

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the City of

CHICOPEE

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2019

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

Jeffrey R. Cady

Official title: General Manager

Office address: 725 Front Street
Chicopee, MA 01020-1778

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GENERAL INFORMATION

1.	Name of town (or city) making report.	Chicopee, MA
2.	If the town (or city) has acquired a plant, 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,	Electric Began operation and distribution 1896
3.	Name and address of manager of municipal lighting:	Jeffrey R. Cady Chicopee Electric Light Department 725 Front Street Chicopee, MA 01020-1778
4.	Name and address of mayor or selectmen:	John L. Vieau City Hall Market Square Chicopee, MA 01013
5.	Name and address of town (or city) treasurer:	Marie T. Laflamme City Hall Market Square Chicopee, MA 01013
6.	Name and address of town (or city) clerk:	Keith Rattell City Hall Market Square Chicopee, MA 01013
7.	Names and addresses of members of municipal light board:	Robert L. Pajak, Chairman Joseph F. Pasternak, III Carl E. Sittard
8.	Total valuation of estates in town (or city) according to last State valuation (taxable)	\$4,140,694,439
9.	Tax rate for all purposes during the year:	\$ 17.46/1000 Res. \$33.93/1000 Comm.
10.	Amount of manager's salary:	\$183,884
11.	Amount of manager's bond:	\$10,000
12.	Amount of salary paid to members of municipal light board (each):	None

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.

		Amount
INCOME FROM PRIVATE CONSUMERS:		
1	From sales of gas	-
2	From sales of electricity	61,081,340.00
3		TOTAL
4		61,081,340.00
EXPENSES		
6	For operation, maintenance and repairs	58,493,589.00
7	For interest on bonds, notes or scrip	
8	For depreciation fund (2.4920% 88,681,241.68 as per page 8B)	2,209,956.00
9	For sinking fund requirements	-
10	For note payments	-
11	For bond payments	-
12	For loss in preceding year	-
13		TOTAL
14		60,703,545.00
COST:		
16	Of gas to be used for municipal buildings	-
17	Of gas to be used for street lights	-
18	Of electricity to be used for municipal buildings	2,496,879.00
19	Of electricity to be used for street lights	167,085.00
20	Total of above items to be included in the tax levy	2,663,964.00
21		
22	New construction to be included in the tax levy	-
23	Total amounts to be included in the tax levy	2,663,964.00

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, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31
	None	City of Chicopee	
		Department Meters	27,165
		Contract Lt. Customers	60
TOTAL	0	TOTAL	27,225

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT

*At meeting, to be paid from **
*At meeting, to be paid from **

TOTAL 0

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

- 1. Street lights 167,085
- 2. Municipal buildings 2,496,879
- 3.

TOTAL 2,663,964

* 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:

\$ 16,000 was invested in hydraulic production plant
 \$ - was invested in other production plant
 \$ - was invested in transmission plant
 \$ 3,006,000 was invested in upgrading the distribution plant
 \$ 2,731,000 was invested in general plant as follows:
 79,000 for property improvements
 12,000 for office equipment
 386,000 for transportation equipment
 1,923,000 for communication equipment.
 74,000 for shop, laboratory and miscellaneous equipment.
 257,000 for information systems equipment

In gas property: Not applicable

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Jun 01, 1895	Sep 15, 1896	81,000					-
Apr 05, 1901	Jun 01, 1901	30,000					-
Oct 01, 1909	Dec 01, 1909	16,000					-
Oct 16, 1911	May 26, 1912	96,000					-
May 01, 1916	Jun 01, 1916	45,000					-
Nov 05, 1917	May 01, 1918	30,000					-
Jun 22, 1950	Sep 01, 1950	150,000					-
Mar 31, 1954	Apr 01, 1954	250,000					-
Jul 16, 1974	Jan 01, 1975	11,106,000					-
Dec 20, 1977	Jun 01, 1978	16,000,000					-
Nov 05, 1982	May 01, 1983	8,000,000					-
Feb 06, 1985	Jul 01, 1985	18,735,000					-
Feb 06, 1985	Aug 01, 1985	5,265,000					-
	TOTAL	59,804,000				TOTAL	NONE

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

* Date of meeting and whether regular or special

** List original issues of bonds and notes including those that have been repaid

Town Notes

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Jun 06, 1896	Jun 15, 1896	6,000					
Dec 15, 1901	Dec 18, 1901	3,000					
Nov 28, 1904	Dec 01, 1904	2,500					
Aug 05, 1907	Nov 01, 1907	19,000					
Jan 06, 1983	Jan 10, 1983	945,000					
Jan 06, 1983	Jan 26, 1983	330,000					
Jan 06, 1983	Feb 25, 1983	375,000					
Jan 06, 1983	Mar 25, 1983	470,000					
Jan 06, 1983	Apr 26, 1983	515,000					
TOTAL		2,665,500				TOTAL	-

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond and notes are repaid report the first three columns only

* Date of meeting and whether regular or special

** List original issues of bonds and notes including those that have been repaid

TOTAL COST OF PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c) or (d) as appropriate.		effect of such amounts.		4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative					
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2	303 Misc Intangible Plant	2,825,000	-	-	-	-	2,825,000
3							
4		2,825,000	-	-	-	-	2,825,000
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	-	-	-	-	-	-
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	-	-	-	-	-	-

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights	371,362					371,362
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways	2,032,048	16,275				2,048,323
5	333 Water Wheels, Turbines and Generators	268,373					268,373
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	2,671,782	16,275	-	-	-	2,688,057
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	667,139					667,139
13	342 Fuel Holders, Producers and Accessories	131,638					131,638
14	343 Prime Movers						
15	344 Generators	1,760,954					1,760,954
16	345 Accessory Electric Equipment	460,600					460,600
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	3,020,331	-	-	-	-	3,020,331
19	Total Production Plant	5,692,113	16,275	-	-	-	5,708,388
20	3. Transmission Plant						
21	350 Land and Land Rights	257,393					257,393
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment	1,773,122					1,773,122
25	354 Towers and Fixtures	538,872					538,872
26	355 Poles and Fixtures	897,608					897,608
27	356 Overhead Conductors and Devices	582,964					582,964
28	357 Underground Conduit	222,894					222,894
29	358 Underground Conductors and Devices	72,333					72,333
30	359 Roads and Trails	119,385					119,385
31	Total Transmission Plant	4,464,572	-	-	-	-	4,464,572

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	153,805	-	-	-	-	153,805	
3	361 Structures and Improvements	30,557	-	-	-	-	30,557	
4	362 Station Equipment	9,963,210	-	-	-	-	9,963,210	
5	363 Storage Battery Equipment							
6	364 Poles Towers and Fixtures	3,543,954	64,336	(14,226)			3,594,064	
7	365 Overhead Conductors and Devices	11,770,733	556,311				12,327,044	
8	366 Underground Conduit	7,581,366	316,688				7,898,054	
9	367 Underground Conductors and Devices	6,995,545	363,046	(79)			7,358,512	
10	368 Line Transformers	7,128,371	151,571	(79,410)			7,200,531	
11	369 Services	2,466,551	19,217		(154)		2,485,615	
12	370 Meters	2,859,783	1,435,140	(229,733)			4,065,189	
13	371 Installations on Customer's Premises	6,953					6,953	
14	372 Leased Prop on Customer's Premises	704,121	56,258	(1,070)			759,308	
15	373 Streetlight and Signal Systems	1,110,935	43,680	(5,680)			1,148,934	
16	Total Distribution Plant	54,315,885	3,006,248	(330,200)	(154)	-	56,991,778	
17	5. GENERAL PLANT							
18	389 Land and Land Rights	24,503					24,503	
19	390 Structures and Improvements	8,064,319	79,270				8,143,589	
20	391 Office Furniture and Equipment	186,290	11,490				197,780	
21	392 Transportation Equipment	2,504,658	386,336	(72,235)			2,818,759	
22	393 Stores Equipment	157,388					157,388	
23	394 Tools, Shop and Garage Equipment	497,336	34,522	(108,897)			422,960	
24	395 Laboratory Equipment	517,079	39,559	(42,455)			514,183	
25	396 Power Operated Equipment							
26	397 Communication Equipment	3,392,780	1,923,493	(274,225)			5,042,048	
27	398 Miscellaneous Equipment	44,596					44,596	
28	399 Other Tangible Property	2,327,480	256,748	(451,468)			2,132,760	
29	Total General Plant	17,716,429	2,731,418	(949,280)	-	-	19,498,566	
30	Total Electric Plant in Service	85,013,998	5,753,940	(1,279,480)	(154)	-	89,488,305	
31	Total Cost of Electric Plant.....							89,488,305
33	Less Cost of Land, Land Rights, Rights of Way.....							807,063
34	Total Cost upon which Depreciation is based							88,681,242

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 value, should be taken as a basis for figuring depreciation.

