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,

2020

Name of officer to whom correspondence should be addressed regarding this report: James M. Lisowski

Official title: General Manager

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

Form AC-19

TABLE OF CONTENTS

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.	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,	Began operation and distribution 1896
3.	Name and address of manager of municipal lighting:	James M. Lisowski 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 W. Rattell City Hall Market Square Chicopee, MA 01013
7.	Names and addresses of members of municipal light board:	Joseph F. Pasternak, III, Chairman Robert L. Pajak Carl E. Sittard
8.	Total valuation of estates in town (or city) according to last State valuation (taxable)	$4,262,239,423
9.	Tax rate for all purposes during the year:	$ 17.61/1000 Res. $34.86/1000 Comm.
10.	Amount of manager's salary:	$201,527
11.	Amount of manager's bond:	$10,000
12.	Amount of salary paid to members of municipal light board (each):	None

Annual Report of The City of Chicopee — Year Ended December 31, 2020

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	58,066,208.00
3	**TOTAL**	58,066,208.00
4		
5	**EXPENSES**	
6	For operation, maintenance and repairs	55,448,389.00
7	For interest on bonds, notes or scrip	
8	For depreciation fund (2.9976% 92,864,776.62 as per page 8B)	2,783,712.00
9	For sinking fund requirements	-
10	For note payments	-
11	For bond payments	-
12	For loss in preceding year	-
13	**TOTAL**	58,232,101.00
14		
15	**COST:**	
16	Of gas to be used for municipal buildings	-
17	Of gas to be used for street lights	-
18	Of electricity to be used for municipal buildings	2,346,560.00
19	Of electricity to be used for street lights	163,403.00
20	Total of above items to be included in the tax levy	2,509,963.00
21		
22	New construction to be included in the tax levy	-
23	Total amounts to be included in the tax levy	2,509,963.00

CUSTOMERS

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.

City or Town	Number of Customers' Meters, Dec. 31
None	
TOTAL	0

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 of Chicopee	
Department Meters	26,513
Contract Lt. Customers	55
TOTAL	26,568

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	163,403
2.	Municipal buildings	2,346,560
3.		
	TOTAL	2,509,963

* 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:

$	**-**	was invested in hydraulic production plant
$	**-**	was invested in other production plant
$	**-**	was invested in transmission plant
$	**3,909,000**	was invested in upgrading the distribution plant
$	**942,000**	was invested in general plant as follows:
	82,000	for property improvements
	-	for office equipment
	358,000	for transportation equipment
	337,000	for communication equipment.
	82,000	for shop, laboratory and miscellaneous equipment.
	83,000	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
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2	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	2,048,323					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	2,688,057	-	-	-	-	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	5,708,388	-	-	-	-	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	3,594,064	92,540	(17,794)			3,668,810
7	365 Overhead Conductors and Devices	12,327,044	938,256				13,265,300
8	366 Underground Conduit	7,898,054	212,996				8,111,050
9	367 Underground Conductors and Devices	7,358,512	585,816				7,944,329
10	368 Line Transformers	7,200,531	177,451	(31,330)			7,346,652
11	369 Services	2,485,615	5,278				2,490,893
12	370 Meters	4,065,189	1,773,869	(613,839)			5,225,219
13	371 Installations on Customer's Premises	6,953					6,953
14	372 Leased Prop on Customer's Premises	759,308	111,539	(1,224)			869,624
15	373 Streetlight and Signal Systems	1,148,934	11,107	(2,334)			1,157,707
16	Total Distribution Plant	56,991,778	3,908,851	(666,521)	-	-	60,234,108
17	5. GENERAL PLANT						
18	389 Land and Land Rights	24,503					24,503
19	390 Structures and Improvements	8,143,589	82,144				8,225,733
20	391 Office Furniture and Equipment	197,780					197,780
21	392 Transportation Equipment	2,818,759	357,964				3,176,722
22	393 Stores Equipment	157,388					157,388
23	394 Tools, Shop and Garage Equipment	422,960	34,433				457,393
24	395 Laboratory Equipment	514,183	46,812				560,995
25	396 Power Operated Equipment						
26	397 Communication Equipment	5,042,048	336,724				5,378,772
27	398 Miscellaneous Equipment	44,596					44,596
28	399 Other Tangible Property	2,132,760	83,129				2,215,888
29	Total General Plant	19,498,566	941,205	-	-	-	20,439,772
30	Total Electric Plant in Service	89,488,305	4,850,056	(666,521)	-	-	93,671,840
31						Total Cost of Electric Plant.....	93,671,840
33						Less Cost of Land, Land Rights, Rights of Way.....	807,063
34						Total Cost upon which Depreciation is based	92,864,777

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)	45,212,274.67	51,503,724	6,291,449
3	101	Utility Plant - Gas (P. 20)			
4	121	Nuclear Fuel Millstone #3			
5		Total Utility Plant	45,212,274.67	51,503,724	6,291,449
6					
7					
8					
9					
10					
11		**FUND ACCOUNTS**			
12	124	Investment - Hydro Quebec II	180,014.63	193,532	13,517
13	125	Sinking Funds			
14	126	Depreciation Fund (P. 14)	21,644,350.46	17,704,000	(3,940,350)
15	128	Other Special Funds	27,353,505	25,362,413	(1,991,091)
16		Total Funds	49,177,870	43,259,945	(5,917,925)
17		**CURRENT AND ACCRUED ASSETS**			
18	131	Cash (P. 14)	2,274,354	500,618	(1,773,736)
19	132	Special Deposits	1,159,691	1,148,936	(10,755)
20	135	Working Funds	3,000	3,000	-
21	134	Other Special Deposits	1,553,583	1,634,229	80,645
22	141	Notes Receivable			
23	142	Customer Accounts Receivable	5,004,601	5,606,523	601,922
24	143	Other Accounts Receivable	420,903	292,123	(128,781)
25	146	Receivables from Municipality			
26	151	Materials and Supplies (P. 14)	2,945,236	3,089,801	144,565
27					
28	165	Prepayments	5,491,259	7,224,980	1,733,721
29	171	Interest/Dividend Receivable	149,235	128,018	(21,217)
30	174	Miscellaneous Current Assets			
31		Total Current and Accrued Assets	19,001,862	19,628,228	626,366
32		**DEFERRED DEBITS**			
33	181	Unamortized Debt Discount			
34	182	Extraordinary Property Losses	5,134,066	4,266,336	(867,729)
35	183	Preliminary Survey & Investment Chgs	-	-	-
36	185	Other Deferred Debits			-
37	186	Misc. Deferred Debits	4,251,558	2,150,839	(2,100,719)
38		Total Deferred Debits	9,385,624	6,417,175	(2,968,448)
39					
40		Total Assets and Other Debits	122,777,630	120,809,072	(1,968,558)

