



*The Commonwealth of Massachusetts*

*Department of Public Utilities*

*Mark D. Marini, Department Secretary*

*One South Station*

*Boston, MA 02110*

TO THE MAYORS, SELECTMEN, MUNICIPAL LIGHTS BOARDS AND MANAGERS OF MUNICIPAL LIGHTING IN THE SEVERAL CITIES AND TOWNS IN THIS COMMONWEALTH OPERATING GAS OR ELECTRIC LIGHT PLANTS:

This form of the Annual Return should be filled out and one original and a duplicate copy (which may be a photocopy) should be returned to the Office of the Department of Public Utilities, One South Station, Boston, Massachusetts 02110, by March 31st of the year following the calendar year of the report in accordance with the statutes of the Commonwealth and the regulations of the Department made in pursuance thereof.

Where the word "None" truly and completely states the fact, it should be given as the answer to any particular inquiry or portion of an inquiry.

If respondent so desires, cents may be omitted in the balance sheet, income statement and supporting schedules. All supporting schedules on an even-dollar basis, however, shall agree with even-dollar amounts in the main schedules. Averages and extracted figures, where cents are important, must show cents for reasons which are apparent.

Special attention is called to the legislation in regard to the Returns placed in the last page.

Submit Electronic Version to:

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Kevin Brannelly

George Yiankos

Director, Rates and Revenue Requirements Division

Director, Gas Division



# *The Commonwealth of Massachusetts*

**RETURN  
OF THE  
CITY OF  
HOLYOKE GAS AND ELECTRIC DEPARTMENT  
TO THE  
DEPARTMENT OF  
PUBLIC UTILITIES  
OF MASSACHUSETTS**

**For the Year Ended December 31,**

**2022**

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

Brooke M. McMahon

Official Title:

Director of Finance & Accounting

Office Address:

99 Suffolk Street  
Holyoke, MA 01040

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**FOR GAS PLANTS ONLY:**

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**GENERAL INFORMATION**

1. Name of town (or city) making this report.	Holyoke, Massachusetts 01040
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 electricity,	1902
3. Name and address of manager of municipal lighting:	James M. Lavelle 54 Pleasant Street Holyoke, MA 01040
4. Name and address of mayor or selectmen:	Joshua A. Garcia City Hall Holyoke, MA 01040
5. Name and address of town (or city) treasurer:	Rory Casey City Hall Holyoke, MA 01040
6. Name and address of town (or city) clerk:	Brenna Murphy-McGee City Hall Holyoke, MA 01040
7. Names and addresses of members of municipal light board:	Francis J. Hoey, III 15 Carol Lane Holyoke, MA 01040  Marcos Marerro 34 Pinehurst Road Holyoke, MA 01040  James A. Sutter 30 Fairfield Avenue Holyoke, MA 01040
8. Total valuation of estates in town (or city) according to last state valuation Fiscal 2022 7/1/21 - 6/30/22 \$2,423,198,137	Fiscal 2023 7/1/22 - 6/30/23 \$2,538,396,005
9. Tax rate for all purposes during the year: Fiscal 2022 7/1/21 - 6/30/22 \$19.26 - Residential \$40.60 - Commercial/Industrial	Fiscal 2023 7/1/22 - 6/30/23 \$18.76 - Residential \$40.17 - Commercial/Industrial
10. Amount of manager's salary:	\$244,702.00
11. Amount of manager's bond:	\$100,000.00
12. Amount of salary paid to members of municipal light board (each)	\$4,000.00

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

INCOME FROM PRIVATE CONSUMERS:		
1	From Sales of Gas.....	30,520,830
2	From Sales of Electricity.....	52,035,609
3	From Sales of Steam and Sundries.....	3,419,112
4	TOTAL	<b>85,975,552</b>
EXPENSES:		
6	For operation, maintenance and repairs.....	75,034,247
7	For interest on bonds, notes or scrip.....	1,835,990
8	For depreciation fund ( 3% on \$290,720,693 as per page 8B & 9A ).....	<b>8,708,121</b>
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	6,343,513
12	For loss in preceding year.....	
13	TOTAL	<b>91,921,871</b>
COST:		
16	Of gas to be used for municipal buildings.....	1,214,187
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings (includes telecom).....	3,539,512
19	Of electricity to be used for street lights.....	383,833
20	Of steam.....	
21	Total of the above items to be included in the tax levy.....	<b>5,137,532</b>
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	<b>5,137,532</b>

CUSTOMERS

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
Holyoke, MA	10,434	Holyoke, MA	17,265
Southampton, MA	1,187	Southampton, MA	139
Westfield, MA	8	Westfield, MA	0
TOTAL	<b>11,629</b>	TOTAL	<b>17,404</b>

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT:

* At	meeting	19	, to be paid from {	\$	
* At	meeting	19	, to be paid from {		
				TOTAL \$	<u>                    </u>

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

1. Street Lights.....	\$	383,833
2. Municipal Buildings.....		4,753,699
3. Steam.....		0
	\$	<u>5,137,532</u>

\*Date of meeting and whether regular or special { Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

In electric property:

In gas property:







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							
3							
4	TOTAL INTANGIBLE PLANT	0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights.....						
8	311 Structures and Improvements.....	1,109,982		57,794			1,052,188
9	312 Boiler Plant Equipment.....	3,154					3,154
10	312-01 Boiler Plant Equipment Comm.....						
11	313 Engines and Engine Driven Generators.....						
12	314 Turbogenerator Units.....						
13	315 Accessory Electric Equipment.....	(0)					(0)
14	316 Miscellaneous Power Plant Equipment.....	34,253		3,965			30,288
15							
16	Total Steam Production Plant	1,147,389	0	61,759	0	0	1,085,630
17	B. Nuclear Production Plant						
18	320 Land and Land Rights.....						
19	321 Structures and Improvements.....						
20	322 Reactor Plant Equipment.....						
21	323 Turbogenerator Units.....						
22	324 Accessory Electric Equipment.....						
23	325 Miscellaneous Power Plant Equipment.....						
24	Total Nuclear Production Plant	0	0	0	0	0	0

## 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.....	876,412					876,412
3	331 Structures and Improvements.....	25,138,033	241,657		37,410		25,417,099
4	332 Reservoirs, Dams and Waterways....	21,479,449	1,009,682				22,489,131
5	333 Waterwheels, Turbines and Generators.....	32,909,426	29,496				32,938,922
6	334 Accessory Electric Equipment.....	5,450,209	174,447				5,624,656
7	335 Miscellaneous Power Plant Equipment.....	415,751					415,751
8	336 Roads, Railroads and Bridges.....	0	52,718				52,718
9	Total Hydraulic Production Plant	86,269,280	1,507,999	0	37,410	0	87,814,689
10	D. Other Production Plant						
11	340 Land and Land Rights.....	15,040					15,040
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant	15,040	0	0	0	0	15,040
19	TOTAL PRODUCTION PLANT	87,431,709	1,507,999	61,759	37,410	0	88,915,359
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	791,616					791,616
22	350-01 Transmission & Row	139,937			(139,937)		0
23	351 Energy Storage Equip - Transmission...	1,514			(1,514)		0
24	352 Structures and Improvements.....						
25	353 Station Equipment.....	13,638,693	124,503	19,405			13,743,791
26	354 Towers and Fixtures.....						
27	355 Poles and Fixtures.....	2,991,969	23,109				3,015,079
28	356 Overhead Conductors and Devices...	1,072,896					1,072,896
29	357 Underground Conduits.....	0	1,620				1,620
30	358 Underground Conductors and Devices	0					0
31	359 Roads and Trails.....	9,667	353,119		141,451		504,237
32	TOTAL TRANSMISSION PLANT	18,646,293	502,352	19,405	0	0	19,129,239

## TOTAL COST OF PLANT - ELECTRIC (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)	
1	4. DISTRIBUTION PLANT							
2	360 Land and Land Rights.....	2,519,363					2,519,363	
3	361 Structures and Improvements.....	353,885		12,862			341,023	
4	362 Station Equipment.....	22,038,496	297,288	14,508			22,321,275	
5	363 Storage Battery Equipment.....							
6	364 Poles, Towers and Fixtures.....	6,011,516	904,772	202,923			6,713,365	
7	365 Overhead Conductors and Devices....	9,277,956	1,057,812	267,334			10,068,433	
8	366 Underground Conduits.....	13,208,878	1,045,387				14,254,265	
9	367 Underground Conductors & Devices...	18,646,130	1,556,163	290,686			19,911,606	
10	368 Line Transformers (Over & Under)....	5,819,609	752,703	179,112			6,393,200	
11	369 Services (Over & Under).....	4,072,829	215,991	39,078			4,249,742	
12	370 Meters-Consumer's Expense.....	3,542,338	131,848	353,421			3,320,765	
13	371 Installation on Cust's Premises.....	1,098,160	4,657	1,500			1,101,317	
14	373 Street Light and Signal Systems.....	3,774,265	304,602	12,878			4,065,989	
15	3** Telecommunications.....	10,165,862	308,864		693		10,475,419	
16	TOTAL DISTRIBUTION PLANT	100,529,285	6,580,087	1,374,303	693	0	105,735,762	
17	5. GENERAL PLANT							
18	389 Land and Land Rights.....	98,576					98,576	
19	390 Structures and Improvements.....	4,656,372	28,042	6,201			4,678,214	
20	391/391-01 Office Furn & Equip/Comp Equip.....	3,023,300	166,955	13,805			3,176,450	
21	392 Transportation Equipment.....	3,122,512	54,853	22,910			3,154,455	
22	393 Stores Equipment.....	70,581		7,870			62,711	
23	394 Tools, Shop and Garage Equipment...	167,020		9,829			157,191	
24	395 Laboratory Equipment.....	176,118		1,950			174,168	
25	396 Power Operated Equipment.....	175,252					175,252	
26	397 Communication Equipment.....	868,510		6,402			862,107	
27	398 Miscellaneous Equipment.....	133,837		1,235			132,602	
28	399 Other Tangible Property.....							
29	3** Telecommunications.....	2,253,783	358,751				2,612,534	
30	TOTAL GENERAL PLANT	14,745,859	608,602	70,201	0	0	15,284,260	
31	TOTAL ELECTRIC PLANT IN SERVICE	221,353,146	9,199,040	1,525,668	38,103	0	229,064,620	
32	TOTAL COST OF ELECTRIC PLANT.....							229,064,620
33								
34	Less Cost of Land, Land Rights, and Rights of Way.....							4,408,006
35	Total Cost upon which depreciation is based.....							224,656,614

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

Note: Asset figures above exclude right to use asset recorded under GASB statement #87 as those assets are not owned by the Department but required to be accounted for as assets under GASB statement #87

