

# 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,

**2018**

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

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

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**FOR GAS PLANTS ONLY:**

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**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

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:		
Christopher Whelan, Town House, Concord, MA 01742		
4. Name and address of mayor or <u>selectpersons</u> :		
Tom McKean, Town House, Concord, MA 01742	Chair	
Alice Kaufman, Town House, Concord, MA 01742		
Michael Lawson, Town House, Concord, MA 01742		
Jane Hotchkiss, Town House, Concord, MA 01742		
Linda Escobedo, Town House, Concord, MA 01742		
5. Name and address of town (or city) treasurer:		
Kerry Lafleur, Town House, Concord, MA. 01742		
6. Name and address of town (or city) clerk:		
Kaari Mai Tari, Town House, Concord, MA 01742		
7. Names and addresses of members of municipal light board:		
Gordon Brockway, Municipal Light Plant, Concord, MA 01742	Chair	
Lynn Salinger, Municipal Light Plant, Concord, MA 01742		
Peggy Briggs, Municipal Light Plant, Concord, MA 01742		
Dan Gainsboro, Municipal Light Plant, Concord, MA 01742		
Wendy Rovelli, Municipal Light Plant, Concord, MA 01742		
8. Total valuation of estates in town (or city) according to last state valuation		\$ 6,144,650,600
9. Tax rate for all purposes during the year:	FY 2019	\$ 14.19
10. Amount of Director's salary:		\$ 160,760
11. Amount of manager's bond:		n/a
12. Amount of salary paid to members of municipal light board (each)		n/a

**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.....	25,298,775.81
3		
4	<b>TOTAL</b>	25,298,775.81
5	<b>Expenses:</b>	
6	For operation, maintenance and repairs.....	25,634,465.83
7	For interest on bonds, notes or scrip.....	130,186.98
8	For depreciation fund ( 3% on \$59,302,293.93 as per page 8B).....	1,900,911.34
9	For sinking fund requirements.....	-
10	For note payments.....	-
11	For bond payments.....	(552,083.30)
12	For loss in preceding year.....	
13	<b>TOTAL</b>	27,113,480.85
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.....	1,521,527.69
19	Of electricity to be used for street lights.....	41,806.86
20	Total of above items to be included in the tax levy.....	1,563,334.55
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	1,563,334.55

**CUSTOMERS**

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
		Concord	8,209
		Lincoln	7
		Acton	8
<b>TOTAL</b>		<b>TOTAL</b>	8,224

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

**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	.....	41,807
2. Municipal buildings	.....	1,521,528
<b>TOTAL</b>		<b>\$ 1,563,334.55</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 van, Ford Transit 250.
2. Designed and installed a three-phase underground primary electric distribution system to facilitate the renovated and expanded Concord Museum located at 200 Lexington Rd.
3. Designed and installed an underground single-phase primary electric distribution system at 113 Oak Rd.
4. Designed and installed an underground single-phase primary electric distribution system at 842 Monument St.
5. Designed and installed a three-phase underground primary electric distribution system to facilitate the new Concord Market located at 91-97 Lowell Rd.
6. Converted the last overhead section, including cable and subsequent pole to underground, on Windmill Hill Rd. Includes new conduit system and underground 600 Volt secondary cable.
7. Installed a new conduit system in the Walden St and Keyes Rd Municipal Parking Lots to facilitate new electric vehicle charging stations and new parking lot lights.
8. Installed two electric vehicle charging stations: Walden St Municipal Parking Lot, Keyes Rd Municipal Parking Lot.
9. Designed and installed a three-phase underground primary electric distribution system to facilitate the new Visual Arts Center and Theater located at 1400 Lowell Rd, Middlesex School. Additional underground cable and fusing were installed to improve sectionalizing and protection on the School's existing underground distribution system within manholes 6, 7, & 8.

**Maintenance of overhead facilities:**

1. Removed overhead bare primary copper cable and overhead electric devices and installed new overhead aluminum tree proof cable and new electric devices. Locations include: Arrowhead Rd, Black Duck Rd, Butternut Cir, Cranfield Rd, Dalton Rd, Fox Ln, Hayes Rd, Mallard Rd, Minot Rd, Minuteman Dr, North Branch Rd, Peter Spring Rd, Prescott Rd, & Wright Rd.
2. Tree trimming, various locations.

**In gas property:**

n/a

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

**BONDS**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding
			Amounts	When Payable	Rate	When Payable	
4-4-1898	8-1-1898	35,000.00		PAID		PAID	
6-1-1900	8/1/1900	16,000.00		PAID		PAID	
4-1-1901	8/1/1901	10,000.00		PAID		PAID	
9-30-1902	11/1/1902	10,000.00		PAID		PAID	
9-30-1903	10/1/1903	15,000.00		PAID		PAID	
4-4-1904	8/1/1904	10,000.00		PAID		PAID	
4-4-1910	8/1/1910	20,000.00		PAID		PAID	
5-5-1916	11/1/1916	10,000.00		PAID		PAID	
3-7-1921	7/5/1921	75,000.00		PAID		PAID	
3-14&15-1955	11/1/1955	225,000.00		PAID		PAID	
6-8-1956	7/1/1956	115,000.00		PAID		PAID	
5-6-1974	10/1/1974	700,000.00		PAID		PAID	
5-19-1980	3/18/1981	627,000.00		PAID		PAID	
3-27-1990	4/15/1991	500,000.00		PAID		PAID	
3-27-1990	4/15/1991	1,000,000.00		PAID		PAID	
4-22-1991	4/15/1992	2,000,000.00		PAID		PAID	
4/22/1991	4/15/1992	500,000.00		PAID		PAID	
4-22-1991	6/29/1993	6,000,000.00		PAID		PAID	
4-22-2002	2/15/2003	600,000.00		PAID		PAID	
4-27-2005	3/1/2006	500,000.00		PAID		PAID	
4-27-2005	3/1/2007	1,000,000.00		PAID		PAID	
4-27-2009	5/17/2011	4,000,000.00	300,000.00	May 15	4.00%	May 15 & Nov 15	1,900,000.00
4-23-2012	6/12/2014	3,900,000.00	300,000.00	Jun 01	3.00%	Jun 1 & Dec 1	2,700,000.00
4-25-2012	5/21/2015	400,000.00	62,500.00	Sep 15	3.00%	Sep 15 & Mar 15	150,000.00
	<b>TOTAL</b>	<b>\$ 22,268,000.00</b>	<b>\$ 662,500.00</b>				<b>\$ 4,750,000.00</b>

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, 2018

**TOWN NOTES**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding
			Amounts	When Payable	Rate	When Payable	
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	\$9,286,000.00	\$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





**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

**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	568,445.18	350,000.00	-			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>	\$ 568,445.18	\$ 350,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 918,445.18
19	<b>Total Production Plant</b>	\$ 568,445.18	\$ 350,000.00	\$ 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	1,981,464.80	19,405.86	263.35			2,000,607.31
23	353 Station Equipment	2,763,282.57	-	-			2,763,282.57
24	357 Underground Conduits	421,793.11	-	-			421,793.11
25	358 Undergrnd Conductors & Devices	487,720.07	-	-			487,720.07
26	<b>Total Transmission Plant</b>	\$ 6,151,849.30	\$ 19,405.86	\$ 263.35	\$ 0.00	\$ 0.00	\$ 6,170,991.81
27	<b>3A. SUBTRANSMISSION PLANT</b>						
28	352ST Structures and Improvements	211,474.35	-	-			211,474.35
29	353ST Station Equipment	1,293,959.84	-	-			1,293,959.84
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	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 6,335,880.76

