

# **The Commonwealth of Massachusetts**

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## **Return**

of the

## **Municipal Light Department of**

the Town of

**Concord, MA**

to the

## **The Commonwealth of Massachusetts**

## **Department of Public Utilities**

For the year ended December 31,

**2019**

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

Matthew Cummings  
Official title: Financial Manager  
Office address: 1175 Elm Street  
P.O. Box 1029  
Concord, MA  
01742-1029

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**ANNUAL REPORT****3**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

1. Name of town (or city) making this report. Concord
2. If the town (or city) has acquired a plant, NONE
- Kind of plant, whether gas or electric.
- Owner from whom purchased, if so acquired.
- Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws
- Record of votes: First vote: Yes, ; No, Second vote: Yes, ; No,
- Date when town (or city) began to sell gas and electricity, 1898
3. Name and address of manager of municipal lighting:
- Stephen Crane, 22 Monument Square, Concord, MA 01742
4. Name and address of mayor or selectpersons:
- Michael Lawson, 22 Monument Square, Concord, MA 01742 Chair
- Linda Escobedo, 22 Monument Square, Concord, MA 01742
- Jane Hotchkiss, 22 Monument Square, Concord, MA 01742
- Susan Bates, 22 Monument Square, Concord, MA 01742
- Terri Ackerman, 22 Monument Square, Concord, MA 01742
5. Name and address of town (or city) treasurer:
- Kerry Lafleur, 22 Monument Square, Concord, MA. 01742
6. Name and address of town (or city) clerk:
- Kaari Mai Tari, 22 Monument Square, Concord, MA 01742
7. Names and addresses of members of municipal light board:
- Wendy Rovelli, 1175 Elm St, Concord, MA 01742 Chair
- Alice Kaufman, 1175 Elm St, Concord, MA 01742
- Peggy Briggs, 1175 Elm St, Concord, MA 01742
- Lynn Salinger, 1175 Elm St, Concord, MA 01742
- Gordan Brockway, 1175 Elm St, Concord, MA 01742
8. Total valuation of estates in town (or city) according to last state valuation \$ 7,000,805,199
9. Tax rate for all purposes during the year: FY 2020 \$ 14.23
10. Amount of Director's salary: \$ 168,211
11. Amount of manager's bond: n/a
12. Amount of salary paid to members of municipal light board (each) n/a

## ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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**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**

<b>INCOME FROM PRIVATE CONSUMERS:</b>			
1	FROM SALES OF GAS.....		NONE
2	FROM SALE OF ELECTRICITY.....		25,928,426.59
3			
4		<b>TOTAL</b>	<b>25,928,426.59</b>
5	<b>Expenses:</b>		
6	For operation, maintenance and repairs.....		26,259,453.64
7	For interest on bonds, notes or scrip.....		111,083.97
8	For depreciation fund ( 3% on \$59,302,293.93 as per page 8B).....		1,811,058.95
9	For sinking fund requirements.....		-
10	For note payments.....		-
11	For bond payments.....		670,416.65
12	For loss in preceding year.....		
13		<b>TOTAL</b>	<b>28,852,013.21</b>
14			
15	<b>Cost:</b>		
16	Of gas to be used for municipal buildings.....		
17	Of gas to be used for street lights.....		
18	Of electricity to be used for municipal buildings.....		1,525,293.16
19	Of electricity to be used for street lights.....		36,479.74
20	Total of above items to be included in the tax levy.....		<b>1,561,772.90</b>
21			
22	New construction to be included in the tax levy.....		
23	Total amounts to be included in the tax levy.....		<b>1,561,772.90</b>
<b>CUSTOMERS</b>			
<b>Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each</b>		<b>Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each</b>	
City or town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
		Concord	8,253
		Lincoln	7
		Acton	8
<b>TOTAL</b>		<b>TOTAL</b>	<b>8,268</b>

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**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{	n/a
*At	meeting	19	, to be paid from{	n/a

**FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:**

1.	Street lights	.....	36,480
2.	Municipal buildings	.....	1,525,293
<b>TOTAL</b>			<b>\$ 1,561,772.90</b>

\*Date of meeting and whether regular or special

[Here insert bonds, notes or tax levy]

**CHANGES IN THE PROPERTY**

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

**In electric property:**

1. Purchased a new 2019 truck, International MV607 with Terex 50 ft material handling aerial lift.  
Traded in an old 2000 truck, International 4900 with Terex 50 ft material handling aerial lift.
2. Designed and installed a three-phase underground electric system, including ductbank, in order to convert Circuit 223-H6 between electric manhole 109 Lexington Rd and riser pole 17 Lexington Rd to underground including the 600 Amp trunk and 200 Amp distribution systems.
3. Designed a single-phase electric distribution system to facilitate the overhead to underground conversion along the first section of Cambridge Tpke between Lexington Rd and #215 Cambridge Tpke and installed the proposed underground ductbank.
4. Relocated the existing single-phase overhead primary electric line at #449 Strawberry Hill Rd to facilitate their new underground electric service.
5. Designed and installed a single-phase underground secondary electric extension to facilitate the three new faculty-housing units located along Oates Lane on the Middlesex School main campus.
6. Installed two electric vehicle charging stations: Laws Brook Rd Municipal Parking Lot and Commonwealth Ave Municipal Parking Lot.
7. Utilizing the existing conduit systems in the Walden St and Keyes Rd Municipal Parking Lots, installed new LED lights and subsequent underground electric service to facilitate said lights.
8. Designed and installed a single-phase primary electric distribution system at #525 Lexington Rd.
9. Designed and installed a three-phase underground primary and secondary electric distribution system to facilitate the proposed Library Expansion Project located at #129 & #151 Main St.
10. Designed and installed a three-phase underground primary and secondary electric distribution system to facilitate the proposed Nashawtuc Country Club Clubhouse Renovation project located at #1861 Sudbury Rd.
11. Relocated the following two utility poles within the Town right-of-way: Pole 3 Warner St and Pole 2 West St.

**In gas property:**

n/a



# ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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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		Rate	Interest		Amount Outstanding
			Amounts	When Payable			When Payable	
4-3-1905	5-1-1905	3,000.00		PAID			PAID	
4-2-1906	5-1-1906	5,000.00		PAID			PAID	
4-1-1907	10-1-1907	2,000.00		PAID			PAID	
4-6-1908	11-2-1908	6,000.00		PAID			PAID	
4-5-1909	4-5-1909	2,000.00		PAID			PAID	
4-1-1912	6-1-1912	8,000.00		PAID			PAID	
5-6-1913	10-1-1913	15,000.00		PAID			PAID	
3-14-1957	11-1-1957	60,000.00		PAID			PAID	
6-14-1971	2-20-1974	150,000.00		PAID			PAID	
4-27-2005	7-28-2005	500,000.00		PAID			PAID	
4-27-2005	5-4-2006	700,000.00		PAID			PAID	
4-27-2009	5-27-2010	4,000,000.00		PAID			PAID	
4-23-2012	6-27-2013	1,200,000.00		PAID			PAID	
4-23-2012	12-19-2013	2,635,000.00		PAID			PAID	
TOTAL			\$0.00					\$0.00
The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.								
*Date of meeting and whether regular or special								

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

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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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).

**TOTAL COST OF PLANT - ELECTRIC**

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>1. INTANGIBLE PLANT</b>	2,086,402.06	-	-			2,086,402.06
2							
3		2,086,402.06	0.00	0.00	0.00	0.00	2,086,402.06
4							
5	<b>2. PRODUCTION PLANT</b>						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines & Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	<b>Total Steam Production Plant</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	<b>Total Nuclear Production Plant</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00



## ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## 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	<b>Total Hydraulic Production Plant</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
10	D. Other Production Plant						
11	340 Land and Land Rights	918,445.18	-	-			918,445.18
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	<b>Total Other Production Plant</b>	\$ 918,445.18	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 918,445.18
19	<b>Total Production Plant</b>	\$ 918,445.18	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 918,445.18
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights	497,588.75	-	-			497,588.75
22	352 Structures and Improvements	2,000,607.31	-	188,664.29			1,811,943.02
23	353 Station Equipment	2,763,282.57	55,213.30	-			2,818,495.87
24	357 Underground Conduits	421,793.11	-	-			421,793.11
25	358 Underground Conductors & Devices	487,720.07	-	-			487,720.07
26	<b>Total Transmission Plant</b>	\$ 6,170,991.81	\$ 55,213.30	\$ 188,664.29	\$ 0.00	\$ 0.00	\$ 6,037,540.82
27	<b>3A. SUBTRANSMISSION PLANT</b>						
28	352ST Structures and Improvements	211,474.35	2,634.90	-			214,109.25
29	353ST Station Equipment	1,293,959.84	-	955,115.71			338,844.13
30	357ST Underground Conduits	2,829,991.75	-	-			2,829,991.75
31	358ST Undergrnd Conductors & Devices	2,000,454.82	-	-			2,000,454.82
32	<b>Total Subtransmission Plant</b>	\$ 6,335,880.76	\$ 2,634.90	\$ 955,115.71	\$ 0.00	\$ 0.00	\$ 5,383,399.95

# ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## TOTAL COST OF PLANT - ELECTRIC (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land and Land Rights	186,275.00	-	-			186,275.00
3	361 Structures and Improvements	783,688.70	-	-			783,688.70
4	362 Station Equipment	827,302.11	-	-			827,302.11
5	363 Storage Battery Equipment	-	-	-			0.00
6	364 Poles, Towers and Fixtures	1,586,703.51	842,517.39	824,160.88			1,605,060.02
7	365 Overhead Conductors and Devices	3,507,215.11	156,755.08	14,783.26			3,649,186.93
8	366 Underground Conductors	12,469,009.47	186,992.37	16,040.14			12,639,961.70
9	367 Underground Conductors & Devices	7,015,480.97	45,584.24	5,861.72			7,055,203.49
10	368 Line Transformers	4,560,370.57	11,487.70	216,005.90			4,355,852.37
11	369 Services	1,577,613.94	89,476.30	8,521.69			1,658,568.55
12	369C Services Conversion overhead to undgrnd						
13	370 Meters						
14	371 Installation on Cust's Premises	582,500.03	233,180.00	206,180.00			609,500.03
15	373 Street Light and Signal Systems	1,055,426.28	2,245.30	-			1,057,671.58
16	<b>Total Distribution Plant</b>	1,055,426.28	2,245.30	-			1,057,671.58
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land Rights	1,258,670.99	269,067.96	67,554.43			1,460,184.52
19	390 Structures and Improvements	5,787,489.08	587,486.20	-			6,374,975.28
20	391 Office Furniture and Equipment	680,882.07	366,216.45	49,861.07			997,237.45
21	392 Transportation Equipment	2,022,856.00	267,765.00	130,619.29			2,160,001.71
22	393 Stores Equipment	145,395.10	-	-			145,395.10
23	394 Tools, Shop and Garage Equipment	120,682.05	6,446.97	-			127,129.02
24	395 Laboratory Equipment	159,590.27	-	-			159,590.27
25	396 Power Operated Equipment	93,308.52	-	-			93,308.52
26	397 Communication Equipment	5,501,389.06	25,064.11	795.87			5,525,657.30
27	398 Miscellaneous Equipment	85,662.31	13,212.62	-			98,874.93
28	399 Computer Equipment	-	-	-			0.00
29	<b>Total General Plant</b>	14,597,254.46	1,266,191.35	181,276.23			15,682,169.58
30	<b>Total Electric Plant in Service</b>	65,587,822.90	3,161,438.84	2,684,496.49			66,064,765.25
31						Total Cost of Electric Plant	66,064,765.25
32						Less Cost of Land, Land Rights, Rights of Way	\$1,602,308.93
33						Total Cost upon which Depreciation is based	64,462,456.32
34						Total Cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land values, should be taken as a basis for figuring depreciation.	