## TOTAL COST OF PLANT - GAS

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 pre-

- ceding 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	301 Organization.....						
3	303 Miscellaneous Intangible Plant.....						
4	TOTAL INTANGIBLE PLANT	0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	Manufactured Gas Production						
7	304 Land and Land Rights.....	84,563					84,563
8	305 Structures and Improvements.....	228,526					228,526
9	306 Boiler Plant Equipment.....						
10	307 Other Power Plant Equipment.....	2,368					2,368
11	310 Water Gas Generating Equipment...						
12	311 Liquefied Petroleum Gas Equipment..	2,867					2,867
13	312 Oil Gas Generating Equipment.....						
14	313 Generating Equip - Other Processes..						
15	315 Catalytic Cracking Equipment.....						
16	316 Other Reforming Equipment.....						
17	317 Purification Equipment.....						
18	318 Residual Refining Equipment.....						
19	319 Gas Mixing Equipment.....	1,598,948					1,598,948
20	320 Other Equipment.....	16,647					16,647
21	TOTAL MANUFACTURED GAS PRODUCTION PLANT	1,933,918	0	0	0	0	1,933,918
22	3. STORAGE PLANT						
23	360 Land and Land Rights.....						
24	361 Structures and Improvements.....	720,187	30,967				751,154
25	362 Gas Holders.....						
26	363 Other Equipment.....						
30	TOTAL STORAGE PLANT	720,187	30,967	0	0	0	751,154

## TOTAL COST OF PLANT - GAS (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. TRANSMISSION AND DISTRIBUTION PLANT						
2	365.1 Land and Land Rights.....	92,538					92,538
3	365.2 Rights-of-Way.....						
4	366 Structures and Improvements.....	866,697	23,870				890,567
5	367 Mains.....	23,736,073	2,629,128	49,835			26,315,366
6	368 Compressor Station Equipment...	127,047					127,047
7	369 Measuring and Regulating Station Equipment.....	1,895,793	453,966				2,349,760
8	370 Comm Equip Meters/Telemeter.....	366,829					366,829
9	380 Services.....	20,887,418	1,472,819	278,818			22,081,419
10	381 Meters.....	5,287,576	55,007	41,670			5,300,913
11	382 Meter Installations.....	5,086					5,086
12	383 House Regulators.....						
13	386 Other Property on Cust's Prem...						
14	387 Other Equipment.....	24,871					24,871
15	TOTAL TRANSMISSION AND DISTRIBUTION PLANT	53,289,929	4,634,790	370,323	0	0	57,554,396
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	59,754					59,754
19	390 Structures and Improvements.....	1,692,255		4,274			1,687,981
20	391/391-01 Office Furn & Equip/Comp Equip	1,545,341	87,056	3,178	1,083		1,630,302
21	392 Transportation Equipment.....	1,293,538	55,998	9,131			1,340,404
22	393 Stores Equipment.....	18,710					18,710
23	394 Tools, Shop and Garage Equipment	429,316	34,484				463,800
24	395 Laboratory Equipment.....						
25	396 Power Operated Equipment.....	13,415					13,415
26	397 Communication Equipment.....	372,354					372,354
27	398 Miscellaneous Equipment.....	24,747					24,747
28	399 Other Tangible Property.....						
29	TOTAL GENERAL PLANT	5,449,429	177,537	16,582	1,083	0	5,611,467
30	TOTAL GAS PLANT IN SERVICE	61,393,463	4,843,293	386,905	1,083	0	65,850,935
31	TOTAL COST OF GAS PLANT.....						65,850,935
32	Less Cost of Land, Land Rights, and Rights of Way.....						236,856
33	Total Cost upon which depreciation is based.....						65,614,079

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

## COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	UTILITY PLANT			
2	101 Utility Plant in Service - Electric (pg 17).....	137,708,456	140,595,447	2,886,991
3	101 Utility Plant in Service - Gas (pg 20).....	30,027,264	32,557,289	2,530,025
4	Non Operating Plant.....	5,988,390	5,988,390	0
5	TOTAL UTILITY PLANT	173,724,110	179,141,126	5,417,016
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (pg 14) see acct 234 pg 11.....			
14	128 Other Special Funds.....	29,754,287	30,002,071	247,784
15	TOTAL FUNDS	29,754,287	30,002,071	247,784
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (pg 14).....	2,562,301	3,188,144	625,843
18	132 Special Deposits.....	2,009,756	1,654,299	(355,457)
19	132 Working Funds.....	15,350	15,350	0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	7,165,935	8,128,892	962,957
22	143 Other Accounts Receivable.....			
23	146 Receivables from Municipality.....	515,223	505,442	(9,781)
24	151 Materials and Supplies (pg 14).....	4,473,067	6,446,899	1,973,832
25	163 Stores Expense.....			
26	165 Prepayments.....	63,077,390	51,269,057	(11,808,333)
27	174 Miscellaneous Current Assets.....	3,123,298	13,549,035	10,425,737
28	TOTAL CURRENT AND ACCRUED ASSETS	82,942,320	84,757,118	1,814,798
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....	663,333	596,666	(66,667)
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....	0	0	0
33	TOTAL DEFERRED DEBITS	663,333	596,666	(66,667)
34				
35	TOTAL ASSETS AND OTHER DEBITS	287,084,050	294,496,981	7,412,931

## 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.....	0	0	0
6	207 Appropriations for Construction Repayment.....			
7	208 Unappropriated Earned Surplus (pg 12).....	113,191,521	110,373,168	(2,818,353)
8	TOTAL SURPLUS	113,191,521	110,373,168	(2,818,353)
9	LONG TERM DEBT			
10	221 Bonds (pg 6).....	0	0	0
11	231 Notes Payable (pg 7).....	0	0	0
12	228 Net Pension Liability.....	20,953,484	17,300,177	(3,653,307)
13	TOTAL BONDS AND NOTES	20,953,484	17,300,177	(3,653,307)
14	CURRENT AND ACCRUED LIABILITIES			
15	232 Accounts Payable.....	9,176,086	14,118,522	4,942,436
16	234 Payables to Municipality.....			
17	235 Customer Deposits.....	1,618,089	1,686,891	68,802
18	236 Taxes Accrued.....			
19	237 Interest Accrued.....	0	0	0
20	242 Miscellaneous Current and Accrued Liabilities.....	0	0	0
21	TOTAL CURRENT AND ACCRUED LIABILITIES	10,794,175	15,805,413	5,011,238
22	DEFERRED CREDITS			
23	251 Unamortized Premium on Debt.....			
24	252 Customer Advance for Construction.....			
25	253 Other Deferred Credits.....	141,395,603	150,268,956	8,873,353
26	TOTAL DEFERRED CREDITS	141,395,603	150,268,956	8,873,353
27	RESERVES			
28	260 Reserves for Uncollectible Accounts.....	749,267	749,267	0
29	261 Property Insurance Reserve.....			
30	262 Injuries and Damages Reserves.....			
31	263 Pensions and Benefits.....			
32	265 Miscellaneous Operating Reserves.....			
33	TOTAL RESERVES	749,267	749,267	0
34	CONTRIBUTIONS IN AID OF CONSTRUCTION			
35	271 Contributions in Aid of Construction.....			0
36	TOTAL LIABILITIES AND OTHER CREDITS	287,084,050	294,496,981	7,412,931

State below if any earnings of the Municipal Lighting Plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenue (pg 37 and pg 43) .....	85,317,320	10,655,171
3	Operating Expenses:		
4	401 Operation Expense (pg 42 and pg 47).....	56,158,623	8,961,790
5	402 Maintenance Expense (pg 42 and pg 47).....	13,562,286	2,962,361
6	403 Depreciation Expense .....	8,343,052	206,057
7	407 Amortization of Property Losses.....	0	0
8			
9	408 Taxes (pg 49).....		
10	Total Operating Expenses	78,063,962	12,130,208
11	Operating Income	7,253,358	(1,475,037)
12	414 Other Utility Operating Income (pg 50).....	0	0
13			
14	Total Operating Income	7,253,358	(1,475,037)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (pg 51).....	27,583	53,472
17	419 Interest Income.....	(8,044,098)	(12,597,775)
18	421 Miscellaneous Nonoperating Income.....	1,160,061	(4,204)
19	Total Other Income	(6,856,453)	(12,548,507)
20	TOTAL INCOME	396,905	(14,023,543)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....	1,485,367	(404,696)
24	Total Income Deductions	1,485,367	(404,696)
25	Income before Interest Charges	(1,088,462)	(13,618,847)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes.....	205,805	(254,088)
28	428 Amortization of Debt Discount and Expense.....	247,006	180,339
29	429 Amortization of Premium on Debt.....		
30	431 Other Interest Expense.....	1,699	(6,311)
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	454,510	(80,060)
33	NET INCOME	(1,542,972)	(13,538,787)

## EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		113,191,521
35	Adjustment to correct Unappropriated Earned Surplus.....		
36	Adjustment to correct Unappropriated Earned Surplus.....		0
37	433 Balance transferred from Income.....		(1,542,972)
38	434 Miscellaneous Credits to Surplus (pg 21).....	0	
39	435 Miscellaneous Debits to Surplus (pg 21).....	1,275,380.9	
40	436 Appropriations of Surplus (pg 21).....	0	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	110,373,168	
43			
44	TOTALS	111,648,550	111,648,549



STATEMENT OF INCOME FOR THE YEAR

Electric		Gas		Line No.
Current Year (d)	Increase or (Decrease) from Preceding Year (e)	Current Year (f)	Increase or (Decrease) from Preceding Year (g)	
				1
56,142,450	4,362,094	29,174,870	6,293,077	2
				3
34,998,816	3,482,105	21,159,807	5,479,685	4
11,110,092	3,072,748	2,452,194	(110,387)	5
6,508,354	116,511	1,834,698	89,546	6
				7
				8
				9
52,617,263	6,671,364	25,446,699	5,458,843	10
3,525,187	(2,309,270)	3,728,171	834,233	11
0	0			12
				13
3,525,187	(2,309,270)	3,728,171	834,233	14
				15
(1,087)	(2,140)	28,670	55,611	16
(7,314,004)	(11,503,049)	(730,094)	(1,094,726)	17
1,130,867	(41,347)	29,194	37,143	18
(6,184,223)	(11,546,535)	(672,230)	(1,001,972)	19
(2,659,036)	(13,855,805)	3,055,941	(167,738)	20
				21
				22
1,380,703	(333,474)	104,664	(71,223)	23
1,380,703	(333,474)	104,664	(71,223)	24
(4,039,739)	(13,522,331)	2,951,277	(96,516)	25
				26
205,805	(211,105)	0	(42,983)	27
247,006	180,339	0	0	28
				29
0	0	1,699	(6,311)	30
				31
452,811	(30,766)	1,699	(49,294)	32
(4,492,550)	(13,491,565)	2,949,578	(47,222)	33

(4,495,392)

2,842

2,941,295

8,283

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund.....	3,188,144
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	3,188,144

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 25).....		
14	Fuel Stock Expenses (Account 152).....	0	1,140,845
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	4,211,277	1,094,777
17	Merchandise (Account 155).....		
18	Other Materials and Supplies (Account 156).....		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)...		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)...		
21	Nuclear Byproduct Materials (Account 159).....		
22	Stores Expense (Account 163).....		
23	Total per Balance Sheet	4,211,277	2,235,622

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
25	Balance of Account at Beginning of Year.....	0
26	Income During Year from Balance on Deposit.....	8,343,052
27	Amount Transferred from Income.....	
28	TOTAL	8,343,052
29		
30	CREDITS	
31	Amount expended for Construction Purposes (Sec. 57, C. 164 of G.L.).....	0
32	Amounts Expended for Renewals.....	8,343,052
33		
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	0
40	TOTAL	8,343,052