L-15	Reserve Fund - Liability	-	-	-
	Reserve Fund - Rate Stabilization	22,476,757	21,988,916	(487,840)
	Reserve Fund - Retirement	4,752,749	3,249,498	(1,503,251)
	Reserve Fund - Other	123,999	123,999	-
		27,353,505	25,362,413	(1,991,091)
L-21	Braintree Watson -PPD Fund	140,294	164,479	24,185
	Westover Fund	1,124,098	1,180,056	55,957
	Swift River Hydro Operations Co Inc	25,000	25,000	-
	Other Miscellaneous Special Deposits	264,191	264,694	503
		1,553,583	1,634,229	80,645
L-28	Prepaid Insurance	6,229	33,639	27,410
	MMWEC - PASNY	272,955	272,955	-
	MMWEC FUND -WORKING CAPITAL	4,004,708	5,504,708	1,500,000
	Prepaid Postage & Misc.	1,207,366	1,413,678	206,312
		5,491,259	7,224,980	1,733,721

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)	73,941,000	76,268,388	2,327,388
8		Total Surplus	73,941,000	76,268,388	2,327,388
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	5,417,106	4,705,259	(711,847)
15	234	Payables to Municipality			
16	235	Customers' Deposits	1,244,414	1,356,272	111,858
17	236	Taxes Accrued			
18	237	Interest Accrued	24,314	23,964	(350)
19	242	Miscellaneous Current and Accrued Liabilities	1,496,528	1,448,956	(47,572)
20		Total Current and Accrued Liabilities	8,182,362	7,534,450	(647,912)
21		**DEFERRED CREDITS**			
22	251	Unamortized Premium on Debt			-
23	252	Customer Advances for Construction			-
24	253	Other Deferred Credits	22,423,019	22,334,209	(88,809)
25		Total Deferred Credits	22,423,019	22,334,209	(88,809)
26		**RESERVES**			
27	260	Reserves for Uncollectible Accounts	340,000	313,000	(27,000)
28	261	Property Insurance Reserve			-
29	262	Injuries and Damages Reserves	-	-	-
30	263	Pensions and Benefits Reserves	15,119,323	11,587,097	(3,532,226)
31	265	Miscellaneous Operating Reserves			
32		Total Reserves	15,459,323	11,900,097	(3,559,226)
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	122,777,630	120,809,072	(1,968,558)

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	256,278	82,509	(173,769)
Sales Tax Payable	62,663	51,208	(11,455)
In Lieu Of Tax	382,500	382,500	-
Misc Curr & Accr Lia	795,087	932,739	137,652
	1,496,528	1,448,956	(47,572)

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)	57,316,038	(2,071,201)
3		Operating Expenses:		
4	401	Operation Expense (p. 42)	51,897,741	(2,847,948)
5	402	Maintenance Expense (p.42)	2,165,970	289,233
6	403	Depreciation Expense	2,531,854.33	318,586
7	407	Amortization of Property Losses	867,729	-
8			-	
9	408	Taxes (P. 49)	-	-
10		Total Operating Expenses	57,463,295	(2,240,129)
11		Operating Income	(147,257)	168,928
	412	Rental Income - Hot Water Tanks	-	-
12	414	Other Utility Operating Income (P. 50)		
13				
14		Total Operating Income	(147,257)	168,928
15		**OTHER INCOME**		
16	415	Income from Merchandising, Jobbing, and Contract Work (P. 51)	339,625	(50,707)
17	419	Interest Income	1,315,201	(182,963)
18	421	Miscellaneous Nonoperating Income (P. 21)	1,599,854.39	(426,170)
19		Total Other Income	3,254,680	(659,841)
20		Total Income	3,107,424	(490,913)
21		**MISCELLANEOUS INCOME DEDUCTIONS**		
22	425	Miscellaneous Amortization		
23	426	Other Income Deductions (P. 21)	12,892	(3,063)
24		Total Income Deductions	12,892	(3,063)
25		Income Before Interest Charges	3,094,532	(487,850)
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	27,143	(5,652)
31	432	Interest: Charged to Construction - Credit		
32		Total Interest Charges	27,143	(5,652)
33		**NET INCOME**	3,067,388	(482,198)

EARNED SURPLUS

Line No.		Account (a)	Debits (b)	Credits (c)
34	216	Unappropriated Earned Surplus (at beginning of period)		73,941,000
35				
36				
37	433	Balance Transferred from Income	-	3,067,388
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)	76,268,388	
43				
44		**TOTALS**	77,008,388	77,008,388

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund	500,618
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	**TOTAL**	500,618

MATERIALS AND SUPPLIES (Accounts 151-159, 163)

Summary per Balance Sheet

Line No.	Account (a)	Amount End of Year Electric (b)	Amount End of Year Gas (c)
13	Fuel (Account 151) (See Schedule, Page 18)	36,445	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	3,053,355	
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	3,089,801	

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	**DEBITS**	
25	Balance of account at beginning of year	21,644,350
26	Income during year from balance on deposit (interest)	839,566
27	Amount transferred from income (depreciation)	3,220,084
28		
29	**TOTAL**	25,704,000
30	**CREDITS**	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	8,000,000
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	17,704,000
40	**TOTAL**	25,704,000

UTILITY PLANT - ELECTRIC

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2	303 Misc Intangible Plant	-					-
3							
4		-	-	-	-	-	-
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	-	-	-	-	-	-
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	-	-	-	-	-	-

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	1,636,468		(109,305)			1,527,164
5	333 Water Wheels, Turbines and Generators	238,050	-	(13,419)	-	-	224,631
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	2,245,880	-	(122,723)	-	-	2,123,156
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	513,383	-	(18,782)	-	-	494,601
13	342 Fuel Holders, Producers and Accessories	16,628	-	(104)	-	-	16,524
14	343 Prime Movers						
15	344 Generators	70,497		(5,500)			64,997
16	345 Accessory Electric Equipment	218,666		(13,818)			204,848
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	819,175	-	(38,204)	-	-	780,971
19	Total Production Plant	3,065,055	-	(160,928)	-	-	2,904,127
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	1,456,062		(53,194)			1,402,869
25	354 Towers and Fixtures	441,886		(16,166)			425,720
26	355 Poles and Fixtures	736,061		(26,928)			709,133
27	356 Overhead Conductors and Devices	478,053		(17,489)			460,564
28	357 Underground Conduit	182,773		(6,687)			176,086
29	358 Underground Conductors and Devices	59,313		(2,170)			57,143
30	359 Roads and Trails	98,085		(3,582)			94,503
31	Total Transmission Plant	3,709,626	-	(126,215)	-	-	3,583,411

