THE COMMONWEALTH OF MASSACHUSETTS

AMENDED RETURN

OF THE

TOWN OF READING MUNICIPAL LIGHT DEPARTMENT

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

FOR THE YEAR ENDED DECEMBER 31,

2021

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

Official Title: **General Manager**

Office Address: **230 Ash Street**
Reading, MA 01867

Form AC-19

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FOR GAS PLANTS ONLY:

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GENERAL INFORMATION

1. Name of town (or city) making this report. Town of 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
   Karen Herrick, Chair
   Anne D J Landry, Vice Chair
   Mark Dockser, Secretary
   Carlo Bacci
   Christopher Haley

5. Name and address of town (or city) treasurer:
   Endri Kume
   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:
   Robert Coulter, Chair
   Phillip B. Pacino, Vice Chair
   Marlena Bita
   John W. Stempeck
   David A. Talbot

8. Total valuation of estates in town (or city) according to last state valuation $5,467,372,988.00

9. Tax rate for all purposes during the year: $13.44

10. Amount of manager's salary: $224,703.00

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, 2021

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 ……	86,403,503
3		
4	**TOTAL**	**86,403,503**
5	**Expenses:**	
6	For operation, maintenance and repairs……	77,384,706
7	For interest on bonds, notes or scrip……..	
8	For depreciation fund (3% on $150,800,000.00)……	4,883,756
9	For sinking fund requirements……..	
10	For note payments……..	
11	For bond payments…….	
12	For loss in preceding year……	
13	**TOTAL**	**82,268,462**
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

City or Town	Number of Customers' Meters, Dec 31.

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.
Reading	10,817
Lynnfield	3,132
North Reading	6,925
Wilmington	9,610
Co-Op Resale	20
TOTAL	**30,504**

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 2021 CONSTRUCTION HIGHLIGHTS

The Reading Municipal Light Department's (RMLD) system peak demand in Calendar Year 2021 was 167,600 kW occurring on June 29, 2021, hour ending 2:00 pm. This was 2% higher than the 2020 peak of 163,970 kW and was 3% lower than the highest peak demand of 172,493 kW set in August 2006. RMLD purchased 677,524,375 kWh in Calendar Year 2021.

LINE CONSTRUCTION

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

READING

- Curtis Street (and part of George Street) – Verizon set 12 poles. RMLD reconductored 800 feet of single-phase primary and 1,400 feet of secondary cable, upgraded ten services and replaced/upgraded two transformers. This area will be converted once Heather Drive and George Street are completed.
- West Street, Reading and Wilmington – Finished reconductoring of circuit 4W4 from the West Street pole yard in Reading to pole 62-1 on West Street, Wilmington. Installed 1,700 circuit feet (5,100 linear feet) of 15 kV 750 kcmil CU cable.
- Hopkins Street – Replaced single-phase primary with three-phase primary. Approximately 1,250 feet of 1/0 spacer cable was installed.
- Willow Street – Replaced seven poles, reconductored 1,200 feet of three-phase primary for make ready for primary voltage conversion in coordination with Austin Preparatory School electrical upgrades.
- New Crossing Road – Replaced aged switchgear with new solid dielectric unit.
- Reading Woods – Replaced aged switchgear with new solid dielectric unit.

Notable examples of new service additions or upgrades:

- Residential Condominium – 259-267 Main Street
- Commercial/Residential Building – 22-24 Gould Street

WILMINGTON

- Marion Street – Completed upgrade (Phase 2). Installed approximately 2,300 circuit feet of primary cable and replaced five overhead pole-mounted transformers, replaced approximately 3,300 feet of secondary 4/0 main cable and 1,700 of 1/0 service cable.
- Linda Lane Area - Verizon replaced 32 poles. RMLD installed approximately 3,700 feet of 1/0 primary, 4,000 feet of 4/0 secondary, upgraded/replaced seven transformers and replaced approximately 50 services.
- Woodland Road and Hanson Road - Verizon set 13 poles. RMLD reconductored 1,400 feet of single-phase primary, reconductored 1,625 feet of open wire secondaries, replaced/upgraded two pole-mounted transformers and upgraded 15 services.
- Glen Acres Estate – Reconductored 4,500 feet of underground primary cable and upgraded seven pad-mounted transformers.
- Valyn Lane – Reconductored 1,100 feet of underground primary cable and upgraded one pad-mounted transformer.
- Wisser and Brand Avenue - Verizon replaced 15 poles. RMLD reconductored 2,000 feet of single-phase primary, 2,200 feet of open wire secondaries, replaced/upgraded five pole-mounted transformers and upgraded 22 services.
- Industrial Way – Replaced two switchgear with new solid dielectric units.

Notable examples of new service additions or upgrades:

- Vapor IO – 26 Upton Drive

NORTH READING

- Park Colony Condominiums – Replaced eight poles, reconductored 1,200 feet of single primary cable, upgraded six services and replaced/upgraded six transformers.

- Southwick Road - Replaced eight poles, reconductored 2,200 feet of open wire secondaries, upgraded 16 services and replaced/upgraded three transformers.
- Kristyn Lane and Jill Circle – Replaced five transformers upgrading the area.
- Central Street – 4kV area upgrade. Replaced approximately 2,400 feet of secondary overhead service cable, 12 transformers, 2,800 feet of primary underground cable, and six poles.
- 29 Concord Street – Completed upgrade of three transformers feeding commercial building.
- Country Club Estates – Replaced five transformers upgrading the area.
- Riverpark Drive – Replaced two aged switchgear with new solid dielectric units.

Notable examples of new service additions or upgrades:

- Commercial Site – 54 Concord Street
- Commercial Site – 25 Main Street
- Martins Landing Residential Condominiums – 240 Martins Landing
- Woodcutter Lane Residential Subdivision – 77 Elm Street

LYNNFIELD

- Smith Farm Trail – Reconductored 2,000 feet of underground primary cable and replaced/upgraded two transformers.
- East Lowell Street/Durham Drive/Willowby Way/Daventry Court/Lansdowne Court – Verizon set 47 poles. RMLD reconductored 1,800 circuit feet of three-phase spacer cable, 2,500 feet of single-phase primary, 600 feet of secondary cable, upgraded 12 pole-mounted transformers and 28 services.
- Ostis Way – Reconductored 350 feet of underground primary cable and replaced/upgraded one pad-mounted transformers.
- Mohawk Drive - Reconductored 1,700 feet of underground primary cable and replaced/ upgraded two pad-mounted transformers.
- Lil's Way – Reconductored 800 feet of underground primary cable and upgraded one pad-mounted transformer.

Notable examples of new service additions or upgrades:

- Sagamore Place Residential Subdivision – 1480 Main Street
- Tuttle Lane at Reedy Meadow Subdivision – 349 Summer Street

CUSTOMER CALLS

The Department answered approximately 2,547 trouble calls that were of a routine or emergency nature. A summary of the reasons for these calls includes 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 twenty-five calls related to utility equipment damage (poles, etc.) as a result of motor vehicle accidents.

POLE REPLACEMENTS

The Department completed approximately 134 pole installations and/or replacements. Many of these were in connection with the RMLD circuit upgrade projects and the Pole Inspection Program throughout the service area.