UTILITY PLANT - ELECTRIC

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights.....						
8	311 Structures and Improvements.....	183,726		8,964			174,762
9	312 Boiler Plant Equipment.....	0					0
10	312-01 Boiler Plant Equipment Comm.....						
11	313 Engines and Engine Driven Generators - Commercial Steam Line						
12	314 Turbogenerator Units.....						
13	315 Accessory Electric Equipment.....						
14	316 Miscellaneous Power Plant Equipment.....	0					0
15							
16	Total Steam Production Plant	183,726	0	8,964	0	0	174,762
17	B. Nuclear Production Plant						
18	320 Land and Land Rights.....						
19	321 Structures and Improvements.....						
20	322 Reactor Plant Equipment.....						
21	323 Turbogenerator Units.....						
22	324 Accessory Electric Equipment.....						
23	325 Miscellaneous Power Plant Equipment.....						
24	Total Nuclear Production Plant	0	0	0	0	0	0

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights.....	876,412					876,412
3	331 Structures and Improvements.....	19,575,875	241,657	788,201		37,410	19,066,740
4	332 Reservoirs, Dams and Waterways...	11,167,522	1,009,682	644,391			11,532,813
5	333 Waterwheels, Turbines and Generators.....	23,819,511	29,496	940,653			22,908,354
6	334 Accessory Electric Equipment.....	3,578,214	174,447	149,994			3,602,667
7	335 Miscellaneous Power Plant Equipment.....	332,504		12,490			320,014
8	336 Roads, Railroads and Bridges.....	0	52,718				52,718
9	Total Hydraulic Production Plant	59,350,037	1,507,999	2,535,729	0	37,410	58,359,717
10	D. Other Production Plant						
11	340 Land and Land Rights.....	15,040					15,040
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant	15,040	0	0	0	0	15,040
19	TOTAL PRODUCTION PLANT	59,548,803	1,507,999	2,544,693	0	37,410	58,549,519
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	791,616					791,616
22	350-01 Transmission & Row	139,937				(139,937)	0
23	351 Clearing Land and Rights of Way.....	1,514				(1,514)	0
24	352 Structures and Improvements.....	0					0
25	353 Station Equipment.....	8,991,104	124,503	236,097	11,903		8,867,607
26	354 Towers and Fixures.....	0					0
27	355 Poles and Fixtures.....	1,169,265	23,109	54,497			1,137,877
28	356 Overhead Conductors and Devices....	154,608		17,605			137,003
29	357 Underground Conduits.....	0	1,620				1,620
30	358 Underground Conductors and Devices.....	0	0				0
31	359 Roads and Trails.....	9,667	353,119	3,355		141,451	500,882
32	TOTAL TRANSMISSION PLANT	11,257,711	502,352	311,554	11,903	0	11,436,606

## UTILITY PLANT - ELECTRIC (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights.....	2,519,363					2,519,363
3	361 Structures and Improvements.....	27,826		4,821	1,679		21,326
4	362 Station Equipment.....	16,360,296	297,288	633,931	5,065		16,018,588
5	363 Storage Battery Equipment.....						
6	364 Poles, Towers and Fixtures.....	3,658,565	904,772	200,291	29,561		4,333,484
7	365 Overhead Conductors and Devices...	4,187,085	1,057,812	298,285	53,467		4,893,145
8	366 Underground Conduit.....	6,032,612	1,045,387	416,212			6,661,786
9	367 Underground Conductors and Devices	11,905,649	1,556,163	579,330	64,234		12,818,248
10	368 Line Transformers (Over & Under)....	2,708,425	752,703	214,480	7,244		3,239,405
11	369 Services (Over & Under).....	992,575	215,991	162,077	7,816		1,038,674
12	370 Meters.....	2,380,022	131,848	126,216	6,664		2,378,991
13	371 Installation on Cust's Premises.....	230,470	4,657	52,891	1,187		181,049
14	373 Street Lighting and Signal Systems...	1,390,432	304,602	133,174	10,045		1,551,816
15	3** Telecommunications.....	7,200,019	308,864	227,287		693	7,282,289
16	TOTAL DISTRIBUTION PLANT	59,593,338	6,580,087	3,048,995	186,961	693	62,938,163
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	98,576					98,576
19	390 Structures and Improvements.....	2,677,552	28,042	136,762	2,910		2,565,923
20	391/391-01 Office Furn & Equip/Comp Equip	839,347	166,955	125,458	7,124		873,720
21	392 Transportation Equipment.....	265,461	54,853	133,684	0		186,630
22	393 Stores Equipment.....	36,881		6,611	679		29,591
23	394 Tools, Shop and Garage Equipment..	49,747		9,664	160		39,922
24	395 Laboratory Equipment.....	2,107		2,107			0
25	396 Power Operated Equipment.....	66,587		12,685	1,821		52,081
26	397 Communication Equipment.....	222,021		27,975	1,429		192,617
27	398 Miscellaneous Equipment.....	35,195		6,074	155		28,966
28	399 Other Tangible Property.....						
29	3** Telecommunications.....	474,549	358,751	142,092			691,209
30	TOTAL GENERAL PLANT	4,768,024	608,602	603,112	14,278	0	4,759,236
31	TOTAL ELECTRIC PLANT IN SERVICE	135,167,877	9,199,040	6,508,354	213,142	38,102	137,683,523
32	104 Utility Plant leased to Others.....						
33	105 Property Held for Future Use.....	0					0
34	107 Construction Work in Progress.....	2,540,579	7,547,757		7,176,413		2,911,923
	108 Accumulated Depreciation						
35	TOTAL UTILITY ELECTRIC PLANT	137,708,456	16,746,797	6,508,354	7,389,556	38,102	140,595,446

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			
			Oil BBL (c)	Oil Cost (d)	System Storage MMBTU (e)	System Storage Cost (f)
1	On Hand Beginning of Year.....	767,682	0	0	288,667	646,580
2	Received During Year.....	1,627,182	0	0	176,758	743,690
3	TOTAL	2,394,864	0	0	465,425	1,390,270
4	Used During Year (Note A).....	1,254,019			190,778	444,855
5	(Boiler Fuel)					
6						
7						
8						
9						
10						
11	Sold or Transferred.....	0				
12	TOTAL DISPOSED OF	1,254,019	0	0	190,778	444,855
13	BALANCE END OF YEAR	1,140,845	0	0	274,647	945,415

Line No.	Item (g)	KINDS OF FUEL AND OIL - continued			
		Propane GALS (h)	Propane Cost (i)	LNG GALS (j)	LNG Cost (k)
14	On Hand Beginning of Year.....	0	0	164,037	121,102
15	Received During Year.....	0	0	1,018,564	883,493
16	TOTAL	0	0	1,182,601	1,004,594
17	Used During Year (Note A).....	0	0	981,442	809,164
18	(Boiler Fuel)				
19					
20					
21					
22					
23					
24	Sold or Transferred.....				
25	TOTAL DISPOSED OF	0	0	981,442	809,164
26	BALANCE END OF YEAR	0	0	201,159	195,431

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

UTILITY PLANT - GAS

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Manufactured Gas Production						
7	304 Land and Land Rights.....	84,563					84,563
8	305 Structures and Improvements.....	132,188		4,523			127,666
9	306 Boiler Plant Equipment.....						
10	307 Other Power Plant Equipment.....	1,786		71			1,715
11	310 Water Gas Generating Equipment...						
12	311 Liquefied Petroleum Gas Equipment.....	(0)					(0)
13	312 Oil Gas Generating Equipment.....						
14	313 Generating Equipment - Other Processes.....						
15	315 Catalytic Cracking Equipment.....						
16	316 Other Reforming Equipment.....						
17	317 Purification Equipment.....						
18	318 Residual Refining Equipment.....						
19	319 Gas Mixing Equipment.....	213,741		20,963			192,778
20	320 Other Equipment.....	14,000		499			13,501
21	TOTAL MANUFACTURED GAS PRODUCTION PLANT	446,279	0	26,056	0	0	420,222
22	2. STORAGE PLANT						
23	360 Land and Land Rights.....						
24	361 Structures and Improvements.....	554,239	30,967	20,898			564,307
25	362 Gas Holders.....						
26	363 Other Equipment.....						
27	TOTAL STORAGE PLANT	554,239	30,967	20,898	0	0	564,307

UTILITY PLANT - GAS (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. TRANSMISSION AND DISTRIBUTION PLANT						
2	365.1 Land and Land Rights.....	92,538					92,538
3	365.2 Rights-Of-Way.....						
4	366 Structures and Improvements.....	10,041	23,870	1,626			32,286
5	367 Mains.....	8,855,875	2,629,128	696,520	534		10,787,949
6	368 Compressor Station Equipment.....	100,803		3,821			96,982
7	369 Measuring and Regulating Station Equipment.....	1,489,280	453,966	56,524			1,886,722
8	370 Communication Equip/Telemeter....	232,685		11,005			221,680
9	380 Services.....	12,979,101	1,472,819	610,999	97,760		13,743,161
10	381 Meters.....	2,535,242	55,007	143,065	3,192		2,443,992
11	382 Meter Installations.....	1,256		153			1,103
12	383 House Regulators.....						
13	386 Other Property on Cust's Prem.....						
14	387 Other Equipment.....	174		12			163
15	TOTAL TRANSMISSION AND DISTRIBUTION PLANT	26,296,996	4,634,790	1,523,723	101,486	0	29,306,576
16	5. GENERAL PLANT						
17	389 Land and Land Rights.....	59,754					59,754
18	390 Structures and Improvements.....	659,636		47,522	2,715		609,399
19	391/391-01 Office Furn & Equip/Comp Equip	478,467	87,056	64,594	1,547	1,083	500,465
20	392 Transportation Equipment.....	191,200	55,998	104,383			142,815
21	393 Stores Equipment.....	14,968		1,871			13,097
22	394 Tools, Shop and Garage Equipment	153,416	34,484	20,989			166,911
23	395 Laboratory Equipment.....						
24	396 Power Operated Equipment.....	6,311		902			5,409
25	397 Communication Equipment.....	125,904		22,760			103,144
26	398 Miscellaneous Equipment.....	8,044		1,000			7,044
27	399 Other Tangible Property.....						
28	TOTAL GENERAL PLANT	1,697,701	177,537	264,020	4,262	1,083	1,608,039
29	TOTAL GAS PLANT IN SERVICE	28,995,214	4,843,293	1,834,698	105,747	1,083	31,899,145
30	104 Utility Plant leased to Others.....						
31	105 Property Held for Future Use.....	0					0
32	107 Construction Work in Progress.....	1,032,050	4,469,297		4,843,202		658,145
33	108 Accumulated Depreciation						
33	TOTAL UTILITY GAS PLANT	30,027,264	9,312,590	1,834,698	4,948,950	1,083	32,557,289



MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Miscellaneous Income	589,166
2	O&M Contracts	570,895
3	Gain on Plant Retirements	0
4		
5		
6	TOTAL	1,160,061
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7	Loss on Plant Retirements	317,807
8	Boiler Demolition Expense	536,144
9	Other Deductions	0
10		
11	Const Services Monthly Fee	631,417
12		
13		
14	TOTAL	1,485,367
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
23	Pilot - City of Holyoke	480,724
24	Pilot - Others	794,657
25		
26		0
27		
28		
29		
30	TOTAL	1,275,381
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
31	Bond Principal Payments	0
32	Note Payable to City	0
33	Note Payable to Bank	0
34		
35		
36		
37		
38	TOTAL	0

