrade project.

Commercial/Industrial:

There were no notable new service additions or upgrades.

LYNNFIELD CENTER

Circuit Upgrades:

- The Department upgraded the underground distribution system on Trog Hawley Roads. This included the installation of seven (7) manholes and the replacement of 4,500 feet of conduit, 3,000 feet of primary cable, 1,200 feet of secondary cable and five (5) pad-mounted transformers.

Circuit Upgrades:

- Approximately 2,400 circuit feet of primary spacer cable and 3,200 feet of secondary cable were installed on Essex Street as part of an area upgrade project.

Commercial/Industrial:

There were no notable new service additions or upgrades

CUSTOMER CALLS

The Department answered approximately 1,404 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 44 pole damage cases as a result of motor vehicle accidents.

POLE REPLACEMENTS

The Department completed approximately 60 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 3,278 DIGSAFE calls.

METERS

Between the Meter and Line Departments, service upgrades, new construction, and renovations resulted in a total of 292 new overhead and underground residential and commercial/industrial services delineated as follows:

- Reading – 56 residential and 14 commercial/industrial
- Lynnfield – eight (8) residential; there were no commercial/industrial
- North Reading – 33 residential and 11 commercial/industrial
- Wilmington – 142 residential and 28 commercial/industrial

A total of 239 new residential services represent a 15% increase over new residential services (208) in calendar year 2012. A total of 53 commercial/industrial services were installed representing a 20% increase over the previous year's total of 44.

Three thousand, eight hundred and thirty-two (3,832) meters were replaced as part of the residential meter upgrade project and due to routine meter replacements.

TREE TRIMMING AND PREVENTATIVE MAINTENANCE

In 2013 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) and System Average Interruption Frequency Index (SAIFI) data established for the period of 2008-12. The CAIDI index is a measure of reliability for how long customers are without power during an interruption in service. The SAIFI index is a measure of how often customers experience an interruption in service. The number of Months Between Interruptions (MBTI) is a measurement of the monthly SAIFI total divided by twelve (months), representing the annual average. In 2013, the CAIDI rolling average was 48.61

minutes of outage and the SAIFI rolling average was 0.37, meaning on average an RMLD customer experiences an outage of 48.61 minutes every 32 months.

The SAIFI index continues to have a favorable reduction in the frequency of outage events from a service territory perspective. The downward trend of SAIFI is a direct result of system maintenance and upgrades tied to specific areas of the system that have experienced more frequent outages, enabling the RMLD to continue providing the most reliable service possible.

RENEWABLE ENERGY

RMLD is working with customers who wish to install renewable energy products. At the end of 2013, there were a total of 21 residential (120.15 kW) and three commercial (814.22 kW) sites generating solar energy within RMLD's service territory. In 2013 photovoltaic systems were added at nine residential locations (three in North Reading, five in Reading, and one in Wilmington). One commercial location was added in Wilmington.

FLEET & FACILITIES

Fleet:

In 2013 RMLD received the following new Line Department vehicles and equipment:

- one pole trailer received in March 2013
- two pick-up trucks both received in June 2013

Two pick-up trucks were ordered in October 2013 and will be received in 2014.

In 2013 RMLD ordered the following new Line Department vehicles and equipment which will be received in 2014:

- one 55-foot material handler was ordered in September.
- one first response bucket truck (Trouble Truck) was ordered in May.

A 2001 Ford Ranger (Vehicle 31) was determined to be surplus and was removed from the fleet.

The Facilities group completed dielectric testing of 18 Line Department vehicles. The Facilities group also performed preventive maintenance of 19 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.

Radio system upgrade project:

In 2013 a new radio system replaced the existing twenty-year old system. Due to the age of the existing system, outdated technology, and increasing maintenance issues, this radio system was becoming unreliable. The new radio system uses digital technology, offers significantly improved call quality, improved system coverage, and greater flexibility with additional talk channels providing less call congestion. The new system has proven to be reliable during storms, improving crew safety and response.

Facilities:

The Facilities group started the designer selection process in 2013 to select an engineering firm to provide engineering and project management support for the upgrade of the HVAC system in the main operations/office building. The designer will be providing support in the following three areas:

- study and value engineering
- engineering, design and construction documents
- construction/project management.

