

# The Commonwealth of Massachusetts

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## 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,

# 2021

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

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## GENERAL INFORMATION

1.	Name of town (or city) making report.	Chicopee, MA
2.	If the town (or city) has acquired a plant, Kind of plant, whether gas or electric. Owner from whom purchased, if so acquired. Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws. Record of votes: First vote: Yes, ; No, ; Second vote: Yes, ; No, Date when town (or city) began to sell gas and electricity,	Electric      Began operation and distribution 1896
3.	Name and address of manager of municipal lighting:	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:	Carl E. Sittard, Chairman Robert L. Pajak Joseph F. Pasternak, III
8.	Total valuation of estates in town (or city) according to last State valuation (taxable)	\$4,454,810,888
9.	Tax rate for all purposes during the year:	\$ 16.99/1000 Res. \$37.40/1000 Comm.
10.	Amount of manager's salary:	\$192,833
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, 2021

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
1	<b>INCOME FROM PRIVATE CONSUMERS:</b>			
2	From sales of gas			-
3	From sales of electricity			61,628,032
4				
5	<b>EXPENSES</b>			
6	For operation, maintenance and repairs			59,379,533
7	For interest on bonds, notes or scrip			
8	For depreciation fund ( 3.0944% 95,242,307.59 as per page 8B)			2,947,168
9	For sinking fund requirements			-
10	For note payments			-
11	For bond payments			-
12	For loss in preceding year			-
13				
14				
15	<b>COST:</b>			
16	Of gas to be used for municipal buildings			-
17	Of gas to be used for street lights			-
18	Of electricity to be used for municipal buildings			2,441,780
19	Of electricity to be used for street lights			179,668
20	Total of above items to be included in the tax levy			2,621,448
21				
22	New construction to be included in the tax levy			-
23	Total amounts to be included in the tax levy			2,621,448
<b>CUSTOMERS</b>				
Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.		Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.		
City or Town	Number of Customers' Meters, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31	
	None	City of Chicopee		
		Department Meters	27,885	
		Contract Lt. Customers	53	

**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       | 179,668   |
| 2. Municipal buildings | 2,441,780 |
| 3.                     |           |

TOTAL 2,621,448

\* 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                |
| \$ | 2,349,000 | was invested in upgrading the distribution plant  |
| \$ | 606,000   | was invested in general plant as follows:         |
|    | 2,000     | for property improvements                         |
|    | 27,000    | for office equipment                              |
|    | 121,000   | for transportation equipment                      |
|    | 296,000   | for communication equipment.                      |
|    | 44,000    | for shop, laboratory and miscellaneous equipment. |
|    | 116,000   | 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

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- \*\* 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

<div> <div> 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 </div> <div> <b>TOTAL COST OF PLANT - ELECTRIC</b>  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 </div> <div> effect of such amounts.  4. Reclassifications or transfers within utility plant accounts should be shown in column (f). </div> </div>							
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	217,388	-	-	-	3,042,388
3							
4		2,825,000	217,388	-	-	-	3,042,388
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	3,668,810	30,324	(7,907)			3,691,227
7	365 Overhead Conductors and Devices	13,265,300	1,004,934				14,270,234
8	366 Underground Conduit	8,111,050	112,775				8,223,825
9	367 Underground Conductors and Devices	7,944,329	439,747				8,384,076
10	368 Line Transformers	7,346,652	170,460	(22,188)			7,494,924
11	369 Services	2,490,893	532,979				3,023,872
12	370 Meters	5,225,219	34,898	(469,266)			4,790,852
13	371 Installations on Customer's Premises	6,953					6,953
14	372 Leased Prop on Customer's Premises	869,624	9,739	(899)			878,463
15	373 Streetlight and Signal Systems	1,157,707	13,563	(10,213)			1,161,057
16	Total Distribution Plant	60,234,108	2,349,421	(510,472)	-	-	62,073,056
17	5. GENERAL PLANT						
18	389 Land and Land Rights	24,503					24,503
19	390 Structures and Improvements	8,225,733	1,994				8,227,727
20	391 Office Furniture and Equipment	197,780	26,471				224,251
21	392 Transportation Equipment	3,176,722	121,159	(284,830)			3,013,051
22	393 Stores Equipment	157,388					157,388
23	394 Tools, Shop and Garage Equipment	457,393	29,789				487,183
24	395 Laboratory Equipment	560,995	14,182				575,176
25	396 Power Operated Equipment						
26	397 Communication Equipment	5,378,772	296,192				5,674,964
27	398 Miscellaneous Equipment	44,596					44,596
28	399 Other Tangible Property	2,215,888	116,238				2,332,126
29	Total General Plant	20,439,772	606,025	(284,830)	-	-	20,760,967
30	Total Electric Plant in Service	93,671,840	3,172,833	(795,303)	-	-	96,049,371
31	Total Cost of Electric Plant.....						96,049,371
33	Less Cost of Land, Land Rights, Rights of Way.....						807,063
34	Total Cost upon which Depreciation is based .....						95,242,308
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.							