COMPARATIVE BALANCE SHEET Assets and Other Debits				
Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	UTILITY PLANT			
2	101 Utility Plant - Electric (P. 17)	41,617,813.91	45,212,274.67	3,594,461
3	101 Utility Plant - Gas (P. 20)			
4	121 Nuclear Fuel Millstone #3			
5	Total Utility Plant	41,617,813.91	45,212,275	3,594,461
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	124 Investment - Hydro Quebec II	168,076.57	180,015	11,938
13	125 Sinking Funds			
14	126 Depreciation Fund (P. 14)	23,638,849.78	21,644,350	(1,994,499)
15	128 Other Special Funds	24,069,585	27,353,505	3,283,920
16	Total Funds	47,876,511	49,177,870	1,301,358
17	CURRENT AND ACCRUED ASSETS			
18	131 Cash (P. 14)	2,777,628	2,274,354	(503,274)
19	132 Special Deposits	1,171,067	1,159,691	(11,376)
20	135 Working Funds	2,000	3,000	1,000
21	134 Other Special Deposits	1,467,857	1,553,583	85,727
22	141 Notes Receivable			
23	142 Customer Accounts Receivable	5,268,077	5,004,601	(263,476)
24	143 Other Accounts Receivable	703,197	420,903	(282,294)
25	146 Receivables from Municipality			
26	151 Materials and Supplies (P. 14)	2,300,126	2,945,236	645,110
27				
28	165 Prepayments	4,961,013	5,491,259	530,246
29	171 Interest/Dividend Receivable	154,127	149,235	(4,892)
30	174 Miscellaneous Current Assets			
31	Total Current and Accrued Assets	18,805,092	19,001,862	196,770
32	DEFERRED DEBITS			
33	181 Unamortized Debt Discount			
34	182 Extraordinary Property Losses	6,001,795	5,134,066	(867,729)
35	183 Preliminary Survey & Investment Chgs	-	-	-
36	185 Other Deferred Debits			-
37	186 Misc. Deferred Debits	2,824,719	4,251,558	1,426,839
38	Total Deferred Debits	8,826,514	9,385,624	559,110
39				
40	Total Assets and Other Debits	117,125,932	122,777,630	5,651,698
L-15	Reserve Fund - Liability	-	-	-
	Reserve Fund - Rate Stabilization	19,823,916	22,476,757	2,652,841
	Reserve Fund - Retirement	4,121,670	4,752,749	631,079
	Reserve Fund - Other	123,999	123,999	-
	Total	24,069,585	27,353,505	3,283,920
L-21	Braintree Watson -PPD Fund	164,290	140,294	(23,996)
	Westover Fund	1,015,038	1,124,098	109,061
	Swift River Hydro Operations Co Inc	25,000	25,000	-
	Other Miscellaneous Special Deposits	263,529	264,191	662
	Total	1,467,857	1,553,583	85,727
L-28	Prepaid Insurance	6,147	6,229	83
	MMWEC - PASNY	272,955	272,955	-
	MMWEC FUND -WORKING CAPITAL	3,504,708	4,004,708	500,000
	Prepaid Postage & Misc.	1,177,204	1,207,366	30,163
	Total	4,961,013	5,491,259	530,246

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	APPROPRIATIONS			
2	201 Appropriations for Construction	-	-	-
3	SURPLUS			
4	205 Sinking Fund Reserves			
5	206 Loans Repayment			
6	219 Accum Other Comprehensive Income	-	-	-
7	216 Unappropriated Earned Surplus (P. 12)	71,131,413	73,941,000	2,809,586
8	Total Surplus	71,131,413	73,941,000	2,809,586
9	LONG TERM DEBT			
10	221 Bonds (P. 6)			
11	231 Notes Payable (P. 7)			
12	Total Bonds and Notes	-	-	-
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable	5,147,296	5,417,106	269,810
15	234 Payables to Municipality			
16	235 Customers' Deposits	1,084,779	1,244,414	159,635
17	236 Taxes Accrued			
18	237 Interest Accrued	11,333	24,314	12,981
19	242 Miscellaneous Current and Accrued Liabilities	1,391,570	1,496,528	104,959
20	Total Current and Accrued Liabilities	7,634,977	8,182,362	547,385
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt			-
23	252 Customer Advances for Construction			-
24	253 Other Deferred Credits	21,797,651	22,423,019	625,368
25	Total Deferred Credits	21,797,651	22,423,019	625,368
26	RESERVES			
27	260 Reserves for Uncollectible Accounts	330,000	340,000	10,000
28	261 Property Insurance Reserve			-
29	262 Injuries and Damages Reserves	-	-	-
30	263 Pensions and Benefits Reserves	13,459,963	15,119,323	1,659,360
31	265 Miscellaneous Operating Reserves			
32	Total Reserves	13,789,963	15,459,323	1,669,360
33	CONTRIBUTIONS IN AID OF			
34	CONSTRUCTION			
35	271 Contributions in Aid of Construction	2,771,927	2,771,927	-
36	Total Liabilities and Other Credits	117,125,932	122,777,630	5,651,698

State below if any earning 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.

L-19 Accrued Wages	236,046	256,278	20,232
Sales Tax Payable	61,204	62,663	1,459
In Lieu Of Tax	382,500	382,500	-
Misc Curr & Accr Lia	711,820	795,087	83,267
	1,391,570	1,496,528	104,959

STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37)	59,387,238	(4,989,774)
3	Operating Expenses:		
4	401 Operation Expense (p. 42)	54,745,689	(2,007,167)
5	402 Maintenance Expense (p.42)	1,876,737	234,157
6	403 Depreciation Expense	2,213,268.52	16,274
7	407 Amortization of Property Losses	867,729	-
8		-	-
9	408 Taxes (P. 49)	-	-
10	Total Operating Expenses	59,703,424	(1,756,736)
11	Operating Income	(316,185)	(3,233,037)
12	412 Rental Income - Hot Water Tanks	-	-
13	414 Other Utility Operating Income (P. 50)		
14	Total Operating Income	(316,185)	(3,233,037)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	390,332	32,564
17	419 Interest Income	1,498,164	(63,555)
18	421 Miscellaneous Nonoperating Income (P. 21)	2,026,024.69	3,586,182
19	Total Other Income	3,914,521	3,555,192
20	Total Income	3,598,336	322,154
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions (P. 21)	15,955	(606)
24	Total Income Deductions	15,955	(606)
25	Income Before Interest Charges	3,582,382	322,761
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes		
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit		
30	431 Other Interest Expense	32,795	(5,751)
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	32,795	(5,751)
33	NET INCOME	3,549,586	328,512
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	216 Unappropriated Earned Surplus (at beginning of period)		71,131,413
35			
36			
37	433 Balance Transferred from Income	-	3,549,586
38	434 Miscellaneous Credits to Surplus (P. 21)		-
39	435 Miscellaneous Debits to Surplus (P. 21)	-	
40	436 Appropriations of Surplus (P. 21)	740,000	
41	437 Surplus Applied to Depreciation		
42	216 Unappropriated Earned Surplus (at end of period)	73,941,000	
43			
44	TOTALS	74,681,000	74,681,000

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund	2,274,354.40
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	2,274,354.40

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

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 18)	54,265.08	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	2,890,970.84	
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet	2,945,235.92	

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year	23,638,849.78
26	Income during year from balance on deposit (interest)	960,548.68
27	Amount transferred from income (depreciation)	3,044,952.00
28		
29	TOTAL	27,644,350.46
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	6,000,000.00
32	Amounts expended for renewals,viz:-	
33	Loss during year from balance on deposit (interest)	
34		
35		
36		
37		
38		
39	Balance on hand at end of year	21,644,350.46
40	TOTAL	27,644,350.46

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	371,362	-	-	-	-	371,362
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways	1,721,796	16,275	(101,602.32)			1,636,468
5	333 Water Wheels, Turbines and Generators	251,469	-	(13,418.64)	-	-	238,050
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	2,344,626	16,275	(115,021)	-	-	2,245,880
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	532,165	-	(18,782.29)	-	-	513,383
13	342 Fuel Holders, Producers and Accessories	18,347	-	(1,719.00)	-	-	16,628
14	343 Prime Movers			-			
15	344 Generators	75,997		(5,499.96)			70,497
16	345 Accessory Electric Equipment	232,484		(13,818.00)			218,666
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	858,994	-	(39,819)	-	-	819,175
19	Total Production Plant	3,203,620	16,275	(154,840)	-	-	3,065,055
20	3. Transmission Plant						
21	350 Land and Land Rights	257,393	-	-	-	-	257,393
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment	1,509,256		(53,193.60)			1,456,062
25	354 Towers and Fixtures	458,052		(16,166.28)			441,886
26	355 Poles and Fixtures	762,989		(26,928.24)			736,061
27	356 Overhead Conductors and Devices	495,542		(17,488.92)			478,053
28	357 Underground Conduit	189,460		(6,686.88)			182,773
29	358 Underground Conductors and Devices	61,483		(2,169.96)			59,313
30	359 Roads and Trails	101,666		(3,581.52)			98,085
31	Total Transmission Plant	3,835,842	-	(126,215)	-	-	3,709,626