DIGSAFE

The RMLD marked out underground facilities locations for 5,571 DIGSAFE calls.

METERS

Between the Meter and Line departments, service upgrades, new construction, and renovations resulted in a total of 293 new overhead and underground residential and commercial/industrial services delineated as follows:

Reading – 141 residential and 14 commercial/industrial
Lynnfield – 9 residential and 2 commercial/industrial
North Reading – 69 residential and 16 commercial/industrial
Wilmington – 27 residential and 15 commercial/industrial

A total of 246 new residential services represents a 62% increase from new residential services in CY20 (152). A total of 47 commercial/industrial services were installed representing a 20.5% increase over the previous year's total of 39.

Two hundred and thirty-four (234) meters were replaced due to routine residential and commercial meter replacements.

TREE TRIMMING AND PREVENTATIVE MAINTENANCE

In 2021 RMLD continued its preventative maintenance and tree trimming programs in Lynnfield, Wilmington, North Reading, and Reading. Mayer Tree worked in accordance with our Vegetation Management Plan and trimmed approximately 3,045 spans. Mayer also provided tree removal, when necessary, emergency response, and storm stand-by when requested. Additionally, they cleared multiple areas for system upgrades and performed trimming along our three phase, main line routes in Wilmington and North Reading.

COMPARATIVE SYSTEM PERFORMANCE STATISTICS*

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. CAIDI was 55.66 average minutes of outage time, and SAIFI was 0.25 instances.

SAIDI measures the average interruption duration (in minutes) for customers served by the utility. SAIDI was 13.93 minutes.

RMLD continues to provide reliable service through the development and implementation of a number of proactive maintenance programs.

*Per the APPA eReliabilty System.

RENEWABLE ENERGY

RMLD is working with customers who wish to install renewable energy systems behind the retail meter. At the end of Calendar Year 2021, there were a total of 174 residential (1,302 kW-AC) and 19 commercial (2,154 kW-AC) sites generating solar energy within RMLD's service territory. In Calendar Year 2021, photovoltaic systems were added at 22 residential locations (four in Lynnfield, seven in Reading, two in North Reading, and nine in Wilmington). There were two commercial sites added in North Reading in 2021. There are seven residential

locations that have energy storage (battery) systems (four in Lynnfield and three in Wilmington) with a total capacity of 126.5 kWhs-DC.

RMLD continues to purchase the total output from several solar projects located on the RMLD distribution system at One Burlington Avenue in Wilmington, 326 Ballardvale Street in Wilmington (Solar Choice 1), and 40-50 Fordham Road in Wilmington (Solar Choice 2). These three systems add another 4,709 kW-AC of solar generating capacity.

FACILITIES & FLEET

Building Upgrades:

In June 2020, the Facilities group selected PLM Electric Power Engineering as the firm to provide engineering services for the Substation 4 Air Conditioning Project. In December 2020, Ambient Temperature Corporation was selected as the contractor for the Substation 4 Air Conditioning Project. The project commenced with a kickoff meeting in March 2021. Excavation and pouring of the concrete pad were completed April 2021. In June 2021 the installation of the A/C unit was completed.

In June 2020, the Facilities group selected PLM Electric Power Engineering as the firm to provide engineering services for the Station 3 Generator Replacement Project. In June 2021, Phillips Electric, Inc., was selected as the contractor for the Station 3 Generator Replacement Project. The pad extension was completed in August 2021 by Edward Paige Corporation. The generator is expected to arrive in 2022.

In June 2020, the Facilities group selected Meridian Associates as the firm to provide engineering services for the Station 3 Transformer Rack Storage Project. The project scope would not be conducive to the testing and maintenance of the intended transformers. In 2021, the Facilities Manager moved forward with a new design to improve the operations of the transformer storage area and pole yard. In June 2021, Meridian Associates completed the conceptual layouts. Meridian will prepare project documents and start construction of the new pole yard design in 2022.

Fire Safety:

Annual fire extinguisher inspection and maintenance was completed in August with over 160 fire extinguishers inspected and maintained. This program ensures that critical safety equipment located in all RMLD vehicles and buildings is available if needed.

Security:

In August 2020, Burns & McDonnell Engineering Co., Inc., was selected as the vendor to perform a comprehensive physical security risk assessment. The project commenced on October 2, 2020, with a preliminary Zoom meeting for the project overview and initial planning discussion. In November 2020 two representatives from Burns & McDonnell Engineering Co., Inc., travelled to the RMLD to perform the initial risk assessment. The draft assessment was finalized in March 2021. In April 2021, the final risk assessment was presented to the RMLD and accepted.

Fleet:

In November 2021, the Facilities group completed dielectric testing on 15 heavy-duty vehicles and hot stick tools. The Facilities group also performed preventive maintenance on 18 heavy-duty 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 times, especially during significant weather events. In addition, preventative maintenance was performed on 20 light-duty vehicles during the year.

In March 2021, the Line Department received a new digger derrick vehicle with the trade in of one 2005 International, 47-foot digger derrick (former vehicle 5).

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

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

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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					
Dec-1896	Dec-1896	1,500					
Mar-1898	Jul-1898	3,000					
Mar-1903	Dec-1903	1,400					
Mar-1909	Nov-1909	2,500					
Jan-1909	Jan-1910	1,800					
Jan-1910	Mar-1910	12,000					
Mar-1911	Jul-1911	2,200					
Mar-1913	Apr-1913	13,500					
Mar-1915	May-1915	12,000					
Mar-1915	Jul-1915	4,000					
Mar-1917	Sep-1917	6,500					
Nov-1919	Nov-1919	3,000					
Mar-1921	Jul-1921	7,000					
Dec-1922	Dec-1922	7,000					
May-1934	May-1934	20,000					
Mar-1935	Jun-1935	20,000					
Mar-1937	Apr-1937	60,000					
Jun-1939	Nov-1939	25,000					
Mar-1939	Jul-1939	15,000					
Jun-1939	Jul-1939	36,000					
Mar-1941	May-1941	21,000					
Mar-1941	May-1941	10,000					
Dec-1948	Mar-1949	80,000					
Nov-1985	Dec-1985	183,427					
Aug-1992	Aug-1992	680,000					
Apr-1994	Apr-1994	2,000,000					
Aug-1995	Aug-1995	1,090,000					
	TOTAL	**4,324,827**					**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.