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	5,816		(917)			4,899
4	362 Station Equipment	7,321,951		(245,002)			7,076,949
5	363 Storage Battery Equipment						
6	364 Poles Towers and Fixtures	1,924,550	92,540	(109,298)		16,357	1,924,148
7	365 Overhead Conductors and Devices	4,803,472	938,256	(365,681)		49,207	5,425,253
8	366 Underground Conduit	4,349,520	212,996	(153,811)		49,623	4,458,328
9	367 Underground Conductors and Devices	2,474,560	585,816	(128,892)		52,648	2,984,132
10	368 Line Transformers	2,983,381	177,451	(216,968)		(2,100)	2,941,764
11	369 Services	483,798	5,278	(19,177)		202	470,101
12	370 Meters	2,366,218	1,773,869	(138,399)		156	4,001,844
13	371 Installations on Customer's Premises			-			
14	372 Leased Prop on Customer's Premises	168,773	111,539	(25,388)		5,145	260,068
15	373 Streetlight and Signal Systems	619,829	11,107	(32,894)		658	598,700
16	Total Distribution Plant	27,655,672	3,908,851	(1,436,427)	-	171,896	30,299,992
17	5. GENERAL PLANT						
18	389 Land and Land Rights	24,503					24,503
19	390 Structures and Improvements	3,066,272	82,144	(161,801)			2,986,615
20	391 Office Furniture and Equipment	21,373		(4,580)			16,793
21	392 Transportation Equipment	947,934	357,964	(194,523)			1,111,374
22	393 Stores Equipment	53,660		(6,862)			46,799
23	394 Tools, Shop and Garage Equipment	41,729	34,433	(10,548)			65,614
24	395 Laboratory Equipment	193,038	46,812	(36,263)			203,587
25	396 Power Operated Equipment						
26	397 Communication Equipment	2,302,108	336,724	(260,024)		66,728	2,445,537
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property	717,004	83,129	(133,683)			666,450
29	Total General Plant	7,367,622	941,205	(808,284)	-	66,728	7,567,271
30	Total Electric Plant in Service	41,797,975	4,850,056	(2,531,854)	-	238,624	44,354,800
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	3,414,300	3,734,624				7,148,923
34	Total Utility Plant Electric	45,212,275	8,584,680	(2,531,854)	-	238,624	51,503,724

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	54,265	24,497	54,265		
2	Received During Year	26,670	20,794	26,670		
3	TOTAL	80,935	45,291	80,935		
4	Used During Year (Note A)					
5	Generator Fuel	44,500	23,181	44,500		
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	44,500	23,181	44,500		
13	BALANCE END OF YEAR	36,434	22,110	36,434		

Line No.	Item (g)	Kinds of Fuel and Oil - continued			
		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	-
2	Miscellaneous Nonoperating Income -Others	32,285
3	Miscellaneous Nonoperating Income -Net Gains/Disp of Investments	404,283
4	Miscellaneous Nonoperating Income -Net Unrealized Gains/Losses of Investments	1,163,287
5		
6	**TOTAL**	1,599,854

OTHER INCOME DEDUCTIONS (Account 426)

Line No.	Item (a)	Amount (b)
7	Donations	12,892
8		
9		
10		
11		
12		
13		
14	**TOTAL**	12,891.66

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 Employement 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
34		
35		
36		
37		
38		
39		
40	**TOTAL**	740,000

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)	17,558,902	2,116,517	12.0538
6					
7					
8					
9					
10					
11					
12		**TOTALS**	17,558,902	2,116,517	12.0538
13	444-1	Street Lighting:	1,707,618	176,738	10.3500
14					
15					
16					
17					
18		**TOTALS**	1,707,618	176,738	10.3500
19		**TOTALS**	19,266,520	2,293,255	11.9028

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	100,436,765	7,337,121	7.3052
21	P.A.S.N.Y.	Chicopee, MA 115 KV	26,835,167	299,527	1.1162
22	Ameresco	Chicopee, MA 13.8 KV	31,853,617	1,465,266	4.6000
23	Chicopee Solar, LLC	Chicopee, MA 13.8 KV	4,422,861	258,091	5.8354
24	Chicopee River Solar, LLC	Chicopee, MA 13.8 KV	3,107,943	199,600	6.4222
25	Chicopee Granby Road Solar, LLC	Chicopee, MA 13.8 KV	2,559,565	164,686	6.4341
26	Southern Sky Renewable Energy Chicopee LLC	Chicopee, MA 13.8 KV	2,805,995	147,771	5.2663
27	Consolidated Edison Solutions	Chicopee, MA 13.8 KV	5,081,600	258,673	5.0904
28	Braintree Watson	Chicopee, MA 115 KV	2,069,044	850,078	41.0856
29	MMWEC	Chicopee, MA 115 KV	237,729,900	18,126,808	7.6250
30	Ashuelot Hydro	Chicopee, MA 115 KV	3,799,892	234,559	6.1728
31	Eagle Creek Hydro	Chicopee, MA 115 KV	7,007,155	376,056	5.3667
32	Hancock Wind	Chicopee, MA 115 KV	15,751,317	856,677	5.4388
33	Berkshire Wind	Chicopee, MA 115 KV	2,643,258	238,877	9.0372
34	Holiday Hill Wind	Chicopee, MA 115 KV	7,246,792	433,880	5.9872
35					
36					
			453,350,871.00	31,247,669	6.8926