Significant upgrades were made to the security system at the Ash Street campus and three RMLD substations located in Reading, North Reading and Wilmington. These upgrades have improved monitoring of all facilities from the RMLD Control Room. During 2013 additional improvements for perimeter lighting were started at the Ash Street campus and other security related items were also completed.

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.

BONDS

(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of issue	Amount of Original Issue	Period of Payments		Rate	Interest When Payable	Amount Outstanding
			Amounts	When Payable			
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	Aug-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

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	Jan-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							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights.....						
9	311 Structures and Improvements.....						
10	312 Boiler Plant Equipment.....						
11	313 Engines and Engine Driven Generators.....						
12	314 Turbogenerator Units.....						
13	315 Accessory Electric Equipment.....						
14	316 Miscellaneous Power Plant 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...						

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 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.....	25,016.00					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

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	5,005,504.00	54,688.00				5,060,192.00
4	362 Station Equipment	10,200,905.00	127,932.00				10,328,837.00
5	363 Storage Battery Equipment	37,453.00	705.00				38,158.00
6	364 Poles, Towers and Fixtures	24,448,058.00	431,347.00	86,663.00			24,792,742.00
7	365 Overhead Conductors and Devices	17,171,656.00	754,503.00	264,679.00			17,661,480.00
8	366 Underground Conduits	7,676,668.00	199,656.00	683.00			7,875,631.00
9	367 Underground Conductors & Devices	8,274,431.00	284,383.00	19,293.00			8,539,521.00
10	368 Line Transformers	9,326,879.00	396,450.00	66,007.00			9,657,122.00
11	369 Services	5,547,075.00	141,734.00				5,688,809.00
12	370 Meters	4,880,914.00	600,332.00	726,510.00			4,754,736.00
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	2,509,512.00	35,162.00	21,622.00			2,523,052.00
16	Total Distribution Plant	95,922,299.00	3,026,892.00	1,185,457.00			97,763,734.00
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					7,535,009.00
20	391 Office Furniture and Equipment	6,671,896.00	330,053.00	8,250.00			6,993,699.00
21	392 Transportation Equipment	4,404,761.00	549,485.00	393,478.00			4,560,768.00
22	393 Stores Equipment	105,376.00					105,376.00
23	394 Tools, Shop and Garage Equipment	505,780.00	1,569.00				507,349.00
24	395 Laboratory Equipment	468,916.00					468,916.00
25	396 Power Operated Equipment	0.00					0.00
26	397 Communication Equipment	2,394,618.00	219,496.00				2,614,114.00
27	398 Miscellaneous Equipment	130,673.00	4,008.00				134,681.00
28	399 Other Tangible Property	0.00					0.00
29	Total General Plant	22,614,401.00	1,104,611.00	401,728.00			23,317,284.00
30	Total Electric Plant in Service	126,280,123.00	4,131,503.00	1,587,185.00	0.00	0.00	128,824,441.00
31							
32							
33							
34							

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.

TOTAL COST OF PLANT.....
 Less Cost of Land, Land Rights, and Rights of Way
 Total: Cost upon which depreciation is based
1,265,842.00
127,558,599.00

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.....	69,851,692.00	69,875,363.00	23,671.00
3	101 Utility Plant- Gas.....			
4	123 Investment in Associated Companies.....	46,958.00	31,379.00	(15,579.00)
5	Total Utility Plant.....	69,898,650.00	69,906,742.00	8,092.00
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	3,458,261.00	4,555,866.00	1,097,605.00
14	128 Other Special Funds.....	0.00	850,000.00	850,000.00
15	Total Funds.....	3,458,261.00	5,405,866.00	1,947,605.00
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	24,731,039.00	22,120,976.00	(2,610,063.00)
18	132 Special Deposits.....	659,170.00	719,657.00	60,487.00
19	132 Working Funds.....	3,000.00	3,000.00	0.00
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	7,993,773.00	6,871,701.00	(1,122,072.00)
22	143 Other Accounts Receivable.....	183,499.00	212,759.00	29,260.00
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	1,456,654.00	1,519,286.00	62,632.00
25				
26	165 Prepayments.....	1,975,135.00	1,515,070.00	(460,065.00)
27	174 Miscellaneous Current Assets			
28	Total Current and Accrued Assets...	37,002,270.00	32,962,449.00	(4,039,821.00)
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....	0.00	0.00	0.00
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....	1,053,547.00	650,612.00	(402,935.00)
33	Total Deferred Debits.....	1,053,547.00	650,612.00	(402,935.00)
34				
35	Total Assets and Other Debits.....	111,412,728.00	108,925,669.00	(2,487,059.00)