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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.....	2,479,336					2,479,336
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	**Total Other Production Plant**	2,479,336	-	-	-	-	2,479,336
19	**Total Production Plant**	2,479,336	-	-	-	-	2,479,336
20	**3. Transmission Plant**						
21	350 Land and Land Rights.....	25,015					25,015
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements.....	1,584,213					1,584,213
24	353 Station Equipment.....	5,680,751	77,345				5,758,096
25	354 Towers and Fixtures.....	86,169					86,169
26	355 Poles and Fixtures.....	300,248					300,248
27	356 Overhead Conductors and Devices...	229,661					229,661
28	357 Underground Conduits.....	44,256					44,256
29	358 Underground Conductors and Devices	61,954					61,954
30	359 Roads and Trails.....						
31	**Total Transmission Plant**	**8,012,267**	**77,345**	**-**	**-**	**-**	**8,089,612**

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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)
	Balance carried over from page 8A	**10,491,603**	**77,345**	**-**	**-**	**-**	**10,568,948**
1	**4. DISTRIBUTION PLANT**						
2	360 Land and Land Rights	843,454					843,454
3	361 Structures and Improvements	7,394,747	136,754				7,531,501
4	362 Station Equipment	11,622,097	18,344				11,640,441
5	363 Storage Battery Equipment	81,375	1,588				82,963
6	364 Poles, Towers and Fixtures	31,678,338	1,049,471	90,580			32,637,229
7	365 Overhead Conductors and Devices	24,596,106	2,653,156	64,457			27,184,805
8	366 Underground Conduits	9,334,668	126,592	4,773			9,456,487
9	367 Underground Conductors & Devices	12,570,148	1,569,657	48,640			14,091,165
10	368 Line Transformers	11,425,758	1,150,610	647,379			11,928,989
11	369 Services	6,106,454	170,867				6,277,321
12	370 Meters	5,480,283	285,148	25,821			5,739,610
13	371 Installation on Cust's Premises	-					-
14	372 Leased Prop. on Cust's Premises	-					-
15	373 Street Light and Signal Systems	3,765,789	46,180	3,886			3,808,083
16	Total Distribution Plant	**124,899,217**	**7,208,367**	**885,536**	**-**		**131,222,048**
17	**5. GENERAL PLANT**						
18	389 Land and Land Rights	397,372					397,372
19	390 Structures and Improvements	9,502,694	3,080				9,505,774
20	391 Office Furniture and Equipment	9,138,604	571,677	59,783			9,650,498
21	392 Transportation Equipment	4,770,707	289,571	155,906			4,904,372
22	393 Stores Equipment	135,854					135,854
23	394 Tools, Shop and Garage Equipment	589,885	14,913				604,798
24	395 Laboratory Equipment	534,327	44,556				578,883
25	396 Power Operated Equipment	-					-
26	397 Communication Equipment	3,104,146	24,306				3,128,452
27	398 Miscellaneous Equipment	493,300	43,199				536,499
28	399 Other Tangible Property	-					-
29	Total General Plant	**28,666,889**	**991,302**	**215,689**			**29,442,502**
30	Total Electric Plant in Service	**164,057,709**	**8,277,014**	**1,101,225**	**-**	**-**	**171,233,498**
31				**TOTAL COST OF PLANT.....**			
32							
33				Less Cost of Land, Land Rights, and Rights of Way			**1,265,842**
34				Total Cost upon which depreciation is based			**169,967,656**

The above figures should show the original cost of existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land values, should be taken as a basis for figuring depreciation.

COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	**UTILITY PLANT**			
2	101 Utility Plant -Electric.....	82,771,714	86,032,231	3,260,517
3	101 Utility Plant- Gas…….			
4	123 Investment in Associated Companies.....	822,083	883,966	61,883
5	**Total Utility Plant.....**	**83,593,797**	**86,916,197**	**3,322,400**
6				
7				
8				
9				
10				
11	**FUND ACCOUNTS**			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	10,328,560	11,960,014	1,631,454
14	128 Other Special Funds.....	8,806,941	8,763,655	(43,286)
15	**Total Funds.....**	**19,135,501**	**20,723,669**	**1,588,168**
16	**CURRENT AND ACCRUED ASSETS**			
17	131 Cash (P. 14).....	32,698,763	28,057,207	(4,641,556)
18	132 Special Deposits.....	1,406,058	1,547,700	141,642
19	132 Working Funds.....	3,500	3,500	-
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	7,829,191	8,738,254	909,063
22	143 Other Accounts Receivable.....	139,328	54,679	(84,649)
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	1,880,288	1,829,535	(50,753)
25				
26	165 Prepayments.....	2,618,378	2,392,305	(226,073)
27	174 Miscellaneous Current Assets			
28	**Total Current and Accrued Assets...**	**46,575,506**	**42,623,180**	**(3,952,326)**
29	**DEFERRED DEBITS**			
30	181 Unamortized Debt Discount.....	-	-	-
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....	5,360,409	6,754,497	1,394,088
33	**Total Deferred Debits.....**	**5,360,409**	**6,754,497**	**1,394,088**
34				
35	**Total Assets and Other Debits.....**	**154,665,213**	**157,017,543**	**2,352,330**

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	119,304	-
5	206 Loans Repayment.....	15,403,000	15,403,000	-
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	94,646,229	97,344,222	2,697,992
8	**Total Surplus.....**	**110,168,533**	**112,866,526**	**2,697,992**
9	**LONG TERM DEBT**			
10	221 Bonds (P. 6).....	-	-	-
11	231 Notes Payable (P. 7).....			
12	**Total Bonds and Notes.....**	**-**	**-**	**-**
13	**CURRENT AND ACCRUED LIABILITIES**			
14	232 Accounts Payable.....	6,743,806	7,734,458	990,652
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....	1,406,058	1,547,700	141,642
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....	19,322,192	16,201,630	(3,120,562)
19	242 Miscellaneous Current and Accrued Liabilities	2,713,984	2,459,778	(254,206)
20	**Total Current and Accrued Liabilities...**	**30,186,040**	**27,943,565**	**(2,242,475)**
21	**DEFERRED CREDITS**			
22	251 Unamortized Premium on Debt.....			
23	252 Customer Advance for Construction.....	2,292,259	2,513,250	220,991
24	253 Other Deferred Credits.....	2,652,103	4,327,923	1,675,820
25	**Total Deferred Credits**	**4,944,362**	**6,841,173**	**1,896,811**
26	**RESERVES**			
27	260 Reserves for Uncollectable Accounts.....	200,000	200,000	-
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....			
31	265 Miscellaneous Operating Reserves.....			
32	**Total Reserves.....**	**200,000**	**200,000**	**-**
33	**CONTRIBUTIONS IN AID OF CONSTRUCTION**			
34	271 Contributions in Aid of Construction.....	9,166,279	9,166,279	-
35	**Total Liabilities and Other Credits**	**154,665,214**	**157,017,543**	**2,352,329**

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)	**86,403,503**	**831,171**
3	**Operating Expenses:**		
4	401 Operation Expense (P. 42)	71,947,089	(51,134)
5	402 Maintenance Expense (P. 42)	3,782,184	423,738
6	403 Depreciation Expense	4,883,756	184,548
7	407 Amortization of Property Losses		
9	408 Taxes (P. 49)	1,655,433	48,424
10	**Total Operating Expenses**	**82,268,462**	**605,576**
11	Operating Income		
12	414 Other Utility Operating Income (P. 50)		
13			
14	**Total Operating Income**	**4,135,040**	**225,594**
15	**OTHER INCOME**		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	901,027	(36,430)
17	419 Interest Income	131,984	(258,441)
18	421 Miscellaneous Income		
19	**Total Other Income**	**1,033,011**	**(294,871)**
20	**Total Income**	**5,168,051**	**(69,277)**
21	**MISCELLANEOUS INCOME DEDUCTIONS**		
22	425 Miscellaneous Change in Accounting Principle		
23	426 Other Income Deductions		
24	**Total Income Deductions**	**-**	**-**
25	**Income before Interest Charges**	**5,168,051**	**(69,277)**
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	5,550	(22,227)
31	432 Interest Charged to Construction-Credit		
32	**Total Interest Charges**	**5,550**	**(22,227)**
33	**Net Income**	**5,162,501**	**(47,050)**

EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of period)		**94,646,229**
35	restated - Implementation of GASB 75		
36			
37	433 Balance Transferred from Income		5,162,501
38	434 Miscellaneous Credits to Surplus (P. 21)		94,943
39	435 Miscellaneous Debits to Surplus (P. 21)	139,614	
40	436 Appropriations of Surplus (P. 21)	2,480,506	
41	437 Surplus Applied to Depreciation		60,668
42	208 Unappropriated Earned Surplus (at end of period)	97,344,222	
43			
44	**TOTALS**	**99,964,342**	**99,964,342**

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund	28,057,207
2	Interest Fund	
3	Bond Fund	
4	Construction Fund	
5		
6		
7		
8		
9		
10		
11		
12	**TOTAL**	28,057,207

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

Line No.	Account (a)	Amount End of Year Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154)	1,829,535	
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**	1,829,535	

Depreciation Fund Account (Account 126)

Line No.	(a)	Amount (b)
24	**DEBITS**	
25	Balance of Account at Beginning of Year	10,328,560
26	Income During Year from Balance on Deposit	24,712
27	Amount Transferred from Income	9,883,756
28	**TOTAL**	20,237,028
29		
30	**CREDITS**	
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)	8,277,014
32	Amounts Expended for Renewals	
33	Adjustment	
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year	
40	**TOTAL**	11,960,014

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 Equipment						
14	**Total Steam Production Plant**						
15	B. Nuclear Production Plant						
16	320 Land and Land Rights						
17	321 Structures and Improvements						
18	322 Reactor Plant Equipment						
19	323 Turbogenerator Units						
20	324 Accessory Electric Equipment						
21	325 Miscellaneous Power Plant Equipment						
22	**Total Nuclear Production Plant**						
23							

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.....	2,234,543	-	74,380			2,160,163
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	**Total Other Production Plant**	2,234,543	-	74,380	-	-	2,160,163
19	**Total Production Plant**	2,234,543	-	74,380	-	-	2,160,163
20	**3. TRANSMISSION PLANT**						
21	350 Land and Land Rights.....	25,015	-	-			25,015
22	351 Clearing Land and Rights of Way..	-	-	-			-
23	352 Structures and Improvements.....	552,774	-	28,378			524,396
24	353 Station Equipment.....	3,226,325	77,345	136,769			3,166,902
25	354 Towers and Fixtures.....	-	-	-			-
26	355 Poles and Fixtures.....	167,357	-	9,008			158,349
27	356 Overhead Conductors and Device..	143,861	-	6,890			136,971
28	357 Underground Conduits.....	1,428	-	51			1,377
29	358 Underground Conductors and Dev..	21,719	-	771			20,948
30	359 Roads and Trails.....	-	-	-			-
31	**Total Transmission Plant**	**4,138,479**	**77,345**	**181,867**	**-**	**-**	**4,033,958**

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	-	-			843,454
3	361 Structures and Improvements	4,017,435	136,754	221,842			3,932,347
4	362 Station Equipment	5,016,351	18,344	224,528			4,810,167
5	363 Storage Battery Equipment	46,851	1,588	2,441			45,998
6	364 Poles and Fixtures	18,388,918	1,049,471	1,031,209			18,407,180
7	365 Overhead Conductors and Devices	18,148,751	2,653,156	800,666			20,001,241
8	366 Underground Conduits	3,241,363	126,592	303,867			3,064,088
9	367 Underground Conductors and Devices	7,014,884	1,569,657	409,190			8,175,351
10	368 Line Transformers	5,675,293	1,150,610	371,938		(115,926)	6,338,039
11	369 Services	1,282,953	170,867	198,781			1,255,039
12	370 Meters	3,261,496	285,148	178,397		(16,815)	3,351,431
13	371 Installation on Cust's Premises		-	-			-
14	372 Leased Prop. on Cust's Premises.		-	-			-
15	373 Street Light and Signal Systems	2,611,826	46,180	122,586			2,535,420
16	**Total Distribution Plant**	**69,549,575**	**7,208,367**	**3,865,447**	**-**	**(132,741)**	**72,759,753**
17	**5. GENERAL PLANT**						
18	389 Land and Land Rights	397,372	-	-			397,372
19	390 Structures and Improvements	2,811,729	3,080	244,999			2,569,810
20	391 Office Furniture and Equipment	1,421,900	571,677	176,853			1,816,724
21	392 Transportation Equipment	640,416	289,571	220,113			709,874
22	393 Stores Equipment	26,279	-	2,093			24,186
23	394 Tools, Shop and Garage Equipment.	72,056	14,913	8,411			78,558
24	395 Laboratory Equipment	130,752	44,556	11,905			163,403
25	396 Power Operated Equipment		-	-			
26	397 Communication Equipment	1,022,390	24,306	60,562			986,133
27	398 Miscellaneous Equipment	326,223	43,199	37,125			332,297
28	399 Other Tangible Property						
29	**Total General Plant**	**6,849,117**	**991,302**	**762,062**	**-**	**-**	**7,078,357**
30	**Total Electric Plant in Service**	**82,771,714**	**8,277,014**	**4,883,756**	**-**	**(132,741)**	**86,032,231**
31	104 Utility Plant Leased to Others	-	.				-
32	105 Property Held for Future Use	-					-
33	107 Construction Work in Progress	-					-
34	**Total Utility Electric Plant**	**82,771,714**	**8,277,014**	**4,883,756**	**-**	**(132,741)**	**86,032,231**

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 (l)	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 (incl MMWEC Flush)	94,943
17		
18		
19		
20		
21		
22		
23	**TOTAL**	**94,943**

MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

Line No.	Item (a)	Amount (b)
24		
25		
26	Loss on Disposal of Electric Plant Utility	139,614
27		
28		
29		
30		
31		
32	**TOTAL**	**139,614**

APPROPRIATIONS OF SURPLUS (Account 436)

Line No.	Item (a)	Amount (b)
33		
34	Transfer to Town of Reading	2,480,506
35		
36		
37		
38		
39		
40	**TOTAL**	**2,480,506**

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)	23,444,441	1,749,304	0.0746
10					
11					
12					
13		Municipal Street Lighting	976,996	176,458	0.1806
14					
15					
16					
17					
19		**TOTALS**	**24,421,437**	**1,925,761.85**	**0.0789**

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		140,088,124	$7,096,511	0.0507
21	ENE Consulting Fees		0	$365,158	
22	Nextera		371,131,892	$13,906,045	0.0375
23	HQ Phase 2 Companies		0	($415,565)	
24	ISO-NE		22,209,734	$27,838,616	1.2534
25	Battery Storage		0	$629,662	
26	Solar/Wind		31,122,676	$2,134,594	0.0686
27	Middleton/Nat Grid		153,028	$29,806	0.1948
28	Braintree Watson		2,281,326	$1,798,561	0.7884
29	Hydro Projects		111,628,741	$6,872,125	0.0616
		TOTALS	**678,615,521**	**60,255,513**	**0.0888**