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	153,805	-	-	-	-	153,805
3	361 Structures and Improvements	6,732	-	(916.68)	-	-	5,816
4	362 Station Equipment	7,566,953	-	(245,001.72)	-	-	7,321,951
5	363 Storage Battery Equipment			-			
6	364 Poles Towers and Fixtures	1,954,584	64,336	(106,318.92)	-	11,949	1,924,550
7	365 Overhead Conductors and Devices	4,578,937	556,311	(349,134.60)	-	17,359	4,803,472
8	366 Underground Conduit	4,142,209	316,688	(142,051.92)	-	32,675	4,349,520
9	367 Underground Conductors and Devices	2,160,268	363,046	(110,671.80)		61,918	2,474,560
10	368 Line Transformers	3,050,895	151,571	(213,851.52)		(5,234)	2,983,381
11	369 Services	481,292	19,217	(18,489.84)		1,779	483,798
12	370 Meters	997,536	1,435,140	(66,457.08)			2,366,218
13	371 Installations on Customer's Premises						
14	372 Leased Prop on Customer's Premises	129,069	56,258	(20,125.69)		3,571	168,773
15	373 Streetlight and Signal Systems	606,350	43,680	(30,144.96)		(56)	619,829
16	Total Distribution Plant	25,828,630	3,006,248	(1,303,165)	-	123,960	27,655,672
17	5. GENERAL PLANT						
18	389 Land and Land Rights	24,503	-	-	-	-	24,503
19	390 Structures and Improvements	3,146,426	79,270	(159,423.48)			3,066,272
20	391 Office Furniture and Equipment	13,472	11,490	(3,588.56)			21,373
21	392 Transportation Equipment	743,471	386,336	(172,685.19)		(9,188)	947,934
22	393 Stores Equipment	60,522		(6,861.84)			53,660
23	394 Tools, Shop and Garage Equipment	18,657	34,522	(11,024.93)		(425)	41,729
24	395 Laboratory Equipment	184,795	39,559	(31,317.12)		2	193,038
25	396 Power Operated Equipment						
26	397 Communication Equipment	516,123	1,923,493	(138,166.84)		658	2,302,108
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property	566,236	256,748	(105,980.24)			717,004
29	Total General Plant	5,274,205	2,731,418	(629,048)	-	(8,953)	7,367,622
30	Total Electric Plant in Service	38,142,297	5,753,940	(2,213,269)	-	115,006	41,797,975
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
	106 Completed Const.-Not Classified						
33	107 Construction Work in Progress	3,475,501	(61,201)				3,414,300
34	Total Utility Plant Electric	41,617,798	5,692,739	(2,213,268.54)	-	115,006	45,212,274.67

PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)

(Except Nuclear Materials)

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year	55,624.43	24,250	55,624.43		
2	Received During Year	13,784.33	6,894	13,784.33		
3	TOTAL	69,408.76	31,144	69,408.76		
4	Used During Year (Note A)					
5	Generator Fuel	15,143.68	6,647	15,143.68		
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	15,143.68	6,647	15,143.68		
13	BALANCE END OF YEAR	54,265.08	24,497	54,265.08		
			Kinds of Fuel and Oil - continued			
Line No.	Item (g)		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF					
26	BALANCE END OF YEAR					

Note A -- Indicate specific purpose for which used, e.g., Boiler Oil, Make Oil, Generator Fuel, etc.

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Miscellaneous Nonoperating Income -Net Gain/Losses on Disposition of Property	(106.60)
2	Miscellaneous Nonoperating Income -Others	14,737.60
3	Miscellaneous Nonoperating Income -Net Gains/Disp of Investments	(135,215.75)
4	Miscellaneous Nonoperating Income -Net Unrealized Gains/Losses of Investments	2,146,609.44
5		
6	TOTAL	2,026,024.69
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7	Donations	15,954.51
8		
9		
10		
11		
12		
13		
14	TOTAL	15,954.51
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	-
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Adjusment for Other Post Employment Benefits Liability per GASB #75	
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	-
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payment - City of Chicopee	740,000.00
34		
35		
36		
37		
38		
39		
40	TOTAL	740,000.00

MUNICIPAL REVENUES (Account 482,444)
(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)
1					
2					
3					
4		TOTALS			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444-2	Municipal: (Other Than Street Lighting)	20,319,862	2,600,751.79	12.7991
6					
7					
8					
9					
10					
11					
12		TOTALS	20,319,862	2,600,751.79	12.7991
13	444-1	Street Lighting:	1,687,731	174,680.17	10.3500
14					
15					
16					
17					
18		TOTALS	1,687,731	174,680.17	10.3500
19		TOTALS	22,007,593	2,775,431.96	12.6112

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 KWH (cents) (0.0000) (e)
20	ISO-New England	Chicopee, MA 115 KV	96,051,551	11,720,261.10	12.2021
21	P.A.S.N.Y.	Chicopee, MA 115 KV	24,989,084	289,463.24	1.1584
22	Ameresco	Chicopee, MA 13.8 KV	41,235,474	1,896,116.82	4.5983
23	Chicopee Solar, LLC	Chicopee, MA 13.8 KV	4,843,188	278,556.79	5.7515
24	Chicopee River Solar, LLC	Chicopee, MA 13.8 KV	3,172,495	200,716.75	6.3268
25	Chicopee Granby Road Solar, LLC	Chicopee, MA 13.8 KV	2,529,496	160,324.93	6.3382
26	Southern Sky Renewable Energy Chicopee LLC	Chicopee, MA 13.8 KV	2,630,006	138,425.49	5.2633
27	Consolidated Edison Solutions	Chicopee, MA 13.8 KV	4,975,967	249,490.39	5.0139
28	Braintree Watson	Chicopee, MA 115 KV	1,097,926	453,623.58	41.3164
29	MMWEC	Chicopee, MA 115 KV	252,552,000	17,125,293.68	6.7809
30	Ashuelot Hydro	Chicopee, MA 115 KV	4,064,555	248,495.75	6.1137
31	Eagle Creek Hydro	Chicopee, MA 115 KV	8,908,890	457,471.54	5.1350
32	Hancock Wind	Chicopee, MA 115 KV	17,243,510	932,545.07	5.4081
33	Berkshire Wind	Chicopee, MA 115 KV	690,315	247,425.12	35.8424
34	Holiday Hill Wind	Chicopee, MA 115 KV	94,888	5,468.46	5.7631
35					
36					
			465,079,346.02	34,403,679	7.3974

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
37					
38					
39					
40					
41					
42					
43		TOTALS	0	-	

ELECTRIC OPERATING REVENUES (Account 400)

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

meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	25,819,502.60	(988,900.34)	191,215,033	(12,004,447)	23,353	(86)
3	442 Commercial and Industrial Sales	26,706,515.84	(458,727.94)	205,877,232	(6,932,493)	2,539	(21)
4	Small Commercial B Sales						
5	Large Commercial C Sales						
6	444 Municipal Sales	2,775,431.96	(76,345.50)	22,007,593	(923,807)	169	2
7	445 Other Sales to Public Authorities						
	Federal	2,410,786.65	(12,370.79)	22,417,962	(558,158)	5	0
	State	1,699,426.58	(422.92)	12,908,288	(242,703)	77	0
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales - Rate Stabilization	(900,002.95)	(3,420,002.95)				
11	Total Sales to Ultimate Consumers	58,511,660.68	(4,956,770.44)	454,426,108	(20,661,608)	26,143	(104)
12	447 Sales for Resale		-				0
13	Total Sales of Electricity	58,511,660.68	(4,956,770.44)	454,426,108	(20,661,608)	26,143	(104)
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	37,515.76	(5,210.60)				
16	451 Miscellaneous Service Revenues	89,661.12	23,951.12				
17	453 Sales of Water and Water Power						
18	454 Rent from Electric Property	244,031.76	16,041.81				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues						
21	457 Miscellaneous Revenues	504,368.97	(67,785.56)				
22							
23							
24							
25	Total Other Operating Revenues	875,577.61	(33,003.23)				
26	Total Electric Operating Revenue	59,387,238.29	(4,989,773.67)				

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, contract 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 KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440	Residential	191,215,033	25,819,503	13.50000	23,435	23,444
2	442	Commercial & Industrial	205,877,232	26,706,516	12.97000	2,575	2,583
3							
4	444	Municipal	22,007,593	2,775,432	12.61000	169	169
5							
6	445	Other Sales to Public Authorities:					
7		Federal	22,417,962	2,410,787	10.75000	5	5
8		State	12,908,288	1,699,427	13.17000	77	77
9							
10	449	Miscellaneous Sales					
11		Rate Stabilization		(900,003)			
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			454,426,108	58,511,661	12.88000	26,261	26,278