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

**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	1,574,384.51	29,970.42	3,261.17			1,601,093.76
7	365 Overhead Conductors and Devices	3,390,529.23	147,571.39	16,995.67			3,521,104.95
8	366 Underground Conduits	12,401,572.53	68,934.90	1,497.96			12,469,009.47
9	367 Underground Conductors & Devices	6,993,043.99	29,848.21	911.23			7,021,980.97
10	368 Line Transformers	4,675,080.69	69,196.65	1,831.80			4,742,445.54
11	369 Services	1,535,671.20	60,937.37	10,172.66			1,586,435.91
	369C Services Conversion overhead to undgrnd	561,700.03	22,400.00	1,600.00			582,500.03
12	370 Meters	1,037,519.59	18,993.15	1,086.46			1,055,426.28
13	371 Installation on Cust's Premises	68,391.50	346.38	74.93			68,662.95
15	373 Street Light and Signal Systems	1,234,532.05	99,144.04	70,113.11			1,263,562.98
16	<b>Total Distribution Plant</b>	<b>35,269,691.13</b>	<b>547,342.51</b>	<b>107,544.99</b>	-	-	<b>35,709,488.65</b>
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land Rights	-	-	-			0.00
19	390 Structures and Improvements	5,732,703.64	54,785.44	-			5,787,489.08
20	391 Office Furniture and Equipment	700,571.45	79,305.20	-			779,876.65
21	392 Transportation Equipment	1,986,994.00	56,887.00	-			2,043,881.00
22	393 Stores Equipment	145,395.10	-	-			145,395.10
23	394 Tools, Shop and Garage Equipment	111,192.05	9,490.00	-			120,682.05
24	395 Laboratory Equipment	157,760.85	30,508.02	-			188,268.87
25	396 Power Operated Equipment	94,903.52	-	-			94,903.52
26	397 Communication Equipment	5,478,857.40	28,201.03	3,324.37			5,503,734.06
27	398 Miscellaneous Equipment	45,848.10	42,564.51	15,056.86			73,355.75
28	399 Computer Equipment	-	-	-			0.00
29	<b>Total General Plant</b>	<b>14,454,226.11</b>	<b>301,741.20</b>	<b>18,381.23</b>	-	-	<b>14,737,586.08</b>
30	<b>Total Electric Plant in Service</b>	<b>64,866,494.54</b>	<b>1,218,489.57</b>	<b>126,189.57</b>	-	-	<b>65,958,794.54</b>
31							Total Cost of Electric Plant
32							65,958,794.54
33							Less Cost of Land, Land Rights, Rights of Way
34							1,602,308.93
							Total Cost upon which Depreciation is based
							64,356,485.61

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

**COMPARATIVE BALANCE SHEET Assets and Other Debits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	UTILITY PLANT			
2	101 Utility Plant - Electric (P.17)	63,407,894.60	64,531,385.79	1,123,491.19
3	101 Utility Plant - gas (P.20)	-	-	-
4	123 Investment in Associated Companies	-	-	-
5	Total Utility Plant	63,407,894.60	64,531,385.79	1,123,491.19
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)	3,561,606.06	4,414,697.32	853,091.26
13	128 Other Special Funds	2,925,621.41	2,752,375.93	(173,245.48)
14				
15	Total Funds	10,120,380.10	10,626,980.40	506,600.30
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14)	7,039,594.05	7,966,098.37	926,504.32
18	132 Special Deposits + 134	28,889.08	82,984.54	54,095.46
19	133 Operating Reserve Fund	1,130,000.00	1,130,000.00	-
20	135 Working Funds 131A UG Fund ....	1,180,229.40	1,533,582.14	353,352.74
21	141 Notes and Receivable	-	-	-
22	142 Customer Accounts Receivable	2,603,532.30	2,438,693.10	(164,839.20)
23	143 Other Accounts Receivable	20,737.77	182,874.06	162,136.29
24	146 Receivables from Municipality	87,944.74	(2,349.22)	(90,293.96)
25	154 Materials and Supplies (P.14)	1,253,681.90	1,270,048.20	16,366.30
26	165 Prepayments	2,139,721.72	3,195,133.77	1,055,412.05
27	174 Miscellaneous Current Assets	1,507,089.62	1,041,749.49	(465,340.13)
28	Total Current and Accrued Assets	23,037,983.35	26,008,548.12	2,970,564.77
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount	(259,968.51)	(230,030.49)	29,938.02
31	182 Extraordinary Property Losses	-	-	-
32	186 Other Deferred Debits	1,284,891.45	1,276,562.00	(8,329.45)
33	Total Deferred Debits	1,024,922.94	1,046,531.51	21,608.57
34				
35	Total Assets and Other Debits	97,591,180.99	102,213,445.82	4,622,264.83

**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	4,102,083.30	3,550,000.00	(552,083.30)
6	207 Appropriations for Construction Repayments	-	-	-
7	208 Unappropriated Earned Surplus (P.12)	42,070,452.93	42,070,452.93	-
8	Total Surplus	46,172,536.23	45,620,452.93	(552,083.30)
9	LONG TERM DEBT			
10	221 Bonds (P.6)	5,412,500.00	4,750,000.00	(662,500.00)
11	231 Notes Payable (P.7)	-	-	-
12	Total Bonds and Notes	5,412,500.00	4,750,000.00	(662,500.00)
13	CURRENT AND ACCRUED LIABILITIES			
	228 Appropriation of Benefit	2,796,986.28	2,796,986.28	-
14	232 Accounts Payable	2,809,300.27	3,990,562.82	1,181,262.55
15	234 Payables to Municipality	1,507.99	(115,618.82)	(117,126.81)
16	235 Customer' Deposits	610,339.85	634,647.83	24,307.98
17	236 Taxes Accrued	29,201.92	33,583.47	4,381.55
18	237 Interest Accrued	22,031.25	18,656.25	(3,375.00)
19	242 Miscellaneous Current and Accrued Liabilities	4,450,345.85	4,379,071.88	(71,273.97)
20	Total Current and Accrued Liabilities	10,719,713.41	11,737,889.71	1,018,176.30
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt	-	-	-
23	252 Customer Advances for Construction	129,281.41	102,312.91	(26,968.50)
24	253 Other Deferred Credits	128,989.00	128,989.00	
25	Total Deferred Credits	258,270.41	231,301.91	(26,968.50)
26	RESERVES			
27	260 Reserves for Uncollectable Accounts	30,000.00	16,614.54	(13,385.46)
28	261 Property Insurance Reserve	-	-	-
29	262 Injuries and Damages Reserves	176,302.00	181,175.30	4,873.30
30	263 Pensions and Benefits	-	-	-
31	265 Miscellaneous Operating Reserves	-	-	-
32	Total Reserves	206,302.00	197,789.84	(8,512.16)
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction	-	-	-
35	Total Liabilities and Other Credits	62,769,322.05	62,537,434.39	(231,887.66)