<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		<b>UTILITY PLANT</b>			
2	101	Utility Plant - Electric (P. 17)	51,503,724	54,548,273	3,044,550
3	101	Utility Plant - Gas (P. 20)			
4	121	Nuclear Fuel Millstone #3			
5		Total Utility Plant	51,503,724	54,548,273	3,044,550
6					
7					
8					
9					
10					
11		<b>FUND ACCOUNTS</b>			
12	124	Investment - Hydro Quebec II	193,532	199,946	6,415
13	125	Sinking Funds			
14	126	Depreciation Fund (P. 14)	17,704,000	19,768,155	2,064,155
15	128	Other Special Funds	25,362,413	20,760,136	(4,602,277)
16		Total Funds	43,259,945	40,728,238	(2,531,708)
17		<b>CURRENT AND ACCRUED ASSETS</b>			
18	131	Cash (P. 14)	500,618	444,088	(56,530)
19	132	Special Deposits	1,148,936	1,131,267	(17,670)
20	135	Working Funds	3,000	3,000	-
21	134	Other Special Deposits	1,634,229	1,664,511	30,282
22	141	Notes Receivable			
23	142	Customer Accounts Receivable	5,606,523	3,757,018	(1,849,506)
24	143	Other Accounts Receivable	292,123	357,384	65,261
25	146	Receivables from Municipality			
26	151	Materials and Supplies (P. 14)	3,089,801	3,613,281	523,480
27					
28	165	Prepayments	7,224,980	7,271,760	46,780
29	171	Interest/Dividend Receivable	128,018	114,162	(13,855)
30	174	Miscellaneous Current Assets			
31		Total Current and Accrued Assets	19,628,228	18,356,471	(1,271,757)
32		<b>DEFERRED DEBITS</b>			
33	181	Unamortized Debt Discount			
34	182	Extraordinary Property Losses	4,266,336	3,398,607	(867,729)
35	183	Preliminary Survey & Investment Chgs	-	-	-
36	185	Other Deferred Debits			-
37	186	Misc. Deferred Debits	2,150,839	1,514,981	(635,858)
38		Total Deferred Debits	6,417,175	4,913,588	(1,503,587)
39					
40		Total Assets and Other Debits	120,809,072	118,546,570	(2,262,502)
L-15		Reserve Fund - Liability	-	-	-
		Reserve Fund - Rate Stabilization	21,988,916	19,055,529	(2,933,387)
		Reserve Fund - Retirement	3,249,498	1,565,608	(1,683,890)
		Reserve Fund - Other	123,999	138,999	15,000
			25,362,413	20,760,136	(4,602,277)
L-21		Braintree Watson -PPD Fund	164,479	197,951	33,472
		Westover Fund	1,180,056	1,181,984	1,928
		Swift River Hydro Operations Co Inc	25,000	25,000	-
		Other Miscellaneous Special Deposits	264,694	259,576	(5,118)
			1,634,229	1,664,511	30,282
L-28		Prepaid Insurance	33,639	24,638	(9,001)
		MMWEC - PASNY	272,955	272,955	-
		MMWEC FUND -WORKING CAPITAL	5,504,708	5,504,708	-
		Prepaid Postage & Misc.	1,413,678	1,469,459	55,781
			7,224,980	7,271,760	46,780

**COMPARATIVE BALANCE SHEET Liabilities and Other Credits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	<b>APPROPRIATIONS</b>			
2 201	Appropriations for Construction	-	-	-
3	<b>SURPLUS</b>			
4 205	Sinking Fund Reserves			
5 206	Loans Repayment			
6 219	Accum Other Comprehensive Income	-	-	-
7 216	Unappropriated Earned Surplus (P. 12)	76,268,388	79,456,419	3,188,030
8	Total Surplus	76,268,388	79,456,419	3,188,030
9	<b>LONG TERM DEBT</b>			
10 221	Bonds (P. 6)			
11 231	Notes Payable (P. 7)			
12	Total Bonds and Notes	-	-	-
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14 232	Accounts Payable	4,705,259	4,993,868	288,609
15 234	Payables to Municipality			
16 235	Customers' Deposits	1,356,272	1,481,236	124,965
17 236	Taxes Accrued			
18 237	Interest Accrued	23,964	4,899	(19,065)
19 242	Miscellaneous Current and Accrued Liabilities	1,448,956	1,511,780	62,824
20	Total Current and Accrued Liabilities	7,534,450	7,991,783	457,332
21	<b>DEFERRED CREDITS</b>			
22 251	Unamortized Premium on Debt			-
23 252	Customer Advances for Construction			-
24 253	Other Deferred Credits	22,334,209	19,957,956	(2,376,254)
25	Total Deferred Credits	22,334,209	19,957,956	(2,376,254)
26	<b>RESERVES</b>			
27 260	Reserves for Uncollectible Accounts	313,000	382,000	69,000
28 261	Property Insurance Reserve			-
29 262	Injuries and Damages Reserves	-	-	-
30 263	Pensions and Benefits Reserves	11,587,097	7,986,486	(3,600,612)
31 265	Miscellaneous Operating Reserves			
32	Total Reserves	11,900,097	8,368,486	(3,531,612)
33	<b>CONTRIBUTIONS IN AID OF</b>			
34	<b>CONSTRUCTION</b>			
35 271	Contributions in Aid of Construction	2,771,927	2,771,927	-
36	Total Liabilities and Other Credits	120,809,072	118,546,570	(2,262,502)