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

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

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering		
5	501 Fuel		
6	502 Steam Expenses		
7	503 Steam from other sources		
8	504 Steam transferred -- Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	Total Operation	-	-
13	Maintenance:		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of Structures		
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	Total Maintenance	-	-
20	Total power production expenses -steam power	-	-
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam 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	-	-
33	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of Structures		
36	530 Maintenance of reactor plant		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	Total Maintenance	-	-
40	Total power production expenses -nuclear power	-	-
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses	217,060	(127,704)
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	Total Operation	217,060	(127,704)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering		
4	542 Maintenance of structures		
5	543 Maintenance or reservoirs, dams and waterways		
6	544 Maintenance of electric plant		
7	545 Maintenance of miscellaneous hydraulic plant		
8	Total maintenance	-	-
9	Total power production expenses - hydraulic power	217,060	(127,704)
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering		
13	547 Fuel	15,144	(118,690)
14	548 Generation Expenses	-	-
15	549 Miscellaneous other power generation expense		
16	550 Rents		
17	Total Operation	15,144	(118,690)
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21	553 Maintenance of generating and electric plant	25,722	(16,142)
22	554 Maintenance of miscellaneous other power generation plant		
23	Total Maintenance	25,722	(16,142)
24	Total power production expenses - other power	40,866	(134,832)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	34,403,679	(2,306,314)
27	556 System control and load dispatching		
28	557 Other expenses	489,377	(70,095)
29	Total other power supply expenses	34,893,055	(2,376,409)
30	Total power production expenses	35,150,981	(2,638,945)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	23,348	3,084
34	561 Load dispatching		
35	562 Station expenses		
36	563 Overhead line expenses		
37	564 Underground line expenses		
38	565 Transmission of electricity by others	9,386,374	(760,195)
39	566 Miscellaneous transmission expenses		
40	567 Rents		
41	Total Operation	9,409,723	(757,110)
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures	8,430	296
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines	1,374	28
47	572 Maintenance of underground lines		
48	573 Maintenance of miscellaneous transmission plant		
48	574 Maintenance of transmission plant	22,456	15,964
49	Total maintenance	32,260	16,288
50	Total transmission expenses	9,441,983	(740,822)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	448,759	1,019
4	581 Load dispatching (Operation Labor)		
5	582 Station expenses	387,970	38,640
6	583 Overhead line expenses	615,049	104,951
7	584 Underground line expenses	9,232	(14,621)
8	585 Street lighting and signal system expenses	23,423	(11,331)
9	586 Meter expenses	249,085	32,233
10	587 Customer installations expenses	169,114	25,379
11	588 Miscellaneous distribution expenses	198,607	27,666
12	589 Rents	400	200
13	Total operation	2,101,640	204,136
14	Maintenance:		
15	590 Maintenance supervision and engineering		
16	591 Maintenance of structures	6,601	-
17	592 Maintenance of station equipment	221,455	36,630
18	593 Maintenance of overhead lines	718,235	16,650
19	594 Maintenance of underground lines	43,535	15,534
20	595 Maintenance of line transformers	5,775	(5,222)
21	596 Maintenance of street lighting and signal systems	1,275	21
22	597 Maintenance of meters	4,526	990
23	598 Maintenance of miscellaneous distribution plant		
24	Total maintenance	1,001,402	64,603
25	Total distribution expenses	3,103,041	268,739
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision		
29	902 Meter reading expenses	127,985	(2,304)
30	903 Customer records and collection expenses	1,693,190	131,668
31	904 Uncollectible accounts	179,519	(11,419)
32	905 Miscellaneous customer accounts expenses		
	908 Customer assistance expenses	521,302	59,512
	909 Informational/Instruct expenses	21,093	(966)
33	Total customer accounts expenses	2,543,088	176,491
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision		
37	912 Demonstrating and selling expenses		
38	913 Advertising expenses		
39	916 Miscellaneous sales expenses		
40	Total sales expenses	-	-
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	675,136	17,759
44	921 Office supplies and expenses	188,412	11,043
45	922 Administrative expenses transferred - Cr		
46	923 Outside services employed	123,449	41,347
47	924 Property insurance	69,200	2,460
48	925 Injuries and damages	408,955	164,966
49	926 Employee pensions and benefits	3,923,835	796,735
50	928 Regulatory commission expenses		-
51	929 Store Expense		
52	930 Miscellaneous general expenses	176,992	(41,594)
53	931 Rents	-	(597)
54	Total operation	5,565,980	992,119

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.	5,565,980	992,119
2	Maintenance:		
3	935 Maintenance of general plant	477,667	150,727
4	933 Maintenance of transportation equipment	339,685	18,681
5	Total Maintenance	817,353	169,408
6	Total administrative and general expenses	6,383,333	1,161,527
7	Total Electric Operation and Maintenance Expenses	56,622,426	(1,773,010)

SUMMARY OF ELECTRIC 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	217,060		217,060
13	Other Power	15,144	25,722	40,866
14	Other Power Supply Expenses	34,893,055		34,893,055
15	Total power production expenses	35,125,259	25,722	35,150,981
16	Transmission Expenses	9,409,723	32,260	9,441,983
17	Distribution Expenses	2,101,640	1,001,402	3,103,041
18	Customer Accounts Expenses	2,543,088		2,543,088
19	Sales Expenses	-		-
20	Administrative and General Expenses	5,565,980	817,353	6,383,333
21	Power Production Expenses	19,620,430	1,851,014	21,471,444
22	Total Electric Operation & Maintenance Expenses	54,745,689	1,876,737	56,622,426

23 Ratio of operating expenses to operating revenues 100.53%
 (carry out decimal two places, (e.g.. 0.00%)
 Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)

24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. 5,903,703

25 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees) 71

TAXES CHARGED DURING THE YEAR

- | | | |
|---|---|--|
| <p>1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.</p> <p>2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts</p> | <p>3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.</p> <p>4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.</p> | <p>5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.</p> <p>6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.</p> |
|---|---|--|

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1	N/A								
2									
3									
4									
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25									
26									
27									
28	TOTALS	-	-						

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 Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3	N/A				
4					
5					
6					
7					
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48					
49					
50					
51	TOTALS				

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

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,	487,974			487,974
3	allowances and returns				
4	Contract work				
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	487,974			487,974
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs	97,641			97,641
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
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41					
42					
43					
44					
45					
46					
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48					
49					
50	TOTAL COSTS AND EXPENSES	97,641			97,641
51	Net Profit (or loss)	390,332			390,332

SALES FOR RESALE (Account 447) - Continued

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

integrated).

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
						0.00		1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
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								29
								30
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								32
								33
								34
								35
								36
	TOTALS:	0	0.00	0.00	0	0		37

**PURCHASED POWER (Account 555)
(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)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) *	Total (o)		
60 Minute	13.8 KV	24,989,084	165,194	124,270		289,464	1.1584	1
								2
60 Minute	13.8 KV	41,235,474		1,896,117		1,896,117	4.5983	3
								4
60 Minute	13.8 KV	4,064,555		248,496		248,496	6.1137	5
								6
60 Minute	13.8 KV	4,843,188		278,557		278,557	5.7515	7
								8
60 Minute	13.8 KV	3,172,495		200,717		200,717	6.3268	9
								10
60 Minute	13.8 KV	2,529,496		160,325		160,325	6.3382	11
								12
60 Minute	13.8 KV	1,097,926	262,454	191,169		453,623	41.3164	13
								14
60 Minute	13.8 KV	8,908,890		457,472		457,472	5.1350	15
								16
60 Minute	13.8 KV	17,243,510	0	932,545		932,545	5.4081	17
								18
60 Minute	13.8 KV	2,630,006		138,425		138,425	5.2633	19
								20
60 Minute	13.8 KV	4,975,967		249,490		249,490	5.0139	21
								22
60 Minute	13.8 KV	252,552,000	3,320,337	13,804,957		17,125,294	6.7809	23
								24
60 Minute	13.8 KV	690,315	247,425	0		247,425	35.8423	25
								26
60 Minute	13.8 KV	94,888		5,468		5,468	5.7626	27
								28
								29
								30
								31
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								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	369,027,794.0	3,995,410	18,688,008	0	22,683,418	6.1468	42

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements. 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.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	ISO NE		Chicopee, MA	13.8 KV	98,120,063	(2,068,512)	96,051,551	\$ 11,720,261
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				98,120,063	(2,068,512)	96,051,551	11,720,261

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NE	Energy Received from ISO NE	12,057,816
14		Energy Delivered to ISO NE	(337,555)
15			
16			
17			
18			
19			
20			
21	TOTAL		11,720,261