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: 461,000.00

## 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)	26,592,094.04	1,264,922.85
3	Operating Expenses:		
4	401 Operation Expense (P.42)	24,568,290.34	554,546.40
5	402 Maintenance Expense (P. 42)	1,066,175.49	402,436.11
6	403 Depreciation Expense	1,900,911.34	57,184.16
7	407 Amortization of Property Losses	-	-
8			
9	408 Taxes (P.49)	-	-
10	Total Operating Expenses	27,535,377.17	1,014,166.67
11	Operating Income	(943,283.13)	250,756.18
12	414 Other Utility Operating Income (P.50)	-	-
13			
14	Total Operating Income	(943,283.13)	250,756.18
15	<b>OTHER INCOME</b>		
16	415 Income from Merch., Job.& Contract Work (P.51)	(84,386.69)	(133,125.01)
17	419 Interest Income	246,201.32	154,615.70
18	421 Miscellaneous Nonoperating Income	4,091.64	1,885.89
19	Total Other Income	165,906.27	23,376.58
20	Total Income	(777,376.86)	274,132.76
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	-	-
23	426 Other Income Deductions	7,416.23	4,177.59
24	Total Income Deductions	7,416.23	4,177.59
25	Income Before Interest Charges	(784,793.09)	269,955.17
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	160,125.00	(22,075.00)
28	428 Amortization of Debt Discount and Expense	(29,938.02)	41.92
29	429 Amortization of Premium on Debt-Credit	-	-
30	431 Other Interest Expense	-	-
31	432 Interest Charged to Construction-Credit	-	-
32	Total Interest Charges	130,186.98	(22,033.08)
33	Net Income	(914,980.07)	291,988.25
	<b>EARNED SURPLUS</b>		
Line No.	Account (a)	Debits (b)	Credits (c)
34	Unapprop.Earned Surplus(at beginning of period)		44,835,414.79
35			
36			
37	433 Balance Transferred from Income	-	(914,980.07)
38	434 Miscellaneous Credits to Surplus (P.21)	-	-
39	435 Miscellaneous Debits to Surplus (P.21)	-	-
40	436 Appropriation of Surplus (P.21)	1,802,666.67	-
41	437 Surplus Applied to Depreciation	-	(47,315.12)
42	208 Unapprop. Earned Surplus(at end of period)	42,070,452.93	-
43			
44	TOTALS	43,873,119.60	43,873,119.60

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

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

Line No.	Items (a)	Amount (b)
1	Operating Cash Fund.....	7,039,594.05
2	Underground Fund.....	1,533,582.14
3	Emergency Repairs Fund.....	1,130,000.00
4	Customer Deposit Fund.....	636,055.70
5	Customer Advance for Construction.....	95,806.96
6	Bond Fund.....	391,666.67
7	Interest Fund.....	23,015.37
8	Rate Stabilization Fund.....	888,900.31
9	Conservation Rebate Fund.....	-
10	Renewable Energy Credit Purchase Fund.....	558,770.99
11		
12	TOTAL	\$ 12,297,392.19

**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	1,200,171.19	
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	-	
23	TOTAL PER BALANCE SHEET	\$ 1,200,171.19	

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a) DEBITS	Amount (b)
24	Balance of account at beginning of year	3,561,606.06
25	Income during year from balance on deposit	24,637.00
26	Amount transferred from income	1,900,911.12
27	Amount transferred from underground fund	27,615.58
28	TOTAL	5,514,769.76
29	CREDITS	
30	Amount expended for constr.(Sec.57,C.164 of G.L.)	1,100,072.44
31	Amounts expended for renewals,viz:-	
32		
33		
38	BALANCE ON HAND AT YEAR END	\$ 4,414,697.32
39		



**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.....	568,445.18	350,000.00	-			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>	<b>\$ 568,445.18</b>	<b>\$ 350,000.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 350,000.00</b>
19	<b>Total Production Plant</b>	<b>\$ 568,445.18</b>	<b>\$ 350,000.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 918,445.18</b>
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights.....	497,588.75	-	-			497,588.75
22	352 Structures and Improvements.....	1,981,464.80	19,405.86	(59,443.92)			1,941,426.74
23	353 Station Equipment.....	2,763,282.57	-	(82,898.52)			2,680,384.05
24	357 Underground Conduits.....	421,793.11	-	(12,653.76)			409,139.35
25	358 Underground Conductors and Devices	487,720.07	-	(14,631.60)			473,088.47
26	Total Transmission Plant.....	<b>\$ 6,151,849.30</b>	<b>\$ 19,405.86</b>	<b>(\$ 169,627.80)</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 6,001,627.36</b>
27	<b>3A. SUBTRANSMISSION PLANT</b>						
28	352ST Structures and Improvements.....	211,474.35	-	(6,344.28)			205,130.07
29	353ST Station Equipment.....	1,293,959.84	-	(38,818.80)			1,255,141.04
30	357ST Underground Conduits.....	2,829,991.75	-	(84,899.76)			2,745,091.99
31	358ST Underground Conductors and Devices	2,000,454.82	-	(60,013.68)			1,940,441.14
32	<b>Total Subtransmission Plant</b>	<b>\$ 6,335,880.76</b>	<b>\$ 0.00</b>	<b>(\$ 190,076.52)</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 6,145,804.24</b>



