

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,

**2015**

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

Official title: Financial Administrator

Sherman Chapman

Office address 1175 Elm Street  
P.O. Box 1029  
Concord, MA 01742-1029

RECEIVED  
Rates and Revenue Division

MAY 2 2016

Commonwealth of Massachusetts  
Department of Public Utilities

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**GENERAL INFORMATION**

Year ended December 31, 2015

3

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 selectperson:  
Alice Kaufman, Town House, Concord, MA 01742, Chairperson  
Carmin C. Reiss, Town House, Concord, MA 01742,  
Michael Lawson, Town House, Concord, MA 01742,  
Jane Hotchkiss, Town House, Concord, MA 01742  
Steven Ng, Town House, Concord, MA 01742
5. Name and address of town (or city) treasurer:  
Anthony Logalbo, Town House, Concord, MA. 01742
6. Name and address of town (or city) clerk:  
Anita S. Tekle, Town House, Concord, MA 01742
7. Names and addresses of members of municipal light board:  
Dan Gainsboro, Municipal Light Plant, Concord, MA 01742 Chairperson  
Peggy Briggs, Municipal Light Plant, Concord, MA 01742  
Lynn Salanger, Municipal Light Plant, Concord, MA 01742  
Jim Terry, Municipal Light Plant, Concord, MA 01742  
Gary Clayton, Municipal Light Plant, Concord, MA 01742
8. Total valuation of estates in town (or city) according to last state valuation \$5,130,493,662
9. Tax rate for all purposes during the year: Fiscal Year 2015 \$13.92 / 1,000
10. Amount of Director's salary: \$141,159.00
11. Amount of manager's bond: \$0.00
12. Amount of salary paid to members of municipal light board (each) \$0.00

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

<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	FROM SALES OF GAS.....	\$0.00
2	FROM SALE OF ELECTRICITY.....	25,951,037.00
3		
4	<b>TOTAL</b>	<b>\$25,951,037.00</b>
5	<b>Expenses:</b>	
6	For operation, maintenance and repairs.....	\$21,913,781.00
7	For interest on bonds, notes or scrip.....	225,357.00
8	For depreciation fund ( 3% on \$59,302,293.93 as per page 8B).....	1,779,068.97
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	714,167.00
12	For loss in preceding year.....	
13	<b>TOTAL</b>	<b>\$24,632,373.97</b>
14		
15	<b>Cost:</b>	
16	Of gas to be used for municipal buildings.....	
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	\$1,948,615.00
19	Of electricity to be used for street lights.....	72,616.00
20	Total of above items to be included in the tax levy.....	2,021,231.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$2,021,231.00

**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	8,169
		Lincoln	7
		Acton	7
<b>TOTAL</b>		<b>TOTAL</b>	<b>8,183</b>

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

(Include also all items charged direct to tax levy, even where no appropriation is made or required.)

**FOR CONSTRUCTION OR PURCHASE OF PLANT:**

*At	meeting	19	, to be paid from{	\$	
*At	meeting	19	, to be paid from{	\$	

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

1.	Street lights.....		\$	72,616
2.	Municipal buildings.....			1,948,615
		TOTAL	\$	<u>2,021,231</u>

\*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. Designed and installed a single-phase underground primary electric distribution system to replace existing direct buried facilities at 300 & 304 Old Pickard Road.
2. Designed and installed a single-phase underground primary electric and secondary electric distribution system to replace existing direct buried facilities at Wolf Pine Way.
3. Designed and installed a three-phase underground primary electric distribution system to facilitate new and existing residential/ commercial installations and remove overhead facilities on Beharrell St.
4. Installed recloser on P.89 Old Rd to 9 Acre Corner for circuit 219-H10.
5. Upgraded existing metering to primary metering and installed three-phase overhead primary along part of Monument St. and single-phase overhead primary along part of Carr Rd. to facilitate the new primary metering setup at the Fenn School.
6. Designed and installed an underground three-phase primary electric distribution system at 24 Commonwealth Ave., 777 Virginia Rd., and 500 Walden St. Concord Carlsle High School.
7. Replaced existing three-phase overhead and underground primary electric distribution system at 676 Elm St.
8. Replaced existing three-phase underground primary electric distribution system and upgraded metering to primary metering at 785 Main St.
9. Designed and installed an underground single-phase primary electric distribution system at 1123 & 1501 Monument St. and 1888 Main St.,
10. Designed and installed a single-phase underground primary and secondary extension at 40 Squaw Sachem trail.

Maintenance of overhead facilities:

Tree trimming was completed on approximately 2/3 of CMLP's overhead electric distribution system including primary and service wires.

In gas property:

**BONDS**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue	Period of Payments		Rate	Interest When Payable	Amount Outstanding
			Amounts	When Payable			
4-4-1898	8-1-1898	35,000.00					
6-1-1900	8-1-1900	16,000.00					
4-1-1901	8-1-1901	10,000.00					
9-30-1902	11-1-1902	10,000.00					
9-30-1903	10-1-1903	15,000.00					
4-4-1904	8-1-1904	10,000.00					
4-4-1910	8-1-1910	20,000.00					
5-5-1916	11-1-1916	10,000.00					
3-7-1921	7-5-1921	75,000.00					
3-14&15-1955	11-1-1955	225,000.00					
6-8-1956	7-1-1956	115,000.00					
5-6-1974	10-1-1974	700,000.00					
5-19-1980	3-18-1981	627,000.00					
3-27-1990	4-15-1991	500,000.00					
3-27-1990	4-15-1991	1,000,000.00					
4-22-1991	4-15-1992	2,000,000.00					
4-22-1991	4-15-1992	500,000.00					
4-22-1991	6-29-1993	6,000,000.00					
4-22-2002	2-15-2003	600,000.00					
4-27-2005	3-1-2006	500,000.00	55,000.00	March 1	3.42%	Sep 1 & Mar 1	0.00
4-27-2005	3-1-2007	1,000,000.00	105,000.00	March 1	3.81%	Sep 1 & Mar 1	135,000.00
4-27-2009	5-17-2011	4,000,000.00	300,000.00	May 15	2.59%	May 15 & Nov 15	2,800,000.00
4-23-2012	6-12-2014	3,900,000.00	300,000.00	June 1	1.98%	Dec 1 & Jun 1	3,600,000.00
	5-21-2015	400,000.00	62,500.00	15-Sep	3.00%	Sep 15 & Mar 15	337,500.00
	<b>TOTAL</b>	<b>\$22,268,000.00</b>	<b>\$822,500.00</b>				<b>\$6,872,500.00</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 of the Town of Concord Municipal Light Plant