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**COMPARATIVE BALANCE SHEET Assets and Other Debits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	UTILITY PLANT			
2	101 Utility Plant - Electric (P.17)	36,874,697.14	38,536,836.89	1,662,139.75
3	101 Utility Plant - gas (P.20)	-	-	-
4	123 Investment in Associated Companies	-	-	-
5	Total Utility Plant	36,874,697.14	38,536,836.89	1,662,139.75
6				
7	121 Non Utility Property	-	-	-
8				
9	FUND ACCOUNTS			
10	124 Other Investments .....	353,765.61	353,765.61	-
11	125 Sinking Funds	-	-	-
12	126 Depreciation Fund (P. 14)	4,420,297.32	3,609,449.66	(810,847.66)
13	128 Other Special Funds	4,487,080.11	5,874,652.72	1,387,572.61
14				
15	Total Funds	9,261,143.04	9,837,867.99	576,724.95
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14)	7,039,594.05	6,189,986.85	(849,607.20)
18	132 Special Deposits + 134	-	60,628.73	60,628.73
19	135 Working Funds 131A UG Fund	-	-	-
20	141 Notes and Receivable	-	-	-
21	142 Customer Accounts Receivable	2,439,227.91	2,268,038.02	(171,189.89)
22	143 Other Accounts Receivable	92,407.41	64,895.62	(27,511.79)
23	146 Receivables from Municipality	2,688.97	50,820.94	48,131.97
24	154 Materials and Supplies (P.14)	968,066.05	1,111,236.23	143,170.18
25	165 Prepayments	1,668,776.76	1,886,757.73	217,980.97
26	174 Miscellaneous Current Assets	1,041,749.49	1,386,296.04	344,546.55
27	Total Current and Accrued Assets	13,252,510.64	13,018,660.16	(233,850.48)
28	DEFERRED DEBITS			
29	181 Unamortized Debt Discount	-	-	-
30	182 Extraordinary Property Losses	-	-	-
31	186 Other Deferred Debits	1,143,242.00	2,998,019.00	1,854,777.00
32	Total Deferred Debits	1,143,242.00	2,998,019.00	1,854,777.00
33				
34	Total Assets and Other Debits	60,531,592.82	64,391,384.04	3,859,791.22

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	APPROPRIATIONS			
2	201 Appropriations for Construction			
3	SURPLUS			
4	205 Sinking Fund Reserves	-	-	-
5	206 Loan Repayments	2,950,000.00	3,620,416.65	670,416.65
6	207 Appropriations for Construction Repayments	-	-	-
7	208 Unappropriated Earned Surplus (P.12)	42,070,452.93	41,991,682.88	(78,770.05)
8	Total Surplus	45,020,452.93	45,612,099.53	591,646.60
9	LONG TERM DEBT			
10	221 Bonds (P.6)	4,750,000.00	4,272,000.00	(478,000.00)
11	231 Notes Payable (P.7)	-	-	-
12	Total Bonds and Notes	4,750,000.00	4,272,000.00	(478,000.00)
13	CURRENT AND ACCRUED LIABILITIES			
14	228 Appropriation of Benefit	1,181,495.61	3,668,223.68	2,486,728.07
15	232 Accounts Payable	2,955,297.02	3,399,426.26	444,129.24
16	234 Payables to Municipality	-	-	-
17	235 Customer Deposits	634,647.83	645,294.24	10,646.41
18	236 Taxes Accrued	38,210.01	12,646.88	(25,563.13)
19	237 Interest Accrued	18,656.25	16,422.68	(2,233.57)
20	242 Miscellaneous Current and Accrued Liabilities	5,335,662.02	5,503,756.22	168,094.20
21	Total Current and Accrued Liabilities	10,163,968.74	13,245,769.96	3,081,801.22
22	DEFERRED CREDITS			
23	251 Unamortized Premium on Debt	230,030.49	214,042.47	(15,988.02)
24	252 Customer Advances for Construction	101,312.91	86,686.41	(14,626.50)
25	253 Other Deferred Credits	992,460.00	557,284.00	(435,176.00)
26	Total Deferred Credits	1,323,803.40	858,012.88	(465,790.52)
27	RESERVES			
28	260 Reserves for Uncollectable Accounts	16,614.54	17,599.04	984.50
29	261 Property Insurance Reserve	-	-	-
30	262 Injuries and Damages Reserves	181,175.30	186,909.07	5,733.77
31	263 Pensions and Benefits	-	-	-
32	265 Miscellaneous Operating Reserves	-	-	-
33	Total Reserves	197,789.84	204,508.11	6,718.27
34	CONTRIBUTIONS IN AID OF CONSTRUCTION			
35	271 Contributions in Aid of Construction	-	-	-
36	Total Liabilities and Other Credits	61,456,014.91	64,192,390.48	2,736,375.57

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

Payment in Lieu of Taxes: 478,000.00

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenue (P.37)	28,181,341.56	728,860.46
3	Operating Expenses:		
4	401 Operation Expense (P.42)	25,332,965.98	764,675.64
5	402 Maintenance Expense (P. 42)	926,487.66	(139,687.83)
6	403 Depreciation Expense	1,811,058.95	(89,852.39)
7	407 Amortization of Property Losses	-	-
8			
9	408 Taxes (P.49)	-	-
10	Total Operating Expenses	28,070,512.59	535,135.42
11	Operating Income	110,828.97	193,725.04
12	414 Other Utility Operating Income (P.50)	-	-
13			
14	Total Operating Income	110,828.97	193,725.04
15	<b>OTHER INCOME</b>		
16	415 Income from Merch., Job.& Contract Work (P.51)	154,917.33	75,719.48
17	419 Interest Income	241,881.50	(4,319.82)
18	421 Miscellaneous Nonoperating Income	2,551.08	(1,540.56)
19	Total Other Income	399,349.91	(176,342.22)
20	Total Income	510,178.88	17,382.82
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	-	-
23	426 Other Income Deductions	14,865.60	22,281.83
24	Total Income Deductions	14,865.60	22,281.83
25	Income Before Interest Charges	495,313.28	(4,899.01)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	142,571.99	302,696.99
28	428 Amortization of Debt Discount and Expense	2,753.18	(27,184.84)
29	429 Amortization of Premium on Debt-Credit	(34,241.20)	(34,241.20)
30	431 Other Interest Expense	-	-
31	432 Interest Charged to Construction-Credit	-	-
32	Total Interest Charges	111,083.97	241,270.95
33	Net Income	384,229.31	(246,169.96)

## EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	Unapprop.Earned Surplus(at beginning of period)		42,070,452.93
35			
36			
37	433 Balance Transferred from Income	-	384,229.31
38	434 Miscellaneous Credits to Surplus (P.21)	-	-
39	435 Miscellaneous Debits to Surplus (P.21)	-	-
40	436 Appropriation of Surplus (P.21)	670,416.65	-
41	437 Surplus Applied to Depreciation	-	207,417.29
42	208 Unapprop. Earned Surplus(at end of period)	41,991,682.88	-
43			
44	TOTALS	42,662,099.53	42,662,099.53

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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

Line No.	Items (a)	Amount (b)
1	Operating Cash Fund.....	6,189,986.85
2	Underground Fund.....	2,172,212.13
3	Emergency Repairs Fund.....	1,130,000.00
4	Customer Deposit Fund.....	647,374.24
5	Customer Advance for Construction.....	86,686.41
6	Bond Fund.....	412,083.32
7	Interest Fund.....	87,774.86
8	Rate Stabilization Fund.....	347,952.64
9	Conservation Rebate Fund.....	-
10	Renewable Energy Credit Purchase Fund.....	803,623.49
11	Workers Compensation Insurance Fund.....	186,945.63
12	<b>TOTAL</b>	<b>\$ 11,565,869.84</b>

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

Line No.	Account (a)	Amount End of Year Electric (b)
13	151 Fuel (See Schedule, Page 25)	-
14	152 Fuel Stock Expenses	-
15	153 Residuals	-
16	154 Plant Materials & Operating Supplies	1,111,126.86
17	155 Merchandise	-
18	156 Other Materials and Supplies	-
19	157 Nuclear Fuel Assembly & Comp.	-
20	158 Nuclear Fuel Assembly & Comp.	-
21	159 Nuclear Byproduct Materials	-
22	163 Stores Expense	109.37
23	<b>TOTAL PER BALANCE SHEET</b>	<b>\$ 1,111,236.23</b>

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a) DEBITS	Amount (b)
24	Balance of account at beginning of year	4,420,297.32
25	Income during year from balance on deposit	68,408.29
26	Amount transferred from income	1,842,467.06
27	Amount transferred from underground fund	42,300.00
28	<b>TOTAL</b>	<b>6,373,472.67</b>
29	<b>CREDITS</b>	
30	Amount expended for constr. (Sec. 57, C. 164 of G.L.)	2,764,023.01
31	Amounts expended for renewals, viz:-	
32		
33		
38	<b>BALANCE ON HAND AT YEAR END</b>	<b>\$ 3,609,449.66</b>
39		

# ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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## 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 pre-

- ceding year. Such items should be included in column (c).
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

- effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	<b>1. INTANGIBLE PLANT</b>	1,209,379.21	-	(62,592.04)	-	-	1,146,787.17
2							
3							
4							
5							
6	<b>2. PRODUCTION PLANT</b>						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines & Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant Equipment						
15	<b>Total Steam Production Plant</b>	NONE					
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	<b>Total Nuclear Production Plant</b>	NONE					

# ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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## 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	<b>Total Hydraulic Production Plant</b>	<b>NONE</b>					
10	D. Other Production Plant						
11	340 Land and Land Rights.....	918,445.18	-	-	-	-	918,445.18
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Prod. & Access.						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Misc. Power Plant Equipment						
18	<b>Total Other Production Plant</b>		\$ 0.00	\$ 0.00		\$ 0.00	\$ 918,445.18
19	<b>Total Production Plant</b>	\$ 918,445.18	\$ 918,445.18	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1,836,890.36
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights.....	497,588.75	-	-	-	-	497,588.75
22	352 Structures and Improvements.....	627,144.19	-	(6,123.06)	(188,664.29)	-	432,356.84
23	353 Station Equipment.....	2,145,813.26	55,213.30	(81,503.06)	-	-	2,119,523.50
24	357 Underground Conduits.....	91,800.66	-	(10,174.52)	-	-	81,626.14
25	358 Underground Conductors and Devices	142,788.79	-	(13,748.25)	-	-	129,040.54
26	<b>Total Transmission Plant.....</b>	\$ 3,505,135.65	\$ 55,213.30	(\$ 111,548.89)	(\$ 188,664.29)	\$ 0.00	\$ 3,260,135.77
27	<b>3A. SUBTRANSMISSION PLANT</b>						
28	352ST Structures and Improvements.....	68,952.87	2,634.90	(5,985.62)	-	-	65,602.15
29	353ST Station Equipment.....	431,969.76	-	675,723.44	(955,115.71)	-	152,577.49
30	357ST Underground Conduits.....	1,175,624.60	-	(80,650.60)	-	-	1,094,974.00
31	358ST Underground Conductors and Devices	560,673.70	-	(56,327.29)	-	-	504,346.41
32	<b>Total Subtransmission Plant</b>	\$ 2,237,220.93	\$ 2,634.90	\$ 532,759.93	(\$ 955,115.71)	\$ 0.00	\$ 1,817,500.05



## ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## UTILITY PLANT - ELECTRIC (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land and Land Rights.....	186,275.00	-	-	-	-	186,275.00
3	361 Structures and Improvements.....	351,281.72	-	(19,245.35)	-	-	332,036.37
4	362 Station Equipment.....	423,419.54	-	(23,778.31)	-	-	399,641.23
5	363 Storage Battery Equipment.....	-	-	-	-	-	-
6	364 Poles, Towers and Fixtures.....	575,827.35	842,517.39	(38,868.46)	(824,160.88)	-	555,315.40
7	365 Overhead Conductors and Devices	1,818,860.26	156,755.08	(99,023.33)	(14,783.26)	-	1,861,808.75
8	366 Underground Conductors.....	8,949,892.58	186,992.37	(366,176.28)	(16,040.14)	-	8,754,668.53
9	367 Underground Conductors & Devices	3,645,694.25	45,584.24	(199,467.08)	(5,861.72)	-	3,485,949.69
10	368 Line Transformers.....	1,810,551.55	11,487.70	20,543.93	(216,005.90)	-	1,626,577.28
11	369 Services.....	1,338,581.42	89,476.30	(43,880.76)	(8,521.69)	-	1,375,655.27
12	369C Service Conversions-Ovhd to Undrgrnd.	348,476.35	233,180.00	(17,080.01)	(206,180.00)	-	358,396.34
13	370 Meters.....	631,702.74	2,245.30	(30,582.41)	-	-	603,365.63
14	371 Installation on Cust's Premises	34,628.89	92.95	(1,820.73)	(332.24)	-	32,568.87
15	372 Leased Prop. on Cust's Premises	-	-	-	-	-	-
16	373 Street Light and Signal Systems	755,695.73	269,067.96	21,505.18	(67,554.43)	-	978,714.44
17	<b>Total Distribution Plant</b>	<b>20,870,887.38</b>	<b>1,837,399.29</b>	<b>(797,873.61)</b>	<b>(1,359,440.26)</b>	-	<b>20,550,972.80</b>
18	<b>5. GENERAL PLANT</b>						
19	389 Land and Land Rights.....	-	-	-	-	-	-
20	390 Structures and Improvements.....	3,371,769.73	587,486.20	(167,562.25)	-	-	3,791,693.68
21	391 Office Furniture and Equipment.....	318,987.19	366,216.45	6,339.20	(49,861.07)	-	641,681.77
22	392 Transportation Equipment.....	572,463.14	267,765.00	88,616.06	(130,619.29)	-	798,224.91
23	393 Stores Equipment.....	145,395.10	-	(76,634.21)	-	-	68,760.89
24	394 Tools, Shop and Garage Equipment	57,865.22	6,446.97	(2,714.91)	-	-	61,597.28
25	395 Laboratory Equipment.....	97,715.99	-	(4,600.09)	-	-	93,115.90
26	396 Power Operated Equipment.....	41,338.46	-	(2,450.33)	-	-	38,888.13
27	397 Communication Equipment.....	4,032,072.84	25,064.11	(153,951.04)	(795.87)	-	3,902,390.04
28	398 Miscellaneous Equipment.....	77,598.21	13,212.62	(2,654.73)	-	-	88,156.10
29	399 Computer Equipment.....	-	-	-	-	-	-
30	<b>Total General Plant.....</b>	<b>8,715,205.88</b>	<b>1,266,191.35</b>	<b>(315,612.30)</b>	<b>(181,276.23)</b>	-	<b>9,484,508.70</b>
31	<b>Total Electric Plant in Service</b>	<b>36,246,895.02</b>	<b>3,161,438.84</b>	<b>(754,866.91)</b>	<b>(2,684,496.49)</b>	-	<b>37,178,349.67</b>
32	104 Utility Plant Leased to Others	-	-	-	-	-	-
33	105 Property Held for Future Use	-	-	-	-	-	-
34	107 Construction Work in Progress	627,802.12	2,473,195.03	-	(1,742,509.93)	-	1,358,487.22
35	<b>Total Utility Plant Electric</b>	<b>36,874,697.14</b>	<b>5,634,633.87</b>	<b>(754,866.91)</b>	<b>(4,427,006.42)</b>	-	<b>38,536,836.89</b>

## ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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**PRODUCTION FUEL AND OIL STOCKS (Included in Account 154)**  
**(EXCEPT NUCLEAR MATERIALS)**

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil		
			Quantity (c)	Cost (d)	Quantity (e)
1	On Hand Beginning of Year		NONE		
2	Received During Year				
3	<b>TOTAL</b>				
4	Used During Year (Note A)				
5					
6					
7					
8					
9					
10					
11	Sold or Transferred				
12	<b>TOTAL DISPOSED OF</b>				
13	<b>BALANCE END OF YEAR</b>				
Line No.	Item (g)		Kinds of Fuel and Oil - Continued		
			Quantity (h)	Cost (i)	Quantity (j)
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**MISCELLANEOUS NON-OPERATING INCOME (Account 421)**

Line No.	Item (a)	Amount (b)
1	Sale of Solar Renewable Energy Certificates	2,551.08
2		
4		
5		
6		
	TOTAL	2,551.08

**OTHER INCOME DEDUCTIONS (Account 426)**

Line No.	Item (a)	Amount (b)
7	Interest on Deposits	14,865.60
8		
9		
12		
13		
14		
	TOTAL	14,865.60

**MISCELLANEOUS CREDITS TO SURPLUS (Account 434)**

Line No.	Item (a)	Amount (b)
15	NONE	
16		
17		
18		
21		
22		
23		
	TOTAL	0.00

**MISCELLANEOUS DEBITS TO SURPLUS (Account 435)**

Line No.	Item (a)	Amount (b)
24	NONE	
25		
26		
30		
31		
32		
	TOTAL	0.00

**APPROPRIATIONS OF SURPLUS (Account 436)**

Line No.	Item (a)	Amount (b)
33	Appropriation to reduce tax levy	478,000.00
34	Appropriation for Repayment of Bonds	192,416.65
35		
37		
38		
39		
40	TOTAL	670,416.65

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## MUNICIPAL REVENUES (Account 482,444)

(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

Line No.	Acc't No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per M.C.F. (\$0.0000) (d)
1	482				
2					
3					
4		TOTALS	NONE		
Line No.		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per K.W.H. (cents) (0.0000) (d)
5	444	Municipal: (Other Than Street Lighting)	9,283,808	1,525,293.16	16.4296
6					
7		TOTALS	9,283,808	1,525,293.16	16.4296
8					
9		Street Lighting:	248,009	36,479.74	14.7090
10					
11		TOTALS	248,009	36,479.74	14.7090
12					
13					
17					
19		TOTALS	9,531,817	1,561,772.90	16.3848

## 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	Braintree Watson	Concord MA St.219@13800 Volts	960,687	887,200	92.3506
21	Canton Mountain	Concord MA St.219@13800 Volts	3,552,666	354,109	9.9674
22	Customer Net Metering	Concord MA customer pt.@13800 Volts	362,697	(13,551)	-3.7363
23	Granite Wind	Concord MA St.219@13800 Volts	2,637,388	177,549	
24	Hydro Quebec ICC	Concord MA St.219@13800 Volts	CAPACITY Only	(68,542)	n/a
25	FirstLight Hydro	Concord MA St.219@13800 Volts	4,608,099	225,119	
26	ISO Spot Market	Concord MA St.219@13800 Volts	19,415,999	6,411,776	33.0232
27	Kearsarge II Solar	Concord MA St.223H4@13800 Volts	7,049,700	472,330	6.7000
28	Kearsarge Solar	Concord MA St.223H4@13800 Volts	2,037,280	150,759	7.4000
29	Miller Hydro Group	Concord MA St.219@13800 Volts	5,711,226	287,826	5.0397
30	New Bedford Landfill	Concord MA St.219@13800 Volts	3,942,580	158,839	4.0288
31	NextEra	Concord MA St.219@13800 Volts	32,120,000	987,031	3.0729
32	Nugen Capital	Concord MA St.219@13800 Volts	1,377,895	87,837	6.3747
33	PASNY Hydro Power	Concord MA St.219@13800 Volts	8,382,704	95,352	1.1375
34					
35	Saddleback Ridge Wind	Concord MA St.219@13800 Volts	5,158,269	436,969	8.4712
36	Shell Energy	Concord MA St.219@13800 Volts	67,728,042	3,252,498	4.8023
37	Solect Solar	Concord MA St.223H4@13800 Volts	465,530	38,328	8.2332
38	Spruce Mountain Wind	Concord MA St.219@13800 Volts	5,570,390	509,195	9.1411
39		TOTALS	171,081,152	14,450,623.38	8.4466

## SALES FOR RESALE (Account 447)

Line No.	Names of Utilities from Which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Revenues per K.W.H. (cents) (0.0000) (e)
40					
41					
42					
43		TOTALS	n/a	n/a	n/a

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Year Ended: Dec 31, 2019

ELECTRIC OPERATING REVENUES (Account 400)

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.

[illegible]

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (Per Bills Rendered)	
						July 31 (e)	December 31 (f)
1	440-R1	Residential	65,976,000	10,625,544.12	0.1611	6,581	6,841
2	440-R2	Residential w/Contrld Wtr Ht	208,121	266,716.32	1.2815	350	39
3	440-R3	Residential Off Peak	2,914,362	116,336.27	0.0399	n/a	n/a
4	440-R4	Residential Farm	-	5,435.27	#DIV/0!	4	3
5	442-G1-1	Small General	12,163,554	2,095,021.84	0.1722	1,103	1,102
6	442-G1-2	General w/Contrld Wtr Ht	n/a	n/a	x	x	x
7	442-21OP	Small General W Controlled ETS Heat	n/a	n/a	x	x	x
8	442-G1-4	Small General Farm	-	5,435.27	#DIV/0!	4	3
9	442-G2-1	Medium General	25,251,147	3,975,368.46	0.1574	145	167
10	442-G2OP	Med. General W Controlled ETS Heat	n/a	n/a	x	x	x
11	442-G2-4	Medium General Farm	-	18,567.09	#DIV/0!	1	1
12	442-G3-1	Large General	48,213,098	6,870,036.56	0.1425	21	28
13	442-PL	Private Area Lighting	-	1,676.04	0.0000	8	7
14	444-G1	Municipal Small General	391,304	70,680.22	0.1806	44	44
15	444-G2	Municipal Medium General	4,044,285	677,041.21	0.1674	20	20
16	444-G3	Municipal Large General	4,848,219	777,571.73	0.1604	5	5
17	444-SL	Municipal Street Lights	248,009	36,479.74	0.1471	1	1
18	445	Unbilled Revenue	x	344,546.55	x	x	x
19	449-1	Provision for Rate Refund	x	{497,074.42}	x	x	x
20	449-15	Provision for Rate Stabilization	x	539,044.32	x	x	x
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE CONSUMERS						
49	(page 37 Line 11)		164,258,099	25,928,426.59	0.1579	8,287	8,261

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year.