MUNICIPAL REVENUE (Accounts 482, 444)  
(K.W.H. Sold under the Provisions of Chapter 269, Acts of 1927)

Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M.C.F. (\$0.0000) (d)
1	482	Municipal B	75,007	935,535	12.4726
2					
3					
4		TOTALS	75,007	935,535	12.4726
Line No.	Acct. No.	Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. (cents) (\$0.0000) (d)
5	444	Municipal: (Other Than Street Lighting)	18,700,467	2,496,220	0.1335
6					
7					
8		TOTALS	18,700,467	2,496,220	0.1335
9					
10		Street Lighting*	1,776,699	383,833	0.2160
11		TOTALS	1,776,699	383,833	0.2160
12					
13		*Includes material costs for new & replacement lighting over multiple year repayments			
14					
15					
16					
17					
18					
19		TOTALS	20,477,166	2,880,053	0.1406

PURCHASED POWER (Account 555)

Line No.	Names of Utilities from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. (cents) (\$0.0000) (e)
20		See pages 54 & 55			
21					
22					
23					
24					
25					
26					
27					
28					
29		TOTALS			

SALES FOR RESALE (Account 447)

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)	Revenues per K.W.H. (cents) (\$0.0000) (e)
30		See pages 52 & 53			
31					
32					
33					
34					
35					
36					
37		TOTALS			

## 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 number of meters, plus number of flat rate accounts, except that 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 of Commercial and Industrial Sales, Account 442, according to Small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales.....	15,359,646	52,804	110,165,047	1,483,794	14,976	19
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5...	26,504,004	849,636	211,006,235	9,303,208	2,287	28
5	Large (or Industrial) see instr. 5.....	4,946,765	(159,708)	47,035,796	(2,874,277)	22	(3)
6	444 Municipal Sales (pg 22).....	2,880,053	50,067	20,477,166	700,416	135	3
7	445 Other Sales to Public Authorities.....						
8	446 Sales to Railroads and Railways.....						
9	448 Interdepartmental Sales (484).....	307,660	39,874				
10	449 Miscellaneous Electric Sales.....	310,756	(222)	660,752	(12,218)	468	(7)
11	Total Sales to Ultimate Consumers	50,308,884	832,452	389,344,996	8,600,923	17,888	40
12	447 Sales for Resale.....	0	0	0	0	N/A	N/A
13	TOTAL SALES OF ELECTRICITY*	50,308,884	832,452	389,344,996	8,600,923	17,888	40
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts.....						
16	451 Miscellaneous Service Revenues.....	391,591	215,092				
17	453 Sales of Water and Water Power.....	6,300	0				
18	454 Rent from Electric Property.....	9,517	(57,559)				
19	455 Interdepartmental Rents.....						
20	456 Other Electric Revenues.....	5,426,158	872,109				
21	456 Steam Revenues.....						
22							
23	Miscellaneous Adjustments to Sales.....						
24							
25	Total Other Operating Revenues	5,833,566	1,029,642				
26	TOTAL ELECTRIC						
27	OPERATING REVENUES	56,142,450	1,862,094				

\*Includes revenues from application of fuel clauses 12,496,788.56

Total KWH to which applied 342,565,476

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(\$0.0000) (d)	Number of Customers (per Bills Rendered)		
						July 31 (e)	December 31 (f)	
1	440-00	Residential (ER)*	110,165,047	15,359,646	0.1394	14,961	14,954	
2	440-01	Residential - Off Peak						
3	440-02	Residential - General Service (EK)						
4	442-00	Commercial (EC)**	211,006,235	26,504,004	0.1256	2,288	2,294	
5	442-02	Commercial D						
6	442-03	Area Lighting (CL)	660,752	310,756	0.4703	468	467	
7	442-01	Industrial (LI, HW, SI)	47,035,796	4,946,765	0.1052	22	21	
8	444-00	Municipal Lighting (MC)	18,700,467	2,496,220	0.1335	132	135	
9	444-01	Street Lighting (SL)***	1,776,699	383,833	0.2160	1	1	
10	484-00	Interdepartmental Sales		307,660				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30		*Total number of Residential customers, when including multiple units per meter, is 18,072 for year end.						
31								
32								
33		**27,639,724 kwh of 211,006,235 kwh is Residential Multidwelling. Total Residential kwh sales is 137,804,771 kwh						
34								
35								
36		***Includes material costs for new & replacement lighting over multiple year repayments						
37								
38								
39								
40								
41	TOTAL SALES TO ULTIMATE CONSUMERS							
42	( Page 37 Line 11 )			389,344,996	50,308,884	0.1292	17,872	17,872

## 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 divided 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 EXPENSE		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering.....	52,326	(6,990)
5	501 Fuel.....		
6	502 Steam expense.....	0	0
7	503 Steam from other sources.....		
8	504 Steam transferred -- Cr.....		
9	505 Electric expenses.....		
10	506 Miscellaneous steam power expenses - Water for Steam (30-502-01).....		
11	507 Rents.....		
12	Total Operation	52,326	(6,990)
13	Maintenance:		
14	510 Maintenance supervision and engineering.....	2,501	(2,418)
15	511 Maintenance of structures.....		
16	512 Maintenance of boiler plant (50-501-04).....		
17	513 Maintenance of electric plant.....		
18	514 Maintenance of miscellaneous steam plant (456).....		
19	Telecom.....	0	0
20	Total Maintenance	2,501	(2,418)
21	TOTAL STEAM POWER GENERATION	54,827	(9,408)
22	NUCLEAR POWER GENERATION		
23	Operation:		
24	517 Operation supervision and engineering.....		
25	518 Fuel.....		
26	519 Coolants and water.....		
27	520 Steam expense.....		
28	521 Steam from other sources.....		
29	522 Steam transferred - Cr.....		
30	523 Electric expenses.....		
31	524 Miscellaneous nuclear power expenses.....		
32	525 Rents.....		
33	Total Operation	0	0
34	Maintenance:		
35	528 Maintenance supervision and engineering.....		
36	529 Maintenance of structures.....		
37	530 Maintenance of reactor plant equipment.....		
38	531 Maintenance of electric plant.....		
39	532 Maintenance of miscellaneous nuclear plant.....		
40	Total Maintenance	0	0
41	TOTAL NUCLEAR POWER GENERATION	0	0
42	HYDRAULIC POWER GENERATION		
43	Operation:		
44	535 Operation supervision and engineering.....	1,050,142	(65)
45	536 Water for power/Fuel.....	430,269	55,521
46	537 Hydraulic expenses.....	461,045	106,060
47	538 Electric expenses.....	0	
48	539 Miscellaneous hydraulic power generation expenses.....	447,104	23,922
49	540 Rents.....	0	0
50	Total Operation	2,388,561	185,438

## 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.....	501,632	(14,166)
4	542 Maintenance of Structures.....	40,187	15,065
5	543 Maintenance of Reservoirs, Dams and Waterways.....	2,240,274	1,501,739
6	544 Maintenance of Electric Plant.....	112	(600)
7	545 Maintenance of Miscellaneous Hydraulic Plant.....	1,695,732	(61,311)
8	Total Maintenance	4,477,937	1,440,727
9	TOTAL HYDRAULIC POWER GENERATION	6,866,498	1,626,165
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation	0	0
18	Maintenance:		
19	551 Maintenance Supervision and Engineering.....		
20	552 Maintenance of Structure.....		
21	553 Maintenance of Generating and Electric Plant.....		
22	554 Maintenance of Miscellaneous Other Power Generation Plant.....		
23	Total Maintenance	0	0
24	TOTAL OTHER POWER GENERATION	0	0
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power.....	15,836,389	3,195,789
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	1,198,201	135,795
29	TOTAL OTHER POWER SUPPLY EXPENSES	17,034,590	3,331,583
30	TOTAL POWER PRODUCTION EXPENSES	23,955,915	4,948,340
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation Supervision and Engineering.....	733,330	(20,972)
34	561 Load Dispatching.....	0	
35	562 Station Expenses.....	139,736	(12,175)
36	563 Overhead Line Expenses.....	0	
37	564 Underground Line Expenses.....		
38	565 Transmission of Electricity by Others.....	3,347,005	534,270
39	566 Miscellaneous Transmission Expenses.....	23,358	(3,638)
40	567 Rents.....		
41	Total Operation	4,243,428	497,485
42	Maintenance:		
43	568 Maintenance Supervision and Engineering.....	33,281	15,125
44	569 Maintenance of Structures.....		
45	570 Maintenance of Station Equipment.....	515,817	140,828
46	571 Maintenance of Overhead Lines.....	140,532	(56,894)
47	572 Maintenance of Underground Lines.....		
48	573 Maintenance of Miscellaneous Transmission Plant.....		
49	Total Maintenance	689,630	99,059
50	TOTAL TRANSMISSION EXPENSES	4,933,057	596,544

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Preceding Year 12/31/21
1	<b>DISTRIBUTION EXPENSES</b>			
2	Operation:			
3	580 Operation Supervision and Engineering.....	939,473	42,063	897,410
4	581 Load Dispatching.....			
5	582 Station Expenses.....	153,647	35,325	118,323
6	583 Overhead Line Expenses.....	0	0	0
7	584 Underground Line Expenses.....	0		0
8	585 Street Lighting and Signal System Expenses (852 Communications).....	73,314	(16,181)	89,495
9	586 Meter Expenses.....	196,330	41,291	155,039
10	587 Customer Installations Expenses.....	383,082	(115,698)	498,780
11	588 Miscellaneous Distribution Expenses (163's incl).....	632,096	82,531	549,565
12	589 Rents.....			
13	Telecom (163 & 852 incl).....	1,750,822	89,613	1,661,208
14	<b>Total Operation</b>	<b>4,128,763</b>	<b>158,943</b>	<b>3,969,820</b>
15	Maintenance:			
16	590 Maintenance supervision and engineering.....	243,388	71,016	172,372
17	591 Maintenance of Structures.....			0
18	592 Maintenance of Station Equipment.....	88,206	(6,980)	95,187
19	593 Maintenance of Overhead Lines.....	3,612,745	1,119,604	2,493,140
20	594 Maintenance of Underground Lines.....	1,301,851	143,933	1,157,917
21	595 Maintenance of Line Transformers.....	841	(120)	961
22	596 Maintenance of Street Lighting and Signal Systems.....	111,351	47,713	63,638
23	597 Maintenance of Meters.....	13,064	7,814	5,249
24	598 Maintenance of Miscellaneous Distribution Plant.....	8,740	1,890	6,851
25	Telecom.....	73,257	(32,506)	105,763
26	<b>Total Maintenance</b>	<b>5,453,443</b>	<b>1,352,364</b>	<b>4,101,079</b>
27	<b>TOTAL DISTRIBUTION EXPENSES</b>	<b>9,582,206</b>	<b>1,511,307</b>	<b>8,070,899</b>
28	<b>CUSTOMER ACCOUNTS EXPENSES</b>			
29	Operation:			
30	901 Supervision.....			
31	902 Meter Reading Expenses.....	110,463	(6,706)	117,169
32	903 Customer Records and Collection Expenses.....	492,178	67,363	424,814
33	904 Uncollectable Accounts.....	182,937	(87,462)	270,399
34	Telecom.....	859	(1,965)	2,824
35	<b>TOTAL CUSTOMER ACCOUNTS EXPENSES</b>	<b>786,437</b>	<b>(28,769)</b>	<b>815,206</b>
36	<b>SALES EXPENSES</b>			
37	Operation:			
38	911 Supervision.....			
39	912 Demonstrating and Selling Expenses.....	100,214	15,320	84,895
40	913 Advertising Expenses.....	41,280	16,766	24,514
41	Telecom.....	183,880	(35,364)	219,244
42	<b>TOTAL SALES EXPENSES</b>	<b>325,375</b>	<b>(3,278)</b>	<b>328,653</b>
43	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>			
44	Operation:			
45	920 Administrative and General Salaries.....	1,271,313	7,123	1,264,190
46	921 Office Supplies and Expenses.....	763,548	52,642	710,906
47	922 Administrative Expenses Transferred - Cr.....			
48	923 Outside Services Employed.....	320,222	(102,549)	422,771
49	924 Property Insurance.....	650,558	87,069	563,489
50	925 Injuries and Damages.....	29,282	31,525	(2,244)
51	926 Employees Pensions and Benefits.....	1,838,991	(753,754)	2,592,745
52	928 Regulatory Commission Expenses.....			
53	929 Duplicate Charges - Cr.....	0		
54	930 Miscellaneous General Expenses.....	875,978	93,836	782,142
55	931 Rents.....			
56	Telecom.....	289,447	(68,198)	357,644
57	<b>Total Operation</b>	<b>6,039,337</b>	<b>(652,306)</b>	<b>6,691,643</b>