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).....	75,879,331.00	75,718,681.00	(160,650.00)
8	Total Surplus.....	91,401,635.00	91,240,985.00	(160,650.00)
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.....	6,467,114.00	5,501,090.00	(966,024.00)
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....	659,170.00	719,657.00	60,487.00
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....	1,388,110.00	52,044.00	(1,336,066.00)
19	242 Miscellaneous Current and Accrued Liabilities	2,986,360.00	2,885,368.00	(100,992.00)
20	Total Current and Accrued Liabilities...	11,500,754.00	9,158,159.00	(2,342,595.00)
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt.....			
23	252 Customer Advance for Construction.....	394,781.00	399,624.00	4,843.00
24	253 Other Deferred Credits.....			
25	Total Deferred Credits	394,781.00	399,624.00	4,843.00
26	RESERVES			
27	260 Reserves for Uncollectable Accounts.....	254,070.00	228,141.00	(25,929.00)
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....			
31	265 Miscellaneous Operating Reserves.....			
32	Total Reserves.....	254,070.00	228,141.00	(25,929.00)
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....	7,861,488.00	7,898,760.00	37,272.00
35	Total Liabilities and Other Credits	111,412,728.00	108,925,669.00	(2,487,059.00)

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.

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Annual Report of the Town of Reading Municipal Light Department

Year ended December 31, 2013

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)	78,928,607.00	(7,456,385.00)
3	Operating Expenses:		
4	401 Operation Expense (P. 42).....	69,586,630.00	(4,433,746.00)
5	402 Maintenance Expense (P. 42).....	2,907,860.00	(673,672.00)
6	403 Depreciation Expense	3,722,632.00	220,093.00
7	407 Amortization of Property Losses.....		
9	408 Taxes (P. 49).....	1,397,034.00	52,778.00
10	Total Operating Expenses	77,614,156.00	(4,834,547.00)
11	Operating Income.....		
12	414 Other Utility Operating Income (P. 50).....		
13			
14	Total Operating Income	1,314,451.00	(2,621,838.00)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)....	397,864.00	261,597.00
17	419 Interest Income.....	30,541.00	(69,597.00)
18	421 Miscellaneous Income.....		
19	Total Other Income	428,405.00	192,000.00
20	Total Income	1,742,856.00	(2,429,838.00)
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	1,742,856.00	(2,429,838.00)
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.....	1,223.00	2,785.00
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	1,223.00	2,785.00
33	Net Income	1,741,633.00	(2,432,623.00)
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of period).....		75,879,331.00
35			
36			
37	433 Balance Transferred from Income.....		1,741,633.00
38	434 Miscellaneous Credits to Surplus (P. 21).....		843,524.00
39	435 Miscellaneous Debits to Surplus (P. 21).....	504,315.00	
40	436 Appropriations of Surplus (P. 21).....	2,283,324.00	
41	437 Surplus Applied to Depreciation.....		41,832.00
42	208 Unappropriated Earned Surplus (at end of period).....	75,718,681.00	
43			
44	TOTALS	78,506,320.00	78,506,320.00

CASH BALANCES AT END OF YEAR (Account 131)		
Line No.	Items (a)	Amount (b)
1	Operation Fund.....	22,120,976.00
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	

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

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25).....	1,519,286.00	
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....		
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		

Depreciation Fund Account (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of Account at Beginning of Year.....	3,458,261.00
26	Income During Year from Balance on Deposit.....	6,475.00
27	Amount Transferred from Income.....	3,722,633.00
28	TOTAL	7,187,369.00
29		
30	CREDITS	
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.).....	2,631,503.00
32	Amounts Expended for Renewals.....	
33	Adjustment.....	
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	
40	TOTAL	4,555,866.00

UTILITY PLANT - ELECTRIC (continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	c. Hydraulic Production Plant						
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.....	779,801.00		28,377.00			751,424.00
24	353 Station Equipment.....	4,750,891.00		143,726.00			4,607,165.00
25	354 Towers and Fixtures.....	0.00					0.00
26	355 Poles and Fixtures.....	0.00					0.00
27	356 Overhead Conductors and Device..	21,485.00		1,123.00			20,362.00
28	357 Underground Conduits.....	9,691.00		1,270.00			8,421.00
29	358 Underground Conductors and Dev..	4,052.00		1,154.00			2,898.00
30	359 Roads and Trails.....	0.00					0.00
31	Total Transmission Plant	5,590,935.00	0.00	175,650.00	0.00	0.00	5,415,285.00