2. If the increases and decreases are not derived from previously reported figures explain in footnote.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering		
5	501 Fuel		
6	502 Steam expenses		
7	503 Steam from other sources		
8	504 Steam transferred - Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	Total operation	None	
13	Maintenance:		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of structures		
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	Total maintenance	None	
20	Total power production expenses-steam power	None	
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam expenses		
27	521 Steam from other sources		
28	522 Steam transferred - Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	Total operation	None	
33	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of structures		
36	530 Maintenance of reactor plant equipment		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	Total maintenance	None	
40	Total power production expenses-nuclear power	None	
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses		
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	Total operation	None	

(continued on page 40)

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES-Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - Continued	\$	\$
2	Maintenance:		
3	541 Maintenance supervision and engineering		
7	545 Maintenance of misc. hydraulic plant		
8	Total maintenance	None	
9	Total power production exp.-hydraulic power	None	
10	OTHER POWER GENERATION		
11	Operation		
12	546 Operation supervision and engineering		
13	547 Fuel		
14	548 Generation Expenses		
15	549 Misc. other power generation expense		
16	550 Rents		
17	Total Operation	None	
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21	553 Maintenance of generating and electric plant		
22	554 Maintenance of misc. other power generation plant		
23	Total Maintenance	None	
24	Total power production exp.-other power	None	
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	14,450,623.38	(1,698,724.93)
27	556 System control and load dispatching	-	-
28	557 Other expenses	5,122,975.04	1,347,298.18
29	Total other power supply expenses	19,573,598.42	2,384,769.29
30	Total power production expenses	19,573,598.42	2,384,769.29
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering		
34	561 Load dispatching	670.50	670.50
35	562 Station expenses	31,996.44	(9,658.02)
36	563 Overhead line expenses		
37	564 Underground line expenses		
38	565 Transmission of electricity by others		
39	566 Miscellaneous transmission expenses		
40	567 Rents		
41	Total Operation	32,666.94	26,554.40
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment	56,451.22	(11,478.78)
46	571 Maintenance of overhead lines		
47	572 Maintenance of underground lines	-	
48	573 Maintenance of misc. transmission plant		
49	Total maintenance	56,451.22	(29,840.14)
50	Total transmission expenses	89,118.16	(3,285.74)



## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES-Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES	\$	\$
2	Operation:		
3	580 Operation supervision & engineering	-	-
4	581 Load dispatching	204,693.64	39,491.65
5	582 Station expenses	7,530.49	7,120.10
6	583 Overhead line expenses	9,317.41	(10,072.34)
7	584 Underground line expenses	-	-
8	585 Street light and signal system exp.	-	-
9	586 Meter expenses	66,982.70	34,954.14
10	587 Customer installations expenses	-	-
12	589 Rents	9,800.98	306.03
13	Total operation	298,325.22	71,799.58
14	Maintenance:		
15	590 Supervision	95,491.28	36,467.98
16	591 Maintenance of structures	-	-
17	592 Maintenance of station equipment	15,966.96	(9,344.94)
18	593 Maintenance of overhead lines	289,292.32	(148,785.18)
19	594 Maintenance of underground lines	137,900.63	(39,405.34)
20	595 Maintenance of line transformers	179.99	(1,290.01)
21	596 Maintenance of street light & signal sys.	41,902.63	4,997.06
22	597 Maintenance of meters	-	-
23	598 Maintenance of misc. distribution plant	2,781.17	1,803.04
24	Total maintenance	583,514.98	(157,027.39)
25	Total distribution expenses	881,840.20	(85,227.81)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	66,413.55	3,002.79
29	902 Meter reading expenses	45,391.00	9,094.66
30	903 Customer records & collection expenses	297,163.84	59,254.87
31	904 Uncollectable accounts	48,673.44	61,494.19
32	906 Customer service & Information	102,575.31	(2,979.19)
	908 Consumer education	44,529.76	1,397.29
	909 Info & instructional services	452,494.22	(136,284.55)
	910 Miscellaneous customer service	384.00	0.00
33	Total customer accounts expenses	1,057,625.12	(5,019.94)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	-	-
37	912 Demonstrating and selling expenses	-	-
38	913 Advertising expenses	-	-
39	916 Miscellaneous sales expenses	-	-
40	Total sales expenses	-	-
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	1,771,965.30	419,543.23
44	921 Office supplies and expenses	362,913.52	21,044.87
46	923 Outside services employed	124,802.61	(166,734.96)
47	924 Property insurance	53,783.99	1,407.69
48	925 Injuries and damages	20,772.00	(375.38)
49	926 Employee pensions and benefits	2,005,995.68	858,119.51
50	928 Regulatory commission expenses	-	-
51	929 Duplicate charges - Cr	-	-
52	930 Miscellaneous general expenses & 934	1,289.30	(57,737.90)
53	931 Rents	29,227.88	(16,956.79)
54	Total operation	4,370,750.28	1,058,310.27

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: 12/31/2019

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES-Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE & GENERAL EXPENSES-Continued		
2	Maintenance:		
3	932 Maintenance of general plant	294,260.19	20,226.06
4	933 Transportation expense	(7,738.73)	(2,058.99)
5	Total Maintenance	286,521.46	18,167.07
6	Total admin. and general expenses	4,657,271.74	1,076,477.34
7	Total Electric Operation & Maintenance Expenses	26,259,453.64	624,987.81

## SUMMARY OF OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power			
14	Other Power Supply Expenses	19,573,598.42		19,573,598.42
15	Total Power Production Expenses	19,573,598.42	-	19,573,598.42
16	Transmission Expenses	32,666.94	56,451.22	89,118.16
17	Distribution Expenses	298,325.22	583,514.98	881,840.20
18	Customer Accounts Expenses	1,057,625.12	-	1,057,625.12
19	Sales Expenses	-	-	-
20	Administrative and General Expenses	4,370,750.28	286,521.46	4,657,271.74
21	Power Production Expenses	-	-	-
22	Total Electric Operation and Maintenance Expenses	25,332,965.98	926,487.66	26,259,453.64

23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%))

Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42, Line 22(d), Depreciation (Acct 403) and Amortization (Acct 407)).....

99.61%

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

\$ 3,814,812.41

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

39.00

## ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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## TAXES CHARGED DURING YEAR

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final 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 sub-account.

5. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis of 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)
1								
2	N/A							
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23	TOTAL							

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**OTHER UTILITY OPERATING INCOME (Account 414)**

Report below the particulars called for in each column

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: 12/31/2019

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

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts, allowances and returns.....				
3					
4	Contract work.....	265,974.68			265,974.68
5	Commissions.....				
6	Other(list according to major classes)				
7					
8					
9					
10	Total Revenues	265,974.68			265,974.68
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major classes of cost).....				
15					
16					
17	Labor	48,661.57			48,661.57
18	Transportation	24,831.10			24,831.10
19	Materials	37,564.68			37,564.68
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	111,057.35	-	-	111,057.35
51	Net Profit (or loss)	154,917.33	-	-	154,917.33

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**SALES FOR RESALE (Account 447)**

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

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Non-associated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G,

and place an "X" in column (c) if sale invoices export across a state line.

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

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

Line No.	Sales to	Statistical Classification	Export Across State Lines	Point of Delivery	Sub-station	Kw or Kva of Demand (Specify Which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	NONE							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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26								
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28								
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30								
31								
32								
33								
34								
35								

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## SALES FOR RESALE (Account 447) - Continued

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

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
NONE								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
	TOTALS	0	\$0	\$0	\$0	\$0	0.0000	35

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**PURCHASED POWER (Account 555)**

1. Report power purchased for resale during the year: Authorities. For each purchase designate statistical class- Exclude from this schedule and report on page 56 purchase in column (b), thus firm power, FP; dump or concerning interchange power transactions during the surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.

2. Provide subheadings and classify purchases as 13. Report separately firm, dump, and other power purchased (1) Associated Utilities, (2) Non-associated Utilities, from the same company. Describe the nature of any purchases Associated Non-utilities, (4) Other Non-utilities, (5) Non-classified as Other Power, column (b). Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public

Line No.	Purchased From	Statistical Classification	Import Across State Lines	Point of Receipt	Sub-station	Kw of Demand		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2	<b>Non-associated Utilities:</b>							
3	NextEra	FP	X	Station #219		11,000		
4	N Y Power Au	FP	X	Station #219		1,135		
5	ISO Spot Mark	FP	X	Station #219				
6	Miller Hydro	FP	X	Station #219	O			
7	Granite Wind	FP	X	Station #219	W			
8	Spruce Mount	FP	X	Station #219	N			
9	FirstLight Hydr	FP	X	Station #219	E			
10	Saddleback R	FP	X	Station #219	D			
11	Kearsage Solar	FP		Station #223 H4				
12								
13	Shell Energy	FP	X	Station #219				
14	Nugen Capital	FP	X	Station #219				
15	New Bedford L	FP	X	Station #219				
16	Canton Mount	FP	X	Station #219				
17	Kearsarge II S	FP		Station #223 H4				
18	Solect Solar	FP		Station #223 H4				
19	Hydro Quebec	FP	X	Station #219		721		
20								
21	<b>Other Non-Utilities:</b>							
22	Customer Net	FP		Customer Pt				
23								
24								
25	<b>Municipalities:</b>							
26	Braintree Wats	FP		Station #219	OWNED	9,205		
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								



## ANNUAL REPORT

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Town of Concord Municipal Light

Year Ended:

Year Ended: Dec 31, 2019

## PURCHASED POWER (Account 555) - Continued

(except interchange power)

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

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

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

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

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

Type of Demand Reading	Voltage at Which Delivered	Kilowatt-hours	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000]	Line No.
			Charges	Energy Charges	Other Charges *	Total		
(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
60 minute	13.8K	32,120,000	463,980	1,245,817	(722,766)	987,031	3.0729	1
60 minute	13.8K	8,382,704	145,572	41,685	(91,905)	95,352	1.1375	2
60 minute	13.8K	19,415,999	5,398,687	1,013,089	-	6,411,776	33.0232	3
60 minute	13.8K	5,711,226	-	287,826	-	287,826	5.0397	4
60 minute	13.8K	2,637,388	-	177,549	-	177,549	6.7320	5
60 minute	13.8K	5,570,390	-	552,861	(43,666)	509,195	9.1411	6
60 minute	13.8K	4,608,099	-	225,119	-	225,119	4.8853	7
60 minute	13.8K	5,158,269	-	478,074	(41,105)	436,969	8.4712	8
60 minute	13.8K	2,037,280	-	150,759	-	150,759	7.4000	9
60 minute	13.8K	67,728,042	-	3,252,498	-	3,252,498	4.8023	10
60 minute	13.8K	1,377,895	-	87,837	-	87,837	6.3747	11
60 minute	13.8K	3,942,580	-	158,839	-	158,839	4.0288	12
60 minute	13.8K	3,552,666	-	360,002	(5,893)	354,109	9.9674	13
60 minute	13.8K	7,049,700	-	472,330	-	472,330	6.7000	14
60 minute	13.8K	465,530	-	38,328	-	38,328	8.2332	15
60 minute	13.8K	-	-	-	(68,542)	(68,542)		16
60 minute	13.8K	362,697	-	(13,551)	-	(13,551)	(3.7363)	17
60 minute	13.8K	960,687	1,181,813	204,574	(499,187)	887,200	92.3506	18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
TOTALS		171,081,152	7,190,052	8,733,636	(1,473,064)	14,450,623.53	8.4466	

\* Value of Capacity Credit

## ANNUAL REPORT

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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## INTERCHANGE POWER (Included in Account 555)

1. Report below the Kilowatt-hours received and delivered during the year and the net change or credit under interchange power agreements.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Non-associated Utilities, (3) Associated Non-utilities, (4) Other Non-utilities, (5) Municipalities, (6) R.E.A., Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "X" in column (b).
3. Particulars of settlements for interchange power

shall be furnished in Part B. Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

## A. Summary of Interchange According to Companies and points of Interchange

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				0	0	0	0

## B. Details of Settlement for Interchange Power

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

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## 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	<b>SOURCES OF ENERGY</b>	
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	
8	Purchases.....	177,858,362
9	{ In (gross).....	
10	Interchanges..... { Out (gross).....	
11	{ Net (Kwh).....	
12	{ Received.....	
13	Transmission for/by others (wh..... { Delivered.....	
14	{ Net (kwh).....	
15	TOTAL.....	177,858,362
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales).....	165,767,929
18	Sales for resale.....	
19	Energy furnished with out charge.....	
20	Energy used by the company (excluding station use).....	631,344
21	Electric department only.....	631,344
22	Energy losses:	
23	Transmission and conversion losses.....	
24	Distribution losses.....	11,459,089
25	Unaccounted for losses.....	
26	Total energy losses.....	11,459,089
27	Energy losses as percent of total on line 15..... 6.44%	
28	<b>TOTAL</b>	<b>177,858,362</b>

## MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.

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

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)

4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.