Line 51 consists of employee benefits related to the pension plan, health insurance, life insurance, other post employment benefits (OPEB) and other miscellaneous benefits such as educational assistance. The portion of line 51 that pertains to OPEB is \$326,197

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 - CONTINUED		
2	Maintenance:		
3	932 Maintenance of General Plant.....	448,150	170,825
4	933 Transportation expense.....		
5	Telecom.....	38,432	12,190
6	Total Maintenance	486,582	183,016
7	TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	6,525,919	(469,291)
8	TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	46,108,909	6,554,853

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
9	Power Production Expenses			
10	Electric Generation			
11	Steam Power.....	52,326	2,501	54,827
12	Nuclear Power.....	0	0	0
13	Hydraulic Power.....	2,388,561	4,477,937	6,866,498
14	Other Power.....	0	0	0
15	Other Power Supply Expenses.....	17,034,590	0	17,034,590
16	Total Power Production Expenses	19,475,477	4,480,438	23,955,915
17	Transmission Expenses.....	4,243,428	689,630	4,933,057
18	Distribution Expenses.....	4,128,763	5,453,443	9,582,206
19	Customer Accounts Expenses.....	786,437	0	786,437
20	Sales Expenses.....	325,375	0	325,375
21	Administrative and General Expenses.....	6,039,337	486,582	6,525,919
22				
23	TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	34,998,816	11,110,092	46,108,909

24	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 23 (d), Depreciation (Acct 403) and Amortization (Acct 407), (Page 13)	93.72%
25	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts (Telecom portion of wages is \$1,122,985)	12,389,106
26	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	94.0



GAS 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 number of meters, plus number of flat rate accounts, except that 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 of Commercial and Industrial Sales, Account 481, according to Small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent.

Line No.	Account (a)	Operating Revenues		MCF Sold (1000 BTU)		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF GAS						
2	480 Residential Sales.....	12,238,475	2,177,701	780,174.0	30,800.3	10,276	(62)
3	481 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5...	8,217,717	1,534,869	623,905.0	26,984.9	1,273	(8)
5	Large (or Industrial) see instr. 5.....	5,999,346	2,007,295	596,562.0	47,608.8	21	0
6	482 Municipal Sales (pg 22).....	935,535	228,648	75,007.0	7,659.0	43	0
7	483 Other Sales (481) Interruptible.....	1,000,987	181,796	84,106.0	(711.9)	20	(1)
8	485 Miscellaneous Gas Sales (484).....	73,202	25,011	15,342.8	765.4	20	0
9							
10							
11	Total Sales to Ultimate Consumers	28,465,262	6,155,320	2,175,096.8	113,106.5	11,653	(71)
12	483 Sales for Resale.....	0	0		0.0	N/A	N/A
13	TOTAL SALES OF GAS*	28,465,262	6,155,320	2,175,096.8	113,106.5	11,653	(71)
14	OTHER OPERATING REVENUES						
15	487 Forfeited Discounts.....						
16	488 Miscellaneous Service Revenues.....	39,064	(3,279)				
17	489 Revenue from Trans of Gas of Others						
18	490 Sales of Prod Extracted from Nat Gas						
19	491 Revenue from Nat Gas Proc by Others						
20	493 Rent from Gas Property.....	2,534	1,199				
21	494 Interdepartmental Rents.....						
22	495 Other Gas Revenue.....	668,010	139,837				
23							
24							
25	Total Other Operating Revenues	709,608	137,757				
26	TOTAL GAS						
27	OPERATING REVENUES	29,174,870	9,771,317				
			Purchased Price Adjustment Clauses	Fuel Clauses			
	*Includes revenue from application of.....			12,708,076			
	Total MCF to Which Applied			2,090,990.8			

SALES OF GAS TO ULTIMATE CONSUMERS

Report by account number the M.C.F. 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)	M.C.F. (1000 BTU) (b)	Revenue (c)	Average Revenue per M.C.F. (cents) *(\$0.0000) (d)	Number of Customers (per Bills Rendered)	
						July 31 (e)	December 31 (f)
1	480-00	Residential	780,174	12,238,475	15.6869	10,264	10,235
2	481-01	Commercial	623,905	8,217,717	13.1714	1,271	1,279
3	481-03	Industrial	596,562	5,999,346	10.0565	21	22
4	481-04	Interruptible	84,106	1,000,987	11.9015	14	26
5	482-01	Municipal	75,007	935,535	12.4726	43	43
6	484-00	Interdepartmental Sales	15,343	73,202	4.7711	24	24
7							
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40							
41	TOTAL SALES TO UTIMATE CONSUMERS						
42	( Page 43 Line 11 )		2,175,097	28,465,262	13.0869	11,637	11,629

GAS 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 divided from previously reported figures explain in footnote.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	PRODUCTION EXPENSES		
2	MANUFACTURED GAS PRODUCTION EXPENSES		
3	STEAM PRODUCTION		
4	Operation:		
5	700 Operation supervision and engineering.....		
6	701 Operation Labor.....		
7	702 Boiler Fuel.....	None	None
8	703 Miscellaneous steam expenses.....		
9	704 Steam transferred - Cr.....		
10	Total Operation	0	0
11	Maintenance:		
12	705 Maintenance supervision and engineering.....		
13	706 Maintenance of structures and improvements.....	None	None
14	707 Maintenance of boiler plant equipment.....		
15	708 Maintenance of other steam production plant.....		
16	Total Maintenance	0	0
17	TOTAL STEAM PRODUCTION	0	0
18	MANUFACTURED GAS PRODUCTION		
19	Operation:		
20	710 Operation supervision and engineering.....		
21	Production labor and expenses:		
22	711 Steam Expenses.....		
23	712 Other Power Expenses.....		
24	715 Water gas generating expenses.....		
25	716 Oil gas generating expenses.....		
26	717 Liquefied petroleum gas expenses.....		
27	718 Other process production expenses.....		
28	Gas fuels:		
29	721 Water gas generator fuels.....		
30	722 Fuel for oil gas.....	None	None
31	723 Fuel for liquefied petroleum gas process.....		
32	724 Other gas fuels.....		
33	Gas Raw Materials:		
34	726 Oil for water gas.....		
35	727 Oil for gas.....		
36	728 Liquefied petroleum gas.....		
37	729 Raw materials for other gas processes.....		
38	730 Residuals expenses.....		
39	731 Residuals produced - Cr.....		
40	732 Purification expenses.....		
41	733 Gas mixing expenses.....		
42	734 Duplicate charges - Cr.....		
43	735 Miscellaneous production expenses.....		
44	736 Rents.....		
45	Total Operation	0	0
46	Maintenance:		
47	740 Maintenance supervision and engineering.....		
48	741 Maintenance of structures and improvements.....	None	None
49	742 Maintenance of production equipment.....		
50	Total Maintenance	0	0
51	TOTAL MANUFACTURED GAS PRODUCTION	0	0

## GAS OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OTHER GAS SUPPLY EXPENSES		
2	Operation:		
3	804 Natural gas city gate purchases.....	14,394,235	5,166,784
4	805 Other gas purchases.....	809,164	362,300
5	806 Exchange gas.....		
6	807 Purchased gas expense.....		
7	810 Gas used for compressor station fuel - Cr.....		
8	811 Gas used for products extraction - Cr.....		
9	812 Gas used for other utility operation - Cr.....	(14,044)	(5,633)
10	813 Other gas supply expenses.....	206,594	25,323
11	TOTAL GAS SUPPLY EXPENSES	15,395,949	5,548,774
12	TOTAL PRODUCTION EXPENSES	15,395,949	5,548,774
13	LOCAL STORAGE EXPENSES		
14	Operation:		
15	840 Operation supervision and engineering.....		
16	841 Operation labor and expenses.....		
17	842 Rents.....		
18	Total Operation	0	0
19	Maintenance:		
20	843 Maintenance supervision and engineering.....		
21	844 Maintenance of structures and improvements.....		
22	845 Maintenance of gas holders.....		
23	846 Maintenance of other equipment.....	0	0
24	Total Maintenance	0	0
25	TOTAL STORAGE EXPENSES	0	0
26	TRANSMISSION AND DISTRIBUTION EXPENSES		
27	Operation:		
28	850 Operation supervision and engineering.....	477,089	43,659
29	851 System control and load dispatching.....	238,619	6,070
30	852 Communication system expenses.....	199,512	(3,221)
31	853 Compressor station labor and expenses.....	472,286	(8,789)
32	855 Fuel and power for compressor station.....		
33	857 Measuring and regulating station expenses.....	113,349	32,348
34	858 Transmission and compression of gas by others.....		
35	874 Mains and services expenses.....		
36	878 Meter and house regulator expenses (incl 10-866-00).....	255,853	98,849
37	879 Customer installation expenses.....	616,268	(9,225)
38	880 Other expenses (10-814-00 & 163 & 888-02).....	220,935	22,282
39	881 Rents.....		
40	Total Operation	2,593,910	181,971
41	Maintenance:		
42	885 Maintenance supervision and engineering.....		
43	886 Maintenance of structures and improvements.....		
44	887 Maintenance of mains.....	970,634	(188,801)
45	888 Maintenance of compressor station equipment.....	246,461	10,995
46	889 Maintenance of measuring and regulating station equipment.....		
47	892 Maintenance of services.....	608,566	(2,845)
48	893 Maintenance of meters and house regulators.....	287,787	(9,727)
49	894 Maintenance of other equipment (10-853-01,03).....	145,854	52,496
50	Total Maintenance	2,259,302	(137,883)
51	TOTAL TRANSMISSION AND DISTRIBUTION EXPENSES	4,853,212	44,088