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.....	3,041,375.00	54,688.00	122,665.00			2,973,398.00
4	362 Station Equipment.....	4,875,229.00	127,932.00	184,711.00			4,818,450.00
5	363 Storage Battery Equipment.....	16,849.00	705.00	1,124.00			16,430.00
6	364 Poles and Fixtures.....	16,914,200.00	431,347.00	654,424.00			16,691,123.00
7	365 Overhead Conductors and Devices.....	14,368,133.00	754,503.00	480,306.00			14,642,330.00
8	366 Underground Conduits.....	3,521,122.00	199,656.00	222,205.00			3,498,573.00
9	367 Underground Conductors and Devices.....	4,368,019.00	284,383.00	251,342.00			4,401,060.00
10	368 Line Transformers.....	4,660,635.00	396,450.00	284,966.00		19,202.00	4,752,917.00
11	369 Services.....	2,182,450.00	141,734.00	168,508.00			2,155,676.00
12	370 Meters.....	3,381,148.00	600,332.00	147,802.00		365,997.00	3,467,681.00
13	371 Installation on Cust's Premises....						
14	372 Leased Prop. on Cust's Premises.....						
15	373 Street Light and Signal Systems.....	815,155.00	35,162.00	76,225.00			774,092.00
16	Total Distribution Plant	58,987,769.00	3,026,892.00	2,594,278.00	0.00	385,199.00	59,035,184.00
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	397,372.00	0.00				397,372.00
19	390 Structures and Improvements.....	2,745,807.00	0.00	233,572.00			2,512,235.00
20	391 Office Furniture and Equipment.....	162,664.00	330,053.00	224,193.00			268,524.00
21	392 Transportation Equipment.....	734,917.00	549,485.00	390,421.00			893,981.00
22	393 Stores Equipment.....	22,623.00	0.00	4,878.00			17,745.00
23	394 Tools, Shop and Garage Equipment.....	6,736.00	1,569.00	3,017.00			5,288.00
24	395 Laboratory Equipment.....	167,856.00	0.00	15,675.00			152,181.00
25	396 Power Operated Equipment.....						
26	397 Communication Equipment.....	1,019,458.00	219,496.00	78,970.00			1,159,984.00
27	398 Miscellaneous Equipment.....	15,555.00	4,008.00	1,979.00			17,584.00
28	399 Other Tangible Property.....						
29	Total General Plant	5,272,988.00	1,104,611.00	952,705.00	0.00	0.00	5,424,894.00
30	Total Electric Plant in Service	69,851,692.00	4,131,503.00	3,722,633.00	0.00		69,875,363.00
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	69,851,692.00	4,131,503.00	3,722,633.00	0.00	0.00	69,875,363.00

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

Annual Report of the Town of Reading Municipal Light Department		21
		Year ended December 31, 2013
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)	843,524.00
17		
18		
19		
20		
21		
22		
23	TOTAL	843,524.00
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24		
25		
26	Loss on Disposal of Electric Plant Utility	504,315.00
27		
28		
29		
30		
31		
32	TOTAL	504,315.00
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	Transfer to Town of Reading	2,283,324.00
35		
36		
37		
38		
39		
40	TOTAL	2,283,324.00

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)	24,473,807	2,675,287.00	0.1093
10				
11				
12				
13	Municipal Street Lighting	2,872,757	328,073.00	0.1142
14				
15				
16				
17				
18				
19				
TOTALS		27,346,564	3,003,360.00	0.1098

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		157,648,280	13,610,552.00	0.0863
21	J P Morgan		91,318,800	5,359,314.00	0.0587
22	Constellation		93,905,400	8,906,225.00	0.0948
23	HQ Phase 2 Companies		0	226,041.00	0.0000
24	ISO-NE/REMVEC		94,436,613	16,927,863.00	0.1793
25	MacQuarie		115,073,200	4,700,298.00	0.0408
27	National Grid		54,755	4,316.00	0.0788
28	Middleton		332,664	(47,973.00)	(0.1442)
29	Braintree Watson		5,831,528	1,943,391.00	0.3333
30	Swift River Projects		16,403,875	1,666,795.00	0.1016
31	Nextera		147,076,030	6,242,343.00	0.0000
32	Deferred Fuel			402,936.00	
TOTALS			722,081,145	59,942,101.00	0.0830