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	82,509	116,381	33,872
Sales Tax Payable	51,208	51,504	296
In Lieu Of Tax	382,500	382,500	-
Misc Curr & Accr Lia	932,739	961,394	28,656
	1,448,956	1,511,780	62,824

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37)	62,447,118	5,131,080
3	Operating Expenses:		
4	401 Operation Expense (p. 42)	53,677,946	1,780,205
5	402 Maintenance Expense (p.42)	2,581,799	415,829
6	403 Depreciation Expense	2,728,895.28	197,041
7	407 Amortization of Property Losses	867,729	-
8		-	-
9	408 Taxes (P. 49)	-	-
10	Total Operating Expenses	59,856,370	(2,045,246)
11	Operating Income	2,590,748	2,045,218
	412 Rental Income - Hot Water Tanks	-	-
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	2,590,748	2,045,218
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	326,815	(12,810)
17	419 Interest Income	932,603	(382,598)
18	421 Miscellaneous Nonoperating Income (P. 21)	91,302	(1,508,553)
19	Total Other Income	1,350,720	(1,903,961)
20	Total Income	3,941,468	141,257
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions (P. 21)	7,993	(4,899)
24	Total Income Deductions	7,993	(4,899)
25	Income Before Interest Charges	3,933,475	146,156
26	<b>INTEREST CHARGES</b>		
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	5,445	(21,699)
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	5,445	(21,699)
33	<b>NET INCOME</b>	3,928,030	167,855

## EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	216 Unappropriated Earned Surplus (at beginning of period)		76,268,388
35			
36			
37	433 Balance Transferred from Income	-	3,928,030
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)	79,456,419	
43			
44	<b>TOTALS</b>	80,196,419	80,196,419

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

Line No.	Items (a)	Amount (b)
1	Operation Fund	444,088
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	<b>TOTAL</b>	444,088

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

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151 ) (See Schedule, Page 18)	52,441	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	3,560,840	
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	3,613,281.14	

**DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of account at beginning of year	17,704,000
26	Income (loss) during year from balance on deposit (interest + gain/loss)	(44,649)
27	Amount transferred from income (depreciation)	4,608,804
28		
29	<b>TOTAL</b>	22,268,155
30	<b>CREDITS</b>	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	2,500,000
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	19,768,155
40	<b>TOTAL</b>	22,268,155

UTILITY PLANT - ELECTRIC							
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c).		effect of such amounts.			
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3 Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative		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	-	217,388				217,388
3							
4		-	217,388	-	-	-	217,388
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	1,527,164		(95,527)			1,431,636
5	333 Water Wheels, Turbines and Generators	224,631	-	(13,419)	-	-	211,213
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	2,123,156	-	(108,946)	-	-	2,014,210
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	494,601	-	(18,782)	-	-	475,819
13	342 Fuel Holders, Producers and Accessories	16,524	-	(3,334)	-	-	13,190
14	343 Prime Movers						
15	344 Generators	64,997		(5,500)			59,497
16	345 Accessory Electric Equipment	204,848		(13,818)			191,030
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	780,971	-	(41,434)	-	-	739,537
19	Total Production Plant	2,904,127	-	(150,380)	-	-	2,753,747
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	1,402,869		(53,194)			1,349,675
25	354 Towers and Fixtures	425,720		(16,166)			409,553
26	355 Poles and Fixtures	709,133		(26,928)			682,205
27	356 Overhead Conductors and Devices	460,564		(17,489)			443,075
28	357 Underground Conduit	176,086		(6,687)			169,399
29	358 Underground Conductors and Devices	57,143		(2,170)			54,973
30	359 Roads and Trails	94,503		(3,582)			90,922
31	Total Transmission Plant	3,583,411	-	(126,215)	-	-	3,457,195



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	4,899		(917)			3,982
4	362 Station Equipment	7,076,949		(245,002)			6,831,947
5	363 Storage Battery Equipment						
6	364 Poles Towers and Fixtures	1,924,148	30,324	(110,064)		5,335	1,849,743
7	365 Overhead Conductors and Devices	5,425,224	1,004,934	(392,610)		(16,919)	6,020,630
8	366 Underground Conduit	4,458,328	112,775	(155,685)		13,952	4,429,372
9	367 Underground Conductors and Devices	2,984,132	439,747	(144,831)		(7,593)	3,271,455
10	368 Line Transformers	2,941,764	170,460	(219,448)		(1,199)	2,891,577
11	369 Services	470,101	532,979	(19,104)			983,976
12	370 Meters	4,001,844	34,898	(226,722)			3,810,020
13	371 Installations on Customer's Premises			-			
14	372 Leased Prop on Customer's Premises	260,068	9,739	(37,054)		219	232,972
15	373 Streetlight and Signal Systems	598,700	13,563	(31,752)		1,888	582,399
16	Total Distribution Plant	30,299,963	2,349,421	(1,583,189)	-	(4,318)	31,061,877
17	5. GENERAL PLANT						
18	389 Land and Land Rights	24,503					24,503
19	390 Structures and Improvements	2,986,615	1,994	(164,266)			2,824,343
20	391 Office Furniture and Equipment	16,793	26,471	(4,338)			38,927
21	392 Transportation Equipment	1,111,387	121,159	(233,230)		(28,975)	970,341
22	393 Stores Equipment	46,799		(6,862)			39,937
23	394 Tools, Shop and Garage Equipment	65,616	29,789	(15,586)			79,820
24	395 Laboratory Equipment	203,587	14,182	(41,912)			175,857
25	396 Power Operated Equipment						
26	397 Communication Equipment	2,445,537	296,192	(263,556)			2,478,173
27	398 Miscellaneous Equipment						
28	399 Other Tangible Property	666,462	116,238	(139,362)			643,339
29	Total General Plant	7,567,300	606,025	(869,111)	-	(28,975)	7,275,238
30	Total Electric Plant in Service	44,354,800	3,172,833	(2,728,895)	-	(33,293)	44,765,446
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	7,148,923	2,633,904				9,782,828
34	Total Utility Plant Electric	51,503,724	5,806,738	(2,728,895)	-	(33,293)	54,548,273