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	3,237,720	426,461	0.1317
33	Town of Wakefield	Customer Premises	1,192,919	85,135	0.0714
34	Town of Middleton	Customer Premises	9,929	1,353	0.1363
35					
36					
37					
38					
39					
40					
41		**TOTALS**	**4,440,568**	**512,949**	**0.1155**

Town of Reading Municipal Light Department — Year ended December 31, 2021

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.....	25,887,001	746,682	259,515,592	1,018,402	27,016	131
3	442 Commercial and Industrial Sales:	25,624,490	1,372,946	369,740,141	3,334,580	4,335	35
4	Small (or Commercial) see instr. 5.....						
5	Large (or Industrial) see instr. 5.....						
6	444 Municipal Sales (P.22)	1,925,762	276,244	24,421,437	2,912,057	295	2
7	445 Other Sales to Public Authorities.....						
8	446 Sales to Railroads and Railways.....						
9	448 Interdepartmental Sales.....						
10	449 Miscellaneous Electric Sales.....	128,136	(5,115)	226,610	(210,883)	240	0
	449.1 Provision for Rate Refunds/PPCT.....	30,817,328	(1,603,686)				
11	**Total Sales to Ultimate Consumers.....**	**84,382,716**	**787,070**	**653,903,780**	**7,054,156**	**31,885**	**167**
12	447 Sales for Resale.....	512,949	4,459	4,440,568	110,288	20	0
13	**Total Sales of Electricity*.....**	**84,895,666**	**791,530**	**658,344,348**	**7,164,444**	**31,905**	**167**
14	**OTHER OPERATING REVENUES**						
15	450 Forfeited Discounts.....	789,491	(36,023)				
16	451 Miscellaneous Service Revenues (ECC).....	718,346	75,663				
17	453 Sales of Water and Water Power.....			*Includes revenues from application of fuel clauses			**26,333,269**
18	454 Rent from Electric Property.....						
19	455 Interdepartmental Rents.....			Total KWH to which applied			**658,344,348**
20	456 Other Electric Revenues						
21							
22							
23							
24							
25	Total Other Operating Revenues.....	**1,507,837**	**39,640**				
26	Total Electric Operating Revenues.	**86,403,503**	**831,170**				

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-21 (e)	Dec-21 (f)
1	Residential - A		259,515,592	25,887,001	0.0998	27,018	27,146
2	Industrial - C		369,740,141	25,624,490	0.0693	4,324	4,370
3	Municipal - C		23,444,441	1,749,304	0.0746	281	281
4	Street Lighting		976,996	176,458	0.1806	15	15
5	Private Street Lighting		226,610	128,136	0.5654	238	240
6							
7	Provision for Purchased Power Adjustments			30,817,328			
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
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40							
41							
42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE						
49	CONSUMERS (Page 37 Line 11)		**653,903,780**	**84,382,716**	**0.1290**	**31,876**	**32,052**

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**	-	-
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**	-	-
20	**Total Power Production Expenses -- Steam Power**	-	-
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**	-	-
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**	-	-
40	**Total Power Production Expenses -- Nuclear Power**	-	-
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**	-	-

(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**	-	-
9	**Total Power Production Expenses - Hydraulic Power**	-	-
10	**OTHER POWER GENERATION**		
11	**Operation:**		
12	546 Operation Supervision and Engineering		
13	547 Fuel		
14	548 Operation Expenses		
15	549 Miscellaneous Other Power Generation Expenses		
16	550 Rents		
17	**Total Operation**	-	-
18	**Maintenance:**		
19	551 Maintenance Supervision and Engineering		
20	552 Maintenance of Structure		
21	553 Maintenance of Generating and Electric Plant		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	**Total Maintenance**	-	-
24	**Total Power Production Expenses - Other Power**	-	-
25	**OTHER POWER SUPPLY EXPENSES**		
26	555 Purchased Power	44,566,942	1,325,560
27	556 System Control and Load Dispatching		
28	557 Other Expenses	-	-
29	**Total Other Power Supply Expenses**	**44,566,942**	**1,325,560**
30	**Total Power Production Expenses**	**44,566,942**	**1,325,560**
31	**TRANSMISSION EXPENSES**		
32	**Operation:**		
33	560 Operation Supervision and Engineering		
34	561 Load Dispatching	215,965	
35	562 Station Expenses	64,589	
36	563 Overhead Line Expenses		
37	564 Underground Line Expenses		
38	565 Transmission of Electricity by Others	15,688,571	1,671,679
39	566 Miscellaneous Transmission Expenses		
40	567 Rents		
41	**Total Operation**	**15,969,125**	**1,671,679**
42	**Maintenance:**		
43	568 Maintenance Supervision and Engineering		
44	569 Maintenance of Structures		
45	570 Maintenance of Station Equipment		
46	571 Maintenance of Overhead Lines		
47	572 Maintenance of Underground Lines		
48	573 Maintenance of Miscellaneous Transmission Plant		
49	**Total Maintenance**	-	-
50	**Total Transmission Expenses**	**15,969,125**	**1,671,679**

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	1,076,297	36,283
4	581 Load Dispatching	281,569	(203,881)
5	582 Station Expenses	571,898	129,626
6	583 Overhead Line Expenses	613,382	29,121
7	584 Underground Line Expenses		
8	585 Street Lighting and Signal System Expenses		
9	586 Meter Expenses	173,223	13,549
10	587 Customer Installations Expenses		
11	588 Miscellaneous Distribution Expenses	459,245	16,857
12	589 Rents		
13	**Total Operation**	**3,175,614**	**21,555**
14	**Maintenance:**		
15	590 Maintenance Supervision and Engineering		-
16	591 Maintenance of Structures		
17	592 Maintenance of Station Equipment		
18	593 Maintenance of Overhead Lines	1,561,012	586,408
19	594 Maintenance of Underground Lines	24,048	(32,706)
20	595 Maintenance of Line Transformers	331,530	142,555
21	596 Maintenance of Street Lighting and Signal Systems		
22	597 Maintenance of Meters		
23	598 Maintenance of Miscellaneous Distribution Plant	412,713	(2,188)
24	**Total Maintenance**	**2,329,303**	**694,069**
25	**Total Distribution Expenses**	**5,504,917**	**715,624**
26	**CUSTOMER ACCOUNTS EXPENSES**		
27	**Operation:**		
28	901 Supervision		
29	902 Meter Reading Expenses		
30	903 Customer Records and Collection Expenses	1,081,613	(212,264)
31	904 Uncollectable Accounts	35,550	(6,151)
32	905 Miscellaneous Customer Accounts Expenses		
33	**Total Customer Accounts Expenses**	**1,117,163**	**(218,415)**
34	**SALES EXPENSES**		
35	**Operation:**		
36	911 Supervision		
37	912 Demonstrating and Selling Expenses		
38	913 Advertising Expenses		
39	916 Miscellaneous Sales Expense	2,342,076	699,500
40	**Total Sales Expenses**	**2,342,076**	**699,500**
41	**ADMINISTRATIVE AND GENERAL EXPENSES**		
42	**Operation:**		
43	920 Administrative and General Expenses	1,974,774	(63,577)
44	921 Office Supplies and Expenses	16,285	7,781
45	922 Administrative Expenses Transferred - Cr		
46	923 Outside Services Employed	940,430	(15,087)
47	924 Property Insurance	428,186	44,804
48	925 Injuries and Damages	32,543	28,820
49	926 Employees Pensions and Benefits	758,037	(4,008,495)
50	928 Regulatory Commission Expenses		
51	929 Duplicate Charges - Cr		
52	930 Miscellaneous General Expenses	424,594	167,407
53	931 Rents	201,320	6,778
54	**Total Operation**	**4,776,169**	**(3,831,569)**