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* Amount for Year (b)	*Operating Revenues* Increase or (Decrease) from Preceding Year (c)	*Kilowatt-hours Sold* Amount for Year (d)	*Kilowatt-hours Sold* Increase or (Decrease) from Preceding Year (e)	*Average Number of Customers per Month* Number for Year (f)	*Average Number of Customers per Month* Increase or (Decrease) from Preceding Year (g)
1		**SALES OF ELECTRICITY**						
2	440	Residential Sales	25,233,263	(586,239)	200,406,579	9,191,546	23,240	(113)
3	442	Commercial and Industrial Sales	23,034,613	(3,671,903)	188,656,182	(17,221,050)	2,490	(49)
4		Small Commercial B Sales						
5		Large Commercial C Sales						
6	444	Municipal Sales	2,293,255	(482,177)	19,266,520	(2,741,073)	165	(4)
7	445	Other Sales to Public Authorities						
		Federal	2,070,692	(340,094)	20,828,122	(1,589,840)	6	1
		State	1,535,267	(164,160)	12,481,227	(427,061)	76	(1)
8	446	Sales to Railroads and Railways						
9	448	Interdepartmental Sales						
10	449	Miscellaneous Sales - Rate Stabilization	2,100,000	3,000,003				
11		**Total Sales to Ultimate Consumers**	56,267,091	(2,244,569)	441,638,630	(12,787,478)	25,977	(166)
12	447	Sales for Resale		-				0
13		**Total Sales of Electricity**	56,267,091	(2,244,569)	441,638,630	(12,787,478)	25,977	(166)
14		**OTHER OPERATING REVENUES**						
15	450	Forfeited Discounts	7,702	(29,814)				
16	451	Miscellaneous Service Revenues	273,215	183,553				
17	453	Sales of Water and Water Power						
18	454	Rent from Electric Property	227,213	(16,818)				
19	455	Interdepartmental Rents						
20	456	Other Electric Revenues						
21	457	Miscellaneous Revenues	540,817	36,448				
22								
23								
24								
25		Total Other Operating Revenues	1,048,946	173,369				
26		Total Electric Operating Revenue	57,316,038	(2,071,201)				

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)	Number of Customers (per Bills rendered) Dec 31 (f)
1	440	Residential	200,406,579	25,233,263.45	12.59000	23,447	23,186
2	442	Commercial & Industrial	188,656,182	23,034,613.31	12.21000	2,598	2,458
3							
4	444	Municipal	19,266,520	2,293,255.22	11.90000	170	163
5							
6	445	Other Sales to Public Authorities:					
7		Federal	20,828,122	2,070,692.40	9.94000	5	6
8		State	12,481,227	1,535,267.06	12.30000	77	76
9							
10	449	Miscellaneous Sales					
11		Rate Stabilization		2,100,000.00			
12							
13							
14							
15							
16							
17							
18							
19							
20							
		TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)	441,638,630	56,267,091	12.74000	26,297	25,889

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space proved 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	223,706	6,646
46	538	Electric expenses		
47	539	Miscellaneous hydraulic power generation expenses		
48	540	Rents		
49		Total Operation	223,706	6,646

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	223,706	6,646
10		**OTHER POWER GENERATION**		
11		Operation:		
12	546	Operation supervision and engineering		
13	547	Fuel	44,500	29,357
14	548	Generation Expenses	-	-
15	549	Miscellaneous other power generation expense		
16	550	Rents		
17		Total Operation	44,500	29,357
18		Maintenance:		
19	551	Maintenance supervision and engineering		
20	552	Maintenance of Structures		
21	553	Maintenance of generating and electric plant	17,781	(7,941)
22	554	Maintenance of miscellaneous other power generation plant		
23		Total Maintenance	17,781	(7,941)
24		Total power production expenses - other power	62,282	21,415
25		**OTHER POWER SUPPLY EXPENSES**		
26	555	Purchased power	31,247,669	(3,156,010)
27	556	System control and load dispatching		
28	557	Other expenses	593,949	104,573
29		Total other power supply expenses	31,841,618	(3,051,437)
30		Total power production expenses	32,127,606	(3,023,376)
31		**TRANSMISSION EXPENSES**		
32		Operation:		
33	560	Operation supervision and engineering	18,171	(5,178)
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	9,816,908	430,534
39	566	Miscellaneous transmission expenses		
40	567.1	Operating supplies & expenses	3,600	3,600
41		Total Operation	9,838,679	428,956
42		Maintenance:		
43	568	Maintenance supervision and engineering		
44	569	Maintenance of structures	8,610	180
45	570	Maintenance of station equipment		
46	571	Maintenance of overhead lines	2,032	658
47	572	Maintenance of underground lines		
48	573	Maintenance of miscellaneous transmission plant		
	574	Maintenance of transmission plant	12,731	(9,725)
49		Total maintenance	23,374	(8,886)
50		Total transmission expenses	9,862,053	420,070

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	414,291	(34,468)
4	581	Load dispatching (Operation Labor)		
5	582	Station expenses	419,350	31,380
6	583	Overhead line expenses	643,976	28,927
7	584	Underground line expenses	8,161	(1,072)
8	585	Street lighting and signal system expenses	47,364	23,941
9	586	Meter expenses	295,455	46,371
10	587	Customer installations expenses	181,946	12,832
11	588	Miscellaneous distribution expenses	181,339	(17,268)
12	589	Rents	400	-
13		Total operation	2,192,282	90,643
14		Maintenance:		
15	590	Maintenance supervision and engineering		
16	591	Maintenance of structures	6,791	190
17	592	Maintenance of station equipment	136,766	(84,689)
18	593	Maintenance of overhead lines	883,622	165,387
19	594	Maintenance of underground lines	25,154	(18,381)
20	595	Maintenance of line transformers	8,363	2,588
21	596	Maintenance of street lighting and signal systems	1,398	124
22	597	Maintenance of meters	4,703	178
23	598	Maintenance of miscellaneous distribution plant		
24		Total maintenance	1,066,798	65,396
25		Total distribution expenses	3,259,080	156,039
26		**CUSTOMER ACCOUNTS EXPENSES**		
27		Operation:		
28	901	Supervision		
29	902	Meter reading expenses	112,263	(15,722)
30	903	Customer records and collection expenses	1,679,919	(13,271)
31	904	Uncollectible accounts	179,893	374
32	905	Miscellaneous customer accounts expenses		
	908	Customer assistance expenses	361,392	(159,910)
	909	Informational/Instruct expenses	15,475	(5,618)
33		Total customer accounts expenses	2,348,941	(194,147)
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	727,170	52,033
44	921	Office supplies and expenses	207,161	18,749
45	922	Administrative expenses transferred - Cr		
46	923	Outside services employed	81,012	(42,437)
47	924	Property insurance	112,118	42,917
48	925	Injuries and damages	323,898	(85,057)
49	926	Employee pensions and benefits	3,797,862	(125,973)
50	928	Regulatory commission expenses		-
51	929	Store Expense		
52	930	Miscellaneous general expenses	158,793	(18,199)
53	931	Rents	-	-
54		Total operation	5,408,013	(157,966)

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.**	5,408,013	(157,966)
2	Maintenance:		
3	935 Maintenance of general plant	721,799	244,131
4	933 Maintenance of transportation equipment	336,219	(3,466)
5	Total Maintenance	1,058,018	240,665
6	Total administrative and general expenses	6,466,031	82,699
7	Total Electric Operation and Maintenance Expenses	54,063,711	(2,558,715)