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)	Revenue per K.W.H. [cents] [0.0000] (e)
32	NStar	Customer Premises	4,644,880	368,896.00	0.0794
33	National Grid	Customer Premises	18,533	1,184.00	0.0639
34	Town of Wakefield	Customer Premises	919,111	73,854.00	0.0801
35	Town of Middleton	Customer Premises	14,305	1,149.00	0.0803
36					
37					
38					
39					
40					
41					
TOTALS			5,596,829	444,883.00	0.0795

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-13 (e)	Dec-13 (f)
1	Residential - A		255,701,031	31,178,831.00	0.1219	26,012	26,101
2	Industrial - C		406,992,135	41,801,617.00	0.1027	2,882	2,895
3	Municipal - C		24,473,807	2,675,287.00	0.1093	265	263
4	Street Lighting		2,872,757	328,073.00	0.1142	18	18
5	Private Street Lighting		886,220	68,227.00	0.0770	259	261
6							
7	Provision for Purchased Power Adjustments		0	188,736.00			
8							
9							
10							
11							
12							
13							
14							
15							
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42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE						
49	CONSUMERS (Page 37 Line 11)		690,925,950	76,240,771.00	0.1103	29,436	29,538

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.....	31,492,236.00	(1,843,155.00)
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation	31,492,236.00	(1,843,155.00)
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.....	17,737,524.00	435,623.00
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	(1,537.00)	(17,040.00)
29	Total Other Power Supply Expenses	17,735,987.00	418,583.00
30	Total Power Production Expenses	49,228,223.00	(1,424,572.00)
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.....	10,713,880.00	1,675,050.00
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	10,713,880.00	1,675,050.00
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	10,716,605.00	1,675,050.00

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.....	501,151.00	6,357.00
4	581 Load Dispatching.....	836,796.00	53,334.00
5	582 Station Expenses.....	454,125.00	(26,251.00)
6	583 Overhead Line Expenses.....		
7	584 Underground Line Expenses.....		
8	585 Street Lighting and Signal System Expenses.....	72,972.00	(29,423.00)
9	586 Meter Expenses.....	199,572.00	17,323.00
10	587 Customer Installations Expenses.....		
11	588 Miscellaneous Distribution Expenses.....	355,491.00	3,822.00
12	589 Rents.....		
13	Total Operation	2,420,107.00	25,162.00
14	Maintenance:		
15	590 Maintenance Supervision and Engineering.....	167,995.00	(4,622.00)
16	591 Maintenance of Structures.....		
17	592 Maintenance of Station Equipment.....		
18	593 Maintenance of Overhead Lines.....	1,575,839.00	123,671.00
19	594 Maintenance of Underground Lines.....	216,475.00	36,281.00
20	595 Maintenance of Line Transformers.....	197,197.00	147,438.00
21	596 Maintenance of Street Lighting and Signal Systems.....		
22	597 Maintenance of Meters.....	34,019.00	(22,023.00)
23	598 Maintenance of Miscellaneous Distribution Plant.....		
24	Total Maintenance	2,191,525.00	280,745.00
25	Total Distribution Expenses	4,611,632.00	305,907.00
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....		
29	902 Meter Reading Expenses.....	44,702.00	(44,165.00)
30	903 Customer Records and Collection Expenses.....	1,496,030.00	25,946.00
31	904 Uncollectable Accounts.....	50,920.00	(6,976.00)
32	905 Miscellaneous Customer Accounts Expenses.....		
33	Total Customer Accounts Expenses	1,591,652.00	(25,195.00)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....		
38	913 Advertising Expenses.....		
39	916 Miscellaneous Sales Expense.....	991,491.00	(94,225.00)
40	Total Sales Expenses	991,491.00	(94,225.00)
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Expenses.....	818,723.00	73,574.00
44	921 Office Supplies and Expenses.....	294,961.00	46,826.00
45	922 Administrative Expenses Transferred - Cr.....		
46	923 Outside Services Employed.....	642,757.00	149,853.00
47	924 Property Insurance.....	359,112.00	(22,463.00)
48	925 Injuries and Damages.....	42,293.00	(12,181.00)
49	926 Employees Pensions and Benefits.....	2,136,974.00	(241,543.00)
50	928 Regulatory Commission Expenses.....		
51	929 Duplicate Charges - Cr.....		
52	930 Miscellaneous General Expenses.....	157,949.00	2,700.00
53	931 Rents.....	188,508.00	(13,802.00)
54	Total Operation	4,641,277.00	(17,036.00)