# **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	36,445	22,110	36,445		
2	Received During Year	75,077	33,919	75,077		
3	TOTAL	111,522	56,029	111,522		
4	Used During Year (Note A)	59,081	32,121	59,081		
5	Generator Fuel					
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	59,081	32,121	59,081		
13	BALANCE END OF YEAR	52,441	23,908	52,441		
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.

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1	Miscellaneous Nonoperating Income -Net Gain/Losses on Disposition of Property	-
2	Miscellaneous Nonoperating Income -Others	27,263
3	Miscellaneous Nonoperating Income -Net Gains/Disp of Investments	1,331,624
4	Miscellaneous Nonoperating Income -Net Unrealized Gains/Losses of Investments	(1,267,585)
5		
6	<b>TOTAL</b>	91,302
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7	Donations	7,993
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	7,993
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	<b>TOTAL</b>	-
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24	Adjusment for Other Post Employment Benefits Liability per GASB #75	
25		
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	-
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payment - City of Chicopee	740,000
34		
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	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)	18,883,553	2,384,035	12.6249	
6						
7						
8						
9						
10						
11						
12		TOTALS	18,883,553	2,384,035	12.6249	
13	444-1	Street Lighting:	1,713,310	177,328	10.3500	
14						
15						
16						
17						
18		TOTALS	1,713,310	177,328	10.3500	
19		TOTALS	20,596,863	2,561,363	12.4357	
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	132,004,276	10,829,171	8.2037
21	P.A.S.N.Y.		Chicopee, MA 115 KV	23,167,462	288,471	1.2452
22	Ameresco		Chicopee, MA 13.8 KV	26,223,368	1,206,275	4.6000
23	Chicopee Solar, LLC		Chicopee, MA 13.8 KV	4,673,291	276,903	5.9252
24	Chicopee River Solar, LLC		Chicopee, MA 13.8 KV	3,081,010	200,807	6.5176
25	Chicopee Granby Road Solar, LLC		Chicopee, MA 13.8 KV	2,491,055	162,672	6.5303
26	Southern Sky Renewable Energy Chicopee LLC		Chicopee, MA 13.8 KV	2,639,709	138,902	5.2620
27	Consolidated Edison Solutions		Chicopee, MA 13.8 KV	4,877,561	251,761	5.1616
28	Braintree Watson		Chicopee, MA 115 KV	2,281,326	1,179,825	51.7166
29	MMWEC		Chicopee, MA 115 KV	220,961,500	16,469,080	7.4534
30	Ashuelot Hydro		Chicopee, MA 115 KV	5,454,606	338,785	6.2110
31	Eagle Creek Hydro		Chicopee, MA 115 KV	8,606,570	480,677	5.5850
32	Hancock Wind		Chicopee, MA 115 KV	14,378,694	731,611	5.0882
33	Berkshire Wind		Chicopee, MA 115 KV	1,540,772	147,362	9.5642
34	Holiday Hill Wind		Chicopee, MA 115 KV	7,612,054	456,715	5.9999
35						
36				459,993,254.06	33,159,015	7.2086
SALES FOR RESALE (Account 447)						
Line No.	Names of Utilities to Which Electric Energy is sold (a)		Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
37						
38						
39						
40						
41						
42						
43			TOTALS	0	-	

**ELECTRIC OPERATING REVENUES (Account 400)**

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

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

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

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	26,056,232	822,969	199,362,707	(1,043,872)	23,180	(60)
3	442 Commercial and Industrial Sales	24,485,729	1,451,116	192,656,701	4,000,519	2,465	(25)
4	Small Commercial B Sales						
5	Large Commercial C Sales						
6	444 Municipal Sales	2,561,363	268,108	20,596,863	1,330,343	165	0
7	445 Other Sales to Public Authorities						
	Federal	2,186,955	116,263	21,240,573	412,451	6	0
	State	1,563,078	27,811	12,239,526	(241,701)	78	2
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales - Rate Stabilization	3,600,000	1,500,000				
11	<b>Total Sales to Ultimate Consumers</b>	60,453,357	4,186,267	446,096,370	4,457,740	25,894	(83)
12	447 Sales for Resale		-				0
13	<b>Total Sales of Electricity</b>	60,453,357	4,186,267	446,096,370	4,457,740	25,894	(83)
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	21,569	13,867				
16	451 Miscellaneous Service Revenues	1,208,695	935,481				
17	453 Sales of Water and Water Power						
18	454 Rent from Electric Property	225,279	(1,935)				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues						
21	457 Miscellaneous Revenues	538,218	(2,598)				
22							
23							
24							
25	Total Other Operating Revenues	1,993,761	944,814				
26	Total Electric Operating Revenue	62,447,118	5,131,082				