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	223,706		223,706
13	Other Power	44,500	17,781	62,282
14	Other Power Supply Expenses	31,841,618		31,841,618
15	**Total power production expenses**	32,109,824	17,781	32,127,606
16	Transmission Expenses	9,838,679	23,374	9,862,053
17	Distribution Expenses	2,192,282	1,066,798	3,259,080
18	Customer Accounts Expenses	2,348,941		2,348,941
19	Sales Expenses	-		-
20	Administrative and General Expenses	5,408,013	1,058,018	6,466,031
21	Power Production Expenses	19,787,916	2,148,189	21,936,105
22	**Total Electric Operation & Maintenance Expenses**	51,897,741	2,165,970	54,063,711

23	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)	100.26%
24	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.	6,078,490
25	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)	73

TAXES CHARGED DURING THE YEAR

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

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1									
2									
3	N/A								
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	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					
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47					
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,	470,465			470,465
3	allowances and returns				
4	Contract work				
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	470,465			470,465
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs	130,840			130,840
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					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	130,840			130,840
51	Net Profit (or loss)	339,625			339,625

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G, and place and "x" in column (c) if sale involves export across a state line.
3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	N/A							
2								
3								
4								
5								
6								
7								
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9								
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42								

SALES FOR RESALE (Account 447) - Continued

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

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents) Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)	Revenue per kwh (CENTS) (0.0000) (p)	Line No.
						0.00		No.
								No.
								No.
								No.
								No.
								1
								2
								3
								4
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								35
								36
	TOTALS:	0	0.00	0.00	0	0		37

PURCHASED POWER (Account 555)
(EXCEPT INTERCHANGE POWER)

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
2. Provide subheadings and classify purchases as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A Cooperatives, and (7) Other Public Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.
3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	P.A.S.N.Y.	O	X	Chicopee, MA	SS			5,553
2								
3	Ameresco	O		Chicopee, MA				5,305
4								
5	Ashuelot & Lower Robertson Hydro	O	X	Chicopee, MA	SS			937
6								
7	Chicopee Solar, LLC	O		Chicopee, MA				3,035
8								
9	Chicopee River Solar, LLC	O		Chicopee, MA				2,191
10								
11	Chicopee Granby Road Solar, LLC	O		Chicopee, MA				1,750
12								
13	Braintree-Watson Generating Station	O		Chicopee, MA	SS			11,449
14								
15	Eagle Creek Hydro Assets	O	X	Chicopee, MA	SS			2,261
16								
17	Hancock Wind	O	X	Chicopee, MA	SS			5,919
18								
19	Southern Sky Renewable Energy Chicopee LLC	O		Chicopee, MA				1,985
20								
21	Consolidated Edison Solutions	O		Chicopee, MA				2,983
22								
23	MMWEC	FP		Chicopee, MA	SS			41,500
24								
25	Berkshire Wind Power Cooperative Corp.	O		Chicopee, MA	SS			760
26								
27	Holiday Hill Community Wind, LLC.	O	X	Chicopee, MA	SS			3,324
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								

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) Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) *	Total (o)	KWH (CENTS) (0.0000) (p)	Line No.
60 Minute	13.8 KV	26,835,167	167,497	132,029		299,526	1.1162	1
								2
60 Minute	13.8 KV	31,853,617		1,465,266		1,465,266	4.6000	3
								4
60 Minute	13.8 KV	3,799,892		234,559		234,559	6.1728	5
								6
60 Minute	13.8 KV	4,422,861		258,091		258,091	5.8354	7
								8
60 Minute	13.8 KV	3,107,943		199,600		199,600	6.4223	9
								10
60 Minute	13.8 KV	2,559,565		164,686		164,686	6.4341	11
								12
60 Minute	13.8 KV	2,069,044	601,353	248,725		850,078	41.0855	13
								14
60 Minute	13.8 KV	7,007,155		376,056		376,056	5.3667	15
								16
60 Minute	13.8 KV	15,751,317	0	856,677		856,677	5.4388	17
								18
60 Minute	13.8 KV	2,805,995		147,771		147,771	5.2663	19
								20
60 Minute	13.8 KV	5,081,600		258,673		258,673	5.0904	21
								22
60 Minute	13.8 KV	237,729,900	5,538,035	12,588,772		18,126,807	7.6250	23
								24
60 Minute	13.8 KV	2,643,258	238,877	0		238,877	9.0372	25
								26
60 Minute	13.8 KV	7,246,792		433,880		433,880	5.9872	27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	352,914,106	6,545,762	17,364,785	0	23,910,547	6.7752	42

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
3. Particulars of settlements for interchange power shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling, coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours Received (e)	Kilowatt-hours Delivered (f)	Kilowatt-hours Net Difference (g)	Amount of Settlement (h)
1	ISO NE		Chicopee, MA	13.8 KV	102,064,865	(1,628,100)	100,436,765	$ 7,337,121
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	102,064,865	(1,628,100)	100,436,765	7,337,121

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	7,608,659
14		Energy Delivered to ISO NE	(271,538)
15			
16			
17			
18			
19			
20			
21		TOTAL	7,337,121

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			1,165,372
6	Other			308,675
7	Total Generation			1,474,047
8	Purchases			352,914,106
9		(In (gross)	102,064,865	
10	Interchanges	< Out (gross)	(1,628,100)	
11		(Net (Kwh)		100,436,765
12		(Received	0	
13	Transmission for/by others (wheeling)	< Delivered	0	
14		(Net (Kwh)		
15	**TOTAL**			454,824,918
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			441,638,630
18	Sales for resale			
19	Energy furnished without charge			
20	Energy used by the company (excluding station use):			
21	Electric department only			1,291,965
22	Energy losses			
23	Transmission and conversion losses		6,562,765	
24	Distribution losses		5,331,558	
25	Unaccounted for losses			
26	Total energy losses			11,894,323
27	Energy losses as percent of total on line 15	2.62%		
28			**TOTAL**	454,824,918