Year ended December 31, 2015

**TOWN NOTES**

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue	Period of Payments		Rate	Interest When Payable	Amount Outstanding
			Amounts	When Payable			
4-3-1905	5-1-1905	3,000.00					
4-2-1906	5-1-1906	5,000.00					
4-1-1907	10-1-1907	2,000.00					
4-6-1908	11-2-1908	6,000.00					
4-5-1909	4-5-1909	2,000.00					
4-1-1912	6-1-1912	8,000.00					
5-6-1913	10-1-1913	15,000.00					
3-14-1957	11-1-1957	60,000.00					
6-14-1971	2-20-1974	150,000.00					
4-27-2005	7-28-2005	500,000.00					
4-27-2005	5-4-2006	700,000.00					
4-27-2009	5-27-2010	4,000,000.00					
4-23-2012	6-27-2013	1,200,000.00					
4-23-2012	12-19-2013	2,635,000.00					
<b>TOTAL</b>		<b>\$9,286,000.00</b>	<b>\$0.00</b>				<b>\$0.00</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 of the Town of Concord Municipal Light Plant

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	D. Other Production Plant						
11	340 Land and Land Rights	0.00	496,445.21				496,445.21
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Access						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	\$0.00	\$496,445.21	\$0.00	\$0.00	\$0.00	\$496,445.21
19	Total Production Plant	\$0.00	\$496,445.21	\$0.00	\$0.00	\$0.00	\$496,445.21
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights	497,588.75					497,588.75
22	352 Structures and Improvements	1,967,108.66					1,967,108.66
23	353 Station Equipment	2,980,711.52	9,454.79	0.00			2,990,166.31
24	357 Underground Conduits	421,793.11					421,793.11
25	358 Undergrmd Conductors & Devices	487,720.07					487,720.07
26	Total Transmission Plant	6,354,922.11	9,454.79	0.00	0.00	0.00	6,364,376.90
27	3A. SUBTRANSMISSION PLANT						
28	352ST Structures and Improvements	211,474.35					211,474.35
29	353ST Station Equipment	1,293,959.84	0.00				1,293,959.84
30	357ST Underground Conduits	2,829,991.75					2,829,991.75
31	358ST Undergrmd Conductors & Devices	2,000,454.82					2,000,454.82
32	Total Sub & Transmission Plant	6,335,880.76	0.00	0.00	0.00	0.00	6,335,880.76

## 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	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	\$186,275.00					\$186,275.00
3	361 Structures and Improvements	783,688.70		0.00			783,688.70
4	362 Station Equipment	816,322.24	\$720.00				817,042.24
5	363 Storage Battery Equipment	0.00					0.00
6	364 Poles, Towers and Fixtures	1,543,652.16	9,649.19				1,553,301.35
7	365 Overhead Conductors and Devices	3,511,995.98	115,881.25				3,627,877.23
8	366 Underground Conduits	9,005,793.69	134,132.87				9,139,926.56
9	367 Underground Conductors & Devices	6,584,944.77	210,299.65				6,795,244.42
10	368 Line Transformers	4,457,917.32	271,068.12	213,037.25			4,515,948.19
11	369 Services	970,657.59	107,969.60				1,078,627.19
12	369C Services Conversion overhead to u	511,423.18	12,208.24				523,631.42
13	370 Meters	1,044,478.84	51,927.53	104,278.00			992,128.37
14	371 Installation on Cust's Premises	67,863.35	750.65				68,614.00
15	373 Street Light and Signal Systems	985,191.14	75,966.75				1,061,157.89
16	Total Distribution Plant	30,470,203.96	990,573.85	317,315.25	0.00	0.00	31,143,462.56
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0.00					0.00
19	390 Structures and Improvements	5,640,888.85	7,497.34	0.00			5,648,386.19
20	391 Office Furniture and Equipment	243,445.81	3,876.95	0.00			247,322.76
21	392 Transportation Equipment	1,975,629.50	5,551.71	0.00			1,981,181.21
22	393 Stores Equipment	145,395.10	0.00				145,395.10
23	394 Tools, Shop and Garage Equipment	96,882.05	0.00				96,882.05
24	395 Laboratory Equipment	137,975.85	0.00	0.00			137,975.85
25	396 Power Operated Equipment	89,767.00	5,136.52				94,903.52
26	397 Communication Equipment	5,291,172.84	142,182.63	149,525.78			5,283,829.69
27	398 Miscellaneous Equipment	11,873.98	8,941.23				20,815.21
28	399 Computer Equipment	388,391.75	10,957.07	0.00			399,348.82
29	Total General Plant	14,021,422.73	184,143.45	149,525.78	0.00	0.00	14,056,040.40
30	Total Electric Plant in Service	59,268,831.62	1,680,617.30	466,841.03	0.00	0.00	60,482,607.89
31							Total Cost of Electric Plant
32							Less Cost of Land, Land Rights, Rights of Way
33							Total Cost upon which Depreciation is based
34							1,180,308.96
							59,302,298.93

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.