## GAS OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	CUSTOMER ACCOUNTS EXPENSES		
2	Operation:		
3	901 Supervision.....		
4	902 Meter reading expenses.....	53,876	(5,636)
5	903 Customer records and collection expenses.....	256,838	21,827
6	904 Uncollectible accounts.....	89,612	(30,906)
7	905 Miscellaneous customer accounts expenses.....		
8	TOTAL CUSTOMER ACCOUNTS EXPENSES	400,326	(14,716)
9	SALES EXPENSES		
10	Operation:		
11	911 Supervision.....		
12	912 Demonstrating and selling expenses.....	53,962	8,249
13	913 Advertising expenses.....	13,679	3,377
14	916 Miscellaneous sales expenses.....		
15	TOTAL SALES EXPENSES	67,640	11,626
16	ADMINISTRATIVE AND GENERAL EXPENSES		
17	Operation:		
18	920 Administrative and general salaries.....	767,824	(12,090)
19	921 Office supplies and expenses.....	291,529	(12,919)
20	922 Administrative expenses transferred - Cr.....		
21	923 Outside services employed.....	168,148	17,293
22	924 Property insurance.....	141,300	6,586
23	925 Injuries and damages.....	(7,239)	(7,445)
24	926 Employees pension and benefits.....	963,816	(324,137)
25	928 Regulatory commission expenses.....		
26	929 Duplicate charges - Cr.....		
27	930 Miscellaneous general expenses.....	376,606	84,741
28	931 Rents.....		
29	Total Operation	2,701,983	(247,971)
30	Maintenance:		
31	932 Maintenance of general plant.....	192,892	27,496
32	TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	2,894,874	(220,475)
33	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	23,612,001	5,369,298

## SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
34	Steam production.....	0	0	0
35	Manufactured gas production.....	0	0	0
36	Other gas supply expenses.....	15,395,949	0	15,395,949
37	Total Production Expenses	15,395,949	0	15,395,949
38	Local storage expenses.....	0	0	0
39	Transmission and distribution expenses.....	2,593,910	2,259,302	4,853,212
40	Customer accounts expenses.....	400,326	0	400,326
41	Sales Expenses.....	67,640	0	67,640
42	Administrative and General Expenses.....	2,701,983	192,892	2,894,874
43	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	21,159,807	2,452,194	23,612,001
44	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 47, Line 43 (d), Depreciation (Acct 403) and Amortization (Acct 407), (Page 13)			87.22%
45	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts			5,307,980
46	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part time employees)			43.0

If gas is purchased or sold at two or more different rates, the amounts at each rate should be shown in the following tables.

SALES FOR RESALE (Account 483)

Line No.	Names of Companies to which Gas is Sold (a)	Where Delivered and Where and How Measured (b)	M.C.F. (1000 BTU) (c)	Rate per M.C.F. (\$0.0000) (d)	Amount (e)
1					0
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13		TOTALS	0	0.0000	0

SALES OF RESIDUALS (Accounts 730, 731)

State the revenues and expenses of the respondent resulting from the sale of residuals.

Line No.	Kind (a)	Revenue (b)	Inventory Cost (c)	Labor, Handling, Selling, Etc. (d)	Total Cost (e)	Net Revenue (f)	Net Revenue (g)
14							
15							
16							
17				NONE			
18							
19							
20							
21	TOTALS	0	0	0	0	0	0

PURCHASED GAS (Accounts 804-806)

Line No.	Name of Companies from which Gas is Purchased (a)	Where Received and Where and How Measured (b)	M.C.F. (1000 BTU) (c)	Rate per M.C.F. (\$0.0000) (d)	Amount (e)
22	Con Ed Energy Delivered Direct	TGP Zones 0,1,4,6	1,935,590	\$ 5.68	\$ 11,002,470
23	Con Ed Storage Withdrawals		190,787	\$ 2.33	\$ 444,855
24	Pipeline Variable Char. - Tennessee Gas	Pipeline			\$ 15,391
25					
26	LNG Supplier Var. Charges - all suppliers	Holyoke, MA	85,533	\$ 9.46	\$ 809,164
27	Berkshire Gas Company	Holyoke, MA	0		\$ -
28	Columbia Gas of MA	Holyoke, MA	0		\$ -
29					
30	Other Supplier and Transportation Charge				
31					
32	LNG Supplier Fix. Charges - all suppliers: GDF Suez / DOMAC / Engie	Holyoke, MA		\$ 7.96	\$ 680,938
33	UGI Energy Service Energir / Gaz Metro				
34	Pipeline Fixed Charges - Tennessee Gas	Pipeline			\$ 2,250,581
35					
36	TOTALS		2,211,910	6.8734	15,203,399

TAXES CHARGED DURING 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 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 readily be 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 appropriate balance sheet plant account or subaccount.
5. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis or 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)	Distribution of Taxes Charged (omit cents)							
			(Show utility department where applicable and account charged)							
			Electric (Acct. 408, 409) (c)	Gas (Acct. 408,409) (d)	(e)	(f)	(g)	(h)	(l)	(j)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28	TOTAL	0	0	0	0	0	0	0	0	0

N/A

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS	0	0	0	0



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

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

Line No.	Item (a)	Electric Department (c)	Gas Department (d)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandising sales, less discounts,				
3	allowances and returns.....	0	118,606		118,606
4	Contract Work.....				
5	Commissions.....				
6	Other (List according to major classes)....				
7					
8					
9					
10	Total Revenues	0	118,606	0	118,606
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....	1,087	89,936		91,023
16					
17	Labor				
18	Materials				
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				0
27	Customer accounts expenses.....				0
28	Administrative and general expenses.....				0
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47	TOTAL COSTS AND EXPENSES	1,087	89,936	0	91,023
48	Net Profit (or Loss)	(1,087)	28,670	0	27,583

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. and place an "x" in column (c) if sale involves export across a state line.
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, 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 (Specify which)		
						(f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

N/A

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 sale may be grouped.

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per kwh (cents) (0.0000) (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
								36
	TOTALS	0	0	0	0	0	0.0000	37



PURCHASED POWER (Account 555) - Continued  
(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS. 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 (l) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).
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 column (g) 6. The number of kilowatt hours purchased should be the quantities shown by the power bills.
7. Explain any amount entered in column (n) such as fuel or other adjustments.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cost per KWH (Cents) (0.0000) (p)	Line No.	
			Charges (l)	Energy Charges (m)	Other Charges (n)***	Total (o)			
60 Min.	115kv	15,161,626	126,733	96,256	559,323	782,312	5.1598	1	
60 Min.	115kv	171,370	104,342	42,735	4,811	151,888	88.6316	2	
60 Min.	115kv	33,818,850	747,149	154,864	2,454	904,467	2.6744	3	
60 Min.	115kv	28,858,983	957,937	179,300	43,905	1,181,142	4.0928	4	
60 Min.	115kv	34,612,000		1,341,433		1,341,433	3.8756	5	
60 Min.	115kv	40,800,000		2,024,496		2,024,496	4.9620	6	
60 Min.	115kv	5,860,000		238,150		238,150	4.0640	7	
60 Min.	115kv		(70,371)		9,535	(60,836)		8	
60 Min.	115kv				2,654,138	2,654,138		9	
60 Min.	115kv		(142,874)		68,232	(74,642)		10	
60 Min.	115kv				4,607	4,607		11	
60 Min.	115kv	7,262,810	499,013	646,404		1,145,417	15.7710	12	
60 Min.	115kv	14,846,560		669,993		669,993	4.5128	13	
60 Min.	115kv	23,652,000		910,602		910,602	3.8500	14	
								15	
								16	
								17	
								18	
								19	
								20	
								21	
								22	
								23	
								24	
								25	
								26	
								27	
								28	
								29	
								30	
***includes transmission charges								31	
								32	
								33	
								34	
								35	
								36	
								37	
		TOTALS	205,044,199	2,221,929	6,304,233	3,347,005	11,873,167	5.7905	

## 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)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX		Holyoke, MA	115kv	393,691,168	389,270,276	4,420,892	140,586
2	ICAP Sales		Holyoke, MA	115kv				1,829,543
3	Aubin Prop (c/o Open Square)					1,421,019	(1,421,019)	56,759
4	Solar Constellation					5,423,380	(5,423,380)	347,139
5	Solar Citizens					1,116,711	(1,116,711)	60,700
6	Solar RICAR					1,144,246	(1,144,246)	70,714
7	Solar Mt. Tom					6,781,370	(6,781,370)	326,184
8	Solar ReneSola Dinn					824,359	(824,359)	31,561
9	Solar ReneSola Kelly					749,672	(749,672)	44,006
10	Solar AEGIS					1,278,940	(1,278,940)	66,633
11	Solar Hadley Mills					509,779	(509,779)	29,771
12	Solar Gary Rome					1,068,046	(1,068,046)	52,334
13	Solar Conklin					912,275	(912,275)	58,650
14	Solar Riverside A-B					201,805	(201,805)	11,402
15	Solar Walnut Street					102,074	(102,074)	5,645
16	Solar Jackson					164,737	(164,737)	9,110
17	Solar Boys & Girls Club					219,953	(219,953)	12,163
18	Solar Kelly Way 2					747,802	(747,802)	34,922
19	Solar YMCA					149,159	(149,159)	8,248
20	Solar Resident & Commercial					105,294	(105,294)	6,844
21	Hydro					5,209,432	(5,209,432)	0
22	Nat Gas Generator (Cabot St)					22,261	(22,261)	2,081
23	Diesel Generators					178,746	(178,746)	260,221
24	Mt. Tom Battery					(222,724)	222,724	355,023
25	Citizens Battery					(77,289)	77,289	(9,042)
26	ESG-H1					3,436,435	(3,436,435)	238,931
27	SWSC (c/o Cobble Mt)*		Westfield, MA	69kv		7,262,810	(7,262,810)	1,092,060
28	*This Purchased Power generation's costs are netted in a Miscellaneous Income Account 0040-CM-421-421-00-4							
29				TOTALS	393,691,168	428,000,568	(34,309,400)	5,142,188

## B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
30	NEPEX	Nepool Expenses	645,156
31	NEPEX	NEPEX Interchange	1,324,973
32	Aubin Prop (c/o Open Square)	Non Utility Generator	56,759
33	Solar Constellation	Non Utility Generator	347,139
34	Solar Citizens	Non Utility Generator	60,700
35	Solar RICAR	Non Utility Generator	70,714
36	Solar Mt. Tom	Non Utility Generator	326,184
37	Solar ReneSola Dinn	Non Utility Generator	31,561
38	Solar ReneSola Kelly	Non Utility Generator	44,006
39	Solar AEGIS	Non Utility Generator	66,633
40	Solar Hadley Mills	Non Utility Generator	29,771
41	Solar Gary Rome	Non Utility Generator	52,334
42	Solar Conklin	Non Utility Generator	58,650
43	Solar Riverside A-B	Non Utility Generator	11,402
44	Solar Walnut Street	Non Utility Generator	5,645
45	Solar Jackson	Non Utility Generator	9,110
46	Solar Boys & Girls Club	Non Utility Generator	12,163
47	Solar Kelly Way 2	Non Utility Generator	34,922
48	Solar YMCA	Non Utility Generator	8,248
49	Solar Resident & Commercial	Non Utility Generator	6,844
50	Hydro	Load Reducer	0
51	Nat Gas Generator (Cabot St)	Load Reducer	2,081
52	Diesel Generators	Load Reducer	260,221
53	Mt. Tom Battery	Non Utility Generator	355,023
54	Citizens Battery	Non Utility Generator	(9,042)
55	ESG-H1	Load Reducer	238,931
56	SWSC (c/o Cobble Mt)*	Non Utility Market Generator	1,092,060
57		TOTALS	5,142,188

**ELECTRIC ENERGY ACCOUNT**

Report below the information called for concerning the disposition of electric energy generated, purchased, and interchanged during the year.