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and 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 as to the nature of the emergency.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
5. If the respondent has two or more power systems 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 Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) (See Instr. 4) (g)
29	January.....	75,637	Tues.	21	7:00 PM	Watt Meter	42,937,263
30	February.....	69,588	Thur.	20	7:00 PM	Watt Meter	39,098,194
31	March.....	63,200	Tues.	17	12:00 PM	Watt Meter	36,574,838
32	April.....	55,187	Mon.	27	1:00 PM	Watt Meter	31,008,934
33	May.....	66,597	Fri.	29	3:00 PM	Watt Meter	31,153,529
34	June.....	90,900	Mon.	22	6:00 PM	Watt Meter	39,055,142
35	July.....	96,093	Mon.	27	6:00 PM	Watt Meter	47,678,406
36	August.....	93,714	Tues.	11	5:00 PM	Watt Meter	44,071,099
37	September.....	76,722	Tues.	8	6:00 PM	Watt Meter	34,511,351
38	October.....	60,032	Fri.	30	2:00 PM	Watt Meter	32,829,045
39	November.....	68,251	Wed.	18	6:00 PM	Watt Meter	34,859,836
40	December.....	74,826	Thur.	17	6:00 PM	Watt Meter	41,047,281
41		60 Minutes Integrated Peak				**TOTAL**	**454,824,918**

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	308,675	1,165,372	
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	44,500		
25	Supplies and expenses, including water	-	223,706	
26	Maintenance	17,781		
27	Rents			
28	Steam from other sources			
29	Steam transfered- Credit			
30	Total production expenses p.40 line 24	62,282	223,706	
31	Expenses per net Kwh (5 places)	0.20177	0.19196	
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	552		
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	1.2826	Per Gal	
37	Average cost of fuel per unit consumed	1.9197	Per Gal	
38	Average cost of fuel consumed per million BTU	13.8107	Per MMBTU	
39	Average cost of fuel consumed per kwh net gen	0.1442	Per Kwh	
40	Average BTU per kwh net generation	10,439	BTU per Kwh	

GENERATING STATION STATISTICS (Large Stations)--Concluded

(Exept 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 componnents of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (I)	Plant (j)	Line No.
						1
						2
						3
						4
						5
						6
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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							
2							
3	NONE						
4							
5							
6							
7							
8							
9							
10							
11							
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47							

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											
2											
3	NONE										
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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43											
44											
45											
46					TOTALS:						
47											

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							
7							
8							
9							
10							
11							
12							
13							
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22							
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24							
25							
26							
27							
28							

HYDROELECTRIC GENERATING STATIONS - Cont.

Line No.	Water Wheels - Continuted			Generators						Total Installed Generating Capacity in KW (q)
	Design Head (h)	R.P.M (i)	Max. Hp. Capacity of Unit at Design Hd (j)	Year Install (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit (KW) (o)	Number of Units in Station (p)	
1										
2	26.25'	260	1589	1983	4160V	3	60 Cy	1250	2	2500
3	26.25'	260	1589	1983	4160V	3	60 Cy	1250		
4										
5										
6										
7										
8										
9										
10										
11										
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16										
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19										
20										
21										
22										
23										
24										
25										
26										
27					TOTALS:			2500	2	2500
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							
5							
6							
7							
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22							
23							
24							
25							

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

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

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

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

Prime Movers - Con't			Generators					Total Installed	
Rated hp. of Unit	Total Rated hp. of Station Primer Movers	Year Installed	Voltage	Phase	Frequency or d.c.	Name Plate Rating of Unit in Kilowatts	Number of Units in Station	Generating Capacity in Kilowatts (name plate ratings)	Line No.
(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
3960	11,800	1978	4.16 KV	3	60 cy	2,750	3	8,250	1
		1983	4.16 KV	3	60 cy	1,250	2	2,500	2
									3
									4
									5
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									24
									25

GENERATING STATION STATISTICS (Small Stations)

Line No.	Name of Plan (a)	Year Const. (b)	Installed Capacity Name Plate Rating-KW (c)	Peak Demand KW (60 Min.) (d)	Net Generate. Excluding Station Use (e)	Cost Of Plant (Omit c) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit c)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generate. (cents) (l) (2)
								Labor (h)	Fuel (i)	Other (j)		
1												
2												
3	N/A											
4												
5												
6												
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38												
39												
40												
41												
42												
43												
44												
45												
46		TOTALS:	0		0	0		0	0	0		0
47												

TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

Line No.	Designation From (a)	Designation To (b)	Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles) On Structures of Line Designated (e)	Length (Pole Miles) On Structures of Another Line (f)	Number of Circuits (g)	Size of Conductors and Material (h)
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								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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36								
37								
38								
39								
40								
41								
42								
43								
44								
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 that 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											
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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	219.59	0.00	219.59
2	Added During Year	0.24		0.24
3	Retired During Year	0.10		0.10
4	Miles -- End of Year	219.73	0.00	219.73
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:	16,330	30,135	2,974	296,887
17	Additions during year	37			
18	Purchased	********	12,668	54	6,100
19	Installed	0		********	********
20	Associated with utility plant acquired			0	0
21	Total Additions	37	12,668	54	6,100
22	Reductions during year:				
23	Retirements	4	9,104	23	975
24	Associated with utility plant sold			0	0
25	Total Reductions	4	9,104	23	975
26	Number at end of year	16,363	33,699	3,005	302,012
27	In stock		7,094		
28	Locked meters on customers' premises		71		
29	Inactive transformers on system				
30	In customers' use		26,513		
31	In company's use		21	3,005	302,012
32	Number at end of year		33,699	3,005	302,012

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	52.178				
2	2 Conduit Bank	15.847				
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 871					
21						
22	Adjustment in 2020 0					
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	104.342				

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 Miles* (c)	Underground Cable Op. Voltage PRIMARY (d)	Underground Cable Miles* (e)	Underground Cable 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		37.473		11.208	
6	350 MCM 4/C Cable				1.241	
7	350 MCM 3/C Cable		2.927		0.659	
8	350 MCM 1/C Cable		13.194		12.494	
9	4/0 3/C Cable		0.201		3.852	
10	4/0 1/C Cable		28.101		36.218	
11	1/0 3/C Cable				5.710	
12	1/0 1/C Cable		6.520		31.411	
13	2 1/C Cable		99.636		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				55.530	
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				7.533	
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		199.565		289.092	

* 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	179				
7	49	49	4865			1,318	0				
8	58	58	2664			204	0				
9	116	116	4188			2	0				
10	129	129	13754			622	249				
11	140	140	12852			73					
12	143	143	13891			546	0				
	150	150	13500			10					
13	177	177	18277			40	47				
14	215	215	18570			138					
15	***High Pressure Sodium***										
16	100	130	8550					0	129		
17	150	190	13500					0	0		
18	250	295	24750					0	190		
19	400	465	44000					32	7		
20	***Metal Halide***										
21	100	125	6500							0	0
22	250	294	14000							0	28
23	320	366	20500							0	44
24	400	465	22500							0	21
25	1000	1090	82000							0	0
26											
27	***LED Flood Lights***										
28	96	96	15000			1	21				
29	146	146	20200			12	232				
30	196	196	25900				154				
31	297	297	38700			2	14				
37											
38	**Total Municipal & Security Lamps =**					**6,175**					
39	**Total Line Wattage (watts) =**					**616,340**					
40	**Total Municipal & Security Lumens =**					**61,858,606**					
41											
42											
43											
44											
45											
46											
47											
48	**TOTALS**			**0**	**0**	**4,838**	**896**	**32**	**326**	**0**	**93**

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
..... |
..... |
.....)