Annual Report of the Town of Concord Municipal Light Plant

Year ended December 31, 2015

**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	<b>UTILITY PLANT</b>			
2	101 Utility Plant - Electric (P.17)	38,849,892.40	38,618,697.58	(231,194.82)
3	101 Utility Plant - gas (P.20)			
4	123 Investment in Associated Companies			
5	Total Utility Plant	38,849,892.40	38,618,697.58	(231,194.82)
6				
7	121 Non Utility Property	0.00	0.00	0.00
8				
9	<b>FUND ACCOUNTS</b>			
10	124 Other Investments .....	159,820.61	159,820.61	0.00
11	125 Sinking Funds			
12	126 Depreciation Fund (P. 14)	1,957,878.20	2,657,065.75	699,187.55
13	128 Other Special Funds	183,376.04	183,073.09	(302.95)
14				
15	Total Funds	2,301,074.85	2,999,959.45	698,884.60
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14)	6,325,503.63	8,261,741.75	1,936,238.12
18	132 Special Deposits + 134	1,709,967.47	2,507,805.97	797,838.50
19	133 Operating Reserve Fund	1,130,000.00	1,130,000.00	0.00
20	135 Working Funds 131A UG Fund ....	1,028,519.15	1,294,879.82	266,360.67
21	141 Notes and Receivable	0.00	0.00	0.00
22	142 Customer Accounts Receivable	2,239,844.18	2,444,816.06	204,971.88
23	143 Other Accounts Receivable	43,486.87	75,722.21	32,235.34
24	146 Receivables from Municipality	87,228.60	46,082.40	(41,146.20)
25	154 Materials and Supplies (P.14)	961,289.98	1,173,293.93	212,003.95
26	165 Prepayments	3,388,062.01	3,366,243.28	(21,818.73)
27	174 Miscellaneous Current Assets	2,089,271.58	1,796,215.20	(293,056.38)
28	Total Current and Accrued Assets	19,003,173.47	22,096,800.62	3,093,627.15
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount	(333,123.64)	(320,137.99)	12,985.65
31	182 Extraordinary Property Losses			0.00
32	186 Other Deferred Debits	70,400.50	4,929.63	(65,470.87)
33	Total Deferred Debits	(262,723.14)	(315,208.36)	(52,485.22)
34				
35	Total Assets and Other Debits	59,891,417.58	63,400,249.29	3,508,831.71

Annual Report of the Town of Concord Municipal Light Plant

Year ended December 31, 2015

**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	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction			
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves			
5	206 Loans Repayments	2,419,583.30	2,717,083.30	297,500.00
6	207 Appropriations for Construction Repayments			
7	208 Unappropriated Earned Surplus (P.12)	43,414,674.27	44,806,369.36	1,391,695.09
8	Total Surplus	45,834,257.57	47,523,452.66	1,689,195.09
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P.6)	7,295,000.00	6,872,500.00	(422,500.00)
11	231 Notes Payable (P.7)	0.00	0.00	0.00
12	Total Bonds and Notes	7,295,000.00	6,872,500.00	(422,500.00)
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	228 Appropriation of Benefit	119,552.98	131,948.88	12,395.70
15	232 Accounts Payable	2,793,567.87	3,533,245.66	739,677.78
16	234 Payables to Municipality	0.00	0.00	0.00
17	235 Customer Deposits	249,372.14	320,225.73	70,853.59
18	236 Taxes Accrued	58,156.39	33,324.08	(24,832.31)
19	237 Interest Accrued	31,370.85	30,431.25	(939.60)
20	242 Miscellaneous Current and Accrued Liabilities	3,235,277.33	4,541,461.74	1,306,184.41
21	Total Current and Accrued Liabilities	6,487,297.56	8,590,637.13	2,103,339.57
22	<b>DEFERRED CREDITS</b>			
23	251 Unamortized Premium on Debt			
24	252 Customer Advances for Construction	61,486.41	200,586.41	139,100.00
25	253 Other Deferred Credits			
26	Total Deferred Credits	61,486.41	200,586.41	139,100.00
27	<b>RESERVES</b>			
28	260 Reserves for Uncollectable Accounts	30,000.00	30,000.00	0.00
29	261 Property Insurance Reserve			
30	262 Injuries and Damages Reserves	183,376.04	183,073.09	(302.95)
31	263 Pensions and Benefits			
32	265 Miscellaneous Operating Reserves			
33	Total Reserves	213,376.04	213,073.09	(302.95)
34	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
35	271 Contributions in Aid of Construction			0.00
	<b>Total Liabilities and Other Credits</b>	<b>59,891,417.58</b>	<b>63,400,249.29</b>	<b>3,508,831.71</b>

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 \$472,400.00

## 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)	25,699,988.78	(348,131.23)
3	Operating Expenses:		
4	401 Operation Expense (P.42)	20,760,448.87	(821,680.57)
5	402 Maintenance Expense (P. 42)	944,398.35	391,386.18
6	403 Depreciation Expense	1,757,549.04	92,618.46
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P.49)		
10	Total Operating Expenses	23,462,396.26	(337,675.93)
11	Operating Income	2,237,592.52	(10,455.30)
12	414 Other Utility Operating Income (P.50)		
13			
14	Total Operating Income	2,237,592.52	(10,455.30)
15	<b>OTHER INCOME</b>		
16	415 Income from Merch., Job.& Contract Work(P.51)	153,873.76	(40,378.81)
17	419 Interest Income	37,816.27	15,634.57
18	421 Miscellaneous Nonoperating Income	5,769.11	3,919.29
19	Total Other Income	197,459.14	(20,824.95)
20	Total Income	2,435,051.66	(31,280.25)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization		0.00
23	426 Other Income Deductions	330.44	(493.25)
24	Total Income Deductions	330.44	(493.25)
25	Income Before Interest Charges	2,434,721.22	(30,787.00)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	232,532.28	43,000.27
28	428 Amortization of Debt Discount and Expense	(29,191.51)	(10,537.01)
29	429 Amortization of Premium on Debt-Credit		
30	431 Other Interest Expense		
31	432 Interest Charged to Construction-Credit		
32	Total Interest Charges	203,340.77	32,463.26
33	Net Income	2,231,380.45	(63,250.26)

## EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	Unapprop.Earned Surplus(at beginning of period)		43,414,674.27
35			
36			
37	433 Balance Transferred from Income		2,231,380.45
38	434 Miscellaneous Credits to Surplus (P.21)		
39	435 Miscellaneous Debits to Surplus (P.21)		
40	436 Appropriation of Surplus (P.21)	769,900.00	
41	437 Surplus Applied to Depreciation		(69,785.36)
42	208 Unapprop. Earned Surplus(at end of period)	44,806,369.36	
43			
44	TOTALS	45,576,269.36	45,576,269.36

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

Line No.	Items (a)	Amount (b)
1	Operating Cash Fund.....	8,261,741.75
2	Underground Fund.....	1,294,879.82
3	Emergency Repairs Fund.....	1,130,000.00
4	Customer Deposit Fund.....	320,225.73
5	Customer Advance for Construction.....	202,502.25
6	Bond Fund.....	483,333.33
7	Interest Fund.....	34,790.37
8	Rate Stabilization Fund.....	1,465,364.70
9		
10		
11		
12	TOTAL	13,192,837.95

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

Line No.	Account (a)	Amount End of Year
		Electric (b)
13	Fuel (Account 151 ) (See Schedule, Page 25)	
14	Fuel Stock Expenses (Account 152)	
15	Residuals (Account 153)	
16	Plant Materials & Operating Supplies(Account 154)	1,173,293.93
17	Merchandise (Account 155)	
18	Other Materials and Supplies (Account 156)	
19	Nuclear Fuel Assembly & Comp.-(Acct.157)	
20	Nuclear Fuel Assembly & Comp.-(Account 158)	
21	Nuclear Byproduct Materials (Account 159)	
22	Stores Expense (Account 163)	
23	Total Per Balance Sheet	1,173,293.93

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year	1,957,878.20
26	Income during year from balance on deposit	4,581.91
27	Amount transferred from income	1,757,549.04
28	Amount transferred from underground fund	126,030.23
29	TOTAL	3,846,039.38
30	CREDITS	
31	Amount expended for constr.(Sec.57,C.164 of G.L.)	1,188,973.63
32	Amounts expended for renewals,viz:-	
33		
38		
39	Balance on hand at end of year	2,657,065.75
40		

**UTILITY PLANT - ELECTRIC**

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT	\$1,365,807.16		(\$13,174.56)			\$1,352,632.60
2							
3							
4							
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines & Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
14							
15	Total Steam Production Plant	NONE					
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	NONE					

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways.....						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant	NONE					
10	D. Other Production Plant						
11	340 Land and Land Rights.....	0.00	496,445.21				496,445.21
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	Total Other Production Plant	0.00	496,445.21	0.00	0.00	0.00	496,445.21
19	Total Production Plant	0.00	496,445.21	0.00	0.00	0.00	\$496,445.21
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	\$497,588.75					\$497,588.75
22	352 Structures and Improvements.....	830,129.18					771,115.94
23	353 Station Equipment.....	2,071,232.56	9,454.79	(\$59,013.24)			2,002,279.95
24	357 Underground Conduits.....	60,467.77		(78,407.40)			47,814.01
25	358 Underground Conductors and Devices.....	94,698.33		(12,653.76)			80,066.73
26	Total Transmission Plant.....	3,554,116.59	9,454.79	(164,706.00)	0.00	0.00	3,398,865.38
27	3A. SUBTRANSMISSION PLANT						
28	352ST Structures and Improvements.....	94,329.99		(6,344.28)			87,985.71
29	353ST Station Equipment.....	954,410.35		(49,832.76)			904,577.59
30	357ST Underground Conduits.....	1,458,623.71		(56,599.80)			1,402,023.91
31	358ST Underground Conductors and Devices.....	800,728.42		(60,013.68)			740,714.74
32	Total Sub & Transmission Plant	3,308,092.47	0.00	(172,790.52)	0.00	0.00	3,135,301.95



**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	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights.....	\$186,275.00					\$186,275.00
3	361 Structures and Improvements.....	403,388.31		(\$23,510.64)			379,877.67
4	362 Station Equipment.....	498,555.56	\$720.00	(24,489.72)			474,785.84
5	363 Storage Battery Equipment.....	0.00					0.00
6	364 Poles, Towers and Fixtures.....	687,448.78	9,649.19	(46,309.56)			650,788.41
7	365 Overhead Conductors and Devices	1,960,338.92	115,881.25	(105,359.88)			1,970,860.29
8	366 Underground Conduits.....	6,296,071.64	134,132.87	(180,115.92)			6,250,088.59
9	367 Underground Conductors & Devices	3,925,585.01	210,299.65	(197,548.32)			3,938,336.34
10	368 Line Transformers.....	1,822,654.42	271,068.12	(133,737.48)	(20,000.53)		1,939,984.53
11	369 Services.....	730,005.96	107,969.60	(29,119.68)			808,855.88
12	369C Service Conversions-Ovhd to Undr	330,687.39	12,208.24	(15,342.72)			327,552.91
13	370 Meters.....	755,520.29	51,927.53	(52,224.00)	(78,591.22)		676,632.60
14	371 Installation on Cust's Premises	41,510.13	750.65	(2,035.92)			40,224.86
15	372 Leased Prop. on Cust's Premises	0.00		0.00			0.00
16	373 Street Light and Signal Systems	652,850.01	75,966.75	(49,259.52)			679,557.24
17	Total Distribution Plant	18,290,891.42	990,573.85	(859,053.36)	(98,591.75)	0.00	18,323,820.16
18	5. GENERAL PLANT						
19	389 Land and Land Rights.....	0.00					0.00
20	390 Structures and Improvements.....	3,907,163.48	7,497.34	(169,226.64)			3,745,434.18
21	391 Office Furniture and Equipment.....	103,836.80	3,876.95	(12,337.56)			95,376.19
22	392 Transportation Equipment.....	626,624.55	5,551.71	(158,050.32)			474,125.94
23	393 Stores Equipment.....	78,698.88		(2,907.96)			75,790.92
24	394 Tools, Shop and Garage Equipment	41,849.84		(7,750.56)			34,099.28
25	395 Laboratory Equipment.....	78,633.70		(11,038.08)			67,595.62
26	396 Power Operated Equipment.....	50,149.49	5,136.52	(4,488.36)			50,797.65
27	397 Communication Equipment.....	4,347,576.35	142,182.63	(155,545.80)	(60,472.87)		4,273,740.31
28	398 Miscellaneous Equipment.....	8,536.30	8,941.23	(1,781.16)			15,696.37
29	399 Computer Equipment.....	121,011.78	10,957.07	(24,698.16)			107,270.69
30	Total General Plant.....	9,364,081.17	184,143.45	(547,824.60)	(60,472.87)	0.00	8,939,927.15
31	Total Electric Plant in Service	35,882,988.81	1,680,617.30	(1,757,549.04)	(159,064.62)	0.00	35,646,992.45
32	104 Utility Plant Leased to Others						
33	105 Property Held for Future Use						
34	107 Construction Work in Progress	2,966,903.59	4,801.54				2,971,705.13
35	Total Utility Plant Electric	38,849,892.40	1,685,418.84	(1,757,549.04)	(159,064.62)	0.00	38,618,697.58