5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

## Monthly Peak

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4) (g)
29	January	30,426	Tuesday	21	5pm-6pm	60 Minute Interval	17,059,625
30	February	27,878	Wednesday	1	7am-8am	60 Minute Interval	13,330,777
31	March	25,846	Wednesday	6	6pm-7pm	60 Minute Interval	14,257,140
32	April	21,747	Friday	9	6pm-7pm	60 Minute Interval	12,622,227
33	May	24,288	Tuesday	20	5pm-6pm	60 Minute Interval	13,444,508
34	June	29,581	Monday	28	6pm-7pm	60 Minute Interval	14,158,816
35	July	37,184	Tuesday	30	6pm-7pm	60 Minute Interval	17,630,036
36	August	35,697	Wednesday	19	3pm-4pm	60 Minute Interval	17,974,629
37	September	29,766	Thursday	23	6pm-7pm	60 Minute Interval	14,572,657
38	October	22,461	Wednesday	7	6pm-7pm	60 Minute Interval	13,395,163
39	November	25,682	Tuesday	13	5pm-6pm	60 Minute Interval	14,089,365
40	December	28,646	Thursday	19	5pm-6pm	60 Minute Interval	15,323,418
41						<b>TOTAL</b>	<b>177,858,361</b>

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Hw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)

2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.

3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.

5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.

6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.

7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine)	<b>NONE</b>		
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)			
3	Year originally constructed			
4	Year last unit was installed			
5	Total installed capacity (maximum generator name plate ratings in kw)			
6	Net peak demand on plant-kilowatts (60 min.)			
7	Plant hours connected to load			
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water			
10	(b) When limited by condenser water			
11	Average number of employees			
12	Net generation, exclusive of station use			
13	Cost of plant (omit cents):			
14	Land and land rights			
15	Structures and improvements			
16	Reservoirs, dams, and waterways			
17	Equipment costs			
18	Roads, railroads, and bridges			
19	Total cost			
20	Cost per kw of installed capacity			
21	Production expenses:			
22	Operation supervision and engineering			
23	Station labor			
24	Fuel			
25	Supplies and expenses, including water			
26	Maintenance			
27	Rents			
28	Steam from other sources			
29	Steam transferred - Credit			
30	Total production expenses			
31	Expenses per net Kwh (5 places)			
32	Fuel: Kind			
33	Unit: (coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)			
34	Quantity (units) of fuel consumed			
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)			
36	Average cost of fuel per unit, del. f.o.b. plant			
37	Average cost of fuel per unit consumed			
38	Average cost of fuel consumed per million B.t.u.			
39	Average cost of fuel consumed per kwh net gen.			
40	Average B.t.u. per kwh net generation			
41				
42				

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

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

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
NONE						1
						2
						3
						4
						5
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					37	
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					40	
					41	
					42	

<ol style="list-style-type: none"> <li>1. Report the information called for concerning generating stations and equipment at end of year.</li> <li>2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Non-utility Property.</li> <li>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</li> </ol>	<p>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,</p>
---	--

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1	NONE						
2							
3							
4							
5							
6							
7							
8							
9							
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37							

# ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## STEAM GENERATING STATIONS - Continued

expenses or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name or lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

### Turbine-Generators\*

Year Installed (h)	Type (i)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
NONE											1
											2
											3
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											36
											37

### Note Reference:

\*Report cross-compound turbine-generator units on two lines - H.P. section and L.P. section.

+ Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and non-condensing (N.C.). Show back pressures.

\*\* Designate air cooled generators.

++ If other than 3 phase, 60 cycle, indicate other characteristics.

\*+ Should agree with column (m).

**ANNUAL REPORT**

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

**HYDROELECTRIC GENERATING STATIONS**

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

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

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1	NONE						
2							
3							
4							
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37							

\*Horizontal or vertical. Also indicate type of runner - Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).





## ANNUAL REPORT

## Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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

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

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

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	NONE						
2							
3							
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39							

## Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

65

(except nuclear stations)

4. Designate any generating station or portion thereof leased to another company and give name or lessee, date and term of lease and annual rent and how determined.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers - Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings) (p)	Line No.
Rated hp. of unit  (h)	Total Rated hp. of station Prime Movers  (i)	Year Installed  (j)	Voltage  (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts  (n)	Number of Units in Station  (o)		
NONE									1
									2
									3
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					TOTALS				39

**TOTALS**

**ANNUAL REPORT**  
Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

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

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.

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.

[illegible]

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	NONE							
2								
3								
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47	TOTALS							

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

# ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

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

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation In Kva (In Service) (f)	Number of Transformers in Service (g)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)			Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1										
2	Station #223 Main St	Dist.-Unattended	13.8	13.8		120,000	-			
3	Station #219 Forest Ridge Rd	Dist. & Sub-trans.-	115	13.8			2			
4		Unattended								
5										
6										
7										
8										
9										
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31										
32										
TOTALS						120,000	2			
TOTALS									-	-

## ANNUAL REPORT

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Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2019

## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles- Beginning of Year	107.92		107.92
2	Added During Year			0.00
3	Retired During Year			0.00
4	Miles-End of Year	107.92		107.92
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

## ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at beginning of year.....	8,257	10,033	2,458	174,546
17	Additions during year:				
18	Purchased.....		20	0	0
19	Installed.....	119			
20	Associated with utility plant acquired....				
21	Total Additions.....	119	20	0	0
22	Reductions during year:				
23	Retirements.....		117	244	13,950
24	Associated with utility plant sold.....				
25	Total Reductions.....	0	117	244	13,950
26	Number at End of Year.....	8,376	9,936	2,214	160,596
27	In stock.....		934	259	31,445
28	Locked meters on customers' premises.....				
29	Inactive transformers on system.....				
30	In customers' use.....		8,305	1,950	128,541
31	In company's use.....		72	5	600
32	Number at End of Year.....		9,311	2,214	160,596

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Town of Concord Municipal Light Plant										Year Ended: Dec 31, 2019
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		Operating Voltage (f)		
			Miles (C)	Operating Voltage (d)	Feet (e)					
1	Center of Concord	1.110	1.400	1PHASE 7970/13800						
2			5.540	3PHASE 7970/13800						
3										
4										
5	Sub-transmission	7.100	31.400	3PHASE 7970/13800						
6										
7										
8										
9	Distribution Circuits	16.560	42.810	3PHASE 7970/13800						
10										
11										
12										
13	Various URD Developments	1.000	0.890	1PHASE 2400/4160						
14			0.000	3PHASE 2400/4160						
15			25.800	1PHASE 7970/13800						
16			17.280	3PHASE 7970/13800						
17	West Concord Business Area	0.650	0.632	1PHASE 7970/13800						
18			4.037	3PHASE 7970/13800						
19										
20										
21	Route 2 Crossing at Route 62	0.942	1.714	3PHASE 7970/13800						
22										
23										
24										
25	TOTALS	53.162	164.153							
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33										
34										



## ANNUAL REPORT

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

## STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town	Total	TYPE													
			Incandescent		Mercury Vapor		Fluorescent		Hi-Press. Sodium		Mercury Halide		LED		TOTAL	
			Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	CONCORD	1,423	-	-	26	-	-	-	29	-	287	-	1,081	-	1,423	-
2																
3																
4																
5																
6																
7																
8																
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52	TOTALS	1,423	-	-	26	-	-	-	29	-	287	-	1,081	-	1,423	-

Next page is 79

Next page is 79

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

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Year Ended: Dec 31, 2019

**RATE SCHEDULE INFORMATION**

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

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decreases
January 1, 2019	418	Residential Service		
January 1, 2019	419	Residential Time of Use		
January 1, 2009	420	Small General Service		
January 1, 2019	421	Medium General Service		
January 1, 2019	422	Large General Service		
April 1, 2019	423	Residential Time of Use		
April 1, 2019	424	Residential Service - Electric Resistance & Heat Pump Heating Systems/DHW		
April 1, 2019	425	Small General Service		
April 1, 2019	426	Medium General Service		
April 1, 2019	427	Large General Service		
April 1, 2019	428	Residential Service - Rate Assistance Rider		
See Appendix for copies of Filed Rates				

## THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

x

  
Stephen Crane

Town Manager

x

  
David Wood

Director

x

  
Wendy Rovelli, ChairMembers  
of the  
Municipal  
Light  
Board

x

  
Alice Kaufman

x

  
Peggy Briggs

x

  
Lynn Salinger

x

  
Gordon Brockway

## APPENDIX

## CONCORD MUNICIPAL LIGHT PLANT ELECTRIC RATE SCHEDULES

### RATE RSL PRIVATE RENTAL OF PUBLIC STREET LIGHTING (ADOPT-A-LIGHT)

---

Mass DPU No. 295  
New Schedule

---

Effective: July 1, 2010

The Concord Municipal Light Plant (the "CMLP") shall charge and collect for private rental of public street lighting service under this rate schedule. The Underground Utilities Charge, the Energy Conservation Services Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

#### **Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "CMLP System").

#### **Applicability**

This rate schedule is applicable to year-round public street lighting service. Lighting fixtures and service to be provided pursuant to this rate schedule shall be on existing wood poles in the public right-of-way. Lamps will be operated approximately 4,300 hours per year per lamp from dusk to dawn as controlled by photoelectric devices.

#### **Monthly Rate**

Each street light fixture: \$17.00

The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

#### **Terms**

The Monthly Rates are net and are due on presentation. Charges under this rate will appear with charges for electric service rendered under another CMLP rate such as Residential or General Service. Charges will be calculated to match the billing term of that other rate.

#### **Effective Date:**

This rate schedule is effective for all bills issued on or after the effective date shown above.

#### **Interruption of Service**

The CMLP will make reasonable provisions to insure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power suppliers) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

#### **General Conditions:**

The CMLP will furnish, operate and maintain the facilities required for service under this rate schedule. The customer is solely responsible for notifying the CMLP of any required repairs or maintenance including lamp replacements. Service and necessary maintenance will be performed only during regularly scheduled working hours. No reduction in billing will be allowed for lamp outages.

Service at locations where existing CMLP System poles and facilities are not available will not be provided. Poles for service under this rate will not be installed in areas designated as underground. If an area is converted from overhead to underground and a pole containing an Adopt-a-Light is removed, service under this rate will be terminated effective with the next billing cycle.