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

INDEX

PAGES INTENTIONALLY OMITTED : 9, 13, 23 TO 36, 80

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	Delivery Services	Customer Charge		$135.00/Month
		Energy Charge	Distribution On-Peak	1.54¢ / kWh
		Energy Charge	Distribution Off-Peak	1.36¢ / kWh
		Energy Charge	Transmission On-Pk	0.9¢ / kWh
		Energy Charge	Transmission Off-Pk	0.9¢ / kWh
		Demand Charges	Distribution	$2.15 / kVA
			Transmission	$4.37 / kVA
	Supply Services	Generation Charge On-Peak		7.30¢ / kWh
		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	Delivery Services	Customer Charge		$135.00/Month
		Energy Charge	Distribution	1.54¢ / kWh
		Energy Charge	Transmission	0.9¢ / kWh
		Demand Charges	Distribution	$2.15 / kVA
			Transmission	$4.37 / kVA
	Supply Services	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			

CITY OF CHICOPEE MUNICIPAL LIGHTING PLANT
725 Front Street
Chicopee, Massachusetts 01020

(413) 598-8311

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	Delivery Services	Customer Charge	$4.00 / Month
		Distribution Charge	1.36¢ / kWh
		Transmission Charge	0.9¢ / kWh
	Supply Services	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		

CITY OF CHICOPEE MUNICIPAL LIGHTING PLANT
725 Front Street
Chicopee, Massachusetts 01020

(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	Delivery Services	Customer Charge	$10.00 / Month
		Distribution Charge	3.470¢ / kWh
		Transmission Charge	2.308¢ / kWh
	Supply Services	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		

CITY OF CHICOPEE MUNICIPAL LIGHTING PLANT
725 Front Street
Chicopee, Massachusetts 01020

(413) 598-8311

http://www.celd.com

M.D.P.U. No. 99

Cancels M.D.P.U. No. 91

Effective Billing: May 1, 2017

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	Delivery Services	Customer Charge	$4.00 / Month
		Distribution Charge	1.93¢ / kWh
		Transmission Charge	1.354¢ / kWh
	Supply Services	Generation Charge	7.00¢ / 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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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	Delivery Services	Customer Charge	$5.60 / Month
		Distribution Charge	2.97¢ / kWh
		Transmission Charge	2.308¢ / kWh
	Supply Services	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		

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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	Delivery Services	Customer Charge	$2.00 / Month
		Distribution Charge	1.82¢ / kWh
		Transmission Charge	1.473¢ / kWh
	Supply Services	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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M.D.P.U. No. 104

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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CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Automated Meter Reading Opt-Out Charge

Designation	AMR Opt Out
Available	In Chicopee, Massachusetts
Applicable	This rate tariff applicable to all residential and commercial customer who elect to opt-out of Chicopee Municipal Lighting Plants Automated Meter Reading (AMR) program. Customers who prefer to have their meter(s) manually read will be charged an additional fee per month.
Special Conditions	By choosing to opt-out of the AMR program and have meter read manually, the customer is required, if meter is located inside the premise, to relocate the meter to an accessible exterior location at the customers expense. If the meter is not moved within 90 days from receipt of an opt-out form from the customer, then the customer is required to provide access to Chicopee Municipal Lighting Plant to install an AMR meter.
Monthly Charge	**$12.90 per month**
General Terms and Conditions	Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate.
Filed	June 10, 2019

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CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Security and Contract Lighting

Designation Security and Contract Lighting

Available In Chicopee, Massachusetts

Applicable This rate tariff applicable to general area land security lighting for all customers.

Monthly Charge

Fixture Type	Monthly Charge
HPS Fixture	
100W Cobra Head	$10.00
250W Cobra Head	$14.00
250W Floodlight	$15.00
400W Cobra Head	$22.00
400W Floodlight	$22.00
Metal Halide Fixture	
250W Cobra Head	$15.00
250W Floodlight	$16.00
320W Cobra Head	$18.00
320W Floodlight	$19.00
400W Cobra Head	$23.00
400W Floodlight	$23.00
1000W Floodlight	$36.00
Wood Pole	$1.00

General Terms and Conditions A $325.00 per pole charge will be added upfront for each required pole installation. Minimum contract is for two (2) years' service. Contract agreement must be signed prior to installation. Service hereunder is subject to the General Terms and Conditions which are incorporated as a part of this rate..

Filed June 10, 2019

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CITY OF CHICOPEE, MASSACHUSETTS
Municipal Lighting Plant

Distributed Generation Metering and Payment Tariff

Designation **Distributed Generation Metering and Payment Tariff**

Available **In Chicopee, Massachusetts**

Applicability In an effort to ensure fair treatment of all of its customers, this tariff specifies the treatment of distributed generation ("DG") installations based on the size of the facility. CEL may charge customers for costs associated with installing additional meter requirements and incidental administration costs. All potential DG customers must have an approved interconnection agreement with CEL prior to the installation of a DG system. The customer must meet all requirements in the interconnection agreement prior to commercial operation. (see Table 1 for fee schedule)

Net metering allows the customer to use the output of its generating equipment to exceed its own electric usage in some hours, and to have those excess kilowatt-hours credited to its usage during hours when the output of the generating equipment is less than the customers load.

CEL allows for Third Party Lease of DG Installations but does not allow third party Purchase Power Agreements (PPA's). These installations will be treated as DG Generators as defined later in this tariff. Third party PPA's allow generation developers to sell electricity directly to customers competing with CEL for that customer's sales, which is considered retail wheeling. State Law exempts municipal electric utilities from offering retail wheeling.

The net metering facility must be located on property owned or occupied by the customer-generator and must operate in parallel with the Department's existing distribution facilities. The primary intent of the net metering facility must be to offset some of the customer-generator's own on-site electric power requirements. CEL does not allow the use of neighborhood or network net metering.