**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.....	783,688.70	-	(23,510.64)			760,178.06
4	362 Station Equipment.....	827,302.11	-	(24,819.12)			802,482.99
5	363 Storage Battery Equipment.....	-	-	-			-
6	364 Poles, Towers and Fixtures.....	1,574,384.51	29,970.42	(46,883.92)			1,557,471.01
7	365 Overhead Conductors and Devices	3,390,529.23	147,571.39	(101,803.02)	(16,995.67)		3,419,301.93
8	366 Underground Conduits.....	12,401,572.53	68,934.90	(372,047.16)	(1,497.96)		12,096,962.31
9	367 Underground Conductors & Devices	6,993,043.99	29,848.21	(209,791.32)	(911.23)		6,812,189.65
10	368 Line Transformers.....	4,675,080.69	69,196.65	(140,252.40)	(1,831.80)		4,602,193.14
11	369 Services.....	1,535,671.20	60,937.37	(46,070.16)	(10,172.66)		1,540,365.75
	369C Service Conversions-Ovhd to Undrgrnd.	561,700.03	22,400.00	(47,976.60)	(2,686.46)		533,436.97
12	370 Meters.....	1,037,519.59	18,993.15	(31,125.60)	(1,086.46)		1,024,300.68
13	371 Installation on Cust's Premises	68,391.50	346.38	(2,051.76)	(74.93)		66,611.19
14	372 Leased Prop. on Cust's Premises	-	-	-	-		-
15	373 Street Light and Signal Systems	1,234,532.05	99,144.04	(37,035.96)	(70,113.11)		1,226,527.02
16	<b>Total Distribution Plant</b>	<b>35,269,691.13</b>	<b>547,342.51</b>	<b>(994,496.02)</b>	<b>(94,111.16)</b>	<b>-</b>	<b>34,628,295.70</b>
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land Rights.....	-	-	-	-		-
19	390 Structures and Improvements.....	5,732,703.64	54,785.44	(171,981.12)	-		5,615,507.96
20	391 Office Furniture and Equipment.....	700,571.45	79,305.20	(21,017.13)	-		758,859.52
21	392 Transportation Equipment.....	1,986,994.00	56,887.00	(59,609.88)	-		1,984,271.12
22	393 Stores Equipment.....	145,395.10	-	(4,361.88)	-		141,033.22
23	394 Tools, Shop and Garage Equipment	111,192.05	9,490.00	(3,335.76)	-		117,346.29
24	395 Laboratory Equipment.....	157,760.85	30,508.02	(4,732.80)	-		183,536.07
25	396 Power Operated Equipment.....	94,903.52	-	(2,847.12)	-		92,056.40
26	397 Communication Equipment.....	5,478,857.40	28,201.03	(21,202.92)	-		5,485,855.51
27	398 Miscellaneous Equipment.....	45,848.10	42,564.51	(1,375.44)	(15,056.86)		71,980.31
28	399 Computer Equipment.....	-	-	-	-		-
29	<b>Total General Plant.....</b>	<b>14,454,226.11</b>	<b>301,741.20</b>	<b>(290,464.05)</b>	<b>(15,056.86)</b>	<b>-</b>	<b>14,450,446.40</b>
30	<b>Total Electric Plant in Service</b>	<b>62,780,092.48</b>	<b>1,218,489.57</b>	<b>(1,707,256.48)</b>	<b>(109,168.02)</b>	<b>-</b>	<b>\$63,903,583.67</b>
31	104 Utility Plant Leased to Others	-	-	-	-		-
32	105 Property Held for Future Use	-	-	-	-		-
33	107 Construction Work in Progress	627,802.12	2,082.00	-	(2,082.00)		627,802.12
34	<b>Total Utility Plant Electric</b>	<b>63,407,894.60</b>	<b>1,220,571.57</b>	<b>(1,707,256.48)</b>	<b>(111,250.02)</b>	<b>-</b>	<b>64,531,385.79</b>

**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)	Cost (f)
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)	Cost (k)
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, 2018

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

Line No.	Item (a)	Amount (b)
1	Sale of Solar Renewable Energy Certificates	4,091.64
2		
4		
5		
6		
	TOTAL	4,091.64

**OTHER INCOME DEDUCTIONS (Account 426)**

Line No.	Item (a)	Amount (b)
7	Interest on Deposits	7,416.23
8		
9		
12		
13		
14		

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

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

**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	461,000.00
34	Appropriation for Repayment of Bonds	1,341,666.67
35		
37		
38		
39		
40	TOTAL	1,802,666.67

**ANNUAL REPORT**

Town of Concord Municipal Light Plant

Year Ended: Dec 31, 2018

**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	<b>NONE</b>		
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)	9,957,283	1,521,527.69	15.2806
6					
7		TOTALS	9,957,283	1,521,527.69	15.2806
8					
9		Street Lighting:	296,617	41,806.86	14.0946
10					
11		TOTALS	296,617	41,806.86	14.0946
12					
13					
17					
19		TOTALS	10,253,900	1,563,334.55	15.2462

**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	3,421,935	583,174	17.0422
21	Canton Mountain	Concord MA St.219@13800 Volts	3,583,819	355,184	9.9108
22	Customer Net Metering	Concord MA customer pt. @13800 Volts	441,499	5,298	1.2001
23					
24	Hydro Quebec ICC	Concord MA St.219@13800 Volts	CAPACITY Only	(79,667)	n/a
25					
26	ISO Spot Market	Concord MA St.219@13800 Volts	31,425,864	8,950,326	28.4808
27	Kearsarge II Solar	Concord MA St.223H4@13800 Volts	6,535,200	437,858	6.7000
28	Kearsarge Solar	Concord MA St.223H4@13800 Volts	1,961,789	145,172	7.4000
29	Miller Hydro Group	Concord MA St.219@13800 Volts	5,169,034	255,308	4.9392
30	New Bedford Landfill	Concord MA St.219@13800 Volts	3,808,798	169,588	4.4525
31	NextEra	Concord MA St.219@13800 Volts	32,120,000	884,926	2.7551
32	Nugen Capital	Concord MA St.219@13800 Volts	1,321,429	82,991	6.2804
33	PASNY Hydro Power	Concord MA St.219@13800 Volts	7,542,598	120,615	1.5991
34					
35	Saddleback Ridge Wind	Concord MA St.219@13800 Volts	4,889,093	390,352	7.9841
36	Shell Energy	Concord MA St.219@13800 Volts	69,049,816	3,324,376	4.8145
37	Solect Solar	Concord MA St.223H4@13800 Volts	431,110	35,158	8.1552
38	Spruce Mountain Wind	Concord MA St.219@13800 Volts	5,473,327	488,687	8.9285
39		TOTALS	177,175,311	16,149,348.31	9.1149

**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

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are

**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.

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	11,814,424.65	961,583.68	74,436,879	5,604,585	6,941	23
3	442 Commercial and Industrial Sales						
4	Small (or Commercial) see instr. 5	6,338,606.25	284,546.98	38,161,640	1,654,740	1,262	(17)
5	Large (or Industrial) see instr. 5	6,834,893.79	182,065.60	49,745,632	1,221,212	22	1
6	444 Municipal Sales(P. 22)	1,563,334.55	(25,618.28)	10,253,900	(160,674)	71	-
7	445 Unbilled revenue	(465,340.13)	(714,813.60)	(4,101,745)	(4,101,745)		-
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Misc. Sales - Provision for Rate Refund	-	-	-	-	-	-
	Misc. Sales - Provision for Rate Stabilization	(750,219.25)	(40,261.33)	-	-	-	-
11	Total Sales to Ultimate Consumers	25,335,699.86	647,503.05	168,496,306	4,218,118	8,296	7
12	447 Sales for Resale	-	-	-	-	-	-
13	Total Sales of Electricity*	25,335,699.86	647,503.05	168,496,306	4,218,118	8,296	7
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	16,813.77	1,045.26				
16	451 Miscellaneous Service Revenues	5,400.00	4,400.00				
17	453 Sales of Water and Water Power	-	-				
18	454 Rent from Electric Property	100,655.00	2,160.00				
19	455 Interdepartmental Rents	27,216.00	-				
20	456 Other Electric Revenues	1,106,309.41	609,814.54				
21							
22							
23	Miscellaneous Adjustments to Sales						
24							
25	Total Other Operating Revenues	1,256,394.18	617,419.80				
26	Total Electric Operating Revenue	26,592,094.04	1,264,922.85				

\* Includes revenues from application of fuel clauses (750,219.25)