**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440	Residential	199,362,707	26,056,232	13.07000	23,468	23,201
2	442	Commercial & Industrial	192,656,701	24,485,729	12.71000	2,606	2,470
3							
4	444	Municipal	20,596,863	2,561,363	12.44000	172	166
5							
6	445	Other Sales to Public Authorities:					
7		Federal	21,240,573	2,186,955	10.30000	6	5
8		State	12,239,526	1,563,078	12.77000	78	79
9							
10	449	Miscellaneous Sales					
11		Rate Stabilization		3,600,000			
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			446,096,370	60,453,357	13.55000	26,330	25,921

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

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

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

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering		
5	501 Fuel		
6	502 Steam Expenses		
7	503 Steam from other sources		
8	504 Steam transferred -- Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	Total Operation	-	-
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	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam Expenses		
27	521 Steam from other sources		
28	522 Steam transferred -- Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	Total Operation	-	-
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	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses	249,285	25,580
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	Total Operation	249,285	25,580

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
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	249,285	25,580
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering		
13	547 Fuel	59,081	14,581
14	548 Generation Expenses	-	-
15	549 Miscellaneous other power generation expense		
16	550 Rents		
17	Total Operation	59,081	14,581
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of Structures		
21	553 Maintenance of generating and electric plant	53,952	36,170
22	554 Maintenance of miscellaneous other power generation plant		
23	Total Maintenance	53,952	36,170
24	Total power production expenses - other power	113,033	50,751
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	33,159,015	1,911,346
27	556 System control and load dispatching		
28	557 Other expenses	928,578	334,629
29	Total other power supply expenses	34,087,593	2,245,975
30	Total power production expenses	34,449,911	2,322,305
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	53,974	35,803
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	11,293,559	1,476,651
39	566 Miscellaneous transmission expenses		
40	567.1 Operating supplies & expenses	3,608	8
41	Total Operation	11,351,140	1,512,461
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures	12,736	4,126
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines	269	(1,764)
47	572 Maintenance of underground lines		
48	573 Maintenance of miscellaneous transmission plant		
48	574 Maintenance of transmission plant	5,480	(7,251)
49	Total maintenance	18,485	(4,888)
50	Total transmission expenses	11,369,626	1,507,573



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	379,243	(35,048)
4	581 Load dispatching (Operation Labor)		
5	582 Station expenses	398,949	(20,401)
6	583 Overhead line expenses	639,855	(4,121)
7	584 Underground line expenses	23,960	15,799
8	585 Street lighting and signal system expenses	29,571	(17,794)
9	586 Meter expenses	312,012	16,556
10	587 Customer installations expenses	166,150	(15,796)
11	588 Miscellaneous distribution expenses	197,084	15,744
12	589 Rents	400	-
13	Total operation	2,147,222	(45,060)
14	Maintenance:		
15	590 Maintenance supervision and engineering		
16	591 Maintenance of structures	4,017	(2,774)
17	592 Maintenance of station equipment	139,257	2,491
18	593 Maintenance of overhead lines	785,175	(98,447)
19	594 Maintenance of underground lines	26,729	1,575
20	595 Maintenance of line transformers	13,491	5,128
21	596 Maintenance of street lighting and signal systems	-	(1,398)
22	597 Maintenance of meters	7,764	3,061
23	598 Maintenance of miscellaneous distribution plant		
24	Total maintenance	976,433	(90,364)
25	Total distribution expenses	3,123,655	(135,425)
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision		
29	902 Meter reading expenses	67,996	(44,267)
30	903 Customer records and collection expenses	1,870,142	190,223
31	904 Uncollectible accounts	180,281	388
32	905 Miscellaneous customer accounts expenses		
	908 Customer assistance expenses	343,422	(17,969)
	909 Informational/Instruct expenses	22,300	6,825
33	Total customer accounts expenses	2,484,141	135,199
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision		
37	912 Demonstrating and selling expenses		
38	913 Advertising expenses		
39	916 Miscellaneous sales expenses		
40	Total sales expenses	-	-
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	657,853	(69,317)
44	921 Office supplies and expenses	176,486	(30,675)
45	922 Administrative expenses transferred - Cr		
46	923 Outside services employed	99,404	18,392
47	924 Property insurance	194,332	82,215
48	925 Injuries and damages	410,929	87,031
49	926 Employee pensions and benefits	1,624,881	(2,172,981)
50	928 Regulatory commission expenses		-
51	929 Store Expense		
52	930 Miscellaneous general expenses	135,599	(23,194)
53	931 Rents	-	-
54	Total operation	3,299,484	(2,108,530)