#### Rate RSL

The above monthly rate includes the cost of energy. No lights will be installed under this rate where the electricity passes through the customer's meter.

#### **Special Conditions:**

The following conditions shall apply to all facilities installed by the CMLP under the rate schedule:

1. The cost of repairing facilities damaged by acts of vandalism shall be billed to the Customer at actual cost to the CMLP including all appropriate overhead costs.
2. Lighting facilities available under this rate shall be a 50 watt metal halide cobra head fixture with mounting arm and photo control.
3. If two or more customers want to share the cost of lighting under this rate, it is the responsibility of one of those customers to collect from the others. The CMLP shall render charges to only one (1) customer account.
4. The CMLP shall, at the request of the Customer, relocate existing equipment and the Customer shall reimburse the CMLP for the relocation at the CMLP's actual costs including all appropriate overhead costs.

#### **Term of Contract:**

A Customer requesting service under this rate schedule will be required to complete an application and agree to an initial minimum term of two (2) years.

If service is terminated within the initial two (2) years, the balance owed for the remaining contract time will become due and payable.

After the initial two (2) years, service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE PAL  
PRIVATE AREA LIGHTING**

Mass DPU No. 296

Effective: July 1, 2010

Replaces Mass DPU No. 278

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for outdoor lighting and floodlighting service for private property under this rate schedule. The Underground Utilities Charge, the Energy Conservation Services Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to year-round private outdoor lighting service. Lighting fixtures and service to be provided pursuant to this rate schedule shall be at locations that are easily and economically accessible to the CMLP equipment and personnel for construction and maintenance. Lamps will be operated approximately 4,300 hours per year per lamp from dusk to dawn as controlled by photoelectric devices.

**Monthly Rate**

<u>Flood Light</u>	<u>Nominal Lumens</u>	<u>Price per Lamp</u>
175 Watt Metal Halide	14,000	\$24.00
250 Watt Metal Halide	20,000	\$27.00

**Special Installation Charge:**

Pole Set Charge	\$4.00 per month
Overhead Wiring Charge	\$5.00 per 100 feet per month
Underground Wiring Charge	\$4.00 per 100 feet per month

The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered either monthly, bi-monthly or annually, at the sole discretion of the CMLP.

**Effective Date:**

This rate schedule is effective for all bills issued on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to insure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power suppliers) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System..

**General Conditions:**

The CMLP will furnish, operate and maintain the facilities required for service under this rate schedule. The customer is solely responsible for notifying the CMLP of any required repairs or maintenance including lamp replacements. Service and necessary maintenance will be performed only during regularly scheduled working hours. No reduction in billing will be allowed for lamp outages.

Service at locations where existing CMLP System poles and facilities are not available will be made at the discretion of the CMLP and at the Special Installation Charges, to recover the cost of installing poles and conductors and to recover increased cost of maintenance.

When the customer elects to put the wiring underground, the customer is responsible for having the trench and conduit installed.

The above monthly rates include the cost of energy. No lights will be installed under this rate where the electricity passes through the customer's meter.

**Special Conditions:**

The following conditions shall apply to all facilities installed by the CMLP under the rate schedule:

1. The cost of repairing facilities damaged by acts of vandalism shall be billed to the Customer at actual cost to the CMLP including all appropriate overhead costs.
2. The CMLP shall, at the request of the Customer, relocate or change existing equipment and the Customer shall reimburse the CMLP for any and all such relocation's or changes at the CMLP's actual costs including all appropriate overhead costs.
3. Extensions of any lighting facilities will be made by the CMLP only where, in the sole opinion of the CMLP, the annual revenues justify the estimated costs including all appropriate overhead costs.
4. New private area lighting facilities shall be of a form and substance consistent with the CMLP's approved standard configuration for private area lighting at the time of the Customer's application for service. Where a non-standard lighting configuration is requested by the Customer and agreed to by CMLP, all maintenance and replacement costs shall be paid by the Customer.

**Term of Contract:**

A Customer requesting service under this rate schedule will be required to complete an application and agree to an initial minimum term of two (2) years.

If service is terminated within the initial two (2) years, the balance owed for the remaining contract time will become due and payable.

After the initial two (2) years, service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE UUC  
UNDERGROUND UTILITIES CHARGE**

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Mass DPU No. 333  
Replaces Mass DPU No. 322

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Effective: March 1, 2011

The underground utilities charge calculated pursuant to this rate schedule is applicable to all bills rendered by the Concord Municipal Light Plant (the "CMLP"), other than bills rendered under Rate R-8. This charge helps pay for the cost of removing overhead electric facilities and placing them underground, in accordance with Town by-laws and state statutes.

**Charge**

1.5% of the total current charges on each bill excluding the Conservation And Renewable Energy Services Charge, any finance charge and sales tax.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**NYPA POWER COST ADJUSTMENT CLAUSE  
Rate Schedule - NYPA**

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Mass DPU No. 351  
Replaces Mass DPU No. 334

Effective: January 1, 2013

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So long as the Power Authority of the State of New York ("**NYPA**") makes electric power and energy available to the Concord Municipal Light Plant ("**CMLP**"), the NYPA Power Cost Adjustment Clause factor (the "**NPCA**") shall be calculated pursuant to this rate schedule and will be applicable to the first seventy five (75) kilowatthours of energy per month sold by CMLP to residential customers.

The CMLP will calculate the savings resulting from the use of NYPA power and energy each month and pass the savings along to residential customers through the NPCA.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE CARES  
CONSERVATION AND RENEWABLE ENERGY SERVICES**

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Mass DPU No. 371  
Replaces Mass DPU No. 332

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Effective: January 1, 2013

**Applicability**

The Conservation And Renewable Energy Services Charge calculated pursuant to this rate schedule is applicable to all bills rendered by the Concord Municipal Light Plant (the "**CMLP**"), other than bills rendered for street lighting and private area lighting services. This charge covers the cost of Conservation And Renewable Energy Services Programs required by the Commonwealth of Massachusetts amounting to not less than one quarter of one percent of an electric utility's total annual revenues.

**Monthly Charge**

The Monthly Charge will be 0.52% of the total current charges on each bill excluding the UUC charge, finance charge and sales tax.

**Terms**

When bills are rendered bi-monthly pursuant to each applicable rate schedule, the monthly Energy Conservation Service Charge will be multiplied by two (2).

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RESIDENTIAL AND GENERAL SERVICE – FARM DISCOUNT RIDER**

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Mass DPU No. 380  
Replaces Mass DPU No. 360

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Effective: May 1, 2015

**Availability**

Available to Residential and General Service customers that have been certified by the Massachusetts Department of Food and Agriculture as being eligible for the Farm Energy Discount Program. Once certified, this rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose on the farm including residential.

**Discount Program Rider**

A 10% discount shall be applied to the Meter Charge, Capacity and Transmission, Distribution and Energy Charges. All adjustment clauses, taxes, assessments or surcharges that applicable to the Residential and General Service tariffs shall remain in effect.

**Term of Contract**

Credits under this rider are subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**CONTROLLED WATER HEATING CREDIT RIDER**

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Mass DPU No. 382

Effective: May 1, 2015

Replaces Mass DPU No. 313

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**Applicability**

This rate schedule is applicable to Residential and General Service electric service required by the Customer, where the Customer uses electricity as the sole means of heating water for domestic purposes. The only supplemental means of heating water permitted under this rate is solar.

Service to electric water heaters for domestic purposes under this rate rider will be available for a minimum of 18 hours each day.

The electric water heating equipment installed must be approved and controlled by the CMLP and used exclusively for domestic purposes.

**Discount Program Rider**

A credit of \$14.87 shall be applied for each month the Customer meets the requirements listed in the Applicability section above.

**Term of Contract**

Credits under this rider are subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RESIDENTIAL SERVICE RIDER– NET METERING WITH BANKING RATE**

Mass DPU No. 383

Effective: May 1, 2015

Replaces Mass DPU No 378

The Concord Municipal Light Plant (the "CMLP") shall pay for energy delivered to the CMLP system from eligible, small scale generating sources including: solar, wind, and micro-turbine units which simultaneously generate electricity and recover heat.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "CMLP System").

**Applicability**

This rate schedule is applicable to all small-scale generation facilities with a net output of less than one hundred sixty seven (167) kilowatts of alternating current capacity as determined by CMLP.

This rate rider is only available for residential service.

**Rates and Credits**

Energy generated by the Customer under this rate will be netted against the energy normally purchased under the Residential Service Rate(s) from CMLP during the monthly billing period to the extent the generated energy does not exceed Customer purchases from CMLP. To the extent the generated energy exceeds the above purchases from CMLP during the billing period; CMLP will credit the Customer as follows: The credit for excess energy shall be determined by the avoided average monthly Day Ahead locational marginal price (DA-LMP) per kilowatt-hour applicable to Concord for wholesale power purchased from the ISO – New England. The Day Ahead price may vary with the source of customer generation at the discretion of CMLP. For example, the Day Ahead price for solar generation will be determined by calculating the average hourly DA price for the calendar month prior to the billing date based on the daytime hours between 9am and 4pm.

**Distribution Charge**

Installed Generation Capacity equal or greater than 2 kW but less than 4 kW AC	\$3.60 per month
Installed Generation Capacity equal or greater than 4 kW but less than 7 kW AC	\$6.60 per month
Installed Generation Capacity equal or greater than 7 kW but less than 10 kW AC	\$10.20 per month
Installed Generation Capacity equal or greater than 10 kW but less than 13 kW AC	\$13.80 per month

Rate Net Metering With Banking

Installed Generation Capacity equal or greater than 13 kW but less than 16 kW AC	\$17.40 per month
Installed Generation Capacity equal or greater than 16 kW but less than 19 kW AC	\$21.00 per month
Installed Generation Capacity equal or greater than 19 kW but less than 22 kW AC	\$24.60 per month
Installed Generation Capacity equal or greater than 22 kW but less than 25 kW AC	\$28.20 per month
Installed Generation Capacity equal or greater than 25 kW but less than 28 kW AC	\$31.80 per month
Installed Generation Capacity equal or greater than 28 kW but less than 31 kW AC	\$35.40 per month
Installed Generation Capacity equal or greater than 31 kW but less than 34 kW AC	\$39.00 per month
Installed Generation Capacity equal or greater than 34 kW but less than 37 kW AC	\$42.60 per month
Installed Generation Capacity equal or greater than 37 kW but less than 40 kW AC	\$46.20 per month
Installed Generation Capacity equal or greater than 40 kW but less than 46 kW AC	\$53.40 per month
Installed Generation Capacity equal or greater than 46 kW AC but less than 58 kW AC	\$67.80 per month
Installed Generation Capacity equal or greater than 58 kW AC but less than 82 kW AC	\$96.60 per month

#### Rate Net Metering With Banking

Installed Generation Capacity equal or greater than 82 kW AC but less than 130 kW AC	\$154.20 per month
Installed Generation Capacity equal or greater than 130 kW AC but less than 167 kW AC	\$198.60 per month

#### **Terms**

The credit for excess generation will be applied to the customer's account each month.