Total KWH to which applied 165,174,848.00

**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (Per Bills Rendered)		
						July 31 (e)	December 31 (f)	
1	440-R1	Residential	66,935,104	10,930,585.54	0.1633	6,579	6,581	
2	440-R2	Residential w/Contrld Wtr Ht	4,430,713	654,344.83	0.1477	350	354	
3	440-R3	Residential Off Peak	2,978,036	181,386.97	0.0609	n/a	n/a	
4	440-R4	Residential Farm	93,026	14,190.51	0.1525	6	6	
5	442-G1-1	Small General	13,125,208	2,394,578.09	0.1824	1,100	1,113	
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	84,620	14,190.51	0.1677	7	8	
9	442-G2-1	Medium General	24,533,482	3,865,380.12	0.1576	145	140	
10	442-G2OP	Med. General W Controlled ETS Heat	n/a	n/a	x	x	x	
11	442-G2-4	Medium General Farm	418,330	56,719.53	0.1356	1	1	
12	442-G3-1	Large General	49,745,632	6,834,893.79	0.1374	21	22	
13	442-PL	Private Area Lighting	-	4,730.75	0.0000	11	9	
14	444-G1	Municipal Small General	414,801	76,624.82	0.1847	44	44	
15	444-G2	Municipal Medium General	4,527,694	690,355.12	0.1525	21	20	
16	444-G3	Municipal Large General	5,014,788	754,547.75	0.1505	5	5	
17	444-SL	Municipal Street Lights	296,617	41,806.86	0.1409	1	1	
18	445	Unbilled Revenue	x	(465,340.13)	x	x	x	
19	449-1	Provision for Rate Refund	x	-	x	x	x	
20	449-15	Provision for Rate Stabilization	x	(750,219.25)	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)			172,598,051	25,298,775.81	0.1466	8,291	8,304

**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)

## 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	16,149,348.31	(5,056.25)
27	556 System control and load dispatching	-	-
28	557 Other expenses	3,775,676.86	253,501.56
29	Total other power supply expenses	19,925,025.17	2,736,196.04
30	Total power production expenses	19,925,025.17	2,736,196.04
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering		
34	561 Load dispatching	-	-
35	562 Station expenses	41,654.46	34,424.14
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	41,654.46	35,541.92
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment	67,930.00	11,899.68
46	571 Maintenance of overhead lines		
47	572 Maintenance of underground lines		
48	573 Maintenance of misc. transmission plant		
49	Total maintenance	67,930.00	(18,361.36)
50	Total transmission expenses	109,584.46	17,180.56



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES-Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>	\$	\$
2	Operation:		
3	580 Operation supervision & engineering	-	-
4	581 Load dispatching	165,201.99	3,259.15
5	582 Station expenses	410.39	(1,610.90)
6	583 Overhead line expenses	19,389.75	(20,732.60)
7	584 Underground line expenses	-	-
8	585 Street light and signal system exp.	-	-
9	586 Meter expenses	32,028.56	(13,320.54)
10	587 Customer installations expenses	-	-
12	589 Rents	9,494.95	298.78
13	Total operation	226,525.64	(32,106.11)
14	Maintenance:		
15	590 Supervision	59,023.30	8,405.53
16	591 Maintenance of structures	-	-
17	592 Maintenance of station equipment	25,311.90	17,949.72
18	593 Maintenance of overhead lines	428,896.23	177,666.20
19	594 Maintenance of underground lines	177,305.97	13,140.79
20	595 Maintenance of line transformers	1,470.00	470.00
21	596 Maintenance of street light & signal sys.	36,905.57	(22,972.09)
22	597 Maintenance of meters	-	-
23	598 Maintenance of misc. distribution plant	978.13	(1,380.64)
24	Total maintenance	729,891.10	193,279.51
25	Total distribution expenses	956,416.74	161,173.40
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	63,410.76	19,911.32
29	902 Meter reading expenses	36,296.34	6,635.61
30	903 Customer records & collection expenses	237,908.97	46,089.77
31	904 Uncollectable accounts	(12,820.75)	(13,103.90)
32	906 Customer service & Information	105,554.50	13,090.57
	908 Consumer education	43,132.47	4,735.53
	909 Info & instructional services	588,778.77	123,823.49
	910 Miscellaneous customer service	384.00	(16,344.00)
33	Total customer accounts expenses	1,062,645.06	184,838.39
34	<b>SALES EXPENSES</b>		
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	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	1,352,422.07	(93,801.36)
44	921 Office supplies and expenses	341,868.65	172,095.82
46	923 Outside services employed	291,537.57	44,365.83
47	924 Property insurance	52,376.30	3,986.12
48	925 Injuries and damages	21,147.38	1,390.03
49	926 Employee pensions and benefits	1,147,876.17	(51,607.47)
50	928 Regulatory commission expenses	-	-
51	929 Duplicate charges - Cr	-	-
52	930 Miscellaneous general expenses & 934	59,027.20	26,353.18
53	931 Rents	46,184.67	16,162.52
54	Total operation	3,312,440.01	118,944.67

**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	274,034.13	97,330.09
4	933 Transportation expense	(5,679.74)	99,926.83
5	Total Maintenance	268,354.39	197,256.92
6	Total admin. and general expenses	3,580,794.40	316,201.59
7	Total Electric Operation & Maintenance Expenses	25,634,465.83	956,982.51

**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	19,925,025.17		19,925,025.17
15	Total Power Production Expenses	19,925,025.17	-	19,925,025.17
16	Transmission Expenses	41,654.46	67,930.00	109,584.46
17	Distribution Expenses	226,525.64	729,891.10	956,416.74
18	Customer Accounts Expenses	1,062,645.06	-	1,062,645.06
19	Sales Expenses	-	-	-
20	Administrative and General Expenses	3,312,440.01	268,354.39	3,580,794.40
21	Power Production Expenses	-	-	-
22	Total Electric Operation and Maintenance Expenses	24,568,290.34	1,066,175.49	25,634,465.83

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).....	103.55%
24	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....	\$ 3,055,201.20
25	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees).....	43.00



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

Report below the particulars called for in each column

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
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11					
12					
13					
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42					
43					
44					
45					
46					
47					
48					
49					
50					
51	<b>TOTALS</b>	\$0.00	\$0.00	\$0.00	\$0.00

**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,				
3	allowances and returns.....				
4	Contract work.....	81,602.57			81,602.57
5	Commissions.....				
6	Other(list according to major classes)				
7					
8					
9					
10	Total Revenues	81,602.57			81,602.57
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost).....				
16					
17	Labor	78,461.30			78,461.30
18	Transportation	41,071.62			41,071.62
19	Materials	46,456.34			46,456.34
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	165,989.26	-	-	165,989.26
51	Net Profit (or loss)	(84,386.69)	-	-	(84,386.69)

**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)
1	<b>NONE</b>							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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16								
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25								
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27								
28								
29								
30								
31								
32								
33								
34								
35								

**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)		
<b>NONE</b>								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
			0	\$0	\$0	\$0	\$0	0.0000
	<b>TOTALS</b>	0	\$0	\$0	\$0	\$0	0.0000	35