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		1,452,881	(270,331)
4	**Total Maintenance**		**1,452,881**	**(270,331)**
5	**Total Administrative and General Expenses**		**6,229,050**	**(4,101,900)**

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			-
12	Other Power Supply Expenses	44,566,942		44,566,942
13	**Total Power Production Expenses**	**44,566,942**		**44,566,942**
14	Transmission Expenses	15,969,125	-	15,969,125
15	Distribution Expenses	3,175,614	2,329,303	5,504,917
16	Customer Accounts Expenses	1,117,163		1,117,163
17	Sales Expenses	2,342,076		2,342,076
18	Administrative and General Expenses	4,776,169	1,452,881	6,229,050
19				
20	**Total Electric Operation and Maintenance Expenses**	**71,947,089**	**3,782,184**	**75,729,273**

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)		93.30%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts	$	9,410,832
23	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)		76

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	1,655,433	1,655,433							
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28	**TOTAL**	1,655,433	1,655,433							

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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41					
42					
43					
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.....	810,924			810,924
4	Contract Work - Street Lights.....				
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	**810,924**			**810,924**
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to major				
15	classes of cost).....	90,103			90,103
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**	**90,103**			**90,103**
51	**Net Profit (or Loss)**	**901,027**			**901,027**

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								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21				None				
22								
23								
24								
25								
26								
27								
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29								
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32								
33								
34								
35								
36								
37								
38								
39								
40								
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)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
			None					1
	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	NUC. MIX ONE - SEABROOK	O	X	Town Line		293	KW	
4	NUC. 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	BRAINTREE WATSON UNIT	FP		Town Line				
10	ENE CONSULTING FEES			Town Line				
11	NEXTERA	O	X	Town Line				
12	MINUTEMAN ENERGY STORAG	O		Town Line				
13	HQ PH.1 TRANS. SUPP. VEC	O	X	Town Line				
14	HQ PH.1 TRANS. SUPP. NEE	O	X	Town Line				
15	HQ PH. 2	O	X	Town Line				
16	ISO -NE/ LNS			Town Line		54,498	KW	
17	ISO -NE OTHER			Town Line				
18	ALTUS	O		Town Line				
19	KEARSARGE	O		Town Line				
20	HYDRO PROJECTS	O	X	Town Line				
21	ROXWIND	O	X	Town Line				
22	SADDLEBACK WIND	O	X	Town Line				
23	JERICHO WIND	O	X	Town Line				
24	ONE BURLINGTON SOLAR	O		Town Line				
25	COOP RESALE (NGRID/MELD)							
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
	TOTALS					**139,292**		

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	371,512	668,707	55,468	51,987	776,163	2.0892	1
60 Minute	115,000	7,635,499	1,927,032	311,953	79,043	2,318,028	0.3036	2
60 Minute	115,000	2,361,252	52,011	10,952	2,361	65,325	0.0277	3
60 Minute	115,000	24,294,612	791,299	160,206	24,415	975,919	0.0402	4
60 Minute	115,000	17,315,215	563,495	114,181	18,969	696,645	0.0402	5
60 Minute	115,000	53,618,492	1,186,183	248,693	3,653	1,438,529	0.0268	6
60 Minute	115,000	6,613,584	149,242	30,675	451	180,368	0.0273	7
60 Minute	115,000	27,877,958	(20,495)	138,122	527,907	645,534	0.0232	8
60 Minute	115,000	2,281,326	1,404,593	393,967		1,798,561	0.7884	9
60 Minute	115,000	0	365,158			365,158	0.0000	10
60 Minute	115,000	371,131,892		13,906,045		13,906,045	0.0375	11
60 Minute	115,000	0	314,831		314,831	629,662	0.0000	12
60 Minute	115,000	0	4,138			4,138	0.0000	13
60 Minute	115,000	0	15,932			15,932	0.0000	14
60 Minute	115,000	0	(435,636)			(435,636)	0.0000	15
60 Minute	115,000	22,209,734	9,803,332	3,367,852	14,664,954	27,836,138	1.2533	16
60 Minute	115,000	0		2,478		2,478	0.0000	17
60 Minute	115,000	1,487,431		116,096		116,096	0.0781	18
60 Minute	115,000	2,297,490		172,312		172,312	0.0750	19
60 Minute	115,000	111,628,741		6,872,125		6,872,125	0.0616	20
60 Minute	115,000	1,837,782		159,887		159,887	0.0870	21
60 Minute	115,000	15,155,385	(14,016)	888,550		874,534	0.0577	22
60 Minute	115,000	7,471,717		594,829		594,829	0.0796	23
60 Minute	115,000	2,872,871		216,936		216,936	0.0755	24
60 Minute	115,000	153,028		29,806		29,806	0.1948	25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS	**678,615,521**	**16,775,810**	**27,791,132**	**15,688,571**	**60,255,513**	**0.0888**	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			Amount of Settlement
					Received	Delivered	Net Difference	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	ISO-NE	NO	NEPEX	115,000	22,209,734		22,209,734	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				**TOTALS**	**22,209,734**	**0**	**22,209,734**	**0**

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)						Amount (k)
13	NEPEX	Kwh Received	Adjusted Net Interchange					0
14								
15								
16								
17								
18		Kwh Delivered	Adjusted Net Interchange					22,209,734
19								
20								
21							**TOTALS**	**22,209,734**

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			656,405,787
9		{ In (gross)	0	
10	Interchanges	{ Out (gross)	22,209,734	
11		{ Net (Kwh)		22,209,734
12		{ Received		
13	Transmission for/by others (Wheeling	{ Delivered		
14		{ Net (kwh)		
15	**TOTAL**			**678,615,521**
16	**DISPOSITION OF ENERGY**			
17	Sales to ultimate consumers (including interdepartmental sales)			653,903,780
18	Sales for resale			4,440,568
19	Energy furnished without charge			
20	Energy used by the company (excluding station use)			
21	Electric department only			636,000
22	Energy losses:			
23	Transmission and conversion losses		19,635,173	
24	Distribution losses			
25	Unaccounted for losses		0	
26	Total energy losses			19,635,173
27	Energy losses as percent of total on line 15	2.89%		
28	Losses within RMLD system	0.00%	**TOTAL**	**678,615,521**