Line No.	Item (a)		Kilowatt-hours (b)
1	<b>SOURCES OF ENERGY</b>		
2	Generation (excluding station use):		
3	Steam.....		0
4	Nuclear.....		
5	Hydro.....		203,948,328
6	Other.....		
7		Total Generation	203,948,328
8	Purchases.....		205,044,199
9		In (gross) .....	393,691,168
10	Interchanges.....	Out (gross) .....	428,000,568
11		Net (Kwh).....	(34,309,400)
12		Received.....	
13	Transmission for/by others (wheeling).....	Delivered.....	
14		Net (kwh).....	
15		TOTAL	374,683,127
16	<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales).....		389,344,996
18	Sales for resale.....		0
19	Energy furnished without charge.....		737,215
20	Energy used by the company (excluding station use).....		2,683,995
21	Electric department only.....		(31,467,482)
22	Energy losses:		
23	Transmission and conversion losses.....		
24	Distribution losses.....	13,371,814	
25	Unaccounted for losses.....		
26		Total Energy Losses	13,384,403
27	Energy losses as percent of total on line 15.....	3.57%	
28		TOTAL	374,683,127

**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 purchases plus or minus net interchange, minus temp. 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.

Line No.	Month (a)	MONTHLY PEAK					Monthly Output (kwh) (See Inst 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	60,665	Tues	11	20:00	60 Min	36,435,176
30	February	56,975	Mon	1	9:00	60 Min	30,842,504
31	March	56,881	Tues	9	17:00	60 Min	30,473,403
32	April	48,060	Fri	12	11:00	60 Min	26,219,650
33	May	62,014	Wed	31	17:00	60 Min	28,355,805
34	June	56,608	Tues	27	13:00	60 Min	30,326,240
35	July	69,784	Tues	21	14:00	60 Min	36,617,030
36	August	71,609	Fri	8	16:00	60 Min	37,365,477
37	September	54,911	Wed	4	17:00	60 Min	28,545,400
38	October	49,164	Tues	26	15:00	60 Min	27,557,060
39	November	52,292	Tues	16	11:00	60 Min	29,458,840
40	December	54,105	Thur	12	11:00	60 Min	32,473,953
41						TOTAL	374,670,538

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

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)
2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.
4. If peak demand for 60 minutes is not available, give that which is available, specifying period.
5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.
6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.
7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense accounts 301 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine).....	Cabot STEAM		Hadley Falls 1 & 2 HYDRO
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.).....	Conventional		Conventional
3	Year originally constructed.....	1902		1954
4	Year last unit was installed.....	1961		1984
5	Total installed capacity (maximum generator name plate ratings in kw).....	7,500		33,400
6	Net peak demand on plant-kilowatts (60 min.).....	7,500		33,400
7	Plant hours connected to load.....	0		7,159
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water.....	7,500		
10	(b) When limited by condenser water.....	0		
11	Average number of employees.....	0		26
12	Net generation, exclusive of station use.....			164,021,390
13	Cost of plant (omit cents):			
14	Land and land rights.....	0		604,724
15	Structures and improvements.....	1,052,188		17,537,799
16	Reservoirs, dams, and waterways.....			15,517,500
17	Equipment costs.....	33,442		26,895,737
18	Roads, railroads, and bridges.....	0		36,375
19	Total Cost	1,085,630		60,592,136
20	Cost per kw of installed capacity	145		1,814
21	Production expenses:			
22	Operation supervision and engineering.....	52,326		724,598
23	Station labor.....			
24	Fuel.....	0		923,509
25	Supplies and expenses, including water.....	0		
26	Maintenance.....	2,501		4,485,137
27	Rents.....			0
28	Steam from other sources.....			
29	Steam transferred -- Credit.....	0		
30	Total Production Expenses	54,827		6,133,244
31	Expenses per net Kwh (5 places)	N/A		0.03739
32	Fuel: Kind.....	OIL	GAS	
33	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate).....	Barrels	MCF	
34	Quantity (units) of fuel consumed.....			
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas).....			
36	Average cost of fuel per unit, del. f.o.b. plant.....			
37	Average cost of fuel per unit consumed.....			
38	Average cost of fuel consumed per million B.t.u.....			
39	Average cost of fuel consumed per kwh net gen.....			
40	Average B.t.u. per kwh net generation.....			



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

547 as shown on Line 24.

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

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 (l)	Plant (j)	Line No.
						1
						2
						3
						4
						5
			N/A			6
						7
						8
						9
						10
						11
						12
						13
						14
						15
						16
						17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37
						38
						39
						40

STEAM GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at the end of year.
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 the name of

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

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1				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							
29							

STEAM GENERATING STATIONS -- Continued

expenses or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

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

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

Turbine-Generators\*

Year Installed (h)	Type+ (l)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure++		Power Factor (p)	Voltage K.v.+++ (q)	Station Capacity Maximum Name Plate Rating++++ (r)	Line No.	
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)					
												2
												3
												4
												5
												6
												7
												8
												9
												10
												11
												12
												13
												14
					N/A							15
												16
												17
												18
												19
												20
												21
												22
												23
												24
												25
												26
												27
												28
					TOTALS							29

## HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, 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 and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location of Station (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1	#1 Holyoke/Cabot	Electric Station	Connecticut River	Unattended	Vertical Francis	1923	20 Ft.
2	Unit #1	Cabot Street	via Canal System				
3	Unit #2						
4	Unit #3						
5	Unit #4						
6							
7	#2 Holyoke/Cabot	Sargeant Street	Connecticut River	Unattended	Vertical Kaplan	1938	20 Ft.
8			via Canal System				
9							
10	Hadley Falls	Gatehouse Road	Connecticut River	Attended	Vertical Kaplan	1954	50 Ft.
11	Unit #1						
12	Unit #2				Fixed Propeller	1984	50 Ft.
13							
14							
15							
16							
17							
18	Boatlock	Gatehouse Road	Connecticut River	Unattended	Vertical Kaplan	2010	20 Ft.
19	Unit #1		via Canal System				
20	Unit #2						
21	Unit #3				Vertical Francis	1924	20 Ft.
22							
23	Skinner	Appleton Street	Connecticut River	Unattended	Vertical Francis	1924	20 Ft.
24			via Canal System				
25							
26	Chemical	South Water Street	Connecticut River	Unattended	Vertical Kaplan	1935	22 Ft.
27	Unit #1		via Canal System				
28	Unit #2				Vertical Kaplan	1935	22 Ft.
29							
30	Riverside 4-7	Water Street	Connecticut River	Unattended	Horizontal Francis	1921	33 Ft.
31	Unit #4		via Canal System				
32	Unit #5						
33	Unit #7				Vertical Francis	1921	33 Ft.
34							
35	Riverside 8	Water Street	Connecticut River	Unattended	Fixed Propeller	1931	33 Ft.
36			via Canal System				
37							
38							

\* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).

HYDROELECTRIC GENERATING STATIONS -- Continued

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

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

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.

Water Wheels -- Continued					Generators				Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.	
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)			
19'	200	322 HP	1923	4,800	3	60 cy	288	4	1,056	1	
19'	200	322 HP	1923	4,800	3	60 cy	240			2	
19'	180	386 HP	1923	4,800	3	60 cy	288			3	
19'	180	386 HP	1923	4,800	3	60 cy	240			4	
											5
19'	180	1017	1938	4,800	3	60 cy	800	1	800	6	
										7	
										8	
										9	
49'	122	22,750 HP	1954	13,800	3	60 cy	19,500	2	34,510	10	
50'	150	20,777 HP	1984	6,900	3	60 cy	15,010				11
										12	
										13	
										14	
										15	
										16	
										17	
20'	240	944 HP	2010	6,900	3	60 cy	730	3	3,313	18	
20'	106	1,850 HP	1924	6,600	3	60 cy	1,200				19
20'	106	1,850 HP	1924	6,600	3	60 cy	1,383				20
										21	
20'	180	400 HP	1924	600	3	60 cy	300	1	300	22	
										23	
										24	
										25	
										26	
24'	200	1,430 HP	1935	600	3	60 cy	800	2	1,600	27	
24'	200	1,430 HP	1935	600	3	60 cy	800				28
										29	
										30	
33'	200	1,250 HP	1921	6,600	3	60 cy	880	3	3,040	31	
33'	200	1,040 HP	1921	2,300	3	60 cy	600				32
33'	150	2,250 HP	1921	6,900	3	60 cy	1,560				33
										34	
33'	128	6,000 HP	1931	2,400	3	60 cy	4,000	1	4,000	35	
										36	
										37	
										38	
SUB TOTALS							48,619	17	48,619		

HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, 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 and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location of Station (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1	#5 Hydro (Valley)	Valley Mill Road	Connecticut River via Canal System	Unattended	Vertical Kaplan	1994	26.3 Ft.
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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22							
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24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

\* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).



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

- |   |   |
|---|---|
| <p>1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.</p> <p>2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.</p> <p>3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such</p> | <p>property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-</p> |
|---|---|

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15				N/A			
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							





## GENERATING STATION STATISTICS (Small Stations)

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

Line No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) (0.0000) (l)
								Labor (h)	Fuel (i)	Other (j)		
1	Holy/Cabot 1-4*	1923	1,856	1,856	2,679,080	2,329,271	1,255	105,500		184,110	Hydro	10.8101
2	Chemical	1935	1,600	1,600	3,536,950	1,466,578	917	18,292		27,781	Hydro	
3	Skinner	1924	300	300	565,090	690,154	2,301	48,628		87,631	Hydro	24.1128
4	Boatlock	1924	3,313	3,313	10,593,290	5,952,580	1,797	20,006		31,701	Hydro	0.4881
5	Riverside 4-7	1921	3,040	3,270	9,442,910	7,203,485	2,370	239,165		409,647	Hydro	6.8709
6	Riverside 8	1931	4,000	4,575	11,387,190	7,203,485	1,801	239,165		409,647	Hydro	5.6977
7	Valley Hydro	1994	790	790	1,722,428	1,207,770	1,529	10,582		10,303	Hydro	1.2125
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
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26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37		TOTALS			39,926,938	26,053,322		681,337		1,160,822		4.6138

\* These facilities are comprised of more than one plant, however combined herewith for ease of reporting.  
Holyoke/Cabot 1-4 includes Holyoke 1 and Holyoke 2 plants.

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Eversource Fairmont	HGE	115 KV	Steel Pole	0.03 miles		1	795 KCM ACSR
2	North Canal	North Canal						
3	TAP	Substation						
4								
5	Eversource	HGE	115 KV	Wood and Steel Pole	5.23 miles		1	795 KCM ACSR
6	Southampton	Ingleside						
7	TAP	Substation						
8								
9	HGE	HGE	115 KV	Wood and Steel Pole	3.14 miles		1	795 KCM ACSR
10	Ingleside	Holyoke						
11	Substation	Substation						
12								
13	HGE	HGE	115 KV	Wood and Steel Pole	0.85 miles		1	795 KCM ACSR
14	North Canal	Holyoke						
15	Substation	Substation						
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44				TOTALS	9.25 miles		4	

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

## SUBSTATIONS

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

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

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

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

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

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

For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent.