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>	3,299,484	(2,108,530)
2	Maintenance:		
3	935 Maintenance of general plant	1,210,741	488,943
4	933 Maintenance of transportation equipment	322,188	(14,031)
5	Total Maintenance	1,532,929	474,912
6	Total administrative and general expenses	4,832,413	(1,633,618)
7	Total Electric Operation and Maintenance Expenses	56,259,745	2,196,034

**SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
8	<b>Power Production Expenses</b>			
9	Electric Generation:			
10	Steam Power:			
11	Nuclear Power			
12	Hydraulic Power	249,285		249,285
13	Other Power	59,081	53,952	113,033
14	Other Power Supply Expenses	34,087,593		34,087,593
15	<b>Total power production expenses</b>	34,395,959	53,952	34,449,911
16	Transmission Expenses	11,351,140	18,485	11,369,626
17	Distribution Expenses	2,147,222	976,433	3,123,655
18	Customer Accounts Expenses	2,484,141		2,484,141
19	Sales Expenses	-		-
20	Administrative and General Expenses	3,299,484	1,532,929	4,832,413
21	Power Production Expenses	19,281,987	2,527,848	21,809,834
22	<b>Total Electric Operation &amp; Maintenance Expenses</b>	53,677,946	2,581,799	56,259,745

23 Ratio of operating expenses to operating revenues 95.85%  
 (carry out decimal two places, (e.g.. 0.00%)  
 Compute by dividing Revenues (Acct 400) into the sum of Operation  
 and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403)  
 and Amortization (Acct 407)

24 Total salaries and wages of electric department for year, including  
 amounts charged to operating expenses, construction and other  
 accounts. 6,133,446

25 Total number of employees of electric department at end of year 74  
 including administrative, operating, maintenance, construction and  
 other employees (including part-time employees)

**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	N/A								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	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	N/A				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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41					
42					
43					
44					
45					
46					
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,	381,844			381,844
3	allowances and returns				
4	Contract work				
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	381,844			381,844
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs	55,029			55,029
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	55,029			55,029
51	Net Profit (or loss)	326,815			326,815

## 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 an "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								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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41								
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)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
						0.00		1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
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								30
								31
								32
								33
								34
								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			4,550
2								
3	Ameresco	O		Chicopee, MA				3,893
4								
5	Ashuelot & Lower Robertson Hydro	O	X	Chicopee, MA	SS			931
6								
7	Chicopee Solar, LLC	O		Chicopee, MA				3,066
8								
9	Chicopee River Solar, LLC	O		Chicopee, MA				2,191
10								
11	Chicopee Granby Road Solar, LLC	O		Chicopee, MA				1,754
12								
13	Braintree-Watson Generating Station	O		Chicopee, MA	SS			11,513
14								
15	Eagle Creek Hydro Assets	O	X	Chicopee, MA	SS			2,105
16								
17	Hancock Wind	O	X	Chicopee, MA	SS			5,851
18								
19	Southern Sky Renewable Energy Chicopee LLC	O		Chicopee, MA				1,987
20								
21	Consolidated Edison Solutions	O		Chicopee, MA				2,890
22								
23	MMWEC	FP		Chicopee, MA	SS			39,750
24								
25	Berkshire Wind Power Cooperative Corp.	O		Chicopee, MA	SS			757
26								
27	Holiday Hill Community Wind, LLC.	O	X	Chicopee, MA	SS			3,343
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)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) *	Total (o)		
60 Minute	13.8 KV	23,167,462	166,863	121,608		288,471	1.2452	1
								2
60 Minute	13.8 KV	26,223,368		1,206,275		1,206,275	4.6000	3
								4
60 Minute	13.8 KV	5,454,606		338,785		338,785	6.2110	5
								6
60 Minute	13.8 KV	4,673,291		276,903		276,903	5.9252	7
								8
60 Minute	13.8 KV	3,081,010		200,807		200,807	6.5176	9
								10
60 Minute	13.8 KV	2,491,055		162,672		162,672	6.5302	11
								12
60 Minute	13.8 KV	2,281,326	749,673	430,152		1,179,825	51.7166	13
								14
60 Minute	13.8 KV	8,606,570		480,677		480,677	5.5850	15
								16
60 Minute	13.8 KV	14,378,694	0	731,611		731,611	5.0882	17
								18
60 Minute	13.8 KV	2,639,709		138,902		138,902	5.2620	19
								20
60 Minute	13.8 KV	4,877,561		251,761		251,761	5.1616	21
								22
60 Minute	13.8 KV	220,961,500	5,502,063	10,967,016		16,469,079	7.4534	23
								24
60 Minute	13.8 KV	1,540,772	147,362	0		147,362	9.5642	25
								26
60 Minute	13.8 KV	7,612,054		456,715		456,715	5.9999	27
								28
								29
								30
								31
								32
								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	327,988,978	6,565,961	15,763,884	0	22,329,845	6.8081	42