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in killowatt-hours) for the combined sources of electric energy of respondent.
2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a breif explanation as to the nature of the emergency.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

_____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	97,415	Friday	29	1100	Integrated	56,131,297
30	February	98,284	Monday	1	1400	Integrated	52,105,253
31	March	92,600	Tuesday	2	1800	Integrated	52,879,116
32	April	83,677	Friday	16	1600	Integrated	48,069,705
33	May	131,253	Wednesday	26	1700	Integrated	52,044,282
34	June	167,460	Tuesday	29	1400	Integrated	66,015,161
35	July	149,952	Friday	16	1400	Integrated	64,461,859
36	August	156,504	Thursday	26	1400	Integrated	70,919,027
37	September	124,081	Wednesday	15	1400	Integrated	56,034,824
38	October	88,190	Thursday	14	1400	Integrated	51,091,212
39	November	88,472	Tuesday	30	1600	Integrated	51,965,526
40	December	95,269	Wednesday	22	1800	Integrated	56,898,259
41						**TOTAL**	**678,615,521**

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.
						1
						2
						3
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						5
						6
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						42

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							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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35							
36							
37							

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 (l)	Steam Pressure at Throttle p.s.l.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
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											36
				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 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)
1							
2							
3							
4							
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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							
Design Head (h)	R.P.M. (l)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Fre-quency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)	Total Installed Generating Capacity in Kil-owatts (name plate ratings) (q)	Line No.
										1
										2
										3
										4
										5
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										38
						TOTALS				39

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

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

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1							
2							
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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 (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)	Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
									1
									2
									3
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					TOTALS				38
									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 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 (l)	Other (j)		
1												
2												
3												
4												
5												
6												
7												
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28	TOTALS											

TRANSMISSION LINE STATISTICS

Reposrt information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage	Type of Supporting Structure	Length (Pole Miles)		Number of Circuits	Size of Conductor and Material
	From (a)	To (b)	(c)	(d)	On Structures of Line Designated (e)	On Structures of Another Line (f)	(g)	(h)
1	Woburn/	Causeway Rd.	115 kV	Single	.4458 Miles	No	1.00	795 MCM
2	Reading	Reading		Wood Poles	2,354 feet			ALL ALUM
3	211-503							
4								
5	Woburn/	Causeway Rd.	115 kV	Single	.4100 Miles	No	1.00	795 MCM
6	Reading	Reading		Wood Poles	2,165 feet			ALL ALUM
7	211-504							
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47				TOTALS				

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

SUBSTATIONS

1. Report below rhe 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)	Conversion Apparatus and Special Equipment Number Of Units (j)	Conversion Apparatus and Special Equipment 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											
19											
20											
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30											
31											
32											

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	381.35	0.00	381.35
2	Added During Year	0.66		0.66
3	Retired During Year	0.00		0.00
4	Miles - End of Year	382.01	0.00	382.01
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	30,659	31,407	**4,592**	329,763
17	Additions during year:				
18	Purchased		152	91	6,335
19	Installed	112			
20	Associated with Utility Plant Acquired				
21	**Total additions**	**112**	**152**	**91**	**6,335**
22	Reduction During Year:				
23	Retirements	98	353	231	19,745
24	Associated with Utility Plant Sold				
25	**Total Reductions**	**98**	**353**	**231**	**19,745**
26	**Number at End of Year**	**30,673**	**31,206**	**4,452**	**316,353**
27	In Stock		533	0	0
28	Locked Meters on Customers' Premises				
29	Inactive Transformers on System				
30	In Customers' Use		30,673		
31	In Company's Use				
32	**Number at End of Year**		**31,206**	**4,452**	**316,353**

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						
2		156.25 miles	48.37 miles	13.8 kv		
3			.3 miles	34.5 kv		
4			103.59 miles	7.97 kv		
5			0.82 miles	2.4 kv		
6			1.4 miles	240 kv		
7			1.77 miles	4.16 kv		
8						
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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 / LED		High Press. Sodium	
			Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Reading	2,601	0	0	0	0	2,601	0	0	0
2	Lynnfield	826	0	0	0	0	826	0	0	0
3	North Reading	2,043	0	0	0	0	2,043	0	0	0
4	Wilmington	2,976	0	0	1	0	2,975	0	0	0
5										
6										
7										
8										
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52	**TOTALS**	**8,446**	**0**	**0**	**1**	**0**	**8,445**	**0**	**0**	**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
2021-11-01	295	SOLAR CHOICE RIDER		
2022-01-01	296	RESIDENTIAL SCHEDULE A RATE		
2022-01-01	299	RESIDENTIAL TIME-OF-USE SCHEDULE A2 RATE		
2022-01-01	297	COMMERICIAL SCHEDULE C RATE		
2022-01-01	298	INDUSTRIAL TIME-OF-USE SCHEDULE I RATE		
2022-01-01	300	SCHOOL SCHEDULE SCH RATE		
2022-01-01	292	EFFICIENCY ELECTRIFICATION CHARGE		
		SEE ATTACHED SCHEDULE		

Solar Choice Rider

Available in:

Reading, Lynnfield Center, North Reading, and Wilmington

Applicable to:

The Solar Choice Program is RMLD's implementation of the Community Shared Solar model which meets Mass DOER eligibility criteria to qualify as a Community Shared Solar Generation Unit as defined under 225 CMR 14.02.

The Solar Choice (SC) Rate is available to all customers of good credit standing receiving service under any rate schedule of RMLD, subject to availability of the Solar Choice Program capacity.

This rate will be an additional component to the customer's existing RMLD rate.

The Solar Choice Business (SCB) Rate and Solar Choice Business Plus are available to all commercial, industrial and municipal customers of good credit standing, subject to availability of Solar Choice Program capacity.

SCB will be equal to 5 times the amount of Solar Choice.

SCB Plus will be equal to multiples of SCB up to 25% of project capacity, subject to availability.

The initial SC Rate upon launching a Solar Choice project shall be $5.00/month (initial SCB Rate shall be $25.00/month), but will be adjusted every six months based on actual project performance. The SC/SCB Rate will be the net total of SC/SCB Component Charges and Credits calculated prior to each six-month period based on budgeted expenses/savings from the SC/SCB Programs and will be trued up to actual expenses/savings, with any adjustment being carried forward to the next six-month period using the formulas defined below.

SC/SCB Energy Component Charge:

> SC/SCB Energy Component, in $/kWh/Month = (SC/SCB Project PPA Rate) — (Fuel Charge Rate)
>
> Monthly SC/SCB Project Solar Production per SC/SCB share = (The total monthly solar production, in kWh, produced by the SC/SCB Project) / (Total number of SC/SCB shares for that SC/SCB Project)
>
> SC/SCB Energy Component Charge, in S/Month = (SC/SCB Energy Component) x (Monthly SC/SCB Project Solar Production per SC/SCB share)

Rate Filed: October 6, 2021
Effective: On Billings on or After November 1, 2021
Filed By: Coleen M. O'Brien, General Manager

Note: For any month where the Fuel Charge Rate is greater than or equal to the SC/SCB Project PPA Rate, the SC/SCB Energy Component Charge will be a Credit for that month.