**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)	
								1
								2
60 minute	13.8K	32,120,000	446,160	1,220,631	(781,865)	884,926	2.7551	3
60 minute	13.8K	7,542,598	49,858	172,666	(101,909)	120,615	1.5991	4
60 minute	13.8K	31,425,864	6,977,751	1,972,575	-	8,950,326	28.4808	5
60 minute	13.8K	5,169,034	-	255,308	-	255,308	4.9392	6
								7
60 minute	13.8K	5,473,327	-	543,228	(54,540)	488,687	8.9285	8
								9
60 minute	13.8K	4,889,093	-	452,638	(62,286)	390,352	7.9841	10
60 minute	13.8K	1,961,789	-	145,172	-	145,172	7.4000	11
								12
60 minute	13.8K	69,049,816	-	3,324,376	-	3,324,376	4.8145	13
60 minute	13.8K	1,321,429	-	82,991	-	82,991	6.2804	14
60 minute	13.8K	3,808,798	-	169,588	-	169,588	4.4525	15
60 minute	13.8K	3,583,819	-	357,621	(2,437)	355,184	9.9108	16
60 minute	13.8K	6,535,200	-	437,858	-	437,858	6.7000	17
60 minute	13.8K	431,110	-	35,158	-	35,158	8.1552	18
60 minute	13.8K	-	-	-	(79,667)	(79,667)		19
								20
60 minute	13.8K	441,499	-	5,298	-	5,298	1.2001	22
								23
								24
60 minute	13.8K	3,421,935	1,174,744	449,388	(1,040,958)	583,174.16	17.0422	26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
<b>TOTALS</b>		<b>177,175,311</b>	<b>8,648,513</b>	<b>9,624,497</b>	<b>(2,123,661)</b>	<b>16,149,348.31</b>	<b>9.1149</b>	

\* Value of Capacity Credit

**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	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Kilowatt-hours			Amount of Settlement
					Received	Delivered	Net Difference	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	<b>TOTALS</b>				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	<b>TOTALS</b>		0

**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)
<b>SOURCES OF ENERGY</b>		
1		
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	
8	Purchases.....	177,937,164
9	{ In (gross).....	
10	Interchanges..... { Out (gross).....	
11	{ Net (Kwh).....	
12	{ Received.....	
13	Transmission for/by others (wh..... { Delivered.....	
14	{ Net (kwh).....	
15	<b>TOTAL</b> .....	<b>177,937,164</b>
<b>DISPOSITION OF ENERGY</b>		
16		
17	Sales to ultimate consumers (including interdepartmental sales).....	168,496,306
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.....	8,809,514
25	Unaccounted for losses.....	
26	Total energy losses.....	8,809,514
27	Energy losses as percent of total on line 15..... 4.95%	
28	<b>TOTAL</b>	<b>177,937,164</b>

**MONTHLY PEAKS AND OUTPUT**

- |  |   |
|--|---|
| <p>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.</p> <p>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.</p> | <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)</p> <p>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.</p> <p>5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.</p> |
|--|---|

**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	32,465	Tuesday	2	9am-10am	60 Minute Interval	16,695,059
30	February	27,404	Wednesday	7	1pm-2pm	60 Minute Interval	12,809,977
31	March	24,655	Wednesday	21	7pm-8pm	60 Minute Interval	13,464,537
32	April	23,918	Friday	6	4pm-5pm	60 Minute Interval	11,584,639
33	May	26,511	Tuesday	29	6pm-7pm	60 Minute Interval	12,077,884
34	June	33,038	Monday	18	5pm-6pm	60 Minute Interval	12,882,445
35	July	37,330	Tuesday	3	4pm-5pm	60 Minute Interval	16,564,906
36	August	40,663	Wednesday	29	5pm-6pm	60 Minute Interval	16,739,144
37	September	37,771	Thursday	6	3pm-4pm	60 Minute Interval	13,674,820
38	October	26,001	Wednesday	10	6pm-7pm	60 Minute Interval	12,706,731
39	November	25,859	Tuesday	20	12pm-1pm	60 Minute Interval	13,718,305
40	December	26,559	Thursday	13	5pm-6pm	60 Minute Interval	14,855,948
41						<b>TOTAL</b>	<b>167,774,395</b>

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

- |   |  |
|---|--|
| <p>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.)</p> <p>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.</p> <p>3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.</p> | <p>4. If peak demand for 60 minutes is not available, give that which is available, specifying period.</p> <p>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.</p> <p>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.</p> <p>7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501 and</p> |
|---|--|

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

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

547 as shown on line 24

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

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

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to 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
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					40	
					41	
					42	

**STEAM GENERATING STATIONS**

1. Report the information called for concerning generating stations and equipment at end of year.  
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, 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 ownership by respondent, name of co-owner, basis of sharing output,

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

**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.l.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
<b>NONE</b>											
											1
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**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).

**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	<b>NONE</b>						
2							
3							
4							
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\*Horizontal or vertical. Also indicate type of runner - Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).



**HYDROELECTRIC GENERATING STATIONS - Continued**

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

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

Water Wheels - Continued			Generators						Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit in Station (o)	Number of Units in Station (p)		
NONE										1
										2
										3
										4
										5
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										37
TOTALS										38
										39

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

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.  
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, 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	<b>NONE</b>						
2							
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**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	<b>NONE</b>							
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46								
47	<b>TOTALS</b>							

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

**SUBSTATIONS**

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

4. Indicate in column (b) the functional character or each 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			-				
3	Station #219 Forest Ridge Rd	Dist. & Sub-trans.- Unattended	115	13.8		120,000	2				
4											
5											
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32											
					<b>TOTALS</b>	120,000	2		<b>TOTALS</b>	-	-

**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				
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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	2,578	176,831
17	Additions during year:				
18	Purchased.....		20	14	2,745
19	Installed.....	119			
20	Associated with utility plant acquired....				
21	Total Additions.....	119	20	14	2,745
22	Reductions during year:				
23	Retirements.....		117	134	5,031
24	Associated with utility plant sold.....				
25	Total Reductions.....	0	117	134	5,031
26	Number at End of Year.....	8,376	9,936	2,458	174,546
27	In stock.....		934	505	46,462
28	Locked meters on customers' premises.....				
29	Inactive transformers on system.....				
30	In customers' use.....		8,305	1,948	127,484
31	In company's use.....		72	5	600
32	Number at End of Year.....		9,311	2,458	174,546

**CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE -- (Distribution System)**  
 Report below the information called for concerning conduit, underground cable, and submarine cable at end of year

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable		
			Miles (c)	Operating Voltage (d)	Feet (e)	Operating Voltage (f)	
1	Center of Concord	1.110	1.400	1PHASE 7970/13800			
2			5.540	3PHASE 7970/13800			
3							
4	Sub-transmission	7.100	31.400	3PHASE 7970/13800			
5							
6							
7	Distribution Circuits	16.560	42.810	3PHASE 7970/13800			
8							
9							
10	Various URD Developments	1.000	0.890	1PHASE 2400/4160			
11				0.000			3PHASE 2400/4160
12				25.560			1PHASE 7970/13800
13				58.450			3PHASE 7970/13800
14				17.280			3PHASE 7970/13800
15	West Concord Business Area	0.650	0.632	1PHASE 7970/13800			
16				4.037			3PHASE 7970/13800
17							
18	Route 2 Crossing at Route 62	0.942	1.714	3PHASE 7970/13800			
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33							
34	TOTALS	52.922	164.153				



STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town	Total	TYPE													
			Incandescent		Mercury Vapor		Fluorescent		Hi-Press. Sodium		Mercury Halite		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	1,416	-	-	28	-	-	-	29	-	668	-	691	-	1,416	-
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52	TOTALS	1,416	-	-	28	-	-	-	29	-	668	-	691	-	1,416	-