ELECTRIC ENERGY ACCOUNT			
Report below the information called for concerning the disposition of electric energy generated, purchased and interchanged for the year.			
Line No.	Item (a)		Kilowatt-hours (b)
1	SOURCES OF ENERGY		
2	Generation		
3	Steam		
4	Nuclear		
5	Hydro		5,094,622
6	Other		89,905
7	Total Generation		5,184,527
8	Purchases		369,027,794
9		(In (gross)	98,120,063
10	Interchanges	< Out (gross)	(2,068,512)
11		(Net (Kwh)	
12		(Received	0
13	Transmission for/by others (wheeling)	< Delivered	0
14		(Net (Kwh)	
15	TOTAL		470,263,872
16	DISPOSITION OF ENERGY		
17	Sales to ultimate consumers (including interdepartmental sales)		454,426,108
18	Sales for resale		
19	Energy furnished without charge		
20	Energy used by the company (excluding station use):		
21	Electric department only		1,205,084
22	Energy losses		
23	Transmission and conversion losses		8,073,670
24	Distribution losses		6,559,010
25	Unaccounted for losses		
26	Total energy losses		14,632,680
27	Energy losses as percent of total on line 15	3.11%	
28	TOTAL		470,263,872

MONTHLY PEAKS AND OUTPUT

- 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.
- Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- 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.
- If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Annual Report of The City of Chicopee

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January.....	88,648	Mon.	21	6:00 PM	Watt Meter	46,364,053
30	February.....	80,113	Fri.	1	8:00 AM	Watt Meter	40,454,473
31	March.....	74,380	Wed.	6	7:00 PM	Watt Meter	40,824,660
32	April.....	61,748	Tues.	2	8:00 AM	Watt Meter	33,832,565
33	May.....	60,276	Mon.	20	6:00 PM	Watt Meter	33,044,185
34	June.....	80,195	Fri.	28	3:00 PM	Watt Meter	36,827,424
35	July.....	96,458	Tues.	30	5:00 PM	Watt Meter	47,555,488
36	August.....	90,543	Mon.	19	2:00 PM	Watt Meter	43,132,732
37	September.....	75,616	Mon.	23	3:00 PM	Watt Meter	34,126,597
38	October.....	61,490	Wed.	2	3:00 PM	Watt Meter	33,335,860
39	November.....	70,932	Wed.	13	6:00 PM	Watt Meter	37,749,289
40	December.....	79,621	Thurs.	19	7:00 PM	Watt Meter	43,016,546
41		60 Minutes Integrated Peak				TOTAL	470,263,872

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 approx. avg no of employees assignable to each station.

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

7. Quantities of fuel consumed & the avg cost per unit of fuel consumed should be consistent with chgs to expense accts 501 &

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam,hydro,int.comb.,gas turbine)	DIESEL	HYDRO	
2	Type of plant construction (conventional,outdoor boiler,full outdoor, etc.)	Outdoor Encl.	Full Outdoor	
3	Year originally constructed	1978	1983	
4	Year last unit was installed	1978	1983	
5	Total installed capacity (maximum generator name plate ratings in kw)	8,250 KW	2,500 KW	
6	Net peak demand on plant-kilowatts (60 min.)	8,250 KW	2,007 KW	
7	Plant hours connected to load			
8	Net continuous plant capability,kilowatts:			
9	(a) When not limited by condenser water	N/A	N/A	
10	(b) When limited by condenser water	N/A	N/A	
11	Average number of employees	1	0	
12	Net generation, exclusive of station use	89,905	5,094,622	
13	Cost of plant (omit cents):			
14	Land and land rights		371,362	
15	Structures and improvements	667,139		
16	Reservoirs, dams, and waterways		2,316,696	
17	Equipment costs	2,353,192		
18	Roads, railroads, and bridges			
19	Total cost	3,020,331	2,688,057	
20	Cost per kw of installed capacity	366	1,292	
21	Production expenses:			
22	Operation supervision and engineering			
23	Station labor			
24	Fuel	15,144		
25	Supplies and expenses, including water	-	217,060	
26	Maintenance	25,722		
27	Rents			
28	Steam from other sources			
29	Steam transfered- Credit			
30	Total production expenses p.40 line 24	40,866	217,060	
31	Expenses per net Kwh (5 places)	0.45455	0.04261	
32	Fuel: Kind	No. 2 Diesel	Water	
33	Unit:(Coal-tons of 2,000 lb.)(Oil-barrels of 42 gals.)(Gas-M cu.ft.)(Nuclear,indicate)	BBLS		
34	Quantity (units) of fuel consumed	158		
35	Average heat content of fuel (BTU per lb.of coal, per gal.of oil, or per cu.ft. of gas)	139,000	BTU Per Gal	
36	Average cost of fuel per unit, del. f.o.b. plant	1.9995	Per Gal	
37	Average cost of fuel per unit consumed	2.2783	Per Gal	
38	Average cost of fuel consumed per million BTU	16.3905	Per MMBTU	
39	Average cost of fuel consumed per kwh net gen	0.1684	Per Kwh	
40	Average BTU per kwh net generation	10,277	BTU per Kwh	

GENERATING STATION STATISTICS (Large Stations)--Concluded

(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 operation 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.
						1
						2
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STEAM GENERATING STATIONS							
Line No.	Name of Station (a)	Location of Station (b)	Boiler				
			Num. & Yr. Installed (c)	Kind of Fuel & Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temp. (f)	Rated Max. Cont. M lbs. Steam/Hr (g)
1	NONE						
2							
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STEAM GENERATING STATIONS - Cont.

Line No.	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 Max Name Plate Rating (r)
					At min. Hydro Prs (l)	At max. Hydro Prs (m)	Min. (n)	Max. (o)			
1	NONE										
2											
3											
4											
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					TOTALS:						

HYDROELECTRIC GENERATING STATIONS							
Line No.	Name of Station (a)	Location of Station (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit (e)	Year Install (f)	Gross Static Head with Pond Full (g)
1	Chicopee Hydro	Bridge St.	Chicopee River	Unattended			
2	UNIT #1				Horizontal Kaplan	1983	26.25'
3	UNIT #2				Horizontal Kaplan	1983	26.25'
4							
5							
6							
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28							

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

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

property is leased from another company, give name of lessor, date & term of lease, & 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-

			PRIME MOVERS				
Line No.	Name of Station (a)	Location of Station (b)	Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	Front St.	Chicopee, MA	Diesel	General Motors	1978	2	Direct
2	Chicopee Hydro	Chicopee, MA	Hydro	ESAC	1983		Direct
3							
4							
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TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Fairmont 1638 Line at NU Structure 3079A (@ Ingham St.)	CMLP Memorial 7P Sub	115 kV	Embedded Wood Poles and Steel Poles on Foundations	0.7		1	1590 ACSS
2	Piper 1904 Line at NU Structure 3078A (@ Ingham St.)	CMLP Memorial 7P Sub	115 kV	Embedded Wood Poles and Steel Poles on Foundations	0.7		1	1590 ACSS
3								
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45								
46								
47	TOTALS				1.4	0	2	

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

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve but one industrial or street railway customer should not be listed hereunder.

3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.

5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	No. of Xmrs In Serv (g)	No. of Spare Xmrs (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equip (i)	Number of Units (j)	Total Capacity (k)
1	Chicopee Sub #1	Gen. - Attended	4.16kV	13.8kV		9,375	1	0			
2											
3	Chicopee Sub 18L	Dist. - Unattended	115kV	13.8kV		150,000	3	0			
4											
5	Memorial 7P	Dist. - Unattended	115kV	13.8kV		120,000	2	0			
6											
7	Chicopee Hydro	Gen. - Unattended	4.16kV	13.8kV		2,500	1	0			
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32			TOTALS			281,875	7	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	219.00	0.00	219.00
2	Added During Year	0.89		0.89
3	Retired During Year	0.30		0.30
4	Miles -- End of Year	219.59	0.00	219.59
5				
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10				
11				
12				
13				
14				
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-Hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	16,315	28,814	2,981	297,202.0
17	Additions during year	26			
18	Purchased	*****	10,410	18	3,250.0
19	Installed	0		*****	*****
20	Associated with utility plant acquired			0	0.0
21	Total Additions	26	10,410	18	3,250.0
22	Reductions during year:				
23	Retirements	11	2,888	25	3,565.0
24	Associated with utility plant sold			0	0.0
25	Total Reductions	11	2,888	25	3,565.0
26	Number at end of year	16,330	36,336	2,974	296,887.0
27	In stock		9,035		
28	Locked meters on customers' premises		115		
29	Inactive transformers on system				
30	In customers' use		27,165		
31	In company's use		21	2,974	296,887.0
32	Number at end of year		36,336	2,974	296,887.0