SC/SCB Capacity Component Credit:

For each six-month period, the SC/SCB Capacity Component Credit will be calculated based on the actual solar production output of the SC/SCB Project for that period and any Capacity Payment savings earned as a result of the SC/SCB Project output will be paid out as credits during the following six-month period.

The SC/SCB Capacity Component Credit will be calculated as follows:

SC/SCB Capacity Component Credit per SC/SCB share, in $ = (The total Capacity Payment or other Program savings, in $, earned for that period as a result of the solar power produced by the SC/SCB Project during the Capacity Peak Hour) / (Total number of SC/SCB shares for that SC/SCB Project)

SC/SCB Transmission Component Credit:

For each six-month period, the SC/SCB Transmission Component Credit will be calculated based on the actual solar production output of the SC/SCB Project for the completed six-month period and any Transmission Payment savings earned for that period as a result of the SC/SCB Project output will be paid out as credits during the following six-month period.

The SC/SCB Transmission Component Credit will be calculated as follows:

SC/SCB Transmission Component Credit per SC/SCB share, in $ = (The total Transmission Payment savings, in $, earned for that period as a result of the solar power produced by the SC/SCB Project during Transmission Peak Hours) / (Total number of SC/SCB shares for that SC/SCB Project)

SC/SCB Rate:

The SC/SCB Rate will be the total SC/SCB Charge/Credit, calculated as shown below. This Charge or Credit will be added to each participating customer's monthly bill.

SC/SCB Rate = (SC/SCB Energy Component Charge, in $) — (SC/SCB Capacity Component Credit, in $) — (SC/SCB Transmission Component Credit, in $)

Note: For any specific month, this total bill adjustment may be positive (cost to the customer) or negative (savings to the customer).

Terms:

A customer electing to be billed under this rate must be of good credit standing and shall remain on this rate for a minimum of ten years. After ten years on this rate a customer may elect to remain on this rate or discontinue it. If the RMLD does not receive an SC/SCB Rate termination request from the customer, it will be assumed that the customer elects to continue to be billed under this rate.

A thirty-day notice is required from customers who will no longer be able to participate in the SC/SCB Rate.

Since the number of participants/SC/SCB shares are limited for each SC/SCB Project, shares will be issued on a "first come/first served" basis and/or through a "lottery" system at the discretion of the RMLD. The RMLD will maintain a "waiting list" which will be used to replace any customers who must leave the program and/or for new SC/SCB Projects as they become available.

Any customers joining an SC/SCB Project after the first twelve months of that SC/SCB Project will be charged a one-time enrollment administrative fee of $30.00. After that enrollment fee has been paid, they will then begin receiving the current monthly SC/SCB Rate program billing adjustment.

This rate will be subject to termination in the event that the RMLD is unable to procure power from the SC/SCB Project, or costs become prohibitive.

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.

RMLD

Reading Municipal Light Department
RELIABLE POWER

230 Ash Street, P.O. Box 150
Reading, MA 01867-0250

781-942-6598 | 781-944-1340
www.rmld.com

December 1, 2021

Commonwealth of Massachusetts
Department of Public Utilities
One South Station
Boston, Massachusetts 02110

To Whom It May Concern:

The Town of Reading Municipal Light Department is filing changes to the following rate structure in order to be compliant with Massachusetts General Law:

- Efficiency Electrification Charge, MDPU #292 supersedes and cancels MDPU #208
- Residential Schedule A Rate, MDPU #296 supersedes and cancels MDPU #279
- Commercial Schedule C Rate, MDPU #297 supersedes and cancels MDPU #282
- Industrial Time-of-Use Schedule I Rate, MDPU #298 supersedes and cancels MDPU #283
- Residential Time-of-Use Schedule A2 Rate, MDPU #299 supersedes and cancels MDPU #280
- School Schedule SCH Rate, MDPU #300 supersedes and cancels MDPU #284

Kindly return one copy of each rate schedule stamped by the MDPU "received" for our files.

Sincerely yours,

Town of Reading
Municipal Light Department

Coleen M. O'Brien
General Manager

Enclosure: 1 rate schedules x 2 copies

Efficiency and Electrification Charge (EEC)

The Efficiency and Electrification Charge (EEC) per kWh, applicable to retail customers billed, will be calculated based on the projected annual efficiency and electrification programs expenses, divided by the projected annual retail sale of kilowatt-hours.

Adjustments will be made periodically to account for over and under recovery of efficiency and electrification program costs associated with an evolving mix of programs and levels of customer participation in same.

Rate Filed: **December 1, 2021**
Effective: **On Billings on or After January 1, 2022**
Filed By: **Coleen O'Brien, General Manager**

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:
$5.43 per month

Distribution Energy Charge:
$.07214 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.

Rate Filed: December 1, 2021
Effective: On Billings on or After January 1, 2022
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 # 297 supersedes and cancels MDPU # 282

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, commercial, or municipal 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:
$8.24 per month.

Distribution Demand Charge:
$8.8617 per Kilowatt for all demand usage.

Distribution Energy Charge:
$0.01829 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.

Rate Filed: December 1, 2021
Effective: On Billings on or After January 1, 2022
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 1,500 kVA 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.

Primary 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's demand and consumption charges but in no case will such 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 # 298 supersedes and cancels MDPU # 283

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, commercial, or municipal 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:
$41.53 per month.

Distribution Demand Charge:
$11.0627 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.

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.

Rate Filed: December 1, 2021
Effective: On Billings on or After January 1, 2022
Filed By: Coleen M. O'Brien, General Manager

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

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.

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 1,500 kVA 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.

Primary 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's demand and consumption charges but in no case will such discount be allowed if the metering voltage is less than 2,400 volts.

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.

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:
$8.48 per month.

Distribution Energy Charge:
$.04324 per Kilowatt-hour for all Kilowatt-hours 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 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.

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.

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 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, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

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.

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:
$7.66 per month.

Distribution Demand Charge:
$7.56 per Kilowatt for all demand usage.

Distribution Energy Charge:
$.01265 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.

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.

Rate Filed: December 1, 2021
Effective: On Billings on or After January 1, 2022
Filed By: Coleen M. O'Brien, General Manager

School Schedule SCH 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.

Customer Transformer Ownership:
A customer requiring a minimal transformer capacity of over 1,500 kVA 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.

Primary 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's demand and consumption charges 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.

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

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... *Mayor.*

..... *Manager of Electric Light*

Coleen M. O'Brien, General Manager

..... *Selectmen*

Robert Coulter, Chair

..... *or*

Philip B. Pacino, Vice Chair

..... *Members*

John Stempeck

..... *of the Municipal*

David Talbot

..... *Light Board*

Marlena Bita

ERICA MORSE
Notary Public
Massachusetts
My Commission Expires
Mar 30, 2029

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

Middlesex ss

Then personally appeared... ~~Coleen O'Brien~~ retired Gregory J. Phipps general manager

Robert Coulter

Phillip Pacino

John Stempeck

David Talbot

Marlena Bita

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

Janet S. Walsh, Esq
Notary Public
My Commission Expires June 24, 2022
Commonwealth of Massachusetts

..... *Notary Public or Justice of the Peace*