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.....	713,610.00	102,408.00
4	Total Maintenance	713,610.00	102,408.00
5	Total Administrative and General Expenses	5,354,887.00	85,372.00

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.....	31,492,236.00		31,492,236.00
12	Other Power Supply Expenses.....	17,735,987.00		17,735,987.00
13	Total Power Production Expenses	49,228,223.00		49,228,223.00
14	Transmission Expenses.....	10,713,880.00	2,725.00	10,716,605.00
15	Distribution Expenses.....	2,420,107.00	2,191,525.00	4,611,632.00
16	Customer Accounts Expenses.....	1,591,652.00		1,591,652.00
17	Sales Expenses.....	991,491.00		991,491.00
18	Administrative and General Expenses.....	4,641,277.00	713,610.00	5,354,887.00
19				
20	Total Electric Operation and Maintenance Expenses	69,586,630.00	2,907,860.00	72,494,490.00

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).....	96.56%
22	Total salaries and wages of electric department for year, including amounts charged to oper- ating expenses, construction and other accounts.....	7,647,809.83
23	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees).....	72

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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44					
45					
46					
47					
48					
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.....	437,650.00			437,650.00
4	Contract Work - Street Lights.....				
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	437,650.00			437,650.00
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to major				
15	classes of cost).....	39,786.00			39,786.00
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					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	39,786.00			39,786.00
51	Net Profit (or Loss)	397,864.00			397,864.00

SALES FOR RESALE (Account 447) - Continued

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

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

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

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

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
			None					1
								2
								3
								4
								5
								6
								7
								8
								9
								10
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								34
								35
								36
								37
								38
								39
								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 statistical classification in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.

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

Line No.	Purchased From	Statistical Classification	Import Across State Lines	Point of Receipt	Substation	Kw or Kva Demand (Specify Which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	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		292	KW	
4	Nuclear Mix One - Millstone	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		6,789	KW	
7	Nuclear Project Five	O	X	Town Line		822	KW	
8	NYPA	O		Town Line		4,019	KW	
9	JP Morgan	FP	X	Town Line		-		
10	Constellation	FP	X	Town Line		-		
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		-		
14	REMVEC	O	X	Town Line		4,683	KW	
15	ISO-NE			Town Line		55,719	KW	
16	NEMA Congestion			Town Line		-		
17	MacQuarie	FP/O	X	Town Line		60,000	KW	
18	Summit Hydro			Town Line		-		
19	National Grid Resales	O		Town Line		-		
20	COOP Resales	O		Town Line		-		
21	Deferred Fuel			Town Line		-		
22	Swift River Hydro Projects	O		Town Line		-		
23	Braintree Watson Unit	O		Town Line		10,520	KW	
24	Short Term - Purch/Sale	O	X			-		
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
TOTALS						215,700		

PURCHASED POWER (Account 555) - Continued

(except interchange power)