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

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

Line No.	Designation of Underground System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage PRIMARY (d)	Feet * (e)	Operating Voltage SECONDARY (f)
1	1 Conduit Bank	51.335				
2	2 Conduit Bank	15.655				
3	3 Conduit Bank	4.162				
4	4 Conduit Bank	9.115				
5	5 Conduit Bank	0.316				
6	6 Conduit Bank	8.000				
7	7 Conduit Bank	0.019				
8	8 Conduit Bank	1.447				
9	9 Conduit Bank	6.236				
10	10 Conduit Bank	0.770				
11	11 Conduit Bank	0.293				
12	12 Conduit Bank	4.297				
13	13 Conduit Bank	0.016				
14	15 Conduit Bank	0.112				
15	16 Conduit Bank	0.800				
16	20 Conduit Bank	0.734				
17						
18						
19						
20	Manholes: Previous Total	869				
21						
22	Adjustment in 2019	2				
23						
24	Total Manholes	871				
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44	TOTALS	103.307				

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		Underground Cable	
			Miles* (c)	Op. Voltage PRIMARY (d)	Miles* (e)	Op. Voltage SECONDARY (f)
1	800 MCM 1/C Cable	NOTE 3	0.284	NOTE 1		NOTE 2
2	750 MCM 1/C Cable		0.068	4.16 kV		
3	750 MCM 1/C Cable		3.040			
4	500 MCM 3/C Cable		1.731			
5	500 MCM 1/C Cable		38.195		11.208	
6	350 MCM 4/C Cable				1.250	
7	350 MCM 3/C Cable		2.927		0.659	
8	350 MCM 1/C Cable		12.472		12.295	
9	4/0 3/C Cable		0.147		3.852	
10	4/0 1/C Cable		28.013		36.164	
11	1/0 3/C Cable				5.710	
12	1/0 1/C Cable		6.520		31.363	
13	2 1/C Cable		99.610		25.445	
14	4 1/C Cable		1.358		13.696	
15	6 1/C Cable		5.032		52.568	
16	8 1/C Cable				0.347	
17	14 1/C & 12 2/C Cable				2.854	
18	4/0, 1/0, 2, 4, 6, 8 Bare				55.369	
19	#4/0 1/C Street Light Cable				0.263	
20	#2/0 1/C Street Light Cable				0.120	
21	#1/0 1/C Street Light Cable				2.196	
22	#2 1/C Street Light Cable				2.157	
23	#4 1/C Street Light Cable				14.241	
24	#6 2/C Street Light Cable				0.496	
25	#6 1/C Street Light Cable				1.081	
26	#8 1/C Street Light Cable				6.552	
27	#10 1/C Street Light Cable				1.220	
28	#12 1/C Street Light Cable				7.383	
29						
30	NOTE 1 - Unless otherwise noted - 4.8 kV or 13.8 kV					
31	NOTE 2 - Unless otherwise noted - 600V or less					
32	NOTE 3 - See Page 70 for Conduit information					
33						
34	TOTALS		199.397		288.489	

* Indicate number of conductors per cable.

MUNICIPAL and SECURITY LAMPS CONNECTED TO DISTRIBUTION SYSTEM

Line No.	Rated Lamp Wattage (Watts)	Actual Line Wattage (Watts)	Lumens EA	TYPES							
				Incandescent		LED		High Pressure Sodium		Metal Halide	
				Municipal (c)	Security (d)	Municipal (e)	Security (f)	Municipal (g)	Security (h)	Municipal (i)	Security (j)
1	Incandescent										
2	67	67	635	0	0						
3	115	115	1270	0	0						
4	150	150	1730	0	0						
5	LED										
6	48	48	5571			1,870	14				
7	49	49	4865			1,318	39				
8	58	58	2664			204	0				
9	116	116	4188			2	0				
10	129	129	13754			621	42				
11	140	140	12852			73					
12	143	143	13891			546	13				
	150	150	13500			10					
13	177	177	18277			40					
14	215	215	18570			138					
15	High Pressure Sodium										
16	100	130	8550					0	342		
17	150	190	13500					0	0		
18	250	295	24750					0	507		
19	400	465	44000					32	149		
20	Metal Halide										
21	100	125	6500							0	0
22	250	294	14000							0	72
23	320	366	20500							0	110
24	400	465	22500							0	60
25	1000	1090	82000							0	13
26	LED Flood Lights										
27	LED Flood Lights										
28	96	96	15000			1					
29	146	146	20200			12	3				
30	196	196	25900				33				
31	297	297	38700			2					
37											
38	Total Municipal & Security Lamps =					6,256					
39	Total Line Wattage (watts) =					772,363					
40	Total Municipal & Security Lumens =					69,115,758					
41											
42											
43											
44											
45											
46											
47											
48	TOTALS			0	0	4,837	144	32	998	0	255

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 revenues predicted on the previous year's operations.

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
SEE ATTACHED				

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor

Manager of Electric Light

Selectmen
or
Members
of the
Municipal
Light
Board

Jeffrey R. Casey

[Signature]

[Signature]

Carl Sitter

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

SS

20

Then personally appeared

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

Notary Public or
Justice of the Peace

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M.D.P.U. No. 95

Cancels M.D.P.U. No. 87

Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Industrial Service

Designation	IS																																		
Available	In Chicopee, Massachusetts																																		
Applicable	To any manufacturing customer having a consistent demand of 1000 kW or more for all purposes.																																		
Character of Service	AC; 60 cycles; three phase. Voltage as available.																																		
Rate	<table><tr><td><u>Delivery Services</u></td><td>Customer Charge</td><td>\$135.00/Month</td></tr><tr><td></td><td><i>Energy Charge</i> Distribution On-Peak</td><td>1.54¢ / kWh</td></tr><tr><td></td><td><i>Energy Charge</i> Distribution Off-Peak</td><td>1.36¢ / kWh</td></tr><tr><td></td><td><i>Energy Charge</i> Transmission On-Pk</td><td>0.9¢ / kWh</td></tr><tr><td></td><td><i>Energy Charge</i> Transmission Off-Pk</td><td>0.9¢ / kWh</td></tr><tr><td></td><td><i>Demand Charges</i> Distribution</td><td>\$2.15 / kVA</td></tr><tr><td></td><td></td><td>Transmission</td><td>\$4.37 / kVA</td></tr><tr><td></td><td><u>Supply Services</u></td><td>Generation Charge On-Peak</td><td>7.30¢ / kWh</td></tr><tr><td></td><td></td><td>Generation Charge Off-Peak</td><td>5.65¢ / kWh</td></tr><tr><td></td><td></td><td>Purchase Power Adjustment</td><td>per kWh</td></tr></table>	<u>Delivery Services</u>	Customer Charge	\$135.00/Month		<i>Energy Charge</i> Distribution On-Peak	1.54¢ / kWh		<i>Energy Charge</i> Distribution Off-Peak	1.36¢ / kWh		<i>Energy Charge</i> Transmission On-Pk	0.9¢ / kWh		<i>Energy Charge</i> Transmission Off-Pk	0.9¢ / kWh		<i>Demand Charges</i> Distribution	\$2.15 / kVA			Transmission	\$4.37 / kVA		<u>Supply Services</u>	Generation Charge On-Peak	7.30¢ / kWh			Generation Charge Off-Peak	5.65¢ / kWh			Purchase Power Adjustment	per kWh
<u>Delivery Services</u>	Customer Charge	\$135.00/Month																																	
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		Generation Charge Off-Peak	5.65¢ / kWh																																
		Purchase Power Adjustment	per kWh																																
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.																																		
Primary Service Discount	A discount of 4% of the monthly bill will be allowed for customer owning high voltage equipment and taking energy with a demand of 100 kW or more.																																		
Determination of Billing Demand	The billing demand shall be the highest metered 30-minute kW demand during the month.																																		
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.																																		
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.																																		
Filed	April 14, 2017																																		

CITY OF CHICOPEE MUNICIPAL LIGHTING PLANT
725 Front Street
Chicopee, Massachusetts 01020
(413) 598-8311
<http://www.celd.com>

M.D.P.U. No. 96

Cancels M.D.P.U No. 88

Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Large General Service

Designation	LGS																					
Available	In Chicopee, Massachusetts																					
Applicable	To any commercial customer having a consistent demand of 300 kW or more for all purposes.																					
Character of Service	AC; 60 cycles; three phase. Voltage as available.																					
Rate	<table><tr><td><u>Delivery Services</u></td><td>Customer Charge</td><td>\$135.00/Month</td></tr><tr><td></td><td><i>Energy Charge</i></td><td>Distribution 1.54¢ / kWh</td></tr><tr><td></td><td><i>Energy Charge</i></td><td>Transmission 0.9¢ / kWh</td></tr><tr><td></td><td><i>Demand Charges</i></td><td>Distribution \$2.15 / kVA</td></tr><tr><td></td><td></td><td>Transmission \$4.37 / kVA</td></tr><tr><td><u>Supply Services</u></td><td>Generation Charge</td><td>7.30¢ / kWh</td></tr><tr><td></td><td>Purchase Power Adjustment</td><td>per kWh</td></tr></table>	<u>Delivery Services</u>	Customer Charge	\$135.00/Month		<i>Energy Charge</i>	Distribution 1.54¢ / kWh		<i>Energy Charge</i>	Transmission 0.9¢ / kWh		<i>Demand Charges</i>	Distribution \$2.15 / kVA			Transmission \$4.37 / kVA	<u>Supply Services</u>	Generation Charge	7.30¢ / kWh		Purchase Power Adjustment	per kWh
<u>Delivery Services</u>	Customer Charge	\$135.00/Month																				
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	<i>Demand Charges</i>	Distribution \$2.15 / kVA																				
		Transmission \$4.37 / kVA																				
<u>Supply Services</u>	Generation Charge	7.30¢ / kWh																				
	Purchase Power Adjustment	per kWh																				
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.																					
Primary Service Discount	A discount of 4% of the monthly bill will be allowed for customer owning high voltage equipment and taking energy with a demand of 100 kW or more.																					
Determination of Billing Demand	The billing demand shall be the highest metered 30-minute kW demand during the month.																					
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.																					
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.																					
Filed	April 14, 2017																					