## INTERCHANGE POWER (Included in Account 555)

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

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	ISO NE		Chicopee, MA	13.8 KV	132,485,679	(481,403)	132,004,276	\$ 10,829,171
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				132,485,679	(481,403)	132,004,276	10,829,171

## 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	10,558,219
14		Energy Delivered to ISO NE	270,952
15			
16			
17			
18			
19			
20			
21	TOTAL		10,829,171

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Year Ended December 31, 2021

**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	<b>SOURCES OF ENERGY</b>	
2	Generation	
3	Steam	0
4	Nuclear	427,355
5	Hydro	
6	Other	
7	Total Generation	427,355
8	Purchases	327,988,978
9		( In (gross) 132,485,679
10	Interchanges	< Out (gross) (481,403)
11		( Net (Kwh) 132,004,276
12		( Received 0
13	Transmission for/by others (wheeling)	< Delivered 0
14		( Net (Kwh)
15	<b>TOTAL</b>	460,420,609
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales)	446,096,370
18	Sales for resale	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	1,368,218
22	Energy losses	
23	Transmission and conversion losses	7,148,563
24	Distribution losses	5,807,458
25	Unaccounted for losses	
26	Total energy losses	12,956,021
27	Energy losses as percent of total on line 15	2.81%
28	<b>TOTAL</b>	460,420,609

**MONTHLY PEAKS AND OUTPUT**

- Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation
- as to the nature of the emergency.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
- If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

**Annual Report of The City of Chicopee**

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January.....	78,030	Friday	29	6:00 PM	Watt Meter	43,435,744
30	February.....	75,322	Monday	1	12:00 PM	Watt Meter	39,826,631
31	March.....	74,373	Tuesday	2	12:00 PM	Watt Meter	38,666,211
32	April.....	58,740	Friday	16	2:00 PM	Watt Meter	32,432,499
33	May.....	77,683	Wednesday	26	6:00 PM	Watt Meter	32,835,641
34	June.....	100,754	Tuesday	29	3:00 PM	Watt Meter	41,469,763
35	July.....	89,576	Friday	16	2:00 PM	Watt Meter	41,677,460
36	August.....	98,755	Thursday	12	5:00 PM	Watt Meter	45,723,106
37	September.....	79,920	Wednesday	15	5:00 PM	Watt Meter	35,970,942
38	October.....	55,092	Thursday	14	7:00 PM	Watt Meter	32,339,300
39	November.....	68,142	Tuesday	30	6:00 PM	Watt Meter	35,662,168
40	December.....	69,316	Monday	20	6:00 PM	Watt Meter	40,381,144
41		60 Minutes Integrated Peak				<b>TOTAL</b>	<b>460,420,609</b>

## GENERATING STATION STATISTICS (Large Stations)

(Except Nuclear, See Instruction 10)

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

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

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

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

5. If a group of employees attends more than one generating station, report on line 11 the 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	427,355	-	
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	59,081		
25	Supplies and expenses, including water	-	249,285	
26	Maintenance	53,952		
27	Rents			
28	Steam from other sources			
29	Steam transfered- Credit			
30	Total production expenses p.40 line 24	113,033	249,285	
31	Expenses per net Kwh (5 places)	0.26449	0.00000	
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	765		
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	2.2134	Per Gal	
37	Average cost of fuel per unit consumed	1.8393	Per Gal	
38	Average cost of fuel consumed per million BTU	13.2326	Per MMBTU	
39	Average cost of fuel consumed per kwh net gen	0.1382	Per Kwh	
40	Average BTU per kwh net generation	10,448	BTU per Kwh	

### GENERATING STATION STATISTICS (Large Stations)--Concluded

(Except Nuclear, See Instruction 10)

547 as shown on line 24.

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

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

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

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

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
						1
						2
						3
						4
						5
						6
						7
						8
						9
						10
						11
						12
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						14
						15
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						38
						39
						40

STEAM GENERATING STATIONS							
Line No.	Name of Station (a)	Location of Station (b)	Boiler				
			Num. & Yr. Installed (c)	Kind of Fuel & Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temp. (f)	Rated Max. Cont. M lbs. Steam/Hr (g)
1	NONE						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							

NONE

## STEAM GENERATING STATIONS - Cont.

Line No.	Year Installed (h)	Type (i)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure:		Power Factor (p)	Voltage K.v. (q)	Station Capacity Max Name Plate Rating (r)
					At min. Hydro Prs (l)	At max. Hydro Prs (m)	Min. (n)	Max. (o)			
1	NONE										
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
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42											
43											
44											
45											
46											
47											
					TOTALS:						

## HYDROELECTRIC GENERATING STATIONS

Line No.	Name of Station (a)	Location of Station (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit (e)	Year Install (f)	Gross Static Head with Pond Full (g)
1	Chicopee Hydro	Bridge St.	Chicopee River	Unattended			
2	UNIT #1				Horizontal Kaplan	1983	26.25'
3	UNIT #2				Horizontal Kaplan	1983	26.25'
4							
5							
6							
7							
8							
9							
10							
11							
12							
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24							
25							
26							
27							
28							



[illegible]

## 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							
8							
9							
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24							
25							

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

[illegible]