#### **Effective Date**

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

#### **Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**POWER COST ADJUSTMENT CLAUSE  
Rate Schedule PCA**

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Mass DPU No. 384  
Replaces Mass DPU No. 349

Effective: May 1, 2015

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The Power Cost Adjustment calculated pursuant to this rate schedule is applicable to all energy delivered by the Concord Municipal Light Plant (the "**CMLP**"), other than the energy supplied for municipal street lighting service, private area lighting service. The prices for the above energy assume a base cost for power supply of \$0.10000 per kWh. Revenue adjustments are made through the PCA factor to reflect the difference between the actual cost of power supply and the base cost. The PPA factor is applied, as required, in order to equate actual power supply costs with revenues collected through the base rate while maintaining a reserve balance to cover short term power supply costs fluctuations.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE PAL  
PRIVATE AREA LIGHTING**

Mass DPU No. 385

Effective: May 1, 2015

Replaces Mass DPU No. 296

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for outdoor lighting and floodlighting service for private property under this rate schedule. The Underground Utilities Charge, the Energy Conservation Services Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to year-round private outdoor lighting service. Lighting fixtures and service to be provided pursuant to this rate schedule shall be at locations that are easily and economically accessible to the CMLP equipment and personnel for construction and maintenance. Lamps will be operated approximately 4,300 hours per year per lamp from dusk to dawn as controlled by photoelectric devices.

**Monthly Rate**

<u>Flood Light</u>	<u>Nominal Lumens</u>	<u>Price per Lamp</u>
175 Watt Metal Halide	14,000	\$22.73
250 Watt Metal Halide	20,000	\$25.57

**Special Installation Charge:**

Pole Set Charge	\$4.00 per month
Overhead Wiring Charge	\$5.00 per 100 feet per month
Underground Wiring Charge	\$4.00 per 100 feet per month

The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered either monthly, bi-monthly or annually, at the sole discretion of the CMLP.

**Effective Date:**

This rate schedule is effective for all bills issued on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to insure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power suppliers) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System..

**General Conditions:**

The CMLP will furnish, operate and maintain the facilities required for service under this rate schedule. The customer is solely responsible for notifying the CMLP of any required repairs or maintenance including lamp replacements. Service and necessary maintenance will be performed only during regularly scheduled working hours. No reduction in billing will be allowed for lamp outages.

Service at locations where existing CMLP System poles and facilities are not available will be made at the discretion of the CMLP and at the Special Installation Charges, to recover the cost of installing poles and conductors and to recover increased cost of maintenance.

When the customer elects to put the wiring underground, the customer is responsible for having the trench and conduit installed.

The above monthly rates include the cost of energy. No lights will be installed under this rate where the electricity passes through the customer's meter.

**Special Conditions:**

The following conditions shall apply to all facilities installed by the CMLP under the rate schedule:

1. The cost of repairing facilities damaged by acts of vandalism shall be billed to the Customer at actual cost to the CMLP including all appropriate overhead costs.
2. The CMLP shall, at the request of the Customer, relocate or change existing equipment and the Customer shall reimburse the CMLP for any and all such relocation's or changes at the CMLP's actual costs including all appropriate overhead costs.
3. Extensions of any lighting facilities will be made by the CMLP only where, in the sole opinion of the CMLP, the annual revenues justify the estimated costs including all appropriate overhead costs.
4. New private area lighting facilities shall be of a form and substance consistent with the CMLP's approved standard configuration for private area lighting at the time of the Customer's application for service. Where a non-standard lighting configuration is requested by the Customer and agreed to by CMLP, all maintenance and replacement costs shall be paid by the Customer.

**Term of Contract:**

A Customer requesting service under this rate schedule will be required to complete an application and agree to an initial minimum term of two (2) years.

If service is terminated within the initial two (2) years, the balance owed for the remaining contract time will become due and payable.

After the initial two (2) years, service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

Rate G-1, G-2, and G-3 NET MTR

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES  
GENERAL SERVICE – NET METERING RATE**

Mass DPU No. 407

Effective: March 1, 2018

Replaces Mass DPU Nos. 345, 374, 376

The Concord Municipal Light Plant (the "**CMLP**") shall pay for energy delivered to the CMLP system from eligible renewable generating sources including: solar, wind, and micro-turbine units which simultaneously generate electricity and recover heat.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all small-scale generation facilities with a net output greater than 10kW but less than 167kW of alternating current capacity as determined by CMLP.

This rate schedule is only available for commercial service.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase and include metering equipment capable of recording energy flows to and from the CMLP distribution system. In addition, the installation must be in compliance with CMLP's Interconnection Agreement.

**Monthly Rate**

Meter Charge	Shall be the charge under the applicable General Service rate tariff
Distribution Charge	Shall be the charge under the applicable General Service rate tariff
Demand Charge	Shall be the charge under the applicable General Service rate tariff
Capacity & Transmission Charge	Shall be the per kilowatt hour charge under the applicable General Service tariff. The billing units shall be calculated by subtracting the amount of power produced by the Customer from the amount of

power purchased from CMLP; except to the extent the Customer produces more power than it purchases from CMLP in which case the billing units shall be zero. No credits will be given for Capacity & Transmission charges when the energy generated exceeds the purchases from CMLP during the billing period.

**Energy Charge**

Energy generated by the Customer under this rate will be netted against the energy normally purchased under the applicable billing tariff from CMLP during the monthly billing period to the extent the generated energy does not exceed customer purchases from CMLP. To the extent the generated energy exceeds the above purchases from CMLP during the billing period; CMLP will credit the Customer as follows: The credit for excess energy shall be determined by the avoided average monthly Day Ahead locational marginal price (DA-LMP) per kilowatt-hour applicable to Concord for wholesale power purchased from the ISO – New England. The Day Ahead price may vary with the source of customer generation at the discretion of CMLP. For example, the Day Ahead price for solar generation will be determined by calculating the average hourly DA price for the calendar month prior to the billing date based on the daytime hours between 9am and 4pm.

**Terms**

The calculated credit for generation will be rendered monthly. The credit will be applied to the customer's bill. If the total credit amount exceeds the amount due, then the credit balance will be applied to the following bill's amount due. If there is a bill credit for two or more consecutive bill periods, the customer may request the credit to be paid in the form of a check.

**Effective Date**

This rate schedule is effective for all generation on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the

premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-3  
RESIDENTIAL SERVICE – OFF PEAK**

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Mass DPU No. 413

Effective: September 1, 2018

Replaces Mass DPU No. 403

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The Concord Municipal Light Plant (the "CMLP") shall charge and collect for residential off-peak service with Electric Thermal Storage on the basis of this rate schedule. The Power Cost Adjustment Clause and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "CMLP System"). Under this rate, service is available for off peak Electric Thermal Storage (ETS with the following provisions. Service will only be made available during the hours defined below and will be at the off peak rate. Service may be available at other times, at CMLP's sole option, depending on system loads. Loads served under this rate may not be served under other CMLP rates, must be controlled by the CMLP, be acceptable to the CMLP and make a positive contribution towards improving the CMLP system load factor.

**Applicability**

This rate schedule is applicable to all off-peak electric service required by the Customer and offered by the CMLP. The electrical connection of any equipment or appliance(s) installed so as to use energy under this rate must be inspected and approved by the CMLP. The electrical supply to the equipment or appliance(s) must be controlled by the CMLP.

This rate schedule is only available for residential service.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Service under this rate must be separately metered.

**Monthly Rate**

ETS Energy Rate	\$0.07418per kWh
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The above rate per kWh will be adjusted plus or minus in accordance with the formula specified in the Purchased Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which are assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Eight off-peak hours per day normally from 10PM to 6AM, Monday-Friday and all weekend hours with up to three additional hours during week days depending on the outside temperature, from October 1<sup>st</sup> through May 31<sup>st</sup>. All the remaining hours are on peak and only ETS services are available under this rate.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule must be taken for a minimum of one (1) year. After one year, the customer may terminate service at any time by giving the CMLP written notice, subject to the provisions of the Rules and Regulations for Electric Service.

During whatever period of time off peak service is taken, the Customer's on peak meter will remain on whichever rate it was on prior to the initiation of off peak service.



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE GS ETS  
GENERAL SERVICE – OFF PEAK ETS HEATING**

Mass DPU No. 417  
Replaces Mass DPU No. 393

Effective: September 1, 2018

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for non-residential off-peak service on the basis of this rate schedule. The Purchased Power Cost Adjustment Clause and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**"). Under this rate, service is available for off peak Electric Thermal Storage (ETS) systems with the following provisions. Service will only be made available during the hours defined below and will be at the off peak rate. Service may be available at other times, at CMLP's sole option, depending on system loads. Loads served under this rate may not be served under other CMLP rates, must be controlled by the CMLP, be acceptable to the CMLP and make a positive contribution towards improving the CMLP system load factor.

**Applicability**

This rate schedule is applicable to all off-peak electric service required by the Customer for lighting, power and any other purpose. The electrical connection of any equipment or appliance(s) installed so as to use energy under this rate must be inspected and approved by the CMLP. The electrical supply to the equipment or appliance(s) must be controlled by the CMLP.

This rate schedule is only available for non-residential service.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Service under this rate must be separately metered.

**Monthly Rate**

Energy Rate	\$0.07418 per kWh
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The above rate per kWh will be adjusted plus or minus in accordance with the formula specified in the Purchased Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which are assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Eight off-peak hours per day normally from 10PM to 6AM, Monday-Friday and all weekend hours, with up to three additional hours during weekdays depending on the outside temperature, from October 1<sup>st</sup> through May 31<sup>st</sup>. All the remaining hours are on-peak.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule must be taken for a minimum of one (1) year. After one year, the customer may terminate service at any time by giving the CMLP written notice, subject to the provisions of the Rules and Regulations for Electric Service.

During whatever period of time off peak service is taken, the Customer's regular service meter will remain on whichever rate it was on prior to the initiation of off peak service.

## CONCORD MUNICIPAL LIGHT PLANT ELECTRIC RATE SCHEDULES

### RATE R-1 RESIDENTIAL SERVICE

Mass DPU No. 418  
Replaces Mass DPU No. 410

Effective: January 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation and Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

#### **Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

#### **Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising including a separate white page telephone listing, which will be served under the appropriate general service rate schedule.

#### **Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

#### **Monthly Rate**

Meter Charge (Single Phase)	\$12.00 per month
Meter Charge (Three Phase)	Customers requiring three phase service shall pay a one-time fee of \$200 to cover additional meter costs.
Capacity and Transmission Charge:	
First 600 kWhs	\$0.04853 per kWh
Next 316 kWhs	\$0.06311 per kWh
All in excess of 916 kWhs	\$0.09107 per kWh
Distribution Charge	\$0.02800 per kWh
Energy Charge	\$0.07418 per kWh

The above rates per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

#### **Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-1 TOUR  
RESIDENTIAL TIME OF USE RATE**

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Mass DPU No. 419  
Replaces Mass DTE No. 411

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Effective: January 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation and Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**")

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units. This rate is also available for sub- or multi-metered residential load(s) for the specific purpose of charging electric vehicles or Electric Thermal Storage heating applications.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$12.00 per month
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The monthly Meter Charge shall be waived for approved sub- or multi-metered loads associated with an account already taking service under the R-1 tariff.