Next page is 79

Next page is 79

**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
March 1, 2018	407	General Service - Net Metering Rate		
June 1, 2018	408	Residential Time of Use		
September 1, 2018	409	Residential Service - Rate Assistance Rider		
September 1, 2018	410	Residential Service		
September 1, 2018	411	Residential Time of Use		
September 1, 2018	412	Residential Service - Electric Resistance & Heat Pump Heating Systems/DHW		
September 1, 2018	413	Residential Service - Off-Peak		
September 1, 2018	414	Small General Service		
September 1, 2018	415	Medium General Service		
September 1, 2018	416	Large General Service		
September 1, 2018	417	General Service - Off-Peak ETS Heating		

See Appendix for  
copies of Filed Rates

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

x   
Christopher Whalen *Kate Hodges*

Town Manager  
Acting/Deputy

x   
David Wood

Director

x   
Gordon Brockway, Chair

Members  
of the  
Municipal  
Light  
Board

x   
Peggy Briggs

x   
Dan Gainsboro

x   
Wendy Rovelli

x   
Lynn Salinger

# 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

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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.

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  
Replaces Mass DPU No. 278

Effective: July 1, 2010

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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 R-8-12 SOLAR 12 CENT RATE  
RESIDENTIAL SERVICE**

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Mass DPU No. 328  
New Rate

Effective: March 1, 2011

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As the result of a contractual agreement between the Customer and the Concord Municipal Light Plant (the "**CMLP**"), charges to the Customer under this rate will be used to pay for power purchased from a third party who owns a photovoltaic system located on the Customer's property. The charge applies to all power generated by the photovoltaic system on the Customer's property, regardless of whether that power is used to meet electricity needs on the Customer's property or flows into the CMLP's distribution system. Charges for electricity that flows into the CMLP's distribution system will be offset by payments to the Customer, as described in rate schedule A11 R-6, 1-1-11. The Purchased Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the Meter Charge do not apply under this rate. However, CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

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

**Applicability**

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.

**Monthly Rate**

Energy Rate;	
All Kilowatthours	\$0.12000 per kWh

**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 kilowatthours generated by the third-party-owned photovoltaic system on the Customer's property 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 continuous service 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 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**

The period of service under this rate schedule is outlined in the Concord Municipal Light Plant Customer Agreement – Solar Power Purchase Program.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-8-15 SOLAR 15 CENT RATE  
RESIDENTIAL SERVICE**

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Mass DPU No. 329  
New Rate

Effective: March 1, 2011

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As the result of a contractual agreement between the Customer and the Concord Municipal Light Plant (the "**CMLP**"), charges to the Customer under this rate will be used to pay for power purchased from a third party who owns a photovoltaic system located on the Customer's property. The charge applies to all power generated by the photovoltaic system on the Customer's property, regardless of whether that power is used to meet electricity needs on the Customer's property or flows into the CMLP's distribution system. Charges for electricity that flows into the CMLP's distribution system will be offset by payments to the Customer, as described in rate schedule A11 R-6, 1-1-11.

The Purchased Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the Meter Charge do not apply under this rate. However, CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

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

**Applicability**

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.

**Monthly Rate**

Energy Rate;	
All Kilowatthours	\$0.15000 per kWh

**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 kilowatthours generated by the third-party-owned photovoltaic system on the Customer's property 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 continuous service 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 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**

The period of service under this rate schedule is outlined in the Concord Municipal Light Plant Customer Agreement – Solar Power Purchase Program.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-8-18 SOLAR 18 CENT RATE  
RESIDENTIAL SERVICE**

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Mass DPU No. 330  
New Rate

Effective: March 1, 2011

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As the result of a contractual agreement between the Customer and the Concord Municipal Light Plant (the "**CMLP**"), charges to the Customer under this rate will be used to pay for power purchased from a third party who owns a photovoltaic system located on the Customer's property. The charge applies to all power generated by the photovoltaic system on the Customer's property, regardless of whether that power is used to meet electricity needs on the Customer's property or flows into the CMLP's distribution system. Charges for electricity that flows into the CMLP's distribution system will be offset by payments to the Customer, as described in rate schedule A11 R-6, 1-1-11.

The Purchased Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the Meter Charge do not apply under this rate. However, CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

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

**Applicability**

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.

**Monthly Rate**

Energy Rate;	
All Kilowatthours	\$0.18000 per kWh

**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 kilowatthours generated by the third-party-owned photovoltaic system on the Customer's property 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 continuous service 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 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**

The period of service under this rate schedule is outlined in the Concord Municipal Light Plant Customer Agreement – Solar Power Purchase Program.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE UUC  
UNDERGROUND UTILITIES CHARGE**

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Mass DPU No. 333

Effective: March 1, 2011

Replaces Mass DPU No. 322

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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**

**RATE R-8-10 SOLAR 10 CENT RATE  
RESIDENTIAL SERVICE**

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Mass DPU No. 337  
New Rate

Effective: February 1, 2012

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As the result of a contractual agreement between the Customer and the Concord Municipal Light Plant (the "**CMLP**"), charges to the Customer under this rate will be used to pay for power purchased from a third party who owns a photovoltaic system located on the Customer's property. The charge applies to all power generated by the photovoltaic system on the Customer's property, regardless of whether that power is used to meet electricity needs on the Customer's property or flows into the CMLP's distribution system. Charges for electricity that flows into the CMLP's distribution system will be offset by payments to the Customer, as described in rate schedule A11 R-6, 1-1-11.

The Purchased Power Cost Adjustment Clause, the NYPA Power Cost Adjustment Clause, the Conservation And Renewable Energy Services Charge, the Underground Utilities Charge and the Meter Charge do not apply under this rate. However, CMLP Rules and Regulations are incorporated by reference as a part of this rate schedule.

**Availability**

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

**Applicability**

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.

**Monthly Rate**

Energy Rate;	
All Kilowatthours	\$0.10000 per kWh

**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 kilowatthours generated by the third-party-owned photovoltaic system on the Customer's property 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 continuous service 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 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**

The period of service under this rate schedule is outlined in the Concord Municipal Light Plant Customer Agreement – Concord Solar Program.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

RATE G-2 TOUR  
MEDIUM GENERAL SERVICE TIME OF USE RATE

Mass DPU No. 344

Effective: January 1, 2013

Replaces Mass DPU No. 304

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for medium general service on the basis of this rate schedule. The Purchased 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**"). All energy consumed during the off-peak period, as defined below, will be at the off-peak rate. All energy consumed during the remaining periods will be at the on-peak rate. Loads served under this off-peak provision must 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 electric service required by the Customer for lighting, power and any other purpose including Off-Peak loads directly controlled by the CMLP, other than residential service as defined in Rate R Schedules, where the Customer's maximum metered On-Peak demand is equal to or greater than 20.0 kW for any two months during any twelve month period. The electrical connection of any equipment or appliance(s) installed so as to use off-peak energy under this rate must be inspected and approved by the CMLP.