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

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

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

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

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

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 Minute	115,000	452,837	586,970	74,371	23,847	685,188	1.5131	1
60 Minute	115,000	16,273,758	1,823,276	1,587,950	33,019	3,444,245	0.2116	2
60 Minute	115,000	2,617,730	188,354	21,465	180	209,999	0.0802	3
60 Minute	115,000	22,463,123	1,558,965	162,154	17,427	1,738,546	0.0774	4
60 Minute	115,000	16,009,877	1,210,809	116,010	12,420	1,339,239	0.0837	5
60 Minute	115,000	59,442,555	3,819,566	486,472	4,095	4,310,133	0.0725	6
60 Minute	115,000	7,331,954	488,164	60,078	505	548,747	0.0748	7
60 Minute	115,000	22,940,245	187,717	111,395	446,659	745,771	0.0325	8
60 Minute	115,000	91,318,800	0	5,359,314	0	5,359,314	0.0587	9
60 Minute	115,000	93,905,400	3,960,000	4,946,225	0	8,906,225	0.0948	10
60 Minute	115,000	0	7,246	0	0	7,246		11
60 Minute	115,000	0	14,918	0	0	14,918		12
60 Minute	115,000	0	203,878	0	0	203,878		13
60 Minute	115,000	0	0	9,020	0	9,020		14
60 Minute	115,000	94,436,613	2,309,209	5,750,728	10,174,190	18,234,127	0.1931	15
60 Minute	115,000	0	0	(1,315,283)	0	(1,315,283)		16
60 Minute	115,000	115,073,200	0	4,700,298	0	4,700,298	0.0408	17
60 Minute	115,000	10,116,201	0	588,682	0	588,682		18
60 Minute	115,000	54,755	0	4,316	0	4,316	0.0788	19
60 Minute	115,000	332,664	0	(47,973)	0	(47,973)	-0.1442	20
60 Minute	115,000	0	0	402,936	0	402,936		21
60 Minute	115,000	16,403,875	0	1,666,795	0	1,666,795		22
60 Minute	115,000	5,831,528	1,378,452	564,940	0	1,943,391	0.3333	23
60 Minute	115,000	147,076,030	0	6,242,343	0	6,242,343		24
								25
								26
								27
								28
								29
								30
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								32
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								38
								39
								40
								41
TOTALS		722,081,145	17,737,524	31,492,236	10,712,342	59,942,101	0.0830	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 coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	ISO-NE	NO	NEPEX	115,000	109,858,664		15,988,403	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	109,858,664	0	15,988,403	

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (f)	Amount (k)
13	NEPEX		
14		Kwh Received	109,858,664
15		Adjusted Net Interchange	
16			
17		Kwh Delivered	
18		Adjusted Net Interchange	
19			
20			
21		TOTALS	109,858,664

ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)	Kilowatt-hours (b)
SOURCES OF ENERGY		
1		
2	Generation (excluding station use):	
3	Steam.....	
4	Nuclear.....	
5	Hydro.....	
6	Other.....	
7	Total generation.....	
8	Purchases.....	627,644,53
9	{ In (gross)	94,436,613
10	Interchanges.....	
11	{ Out (gross)	0
12	{ Net (Kwh).....	
13	Transmission for/by others (Wheeling).....	
14	{ Delivered.....	
14	{ Net (kwh).....	
15	TOTAL	722,081,14
DISPOSITION OF ENERGY		
16		
17	Sales to ultimate consumers (including interdepartmental sales).....	690,925,9
18	Sales for resale.....	5,596,8
19	Energy furnished without charge	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	816,9
22	Energy losses:	
23	Transmission and conversion losses.....	24,741,406
24	Distribution losses.....	
25	Unaccounted for losses.....	0
26	Total energy losses.....	24,741,4
27	Energy losses as percent of total on line 15.....	3.43%
28	Losses within RMLD system.....	0.00%
	TOTAL	722,081,1

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
 2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
 4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
 5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

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	108,799	Wednesday	23	1800	Integrated	60,866,6
30	February	104,480	Monday	4	1900	Integrated	53,918,7
31	March	100,465	Thursday	7	1900	Integrated	56,991,1
32	April	91,391	Tuesday	2	1700	Integrated	52,898,7
33	May	143,882	Friday	31	1500	Integrated	56,418,4
34	June	162,059	Monday	24	1700	Integrated	64,889,6
35	July	167,759	Friday	19	1700	Integrated	78,781,4
36	August	140,045	Wednesday	21	1600	Integrated	67,363,7
37	September	156,230	Wednesday	11	1700	Integrated	58,649,0
38	October	99,578	Monday	7	1900	Integrated	55,270,0
39	November	102,274	Monday	25	1900	Integrated	55,217,4
40	December	115,912	Tuesday	17	1800	Integrated	60,814,0
41						TOTAL	722,081,1

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 501 and

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, def. f.o.b. plant			
37	Average cost of fuel per unit consumed			
38	Average cost of fuel consumed per million B.t.u.			
39	Average cost of fuel consumed per kwh net gen.			
40	Average B.t.u. per kwh net generation			
41				
42				

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

547 as shown on Line 24

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

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."

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

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

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
						1
						2
						3
						4
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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.

Boilers

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							
2							
3							
4							
5							
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37							

Note Reference:

* Indicates reheat boilers thusly, 1050/1000.

STEAM GENERATING STATIONS -- Continued

expenses to 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.