Capacity and Transmission and Distribution Charges:

On-peak All kWhs	\$0.15043 per kWh
Off-peak All kWhs	\$0.03448 per kWh

Energy Charge:  
All kWhs

\$0.07418 per kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Fourteen off-peak hours per day from 10 PM to 12 Noon, Monday-Friday and all weekend hours. All the remaining hours are on-peak.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule must be taken for a minimum of one (1) year. After one year, the customer may terminate service at any time by giving the CMLP written notice, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-1  
SMALL GENERAL SERVICE**

Mass DPU No. 420  
Replaces Mass DPU No. 414

Effective: January 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for small general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service as defined in Rate R Schedules, where the Customer's maximum metered demand is less than 20.0 k W. If the Customer's monthly metered energy exceeds 4,000 kilowatt-hours for four consecutive months, the CMLP may install demand metering equipment. If the maximum metered demand is 20.0 kW or greater for any two months during any twelve month period, the CMLP will transfer the Customer to the then applicable general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at the CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$12.00 per month
Customers requiring three phase service shall pay a one-time fee of \$200 to cover additional meter costs	
Capacity and Transmission Charge:	\$0.08185 per kWh
Distribution Charge	\$0.03228 per kWh
Energy Charge	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-2  
MEDIUM GENERAL SERVICE**

Mass DPU No. 421  
Replaces Mass DPU No. 415

Effective: January 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for medium general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered demand is equal to or greater than 20 kW for any two months during any twelve month period.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$44.00 per month
Meter Charge (Three Phase)	\$60.00 per month
Demand Rate	\$10.85 per billing kW
Capacity and Transmission Charge	\$0.03507 per kWh
Distribution Charge	\$0.02651 per kWh
Energy Charge	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Determination of Billing Demand**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or

c) 20 kW.

**Power Factor Adjustment**

The monthly metered kilowatt demand may be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing Demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service. Any Customer, whose service has been changed from Small General Service to this rate schedule at the Customer's request, will be required to remain on this rate schedule for a minimum period of 12 months.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES****RATE G-3  
LARGE GENERAL SERVICE**

Mass DPU No. 422

Effective: January 1, 2019

Replaces Mass DPU No.416

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for large general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered on-peak kilowatt demand is equal to or greater than 200 kW at a single metered location. If the billing demand does not exceed 200 kW for a one-year period, the Customer may request assignment to the Medium General Service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge (1 or 3 Phase)	\$380 per month
Demand Rate	\$9.97 per billing kW
Transmission and Capacity Charge	\$0.03094 per kWh
Distribution Charge	\$0.02125 per kWh
Energy Rate	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which are assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge, the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Determination of Billing Demand:**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or
- c) 200 kW

When welding equipment is installed, the excess demand placed on the CMLP system to supply this welding load may be added to the Customer's measured demand.

**Power Factor Adjustment**

The monthly metered kilowatt demand will be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Primary Service Adjustment**

Where service is metered at primary voltage, a discount of two (2) percent of the demand and energy charges (after discount for equipment ownership and exclusive of the purchased power adjustment charge) will be allowed.

**Transformer Ownership**

If the Customer furnishes, installs, owns and maintains at the Customer's expense, all protective devices, transformers and other equipment required for primary voltage service as specified by CMLP, the monthly demand charge will be reduced by \$0.12 per kilowatt of billing demand.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-1 TOUR  
RESIDENTIAL TIME OF USE RATE**

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Mass DPU No. 423  
Replaces Mass DTE No. 419

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Effective: April 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation and Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**")

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units. This rate is also available for sub- or multi-metered residential load(s) for the specific purpose of charging electric vehicles or Electric Thermal Storage heating applications.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge	\$12.00 per month
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The monthly Meter Charge shall be waived for approved sub- or multi-metered loads associated with an account already taking service under the R-1 tariff.

Capacity and Transmission and Distribution Charges:

On-peak	
All kWhs	\$0.14683 per kWh
Off-peak	
All kWhs	\$0.03088 per kWh

Energy Charge:  
All kWhs

\$0.07418 per kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formulae specified in the Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Billing Periods**

Fourteen off-peak hours per day from 10 PM to 12 Noon, Monday-Friday and all weekend hours. All the remaining hours are on-peak.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule must be taken for a minimum of one (1) year. After one year, the customer may terminate service at any time by giving the CMLP written notice, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-7**

**RESIDENTIAL SERVICE – ELECTRIC RESISTANCE & HEAT PUMP HEATING SYSTEMS/DHW**

Mass DPU No. 424

Effective: April 1, 2019

Replaces Mass DPU No. 412

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service on the basis of this rate schedule. The Purchased Power Cost Adjustment Clause, the Conservation And Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units.

The electric resistance and heat pump space heating equipment and uncontrolled domestic water heating equipment installed must be approved by the CMLP and used exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising including a separate white page telephone listing, which will be served under the appropriate general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

A separate meter will be installed by the CMLP which will be in series with the normal billing meter and record the usage of the electric resistance and/or heat pump space heating system. Use recorded on this meter from October 1st through May 1st will be subtracted from the normal billing meter and billed at the rate indicated below. From May 1st through October 1st, the use through this meter will not be used for billing purposes such that all usage will be recorded by the normal meter and billed under the Rate R-1 or appropriate tariff. If the second meter is not in series with the normal meter, the use on the second meter during the summer period above will be added to the normal meter and the rate calculation will be based on the total.

**Monthly Rate**

Energy Rate;

All kWhs

\$0.15071 per kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formulae specified in the Purchased Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.



**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-1  
SMALL GENERAL SERVICE**

Mass DPU No. 425

Effective: April 1, 2019

Replaces Mass DPU No. 420

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for small general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service as defined in Rate R Schedules, where the Customer's maximum metered demand is less than 20.0 k W. If the Customer's monthly metered energy exceeds 4,000 kilowatt-hours for four consecutive months, the CMLP may install demand metering equipment. If the maximum metered demand is 20.0 kW or greater for any two months during any twelve month period, the CMLP will transfer the Customer to the then applicable general service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at the CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$12.00 per month
Customers requiring three phase service shall pay a one-time fee of \$200 to cover additional meter costs	
Capacity and Transmission Charge:	\$0.08185 per kWh
Distribution Charge	\$0.02908 per kWh
Energy Charge	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-2  
MEDIUM GENERAL SERVICE**

Mass DPU No. 426  
Replaces Mass DPU No. 421

Effective: April 1, 2019

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for medium general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered demand is equal to or greater than 20 kW for any two months during any twelve month period.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$44.00 per month
Meter Charge (Three Phase)	\$60.00 per month
Demand Rate	\$10.85 per billing kW
Capacity and Transmission Charge	\$0.03507 per kWh
Distribution Charge	\$0.02571 per kWh
Energy Charge	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Determination of Billing Demand**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or

c) 20 kW.

**Power Factor Adjustment**

The monthly metered kilowatt demand may be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing Demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service. Any Customer, whose service has been changed from Small General Service to this rate schedule at the Customer's request, will be required to remain on this rate schedule for a minimum period of 12 months.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE G-3  
LARGE GENERAL SERVICE**

Mass DPU No. 427

Effective: April 1, 2019

Replaces Mass DPU No.422

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for large general service on the basis of this rate schedule. The Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

This rate schedule is available throughout the entire territory served by the CMLP Electric System (the "**CMLP System**").

**Applicability**

This rate schedule is applicable to all electric service required by the Customer for lighting, power and any other purpose, other than residential service, where the Customer's maximum metered on-peak kilowatt demand is equal to or greater than 200 kW at a single metered location. If the billing demand does not exceed 200 kW for a one-year period, the Customer may request assignment to the Medium General Service rate schedule.

**Character of Service**

Service under this rate schedule shall be alternating current, 60 Hertz, single or three phase, at CMLP's option of the standard voltages available from the CMLP System. The CMLP may, at its option, require three-phase service when individual motors rated at 5.0 horsepower or larger are connected to the CMLP System. Standby or resale service is not permitted under this rate schedule.

**Monthly Rate**

Meter Charge (1 or 3 Phase)	\$380 per month
Demand Rate	\$9.97 per billing kW
Transmission and Capacity Charge	\$0.03094 per kWh
Distribution Charge	\$0.02085 per kWh
Energy Rate	\$0.07418 per kWh

The above energy rate will be adjusted plus or minus in accordance with the formula specified in the Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which are assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Minimum Charge**

The monthly minimum charge shall be the sum of the Meter Charge, the monthly demand charge for the minimum demand and all applicable rate adjustments.

**Terms**

The Monthly Rates are net and bills are due on presentation. Bills will be rendered monthly.

**Effective Date**

This rate schedule is effective for all consumption on or after the effective date shown above.

**Determination of Billing Demand:**

The monthly Billing Demand shall be the greater of:

- a) the highest metered kilowatt demand established during any 15 minute interval during the month;
- b) 95% of the greatest metered or calculated kVA during the month; or
- c) 200 kW

When welding equipment is installed, the excess demand placed on the CMLP system to supply this welding load may be added to the Customer's measured demand.

**Power Factor Adjustment**

The monthly metered kilowatt demand will be adjusted to an equivalent 95.0% lagging power factor for the purpose of establishing the monthly Billing demand when the power factor measured at the point of delivery to the Customer is determined to be less than 95.0%. Such adjustment may be deferred for six (6) months at a new point of delivery to allow for corrective action by the Customer.

**Primary Service Adjustment**

Where service is metered at primary voltage, a discount of two (2) percent of the demand and energy charges (after discount for equipment ownership and exclusive of the purchased power adjustment charge) will be allowed.

**Transformer Ownership**

If the Customer furnishes, installs, owns and maintains at the Customer's expense, all protective devices, transformers and other equipment required for primary voltage service as specified by CMLP, the monthly demand charge will be reduced by \$0.12 per kilowatt of billing demand.

**Interruption of Service**

The CMLP will make reasonable provisions to assure satisfactory and continuous service, but does not guarantee a continuous supply of electric power and energy from the CMLP System facilities and shall not be liable for damage occasioned by interruptions of service or failure to commence delivery caused by acts of God, or the public enemy, or for any cause reasonably beyond the control of the CMLP, including, but not limited to, the failure or breakdown of facilities, floods, fire, strikes, or actions or orders of any agency having jurisdiction in the premises, or for interruptions which are necessary for inspection, repair, or changes in the equipment and facilities of the CMLP or the bulk power supplier(s) to the CMLP System.

The Customer shall notify the CMLP immediately of any defects, troubles or accident which may in any way affect the delivery of electric service by the CMLP from the CMLP System.

**Term of Contract**

Service under this rate schedule is subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES  
RESIDENTIAL SERVICE-RATE ASSISTANCE RIDER**

Mass DPU No. 428

Effective: April 1, 2019

Replaces Mass DPU No.409

**Applicability**

This rate schedule is applicable to all electric service required by the Customer exclusively for domestic purposes for individual (single family) private residences and individually metered apartment units where the Customer qualifies based on economic need. Application forms are available at CMLP.

This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, apartment houses including the common facility requirements, or the common facility requirements of residences also used for business purposes, evidenced by any form of advertising including a separate white page telephone listing, which will be served under the appropriate general service rate schedule.

**Rate Assistance Credit:**

Credit per kWh

First 600 kWh	\$0.10000/kWh
All in excess of 600 kWh	\$0.00000/kWh

The above rate per kWh will be adjusted plus or minus in accordance with the formulae specified in the Purchased Power Cost Adjustment Clause and the NYPA Power Cost Adjustment Clause. The amount computed at the Monthly Rate shall be subject to taxes, assessments or surcharges imposed by any governmental authority which is assessed on the basis of revenues from electric service or volumes of electricity purchased or sold by the CMLP.

**Term of Contract**

Credits under this rider are subject to termination at any time upon the CMLP's receipt of written notice from the Customer, subject to the provisions of the Rules and Regulations for Electric Service. In addition, the Customer must reconfirm eligibility each year.