**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	TOTAL					
4	Used During Year (Note A)					
5						
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF					
13	BALANCE END OF YEAR					
			Kinds of Fuel and Oil - Continued			
Line No.	Item (g)	Quantity (h)	Cost (i)	Quantity (j)	Cost (k)	
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

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

Line No.	Item (a)	Amount (b)
1	Sale of Solar Renewable Energy Certificates	2,648.11
2	Sale of Miscellaneous Scrap Metal	3,121.00
4		
5		
6	TOTAL	5,769.11

**OTHER INCOME DEDUCTIONS (Account 426)**

Line No.	Item (a)	Amount (b)
7	Interest on Deposits	330.44
8		
9		
12		
13		
14	TOTAL	330.44

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

Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
21		
22		
23	TOTAL	0.00

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

Line No.	Item (a)	Amount (b)
24		
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	472,400.00
34	Appropriation for Repayment of Bonds	797,500.00
35	Reversal of Appropriation of Bonds Fully Retired	(500,000.00)
37		
38		
39		
40	TOTAL	769,900.00

Annual Report of the Town of Concord Municipal Light Plant Year ended December 31, 2015

**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					
2					
3	482				
4		TOTALS	NONE		

Line No.	Acc't 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)	11,608,628	1,751,857.34	15.0910
6					
7		TOTALS	11,608,628	1,751,857.34	15.0910
8					
9		Street Lighting:	449,454	64,703.35	14.3960
10					
11		TOTALS	449,454	64,703.35	14.3960
12					
13					
17					
19		TOTALS	12,058,082	1,816,560.69	15.0651

**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	Kearsarge Solar	Concord MA @13800 Volts Station 223 H4	2,008,125	148,809.31	7.4104
21	Customer Net Metering	Concord MA @13800 Volts various	253,456	8,747.73	3.4514
22	NextEra	Concord Mass.	49,081,366	2,990,239.53	6.0924
23	PASNY Hydro Power	@ 13800 Volts	7,411,698	239,038.36	3.2251
24	Exelon	Station #219 @115/13.8Kv	74,901,926	4,016,489.43	5.3623
25	Braintree Watson		3,526,594	1,580,446.09	44.8151
26	ISO Spot Market		25,016,360	3,085,859.79	12.3354
27	Miller Hydro Group		5,045,250	264,698.82	5.2465
28	Industrial Power Services		5,418,220	252,883.36	4.6673
29	Spruce Mountain Wind		6,134,106	268,784.28	4.3818
30	Saddleback Ridge Wind		2,447,396	189,948.35	7.7612
31	Dominion UCAP		CAPACITY Only	236,925.00	0.0000
32	PSEG of New Jersey		CAPACITY Only	575,474.49	0.0000
33		TOTALS	181,244,497	13,858,344.54	7.6462

**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)
34					
35					
36					
37		TOTALS		0.00	



**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	65,389,761	10,556,327.35	0.1614	6,463	6,483
2	440-R2	Residential w/Contrld Wtr Ht	4,636,713	633,158.16	0.1366	345	351
3	440-R3	Residential Off Peak	3,081,144	225,219.41	0.0731		
4	440-R4	Residential Farm	86,132	12,962.00	0.1505	6	6
5	442-G1-1	Small General	13,134,115	2,404,673.04	0.1831	1,040	1,040
6	442-G1-2	General w/Contrld Wtr Ht	427	19.56	0.0458		
7	442-21OP	Small General W Controlled ETS Heat	43,272	3,122.98	0.0722		
8	442-G1-4	Small General Farm	129,897	21,377.03	0.1646	8	8
9	442-G2-1	Medlum General	26,303,935	4,233,208.96	0.1609	158	160
10	442-G2OP	Med. General W Controlled ETS Heat	0	0.00	0.0000		
11	442-G2-4	Medlum General Farm	315,900	44,544.11	0.1410	1	1
12	442-G3-1	Large General	49,365,437	6,740,710.37	0.1365	20	20
13	444-G1	Municipal Small General	334,288	62,671.43	0.1875	42	42
14	444-G2	Municipal Medlum General	4,860,400	756,052.00	0.1556	20	20
15	444-G3	Municipal Large General	6,413,940	933,133.91	0.1455	5	5
16	444-SL	Municipal Street Lights	449,454	64,703.35	0.1440	1	1
17	445	Unbilled Revenue	(2,196,697)	(293,056.38)			
18	449-1	Provision for Rate Refund		(710,399.71)			
19	449-15	Provision for Rate Stabilization		(608,676.40)			
20							
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)		172,348,118	25,079,751.17	0.1455	8,109	8,137