Turbine-Generators*

Year Installed (h)	Type (i)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating In Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
											1
											2
											3
											4
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TOTALS											37

Note references:

- *Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section.
- + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and noncondensing (N.C.). Show back pressures.
- ** Designate air cooled generators.
- ++ If other than 3 phase, 60 cycle, indicate other characteristics.
- *+ 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 thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
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* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).

HYDROELECTRIC GENERATING STATIONS -- Continued

percent of ownership by respondent, name of co-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name 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									38	
									39	

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1							
2							
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COMBUSTION ENGINE AND OTHER GENERATING STATIONS -- Continued
(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.
4. Designate any generating station or portion thereof leased to another company and give name 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					Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (l)	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)		
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TOTALS									39

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.
2. Designate any plant leased from others, operated under a license from the Federal Power Commission,

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.

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.

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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2												
3												
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TOTALS												

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Woburn/	Causeway Rd.	115 kV	Single Wood Poles	.46 Miles	No	1.00	795 MCM ALL ALUM
2	Reading	Reading						
3	211-503							
4								
5	Woburn/	Causeway Rd.	115 kV	Single Wood Poles	.46 Miles	No	1.00	795 MCM ALL ALUM
6	Reading	Reading						
7	211-504							
8								
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47	TOTALS							

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

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.

SUBSTATIONS

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, reflectors, condensers, etc. and auxiliary equipment for increasing capacity.
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (in Service) (f)	Number Of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment			
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number Of Units (j)	Total Capacity (k)	
1												
2	Gaw Station - Causeway Rd., Reading	unattended dist.	115 kv	19,900 / 34,500	—	80,000	2	0				
3												
4			115 kv	7,970 / 13,800	—	180,000	3	0				
5												
6												
7												
8												
9												
10	Widwood 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												
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31												
32												

All transformer ratings are at the top forced air rating.

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	286.36	0.00	286.36
2	Added During Year	0.60		0.60
3	Retired During Year	0.10		0.10
4	Miles - End of Year	286.86	0.00	286.86
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.....	29,082	38,293	4,367	288,865.5
17	Additions during year:				
18	Purchased.....		2,884	131	10,325.0
19	Installed.....	907		0	0.0
20	Associated with Utility Plant Acquired.....				
21	Total additions.....	907	2,884	131	10,325.0
22	Reduction During Year:				
23	Retirements.....	81	10,101	52	3,029.5
24	Associated with Utility Plant Sold.....				
25	Total Reductions.....	81	10,101	52	3,029.5
26	Number at End of Year.....	29,908	31,076	4,446	296,161.0
27	In Stock.....		1,168	0	0.0
28	Locked Meters on Customers' Premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....		29,908		
31	In Company's Use.....				
32	Number at End of Year.....		31,076	4,446	296,161.0

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

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

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating voltage (d)	Feet* (e)	Operating Voltage (f)
1						
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9						
10						
11						
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TOTALS						

*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	TYPE								
			Incandescent		Mercury Vapor		Fluorescent		High Press. Sodium		
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)	
1	Reading	2,393	0	0	6	0	0	0	0	2,387	0
2	Lynnfield	807	0	0	454	0	0	0	0	353	0
3	North Reading	1,324	0	0	84	0	0	0	0	1,240	0
4	Wilmington	2,635	0	0	790	0	0	0	0	1,845	0
5											
6											
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52	TOTALS	7,159	0	0	1,334	0	0	0	0	5,825	0

RATE SCHEDULE INFORMATION

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

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
N.B. NYPA CREDIT TOTALLED \$686,348.00				

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... Mayor.

..... Manager of Electric Light

Coleen M. O'Brien, General Manager

..... Selectmen

John Stempeck, Chairman

..... or

Philip B. Pacino, Vice Chairman

..... Members

Robert H. Soli, Secretary

..... of the Municipal

David Mancuso

..... Light Board

David Talbot

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

Middlesex

ss

3/27/13

Then personally appeared.....

Coleen M. O'Brien

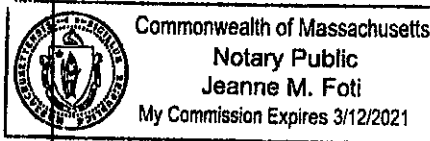
John Stempeck

Philip B. Pacino

Robert H. Soli

David Mancuso

David Talbot



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

Notary Public or