CEL limits the cumulative generating capacity of all net metered Residential and Small Customer DG Installations to one percent (1%) of its 2018 annual peak demand. The cumulative generating capacity of all net metered DG Installations will be limited to three percent (3%) of the annual peak demand. The 2018 annual peak was 100.77 MW.

In order to provide reasonable protection to all customers but provide incentive for small scale DG projects, CEL offers net metering for the classes describe below:

Residential DG Installations: In order to receive net metering benefits, the installed DG shall be smaller than 5 kW. Any kilowatt hours produced by the customer–generator will be credited at the full retail value minus the Distribution/Access Charge (per kWh) per the Customer Rate Schedule at the normal rate for that customer-generator's current class of service. For existing On/Off Peak installations with a dual-register meter, a dual-register meter will be installed on the generator output. The kilowatt hours produced by the generator will be credited against the corresponding On/Off peak usage at the rate for that customer-generator's current class of service. If the customer produces more energy than it uses for the month, the customer will be credited on its bill for the excess generation at the full retail rate minus the Distribution/Access Charge and the credit will be carried over to the following billing period. The customer shall not receive payment for any credit balance as a result of net metering, and credits that continue for more than a year will be deleted from the customer's account. CEL reserves the right to purchase the DG REC's associated with this generator. For systems larger than 5 kW, the Small Customer DG Installation terms and conditions, as defined below, will apply. A $10.00/month Net Metering Fee will apply for all

Residential DG Installations due to the ongoing costs associated with maintaining the additional metering point.

Small Customer DG Installations (≤ 100 kW): Commercial installations will be limited to 50% of the customers annual peak demand. If the customer does not have a demand meter at the premise, the installation will be limited to 40% of the annual energy usage based on a capacity factor of 15%. Installations will be limited to a maximum size of 100 kW.

All kilowatt hours supplied to the customer will be billed at the normal rate for that customer-generator's current class of service. Any kilowatt hours produced by the customer generator will be credited at the full retail value minus the Distribution/Access Charge (per kWh) at the normal rate for that customer-generator's current class of service. For existing On/Off Peak installations with a dual-register meter, a dual-register meter will be installed on the generator output. The kilowatt hours produced by the generator will be credited against the corresponding On/Off peak usage at the rate for that customer-generator's current class of service. For installations that are less than 100 kW that do not meet the net metering requirements in the first paragraph of this section, the generation will be credited at the electric retail generation rate per the Customer Rate Schedule. If the customer has produced more energy than it has used for the month, the credit will be carried over to the following billing period. The customer shall not receive payment for any credit balance as a result of net metering. Customer credits that continue for more than a year will be deleted from the customer's account. A $10.00/month Net Metering Fee will apply for all Small Customer DG Installations due to the ongoing costs associated with maintaining the additional metering point.

Large Customer DG Installations (≤ 750 kW): Commercial installations will be limited to 60% of the customer's annual peak demand up to a maximum installed capacity of 750 kW.

All kilowatt hours supplied to the customer will be billed at the normal rate for that customer-generator's current class of service. Any kilowatt hours produced by the customer-generator will be credited at the electric customer's retail generation rate per the Customer Rate Schedule, and the credit will be carried over to the following billing period. For existing On/Off Peak installations with a dual-register meter, a dual-register meter will be installed on the generator output. The kilowatt hours produced by the generator will be credited against the corresponding On/Off peak usage at the normal rate for that customer-generator's current class of service. The customer shall not receive payment for any credit balance as a result of net metering. Customer credits that continue for more than a year will be deleted from the customer's account. A $25.00/month Net Metering Fee will apply for all Large Customer DG Installations due to the ongoing costs associated with maintaining the additional metering point

Installations that do not meet the requirements defined above will be listed as DG generators. DG generators can sell to the ISO-NE wholesale markets or to third parties outside of CEL's service territory. DG generators may be required to register as an ISO-NE Market Participant and sign an interconnection agreement with ISO-NE in addition to an interconnection agreement with CEL. These customers will be charged a wheeling charge as determined by CEL. CEL and the DG Generator may mutually agree to enter into a Purchase Power Agreement. Should both parties enter into a PPA, then all generation will be governed by the terms of the PPA.

CEL reserves the right to change this tariff at any time to reflect changes in its Electric Rate Schedules or to bill the customer-generator for any costs that occur as a result of charges directly related to the customer-generator.

Indemnification CEL shall not be liable, directly or indirectly, for permitting or continuing to allow the attachment of DG facility, or for the acts or omissions of the customer-generator that cause property damage, or loss, or injury, including death, to any party. CEL will not be held liable for any financial harm that this tariff or modifications to this tariff cause the customer-generator.

Safety & Operation Customers must not interconnect their generating facility with the Department's distribution facilities until they receive written authorization from CEL and approval from the Wiring Inspector. Unauthorized interconnections may result in injury to persons and damage to equipment or property for which the customer may be liable. CEL reserves the right to disconnect generation systems when they are determined to interfere with the operation of Department or other customer equipment, in the sole judgment of the Department. Any corrections or modifications to the equipment will be at the sole expense of the customer-generator.

Table 1 – Distributed Generation Fee Schedules

	≤ = 100 kW	≥ = 100 kW
	Listed DG	**Any DG**
Application Fee (covers screens)	$5/kW Minimum $100 Maximum $500	$5/kW Minimum $500 Maximum $3,000
Supplemental Review or Additional Review (if applicable)	N/A	Up to 10 Engineering hours at $100/hr ($1,000 maximum)
Standard Interconnection Initial Review	N/A	Included in Application fee (if applicable)
Impact and Detailed Study (if required)	N/A	Actual Cost
Facility Upgrades	Actual Cost	Actual Cost
O&M	TBD	TBD
Witness Test	Actual Cost	Actual Cost

General Terms and Conditions Service hereunder is subject to any terms and conditions in the applicable rate class and is subject to the General Terms and Conditions which are incorporated as part of this rate.

Filed June 10, 2019

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CHICOPEE ELECTRIC LIGHT

Purchase Power Adjustment Clause

City of Chicopee, Massachusetts
Municipal Lighting Plant

M.D.P.U. No.109
Cancels M.D.P.U No. 105
Effective Billing: January 1, 2020

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	The Municipal Lighting Plant will calculate a charge or credit to be applied to all kilowatt-hours sold under a rate schedules subject to the Purchase Power Adjustment Clause. The PPA will be determined annually with the budget and modified as needed to adjust for changes in power and transmission related costs. The PPA may be adjusted as needed for changes to rate stabilization funds. The over collection or under collection of funds will be reviewed periodically and recovered or returned over time.
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 23, 2019

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 for settlement 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.