**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	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
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	<b>NUCLEAR POWER GENERATION</b>		
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	<b>HYDRAULIC POWER GENERATION</b>		
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	13,858,344.54	(777,601.08)
27	556 System control and load dispatching	0.00	0.00
28	557 Other expenses	3,330,484.59	111,960.09
29	Total other power supply expenses	17,188,829.13	(665,640.99)
30	Total power production expenses	17,188,829.13	(665,640.99)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering		
34	561 Load dispatching	193.08	193.08
35	562 Station expenses	5,919.46	(6,877.88)
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	6,112.54	(6,684.80)
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment	86,291.36	4,361.03
46	571 Maintenance of overhead lines		
47	572 Maintenance of underground lines	0.00	0.00
48	573 Maintenance of misc. transmission plant		
49	Total maintenance	86,291.36	4,361.03
50	Total transmission expenses	92,403.90	(2,323.77)



Annual Report of the Town of Concord Municipal Light Plant

Year ended December 31, 2015

**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	104,808.89	(24,020.82)
5	582 Station expenses	387.65	300.26
6	583 Overhead line expenses	28,200.90	(33,273.61)
7	584 Underground line expenses		(377.76)
8	585 Street light and signal system exp.		
9	586 Meter expenses	58,584.26	83.82
10	587 Customer installations expenses		
12	588 Rents	8,982.33	94.57
13	Total operation	200,964.03	(57,193.54)
14	Maintenance:		
15	590 Supervision	88,520.14	5,915.00
16	591 Maintenance of structures	0.00	(1,282.69)
17	592 Maintenance of station equipment	5,193.66	(12,939.34)
18	593 Maintenance of overhead lines	510,509.61	335,533.48
19	594 Maintenance of underground lines	92,165.74	5,181.44
20	595 Maintenance of line transformers	750.00	(610.00)
21	596 Maintenance of street light & signal sys.	21,190.28	4,789.71
22	597 Maintenance of meters	0.00	0.00
23	598 Maintenance of misc. distribution plant	591.06	(890.50)
24	Total maintenance	718,920.49	335,697.10
25	Total distribution expenses	919,884.52	278,503.56
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	36,145.47	17,058.76
29	902 Meter reading expenses	23,283.27	12,241.48
30	903 Customer records & collection expenses	189,314.59	12,026.56
31	904 Uncollectable accounts	(60.74)	(5,626.86)
32	906 Customer service & information	19,586.72	(8,688.28)
	908 Consumer education	41,034.53	2,553.36
	909 Info & instructional services	226,612.68	(181,981.67)
	910 Miscellaneous customer service	8,500.00	8,470.00
33	Total customer accounts expenses	544,416.52	(143,946.65)
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	0.00	0.00
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	1,297,794.41	(6,791.55)
44	921 Office supplies and expenses	75,698.65	3,072.55
46	923 Outside services employed	147,229.85	47,906.57
47	924 Property insurance	48,923.25	(28,229.98)
48	925 Injuries and damages	27,345.14	6,944.43
49	926 Employee pensions and benefits	1,159,245.30	55,067.67
50	928 Regulatory commission expenses		
51	929 Duplicate charges - Cr		
52	930 Miscellaneous general expenses & 934	32,194.09	(14,413.26)
53	931 Rents	31,695.96	(11,771.02)
54	Total operation	2,820,126.65	51,785.41

**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	201,045.80	7,649.96
4	933 Transportation expense	(61,859.30)	43,678.09
5	Total Maintenance	139,186.50	51,328.05
6	Total admin. and general expenses	2,959,313.15	103,113.46
7	Total Electric Operation & Maintenance Expenses	21,704,847.22	(430,294.39)

**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	17,188,829.13		17,188,829.13
15	Total Power Production Expenses	17,188,829.13		17,188,829.13
16	Transmission Expenses	6,112.54	86,291.36	92,403.90
17	Distribution Expenses	200,964.03	718,920.49	919,884.52
18	Customer Accounts Expenses	544,416.52		544,416.52
19	Sales Expenses	0.00		0.00
20	Administrative and General Expenses	2,820,126.65	139,186.50	2,959,313.15
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	20,760,448.87	944,398.35	21,704,847.22

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).....	91.29%
24	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.....	\$2,725,808.97
25	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees).....	31



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

Report below the particulars called for in each column

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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39					
40					
41					
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, allowances and returns.....				
3					
4	Contract work.....	363,066.91			363,066.91
5	Commissions.....				
6	Other(list according to major classes)				
7					
8					
9					
10	<b>Total Revenues</b>	<b>\$363,066.91</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$363,066.91</b>
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major classes of cost).....				
15					
16					
17	Labor	77,569.07			77,569.07
18	Transportation	42,235.51			42,235.51
19	Materials	89,388.57			89,388.57
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	<b>TOTAL COSTS AND EXPENSES</b>	<b>\$209,193.15</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$209,193.15</b>
51	<b>Net Profit (or loss)</b>	<b>\$153,873.76</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$153,873.76</b>

**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	NONE							
2								
3								
4								
5								
6								
7								
8								
9								
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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)		
NONE								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
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								28
								29
								30
								31
								32
								33
								34
TOTALS		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 (i)	Voltage at Which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 minute	13.8K	49,081,366		\$2,990,240	\$0	\$2,990,240	6.0924	1
60 minute	13.8K	7,411,698		90,905	148,134	239,038	3.2251	2
60 minute	13.8K	25,016,360		3,085,860	0	3,085,860	12.3354	3
60 minute	13.8K	5,045,250		239,038	0	264,699	5.2465	4
60 minute	13.8K	5,418,220		252,883	0	252,883	4.6673	5
60 minute	13.8K	6,134,106		268,784	0	268,784	4.3818	6
60 minute	13.8K	74,901,926		4,016,489	0	4,016,489	5.3623	7
60 minute	13.8K	2,447,396		189,948	0	189,948	7.7612	8
60 minute	13.8K	2,008,125		148,809	0	148,809	7.4104	9
								10
								11
								12
								13
60 minute	13.8K	253,456		8,748	0	8,748	3.4514	14
								15
								16
60 minute	13.8K	3,526,594		1,580,446	0	1,580,446	44.8151	17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
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								33
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								35
								36
								37
								38
								39
								40
								41
<b>TOTALS</b>		<b>181,244,497</b>	<b>\$0</b>	<b>\$12,872,151</b>	<b>\$148,134</b>	<b>\$13,045,945.05</b>	<b>7.1980</b>	