**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)	\$20.00 per month
Meter Charge (Three Phase)	\$60.00 per month
Demand Rate	\$13.85 per billing kW
Energy Rate (on-peak)	\$0.19920 per kWh
Energy Rate (off-peak)	\$0.05500 per kWh

The above energy rate 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 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, on-peak kilowatt demand established during any 15 minute interval ,or 30% of the highest metered, off-peak kilowatt demand established during any 15 minute interval.
- (b) 95% of the greatest metered or calculated kVA during the on-peak periods of the month; or
- (c) 20 kW.

### **Billing Periods**

Off-peak hours are 10PM to 6AM, Monday-Friday and all weekend hours. All the remaining hours are on-peak.

### **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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge, and the monthly demand charge will be multiplied by two (2).

### **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-2  
GENERAL SERVICE – NET METERING RATE**

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Mass DPU No.345

Effective: January 1, 2013

Replaces Mass DPU No. 321

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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.

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**

The cost of power shall be defined as 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 applicable day time hours.

Meter Charge

Will be the charge under the applicable billing tariff

**Terms**

The calculated credit for generation will be rendered either monthly or bi-monthly, at the sole discretion of the CMLP. 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**

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

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Mass DPU No. 351

Effective: January 1, 2013

Replaces Mass DPU No. 334

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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 R-5  
RESIDENTIAL SERVICE-ASSISTANCE WITH CONTROLLED WATER HEATING

Mass DPU No. 368

Effective: January 1, 2013

Replaces Rate Mass DPU No. 318

The Concord Municipal Light Plant (the "**CMLP**") shall charge and collect for residential service with controlled domestic electric water heating on the basis of this rate schedule. The Purchased 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**"). Service to electric water heaters for domestic purposes under this rate schedule will be available for a minimum of 18 hours each day.

**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 and 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.

The electric water heating equipment installed must be approved and controlled by the 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.

**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. Customers receiving three phase service will be assessed three times the single phase Meter Charge.

**Monthly Rate**

Meter Charge (Single Phase)	\$3.00 per month
Meter Charge (Three Phase)	\$9.00 per month
Energy Rate:	
First 350 kWhs	\$0.064666 per kWh
Next 400 kWhs	\$0.05500 per kWh
Next 150 kWhs	\$0.064666 per kWh
Next 900 kWhs	\$0.14327 per kWh
Next 800 kWhs	\$0.15678per kWh
All In Excess of 2,600 kWh	\$0.17029 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.

**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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the number of kilowatt-hours in each Energy Rate block will be multiplied by two (2).

**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. In addition, the Customer must reconfirm eligibility each year.



**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

Effective: January 1, 2013

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**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**

**RATE G-3  
LARGE GENERAL SERVICE – NET METERING RATE**

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Mass DPU No.374  
New Rate

Effective: May 1, 2014

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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.

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**

The cost of power shall be defined as 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 applicable day time hours.

Meter Charge

Will be the charge under the applicable billing tariff

**Terms**

The calculated credit for generation will be rendered either monthly or bi-monthly, at the sole discretion of the CMLP. 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 G-1  
SMALL GENERAL SERVICE – NET METERING RATE**

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Mass DPU No.376  
New Rate

Effective: May 1, 2014

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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.

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**

The cost of power shall be defined as 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 applicable day time hours.

Meter Charge

Will be the charge under the applicable billing tariff

**Terms**

The calculated credit for generation will be rendered either monthly or bi-monthly, at the sole discretion of the CMLP. 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**

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

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Mass DPU No. 380  
Replaces Mass DPU No. 360

Effective: May 1, 2015

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**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  
Replaces Mass DPU No. 313

Effective: May 1, 2015

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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

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Mass DPU No. 385  
Replaces Mass DPU No. 296

Effective: May 1, 2015

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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.

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

Mass DPU No. 386

Effective: May 1, 2015

Replaces Mass DPU No.367

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**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

\$0.08883/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.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

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

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Mass DPU No. 393

Effective: January 9, 2017

Replaces Mass DPU No. 346

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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 make 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	.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP.

**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-7**

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

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Mass DPU No. 394

Effective: January 9, 2017

Replaces Mass DPU No. 370

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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

\$0.14431 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 either monthly or bi-monthly, at the sole discretion of the CMLP.

**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  
RESIDENTIAL SERVICE

Mass DPU No. 401  
Replaces Mass DPU No. 395

Effective: February 2, 2017

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)	\$9.00 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	\$0.03160 per kWh
Energy Charge	\$0.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the number of kilowatt-hours in each Energy Rate block will be multiplied by two (2).

**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. 402

Effective: February 1, 2017

Replaces Mass DTE No. 400

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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**

Initial, One Time Meter Installation Charge if (Single Phase) for approved sub- or multi-metered applications (listed above)	\$300.00
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Meter Charge	\$9.00 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	\$0.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the number of kilowatt-hours in each Energy Rate block will be multiplied by two (2).

**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-3  
RESIDENTIAL SERVICE – OFF PEAK**

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Mass DPU No. 403

Effective: February 1, 2017

Replaces Mass DPU No. 399

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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

\$0.06418per kWh

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 either monthly or bi-monthly, at the sole discretion of the CMLP.

**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 G-1  
SMALL GENERAL SERVICE

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 Mass DPU No. 404

Effective: February 1, 2017

 Replaces Mass DPU No. 396
 

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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)	\$9.00 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	\$0.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the number of kilowatt-hours in each Energy Block will be multiplied by two (2).

**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. 405

Effective: February 1, 2017

Replaces Mass DPU No. 397

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)	\$33.00 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	\$0.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the monthly demand charge will be multiplied by two (2).

**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**

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 Mass DPU No. 406

Effective: February 1, 2017

 Replaces Mass DPU No.398
 

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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)	\$325 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	\$0.06418 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. 408

Effective: June 1, 2018

Replaces Mass DTE No. 402

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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 \$9.00 per month

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	\$0.06418 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 either monthly or bi-monthly, at the sole discretion of the CMLP. When bills are rendered bi-monthly, the Meter Charge and the number of kilowatt-hours in each Energy Rate block will be multiplied by two (2).

**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  
RESIDENTIAL SERVICE-RATE ASSISTANCE RIDER**

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Mass DPU No. 409

Effective: September 1, 2018

Replaces Mass DPU No.386

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**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

\$0.10000/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.

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

RATE R-1  
RESIDENTIAL SERVICE

Mass DPU No. 410  
Replaces Mass DPU No. 401

Effective: September 1, 2018

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)	\$9.00 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	\$0.03160 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. 411  
Replaces Mass DTE No. 408

Effective: September 1, 2018

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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 \$9.00 per month

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 R-7**

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

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Mass DPU No. 412

Effective: September 1, 2018

Replaces Mass DPU No. 394

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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

\$0.15431 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 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

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 G-1  
SMALL GENERAL SERVICE**

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Mass DPU No. 414

Effective: September 1, 2018

Replaces Mass DPU No. 404

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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)	\$9.00 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

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 Mass DPU No. 415

Effective: September 1, 2018

 Replaces Mass DPU No. 405
 

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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)	\$33.00 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**

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 Mass DPU No. 416

Effective: September 1, 2018

 Replaces Mass DPU No.406
 

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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)	\$325 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 GS ETS  
GENERAL SERVICE – OFF PEAK ETS HEATING**

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Mass DPU No. 417

Effective: September 1, 2018

Replaces Mass DPU No. 393

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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 make 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.