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Chicopee, Massachusetts 01020
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<http://www.celd.com>

M.D.P.U. No. 97
Cancels M.D.P.U No. 89
Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Large General Service - Off Peak Heating and Water Heating Service

Designation	LGSO		
Available	In Chicopee, Massachusetts		
Applicable	To any commercial customer having a water heater of a type approved by the Plant for off peak storage water heating and during the hours specified by the Plant. Where the customer also has all-electric heating, this rate schedule applies to the entire electric consumption of such customer during the specified off peak hours.		
Character of Service	AC; 60 cycles; phase and voltage as available.		
Rate	<u>Delivery Services</u>	Customer Charge	\$4.00 / Month
		Distribution Charge	1.36¢ / kWh
		Transmission Charge	0.9¢ / kWh
	<u>Supply Services</u>	Generation Charge	6.30¢ / kWh
		Purchase Power Adjustment	per kWh
Minimum Bill	\$4.00 / Month.		
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.		
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.		
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.		
Filed	April 14, 2017		

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(413) 598-8311
<http://www.celd.com>

M.D.P.U. No. 98

Cancels M.D.P.U. No. 90

Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Small General Service

Designation	SGS		
Available	In Chicopee, Massachusetts		
Applicable	To any commercial customer having a consistent demand less than 300 kW for all purposes.		
Character of Service	AC; 60 cycles; phase and voltage as available.		
Rate	<u>Delivery Services</u>	Customer Charge	\$10.00 / Month
		Distribution Charge	3.470¢ / kWh
		Transmission Charge	2.308¢ / kWh
	<u>Supply Services</u>	Generation Charge	7.30¢ / kWh
		Purchase Power Adjustment	per kWh
Minimum Bill	For customers having a load consisting of lighting and motors up to 1/2 horsepower, the minimum bill shall be \$10.00. For customers with motors aggregating more than 1/2 horsepower, the minimum bill shall be \$10.00 plus \$1.00 per kVA for transformer capacity installed.		
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.		
Primary Service Discount	A discount of 4% of the monthly bill will be allowed for customer owning high voltage equipment and taking energy with a demand of 100 kW or more.		
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.		
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.		
Filed	April 14, 2017		

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(413) 598-8311
<http://www.celd.com>

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Small General Service - Off Peak Heating and Water Heating Service

Designation	SGSO															
Available	In Chicopee, Massachusetts															
Applicable	To any commercial customer having a water heater of a type approved by the Plant for off peak storage water heating and during the hours specified by the Plant. Where the customer also has all-electric heating, this rate schedule applies to the entire electric consumption of such customer during the specified off peak hours.															
Character of Service	AC; 60 cycles; phase and voltage as available.															
Rate	<table><tr><td><u>Delivery Services</u></td><td>Customer Charge</td><td>\$4.00 / Month</td></tr><tr><td></td><td>Distribution Charge</td><td>1.93¢ / kWh</td></tr><tr><td></td><td>Transmission Charge</td><td>1.354¢ / kWh</td></tr><tr><td><u>Supply Services</u></td><td>Generation Charge</td><td>7.00¢ / kWh</td></tr><tr><td></td><td>Purchase Power Adjustment</td><td>per kWh</td></tr></table>	<u>Delivery Services</u>	Customer Charge	\$4.00 / Month		Distribution Charge	1.93¢ / kWh		Transmission Charge	1.354¢ / kWh	<u>Supply Services</u>	Generation Charge	7.00¢ / kWh		Purchase Power Adjustment	per kWh
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Chicopee, Massachusetts 01020
(413) 598-8311
<http://www.celd.com>

M.D.P.U. No. 100
Cancels M.D.P.U No. 92
Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Residential Service

Designation	R																		
Available	In Chicopee, Massachusetts																		
Applicable	To residential customers for all domestic uses in individual residences or apartments.																		
Character of Service	AC; 60 cycles; single phase; voltage as available.																		
Rate	<table><tr><td><u>Delivery Services</u></td><td>Customer Charge</td><td>\$5.60 / Month</td></tr><tr><td></td><td>Distribution Charge</td><td>2.97¢ / kWh</td></tr><tr><td></td><td>Transmission Charge</td><td>2.308¢ / kWh</td></tr><tr><td><u>Supply Services</u></td><td>Generation Charge</td><td>7.30¢ / kWh</td></tr><tr><td></td><td>Purchase Power Adjustment</td><td>per kWh</td></tr><tr><td></td><td>Hydro Credit</td><td>per kWh</td></tr></table>	<u>Delivery Services</u>	Customer Charge	\$5.60 / Month		Distribution Charge	2.97¢ / kWh		Transmission Charge	2.308¢ / kWh	<u>Supply Services</u>	Generation Charge	7.30¢ / kWh		Purchase Power Adjustment	per kWh		Hydro Credit	per kWh
<u>Delivery Services</u>	Customer Charge	\$5.60 / Month																	
	Distribution Charge	2.97¢ / kWh																	
	Transmission Charge	2.308¢ / kWh																	
<u>Supply Services</u>	Generation Charge	7.30¢ / kWh																	
	Purchase Power Adjustment	per kWh																	
	Hydro Credit	per kWh																	
Minimum Bill	\$5.60 / Month.																		
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.																		
Hydro Credit	Hydro Credit savings are passed on to all residential customers as a benefit from the Niagara Hydro Project. Hydro Credit applied to all kWh's.																		
Payment	Bills are due when rendered.																		
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.																		
Filed	April 14, 2017																		

CITY OF CHICOPEE MUNICIPAL LIGHTING PLANT
725 Front Street
Chicopee, Massachusetts 01020
(413) 598-8311
<http://www.celd.com>

M.D.P.U. No. 101

Cancels M.D.P.U No. 93

Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Residential Off Peak Heating and Water Heating Service

Designation	RO		
Available	In Chicopee, Massachusetts		
Applicable	To any residential customer having a water heater of a type approved by the Plant for off peak storage water heating and during the hours specified by the Plant. Where the customer also has all electric heating, this rate schedule applies to the entire electric consumption of such customer during the specified off peak hours.		
Character of Service	AC; 60 cycles; single phase, or three phase; voltage as available.		
Rate	<u>Delivery Services</u>	Customer Charge	\$2.00 / Month
		Distribution Charge	1.82¢ / kWh
		Transmission Charge	1.473¢ / kWh
	<u>Supply Services</u>	Generation Charge	7.00¢ / kWh
		Purchase Power Adjustment	per kWh
		Hydro Credit	per kWh
Minimum Bill	\$2.00 / Month.		
Purchase Power Adjustment	There shall be an adjustment in rate for all kWh's consumed due to the cost of purchased power as provided in the "Purchased Power Adjustment Clause" in effect at the time of billing.		
Hydro Credit	Hydro Credit savings are passed on to all residential customers as a benefit from the Niagara Hydro Project. Hydro Credit applied to all kWh's.		
Service Conditions	All water heaters and incidental apparatus should be of a type and size which meet the approval of the Plant as specified in the General Terms and Conditions. The installation of water heaters shall be arranged so that only the upper element can operate during the on peak hours and only the lower element can operate during the designated off peak hours. Energy used by the lower element during the designated off peak hours shall be metered separately and billed hereunder. For all electric heating customers, the rate schedule shall be applicable to the total energy consumption during the designated off peak hours. Off peak energy consumption shall be metered separately.		
Payment	Bills are due when rendered.		
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.		
Filed	April 14, 2017		

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M.D.P.U. No. 103

Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Street Light Schedule Rate

Designation	Street Light Rate
Available	In Chicopee, Massachusetts
Applicable	Public street light service supplied to the City where the Department has private facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole.
Energy Charge	10.35¢ per kWh
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate schedule.
Filed	April 14, 2017

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Chicopee, Massachusetts 01020
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Effective Billing: May 1, 2017

CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Generation Wheeling Rate

Designation	WH
Available	In Chicopee, Massachusetts
Applicable	To any generator utilizing Chicopee's distribution or transmission system to provide power to customers located outside of Chicopee's service area.
Rate	Contracted Capacity \$6.00 kWh/Month
Payment	Bills are due when rendered. Payment must be made within twenty-five (25) days. Thereafter, 1.5% per month interest will be added to unpaid balance. Public accounts subject to Sec. 94D of C. 164 MGL.
General Terms and Conditions	The customer shall contract with Chicopee for a minimum of 3 years for specified capacity. Any unsubscribed capacity above that granted to the customer will be billed at 12 times the current wheeling rate. If a customer wishes to increase the contracted capacity amount it shall give 6-month notice to CMLP. CMLP may at its own discretion accept or reject the increased capacity amount. The customer is responsible for all costs to interconnect to CMLP and is responsible for all ISO-NE related costs and requirements. CMLP can in its sole discretion reject any requests for service.
Filed	April 14, 2017

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M.D.P.U. No. 105

Cancels M.D.P.U. No. 102

Effective Billing: January 4, 2019

CITY OF CHICOPEE, MASSACHUSETTS

Municipal Lighting Plant

Purchase Power Adjustment Clause

Designation	PPA
Available	In Chicopee, Massachusetts
Applicable	As defined in each of the individual rate schedules filed with Mass. DPU for the City of Chicopee Municipal Lighting Plant.
Definition	<p>Average Purchased Power Costs (Adjusted for Rate Stabilization) - 8.530¢/kWh (Purchased Power Base Cost)</p> <p>The difference between the average Purchased Power Cost and the Purchased Power Base Cost as defined herein. The resulting charge or credit will be billed on a per kilowatt-hour basis as applicable</p>
Base Cost	8.530¢/kWh
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this adjustment clause.
Filed	December 21, 2018

EXTRACTS FROM CHAPTER 164 OF THE GENERAL LAWS AS AMENDED

SECTION 56. The Mayor of a city, or the selectmen or municipal light board, if any, of a town acquiring a gas or electric plant shall appoint a manager of municipal lighting who shall, under the direction and control of the mayor, selectmen or municipal light board, if any, and subject to this chapter, have full charge of the operation and management of the plant, the manufacture and distribution of gas or electricity, the purchase of supplies, the employment of agents and servants, the method, time, price, quantity and quality of the supply, the collection of bills, and the keeping of accounts, His compensation and term of office shall be fixed in cities by the city council and in towns by the selectmen or municipal light board, if any; and, before entering upon the performance of his official duties, he shall give bond to the city or town for the faithful performance thereof in a sum and form and with sureties to the satisfaction of the mayor, selectmen or municipal light board, if any, and shall at the end of each municipal year, render to them such detailed statement of his doings and of the business and financial matters in his charge as the department may prescribe. All moneys payable to or received by the city, town, manager or municipal light board in connection with the operation of the plant, for the sale of gas or electricity or otherwise, shall be paid to the city or town treasurer. All accounts rendered to or kept in the gas or electric plant of any city shall be subject to the inspection of the city auditor or officer having similar duties, and in towns they shall be subject to the inspection of the selectmen. The auditor or officer having similar duties, or the selectmen, may require any person presenting an account or claim against such plant to make oath before him or them, in such form as he or they may prescribe, as to the accuracy of such account or claim. The willful making of a false oath shall be punishable as perjury. The auditor or officer having similar duties in cities, and the selectmen in towns, shall approve the payment of all bills or payrolls of such plants before they are paid by the treasurer, and may disallow and refuse to approve for payment, in whole or in part, any claim as fraudulent, unlawful or excessive; and in that case the auditor or officer having duties, or the selectmen, shall file with the city or town treasurer a written statement of the reasons for the refusal; and the treasurer shall not pay any claim or bill so disallowed. This section shall not abridge the powers conferred on town accountants by sections fifty-five to sixty-one, inclusive, of chapter forty-one. The manager shall at any time, when required by the mayor, selectmen, municipal light board, if any, or department, make a statement to such officers of his doings, business, receipts, disbursements, balances, and of the indebtedness of the town in his department.

SECTION 57. At the beginning of each fiscal year, the manager of municipal lighting shall furnish to the mayor, selectmen or municipal light board, if any, an estimate of the income from sales of gas and electricity to private consumers during the ensuing fiscal year, and of the expense of the plant during said year, meaning the gross expenses of operation, maintenance and repair, the interest on the bonds, notes or certificates of indebtedness issued to pay for the plant, an amount for depreciation equal to three percent of the cost of the plant exclusive of land and any water power appurtenant thereto, or such smaller or larger amount as the department may approve, the requirements of the sinking fund or debt incurred for the plant, and the loss, if any, in the operation of the plant during the preceding year, and of the costs, as defined in Section 58, of the gas and electricity to be used by the town. The town shall include in its annual appropriations and in the tax levy not less than the estimated cost of the gas and electricity to be used by the town as above defined and estimated. By cost of the plant is intended the total amount expended on the plant to the beginning of the fiscal year for the purpose of establishing, purchasing, extending or enlarging the same. By loss in operation is intended the difference between the actual income from private consumers plus the appropriations for maintenance for the preceding fiscal year and the actual expense of the plant, reckoned as above, for that year in case such expenses exceeded the amount of such income and appropriation. The income from sales and the money appropriated as aforesaid shall be used to pay the annual expense of the plant, defined as above, for the fiscal year, except that no part of the sum therein included for depreciation shall be used for any other purpose than renewals in excess of ordinary repairs, extensions, reconstructions, enlargements and additions. The surplus, if any, of said annual allowances for depreciation after making the above payments shall be kept as a separate fund and used for renewals other than ordinary repairs, extensions, reconstructions, enlargements and additions in succeeding years; and no debt shall be incurred under section forty for any extension, reconstruction or enlargements of the plant in excess of the amount needed therefor in addition to the amount then on hand in said depreciation fund. Said depreciation fund shall be kept and managed by the town treasurer as a separate fund, subject to appropriation by the city council or selectmen or municipal light board, if any, for the foregoing purpose. So much of said fund as the department may from time to time approve may also be used to pay notes, bonds or certificates of indebtedness issued to pay for the cost of reconstruction or renewals in excess of ordinary repairs, when such notes, bonds or certificates of indebtedness become due. All appropriations for the plant shall be either for the annual expense defined as above, or for extensions, reconstruction, enlargements or additions; and no appropriation shall be used for any purpose other than that stated in the vote making the same. No bonds, notes or certificates of indebtedness shall be issued by a town for the annual expenses as defined in this section.

SECTION 63. A town manufacturing or selling gas or electricity for lighting shall keep records of its work and doings at its manufacturing station, and in respect to its distributing plant, as may be required by the department. It shall install and maintain apparatus, satisfactory to the department, for the measurement and recording of the output of gas and electricity, and shall sell the same by meter to private consumers when required by the department, and, if required by it, shall measure all gas or electricity consumed by the town. The books, accounts and return shall be made and kept in a form prescribed by the department, and the accounts shall be closed annually on the last day of the fiscal year of such town, and a balance sheet of the date shall be taken therefrom and included in the return to the department. The mayor, selectmen or municipal light board and manager shall, at any time, on request, submit said books and accounts to the inspection of the department and furnish any statement or information required by it relative to the condition, management and operation of said business. The department shall, in its annual report, describe the operation of the several municipal plants with such detail as may be necessary to disclose the financial condition and results of each plant; and shall state what towns, if any, operating a plant have failed to comply with this chapter, and what towns, if any, are selling gas or electricity with the approval of the department at less than cost. The mayor, or selectmen, or municipal light board, if any, shall annually, on or before such date as the department fixes, make a return to the department, for the preceding fiscal year, signed and sworn to by the mayor, or by a majority of the selectmen or municipal light board, if any, and by the manager, stating the financial condition of said business, the amount of authorized and existing indebtedness, a statement of income and expenses in such detail as the department may require, and a list of its salaried officers and the salary paid to each. The mayor, the selectmen or the municipal light board may direct any additional returns to be made at such time and in such detail as he or they may order. Any officer of a town manufacturing or selling gas or electricity for lighting who, being required by this section to make an annual return to the department, neglects to make such annual return shall, for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. Any such officer who unreasonably refuses or neglects to make such return shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the officer to amend it within fifteen days. Any such officer who neglects to amend said return within the time specified, when notified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by an information in equity brought in the supreme judicial court by the attorney general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

SECTION 69. The supreme judicial court for the county where the town is situated shall have jurisdiction on petition of the department or of twenty taxable inhabitants of the town to compel the fixing of prices by the town in compliance with sections fifty-seven and fifty-eight, to prevent any town from purchasing, operating or selling a gas or electric plant in violation of any provisions of this chapter, and generally to enforce compliance with the terms and provisions thereof relative to the manufacture or distribution of gas or electricity by a town.