**INTERCHANGE POWER (Included in Account 555)**

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

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

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

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	<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>		
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	
8	Purchases.....	181,244,497
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>181,244,497</b>
<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales).....	172,348,118
18	Sales for resale.....	
19	Energy furnished with out charge.....	
20	Energy used by the company (excluding station use).....	547,424
21	Electric department only.....	547,424
22	Energy losses:	
23	Transmission and conversion losses.....	
24	Distribution losses.....	8,348,955
25	Unaccounted for losses.....	
26	Total energy losses.....	8,348,955
27	Energy losses as percent of total on line 15..... 4.61%	
28	<b>TOTAL</b> .....	<b>181,244,497</b>

**MONTHLY PEAKS AND OUTPUT**

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

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

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

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

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

**Monthly Peak**

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4) (g)
29	January	31,151	Thursday	8	9pm-10pm	60 Minute Int.	17,410,626
30	February	30,555	Sunday	15	9pm-10pm	60 Minute Int.	16,169,434
31	March	28,762	Thursday	5	9pm-10pm	60 Minute Int.	15,620,765
32	April	24,140	Thursday	9	6pm-7pm	60 Minute Int.	12,695,062
33	May	33,003	Thursday	28	5pm-6pm	60 Minute Int.	13,961,299
34	June	32,346	Tuesday	23	6pm-7pm	60 Minute Int.	14,282,956
35	July	37,411	Wednesday	29	5pm-6pm	60 Minute Int.	17,038,034
36	August	37,007	Tuesday	18	3pm-4pm	60 Minute Int.	16,985,441
37	September	39,737	Tuesday	8	5pm-6pm	60 Minute Int.	15,141,804
38	October	23,196	Wednesday	28	7pm-8pm	60 Minute Int.	13,931,715
39	November	25,129	Monday	30	6pm-7pm	60 Minute Int.	13,402,245
40	December	27,218	Wednesday	30	5pm-6pm	60 Minute Int.	14,605,116
41						<b>TOTAL</b>	<b>181,244,497</b>

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

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)  
 2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.  
 3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.  
 5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.  
 6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.  
 7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine)	NONE		
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
						2
						3
						4
						5
						6
						7
						8
						9
						10
						11
						12
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					36	
					37	
					38	
					39	
					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	NONE						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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36							
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.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
				NONE							

**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	NONE						
2							
3							
4							
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36							
37							

\*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
										6
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										36
										37
										38
										39
<b>TOTALS</b>										

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

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

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

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	NONE						
2							
3							
4							
5							
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39							

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

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.  
4. Designate any generating station or portion thereof leased to another company and give name 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.

Prime Movers - Continued			Generators					Total Installed Generating Capacity In Kilowatts (name plate ratings) (p)	Line No.
Rated hp. of unit (h)	Total Rated hp. of station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit In Kilowatts (n)	Number of Units in Station (o)		
NONE									1
									2
									3
									4
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<b>TOTALS</b>									39

**GENERATING STATION STATISTICS (Small Stations)**

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW\* and other stations of less than 500 KW\* installed capacity (name plate ratings). (\*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.  
 2. Designate any plant leased from others, operated under a license from the Federal Power Commission, or operated as a joint facility, and give a concise statement of the facts in a footnote.  
 3. List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.  
 4. Specify if total plant capacity is reported in kva instead of kilowatts.  
 5. If peak demand for 60 minutes is not available, give that which is available, specifying period.  
 6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

Line No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0.00 (l)	
								Labor (h)	Fuel (i)	Other (j)			
1	NONE												
2													
3													
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28		<b>TOTALS</b>											

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	NONE							
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3								
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46								
47	TOTALS							

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

Empty rectangular box for additional notes or comments.

**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 of each sub-station, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (c), (d), and (e) 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 others, jointly owned with others, or operated otherwise than by

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (In Service) (f)	Number of Transformers in Service (g)	Number of spare Transformers (h)	Conversion Apparatus and Special Equipment			
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)	
1												
2	Station #223 Main St.	Dist.-Unattended Dist. & Sub-trans.- Unattended	13.8	13.8		0						
3	Station #219 Forest Ridge		115	13.8		2						
4												
5												
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32												
<b>TOTALS</b>						120,000	2					

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles- Beginning of Year	107.95		107.95
2	Added During Year			0.00
3	Retired During Year			0.00
4	Miles-End of Year	107.95		107.95
5				
6				
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15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Wait-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at beginning of year.....	8,092	10,915	2,601	189,811
17	Additions during year:				
18	Purchased.....		189	67	7,202
19	Installed.....	91			
20	Associated with utility plant acquired....				
21	Total Additions.....	91	189	67	7,202
22	Reductions during year:				
23	Retirements.....		987	169	5,955
24	Associated with utility plant sold.....				
25	Total Reductions.....	0	987	169	5,955
26	Number at End of Year.....	8,183	10,117	2,499	171,058
27	In stock.....		1,484	556	44,562
28	Locked meters on customers' premises.....				
29	Inactive transformers on system.....				
30	In customers' use.....		8,610	1,938	125,896
31	In company's use.....		23	5	600
32	Number at End of Year.....		10,117	2,499	171,058