GENERATING STATION STATISTICS (Small Stations)												
Line No.	Name of Plant (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	N/A											
2												
3												
4												
5												
6												
7												
8												
9												
10												
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<b>TRANSMISSION LINE STATISTICS</b> Report information concerning transmission line as indicated below.								
Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Fairmont 1638 Line at NU Structure 3079A (@ Ingham St.)	CMLP Memorial 7P Sub	115 kV	Embedded Wood Poles and Steel Poles on Foundations	0.7		1	1590 ACSS
2	Piper 1904 Line at NU Structure 3078A (@ Ingham St.)	CMLP Memorial 7P Sub	115 kV	Embedded Wood Poles and Steel Poles on Foundations	0.7		1	1590 ACSS
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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42								
43								
44								
45								
46								
47	<b>TOTALS</b>				1.4	0	2	

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

Annual Report of The City of Chicopee

Year Ended December 31, 2021

**SUBSTATIONS**

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

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

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

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

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

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	No. of Xmps In Serv (g)	No. of Spare Xmps (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											
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25											
26											
27											
28											
29											
30											
31											
32			TOTALS			281,875	7	0			

**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	219.73	0.00	219.73
2	Added During Year	0.39		0.39
3	Retired During Year	0.60		0.60
4	Miles -- End of Year	219.52	0.00	219.52
5	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

**ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS**

Line No.	Item	Electric Services	Number of Watt-Hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	16,363	33,699	3,005	302,012
17	Additions during year	27			
18	Purchased	*****	16	13	2,850
19	Installed	0		*****	*****
20	Associated with utility plant acquired			0	0
21	Total Additions	27	16	13	2,850
22	Reductions during year:				
23	Retirements	7	3,898	11	1,325
24	Associated with utility plant sold			0	0
25	Total Reductions	7	3,898	11	1,325
26	Number at end of year	16,383	29,817	3,007	303,537
27	In stock		1,420		
28	Locked meters on customers' premises		491		
29	Inactive transformers on system				
30	In customers' use		27,885		
31	In company's use		21	3,007	303,537
32	Number at end of year		29,817	3,007	303,537

**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	52.338				
2	2 Conduit Bank	16.027				
3	3 Conduit Bank	4.189				
4	4 Conduit Bank	9.139				
5	5 Conduit Bank	0.327				
6	6 Conduit Bank	8.000				
7	7 Conduit Bank	0.019				
8	8 Conduit Bank	1.447				
9	9 Conduit Bank	6.274				
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 2021              2					
23						
24	Total Manholes                    873					
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44	TOTALS	104.782				



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

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

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All sizes and types) (b)	Underground Cable		Underground Cable	
			Miles* (c)	Op. Voltage PRIMARY (d)	Miles* (e)	Op. Voltage SECONDARY (f)
1	800 MCM 1/C Cable	NOTE 3	0.284	NOTE 1 4.16 kV		NOTE 2
2	750 MCM 1/C Cable		0.068			
3	750 MCM 1/C Cable		3.040			
4	500 MCM 3/C Cable		1.731			
5	500 MCM 1/C Cable		37.995		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		12.714	
9	4/0 3/C Cable		0.923		4.050	
10	4/0 1/C Cable		28.101		36.457	
11	1/0 3/C Cable				5.681	
12	1/0 1/C Cable		6.520		31.586	
13	2 1/C Cable		99.765		25.411	
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				55.842	
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				0.486	
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				7.577	
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		200.938		290.207	

\* 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			0	0														
2	67	67	635																
3	115	115	1270																
4	150	150	1730																
5	LED					1,871	284												
6	48	48	5571																
7	49	49	4865																
8	58	58	2664																
9	116	116	4188																
10	129	129	13754																
11	140	140	12852																
12	143	143	13891																
	150	150	13500																
13	177	177	18277																
14	215	215	18570																
15	High Pressure Sodium															0	21		
16	100	130	8550																
17	150	190	13500																
18	250	295	24750																
19	400	465	44000					32	0										
20	Metal Halide									0	0								
21	100	125	6500																
22	250	294	14000																
23	320	366	20500																
24	400	465	22500																
25	1000	1090	82000																
26						1	38												
27	LED Flood Lights																		
28	96	96	15000																
29	146	146	20200																
30	196	196	25900																
31	297	297	38700																
37																			
38	Total Municipal & Security Lamps =				6,174														
39	Total Line Wattage (watts) =				554,362														
40	Total Municipal & Security Lumens =				60,014,058														
41																			
42																			
43																			
44																			
45																			
46																			
47																			
48	TOTALS			0	0	4,835	1,296	32	21	0	0								

**RATE SCHEDULE INFORMATION**

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

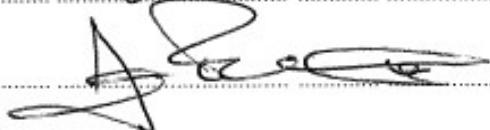
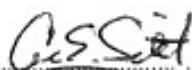
Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		<b>SEE ATTACHED</b>		

## THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor



Manager of Electric Light

Selectmen  
or  
Members  
of the  
Municipal  
Light  
BoardSIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF  
MASSACHUSETTS MUST BE PROPERLY SWORN TO

SS

20

Then personally appeared

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

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