Annual Report of the Town of Concord Municipal Light Plant		70		Year ended December 31, 2015		
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						
8	Distribution Circuits	16.560	42.810	3PHASE 7970/13800		
9						
10						
11						
12	Various URD Developments	1.000	0.890	1PHASE 2400/4160		
13			0.000	3PHASE 2400/4160		
14			58.450	1PHASE 7970/13800		
15		25.560	17.280	3PHASE 7970/13800		
16						
17	West Concord Business Area	0.650	0.632	1PHASE 7970/13800		
18			4.037	3PHASE 7970/13800		
19						
20						
21	Route 2 Crossing at Route 62	0.942	1.714	3PHASE 7970/13800		
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34	TOTALS	52.922	164.153			



STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	TYPE							
			Incandescent		Mercury Vapor		Fluorescent		High Press. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	CONCORD	1408	0		28		0		1,380	
2										
3										
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51										
52	TOTALS	1408	0	0	28	0	0	0	1380	0

## RATE SCHEDULE INFORMATION

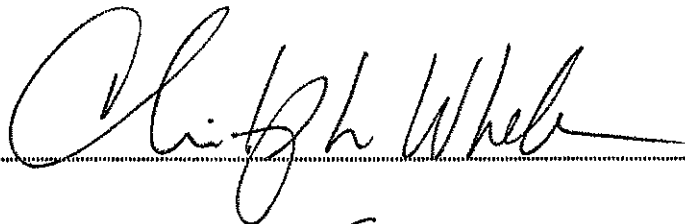
1. Attach copies of all Filed Rates for General Consumers.
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenue predicted on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decreases
May 1, 2015	379	Residential Service	\$0.00	
May 1, 2015	380	Residential and General Service - Farm Discount Rider	\$0.00	
May 1, 2015	381	Residential Time of Use	\$0.00	
May 1, 2015	382	Controlled Water Heating Credit Rider	\$0.00	
May 1, 2015	383	Residential Service Rider - Net Metering with Banking Rate	\$0.00	
May 1, 2015	384	Power Cost Adjustment Clause	\$0.00	
May 1, 2015	385	Private Area Lighting		\$250.00
May 1, 2015	386	Residential Service - Rate Assistance Rider	\$0.00	
May 1, 2015	387	Small General Service	\$0.00	
May 1, 2015	389	Medium General Service	\$0.00	
May 1, 2015	390	Large General Service	\$0.00	

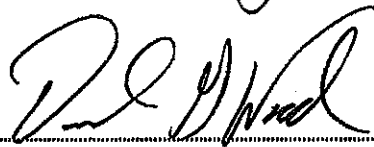
0.00

250.00

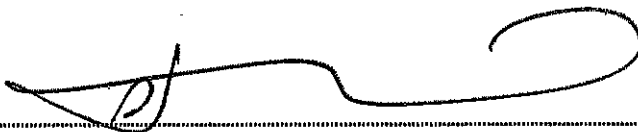
THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY



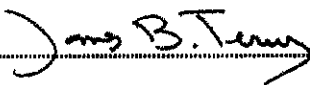
Town Manager

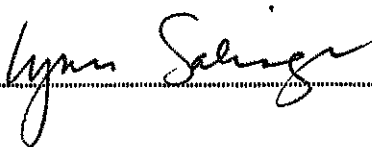


Director



Members  
of the  
Municipal  
Light  
Board





**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE R-1  
RESIDENTIAL SERVICE**

---

Mass DPU No. 379  
Replaces Mass DPU No. 359

Effective: May 1, 2015

---

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)	\$6.80 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	\$0.03603 per kWh
Next 316 kWhs	\$0.05061 per kWh
All in excess of 916 kWhs	\$0.07857 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**

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

---

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**

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

---

Mass DPU No. 381  
Replaces Mass DTE No. 362

Effective: May 1, 2015

---

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

**Monthly Rate**

Meter Charge	\$6.75 per month
Capacity and Transmission and Distribution Charges:	
On-peak All kWhs	\$0.13793 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**

**CONTROLLED WATER HEATING CREDIT RIDER**

---

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  
Replaces Mass DPU No 378

Effective: May 1, 2015

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

**Availability**

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

**Applicability**

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

This rate rider is only available for residential service.

**Rates and Credits**

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

**Distribution Charge**

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

Rate Net Metering With Banking

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

**Rate Net Metering With Banking**

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

**Terms**

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

**Effective Date**

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

**Term of Contract**

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

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**POWER COST ADJUSTMENT CLAUSE  
Rate Schedule PCA**

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Mass DPU No. 384  
Replaces Mass DPU No. 349

Effective: May 1, 2015

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

**CONCORD MUNICIPAL LIGHT PLANT  
ELECTRIC RATE SCHEDULES**

**RATE PAL  
PRIVATE AREA LIGHTING**

Mass DPU No. 385  
Replaces Mass DPU No. 296

Effective: May 1, 2015

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..

Rate PAL

**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**

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Mass DPU No. 386  
Replaces Mass DPU No.367

Effective: May 1, 2015

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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
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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 G-1  
SMALL GENERAL SERVICE**

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Mass DPU No. 387  
Replaces Mass DPU No. 338

Effective: May 1, 2015

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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 kW. 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)	\$6.59 per month
Customers requiring three phase service shall pay a one-time fee of \$200 to cover additional meter costs	
Capacity and Transmission Charge:	\$0.06935 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. 389  
Replaces Mass DPU No. 342

Effective: May 1, 2015

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)	\$30.19 per month
Meter Charge (Three Phase)	\$60.00 per month
Demand Rate	\$10.85 per billing kW
Capacity and Transmission Charge	\$0.02257 per kWh
Distribution Charge	\$.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. 390  
Replaces Mass DPU No.347

Effective: May 1, 2015

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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)	\$320.72 per month
Demand Rate	\$9.97 per billing kW
Transmission and Capacity Charge	\$0.01844 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.