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (in Service) (f)	Number Of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number Of Units (j)	Total Capacity (k)
1	Highland Substation	Outdoor	13,800				2				
2	Dwight & Northampton Street	Distribution		4,800		9,374	@				
3	Holyoke, MA 01040	Unattended		13,800	-		4,687	1			
4											
5	Holyoke Substation	Transmission	115,000				2				
6	102 Cabot Street (rear)	Distribution		13,800			@				
7	Holyoke, MA 01040				-	120,000	36/48/60 MVA	0			
8											
9	Ingleside Substation	Transmission	115,000				1 @ 18/24/30 MVA				
10	320 Whitney Avenue	Distribution		13,800			2 @ 16.8/22.4/28 MVA				
11	Holyoke, MA 01040	Unattended			-	86,000		0			
12											
13	North Canal Substation	Transmission	115,000				2 @				
14	50 Water Street	Distribution		34,500			36/48/60 MVA				
15	Holyoke, MA 01040	Unattended		13,800		180,000	2 @	0			
16							18/24/30 MVA				
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33					TOTALS	395,374		18	1	0	0

column (f) - adjusted all ratings to reflect higher forced cooling

## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year.....	160.195		160.195
2	Added During Year.....	20.098		20.098
3	Retired During Year.....	(21.654)		(21.654)
4	Miles - End of Year.....	158.639	0.000	158.639
5	Distribution System Characteristics - A.C. or D.C., phase, cycles and operating voltages for Light and Power.			
6	A.C. 3 PH 60 HZ	34.5Y/19.9 KV		
7	A.C. 3 PH 60 HZ	13.8Y/7.9 KV		
8	A.C. 3 PH 60 HZ	4.8 KV		
9	A.C. 3 PH 60 HZ	600 V		
10	A.C. 3 PH 60 HZ	480 V		
11	A.C. 3 PH 60 HZ	480Y/277 V		
12	A.C. 3 PH 60 HZ	240 V		
13	A.C. 3 PH 60 HZ	208Y/120 V		
14	A.C. 3 PH 60 HZ	120/240 V		
15	A.C. 1 PH 60 HZ	120/240 V		

## 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.....	13,874	20,345	2,464	291,155
17	Additions during year:				
18	Purchased.....		1,000	36	20,799
19	Installed.....	81			
20	Associated with utility plant acquired.....				
21	Total Additions	81	1,000	36	20,799
22	Reductions during year:				
23	Retirements.....	2,075	2,075	44	2,728
24	Associated with utility plant sold.....				
25	Total Reductions	2,075	2,075	44	2,728
26	Number at End of Year	11,880	19,270	2,456	309,226
27	In stock.....		1,515		
28	Locked meters on customer's premises.....				
29	Inactive transformers meters on system.....		285		
30	In customer's use.....		17,404		
31	In company's use.....		42		
32	Number at End of Year		19,246	2,456	309,226

## 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 Distirbution System (a)	Miles of Conduit (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating Voltage (d)	Feet* (e)	Operating Voltage (f)
1	Steel	48.941				
2	Steel Conduit (encased)	1.437				
3	Non-Metallic Duct	108.180				
4	Non-Metallic Duct (encased)	89.833				
5						
6						
7						
8						
9						
10	Total - Beginning		192.237	34.5KV/19.9KV 13.8KV/7.9KV 4.8KV/600V 480V/277 240/208/120		
11						
12						
13						
14						
15						
16	Net Primary Installed		(0.168)	13.8/7.9/4.8KV		
17						
18	Net Secondary Installed		1.630	600/480/277 240/208/120		
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35	TOTALS	248.391	193.699			

\*Indicate number of conductors per cable.



RECORD OF SENDOUT FOR THE YEAR IN MCF  
BASED ON 1000 BTU PER CUBIC FOOT

Line No.	Item	Total	January	February	March	April	May
1	<u>Gas Made</u>						
2	Propane - Air Gas	0.0	0.0	0.0	0.0	0.0	0.0
3	LNG Gas	85,533.0	49,306.4	17,545.8	1,372.0	2,176.4	1,724.4
4	Gas						
5	Gas						
6	TOTAL	85,533.0	49,306.4	17,545.8	1,372.0	2,176.4	1,724.4
7							
8	<u>Gas Purchased</u>						
9	Natural G-6	1,935,589.6	266,161.9	257,760.2	241,643.9	150,518.0	96,172.8
10	Other - Storage	190,787.0	97,384.0	45,797.0	17,388.0	15,626.0	0.0
11	TOTAL	2,126,376.6	363,545.9	303,557.2	259,031.9	166,144.0	96,172.8
12	TOTAL MADE AND PURCHASED	2,211,909.6	412,852.3	321,103.0	260,403.9	168,320.4	97,897.2
13							
14	Net change in Holder Gas	0.0	0.0	0.0	0.0	0.0	0.0
15	TOTAL SEND OUT	2,211,909.6	412,852.3	321,103.0	260,403.9	168,320.4	97,897.2
16							
17							
18							
19	Gas Sold (Firm)	2,075,647.5	337,843.0	345,499.9	266,120.8	183,242.8	112,730.9
	Gas Sold (Interr.)	84,106.3	14,594.1	13,379.1	11,021.3	6,672.2	3,090.4
	Electric Station Use	0.0	0.0	0.0	0.0	0.0	0.0
20	Gas Used by Company	15,342.8	4,411.5	2,918.0	2,057.0	998.1	267.2
	Sale for Resale	0.0	0.0	0.0	0.0	0.0	0.0
21	Gas Accounted For	2,175,096.5	356,848.6	361,797.0	279,199.1	190,913.1	116,088.6
22	Gas Unaccounted For	36,813.0	56,003.7	(40,694.0)	(18,795.2)	(22,592.7)	(18,191.4)
23	% Unaccounted For (0.00%)	1.66	13.57	(12.67)	(7.22)	(13.42)	(18.58)
24							
25							
26							
27	<u>Sendout in 24 Hours in Mcf</u>						
28	Maximum - Mcf	16,944.0	16,944	14,973	12,714	7,102	4,851
29	Maximum Date	1/15/2022	1/15/2022	2/14/2022	3/28/2022	4/10/2022	5/7/2022
30	Minimum - Mcf	1,648.0	5,560	5,804	3,700	3,279	2,219
31	Minimum Date	8/6/2022	1/1/2022	2/17/2022	3/18/2022	4/13/2022	5/21/2022
32							
33							
34							
35	S.O. BTU	1,033	1,036	1,034	1,032	1,031	1,031
	S.O. Sp. Gr.	0.59	0.59	0.59	0.59	0.59	0.59
	Annual weighted average BTU content of gas sold: 1,033 BTU per Cubic Foot						





GAS GENERATING PLANT

Line No.	General Description - Location, Size, Type, etc.	No. of Sets	24 Hour Cap. (MCF)
1	A) Liquefied Natural Gas Satellite Plant with four (4)		
2	55,000 gallon cryogenic storage tanks and one (1)		15,000
3	750 mcf/hr vaporizer located at Mueller Road.		
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
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21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45		TOTAL	15,000

BOILERS

Line No.	Location	Kind of Fuel and Method of Firing	Rated Pressure in Lbs.	Rated Steam Temp.	Number	Output Rating M. Lbs. Steam Per Hour
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12			NONE			
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

SCRUBBERS, CONDENSERS AND EXHAUSTERS - 24 HOUR CAPACITY (MCF)

Line No.		Kind of Gas	Total Capacity
25			
26			
27			
28	Scrubbers		
29			
30			
31			
32			
33			
34	Condensers	NONE	
35			
36			
37			
38			
39	Exhausters		
40			
41			

PURIFIERS

Line No.	Location	Kind of Gas Purified	Kind of Purifying Material	Estimated 24 Hour Capacity
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12		NONE		
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

HOLDERS (Including Relief Holders) - Indicate Relief Holders by the letters R.H.

Line No.	Location	Type of Tank	Dimensions		No. of Lifts	Number	Working Capacity
			Diameter	Height			
25							
26							
27							
28							
29							
30							
31							
32			NONE				
33							
34							
35							
36							
37							
38							
39							
40							
41							

## TRANSMISSION AND DISTRIBUTION MAINS

Report by size, for all mains and lines, the information called for below for cast iron, welded, wrought iron and steel mains.  
Sub-Totals should be shown for each type.

Line No.	Diameter	Total Length in Feet at Beginning of Year	Added During Year	Taken Up During Year	Abandoned But Not Removed During Year	Total Length in Feet at End of Year
1	<u>Cast Iron</u>					
2	1 1/4"	0	0	0	0	0
3	1 1/2"	0	0	0	0	0
4	2"	0	0	0	0	0
5	2 1/2"	0	0	0	0	0
6	3"	8,490	0	0	1,513	6,977
7	4"	77,617	0	0	5,384	72,233
8	6"	81,143	0	0	418	80,725
9	8"	44,792	0	0	2,068	42,724
10	12"	27,789	0	0	0	27,789
11	16"	9,721	0	0	0	9,721
12						
13	Sub-Total	249,552	0	0	9,383	240,169
14	<u>Welded Steel</u>					
15	2"	109,118	0	0	0	109,118
16	3"	618	0	0	265	353
17	4"	80,166	0	0	1,474	78,692
18	6"	133,775	0	0	258	133,517
19	8"	105,574	0	0	0	105,574
20	10"	12,217	0	0	0	12,217
21	12"	58,637	44	0	0	58,681
22	14"	3,278	0	0	0	3,278
23	16"	1,246	0	0	0	1,246
24						
25	Sub-Total	504,629	44	0	1,997	502,676
26	<u>Wrought Iron</u>					
27	1 1/4"	0				0
28	1 1/2"	0				0
29	2"	0				0
30	2 1/2"	0				0
31	3"	0				0
32	4"	0				0
33						
34	Sub-Total	0	0	0	0	0
35	<u>Plastic Main</u>					
36	2"	77,415	2,818	0	0	80,233
37	4"	63,289	4,661	0	0	67,950
38	6"	37,344	419	0	6	37,757
39	8"	43,758	3,776	0	0	47,534
40						
41	Sub-Total	221,806	11,674	0	6	233,474
42						
43	TOTALS	975,986	11,718	0	11,386	976,318

Normal Operating Pressure-Mains and Lines-Maximum...80 PSIG Minimum....7 inches W.C.  
Normal Operating Pressure-Services -Maximum...80 PSIG Minimum....7 inches W.C.

GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS

Report below the information called for concerning Distribution Services, House Governors and Meters.

Line No.	Item	Gas Services	House Regulators	Meters
1	Number at beginning of year.....	8,310	3,350	13,733
2	Additions during year:			
3	Purchases.....	0	82	49
4	Installed.....	13	76	
5	Associated with Plant acquired.....			
6	TOTAL ADDITIONS	13	158	49
7	Reductions during year.....			
8	Retirements.....	68	40	287
9	Associated with Plant sold.....			
10	TOTAL REDUCTIONS	68	40	287
11	NUMBER AT END OF YEAR	8,255	3,468	13,495
12	In Stock.....			
13	On Customers' Premises - Inactive.....			410
14	On Customers' Premises - Active.....			11,605
15	In Company Use.....			24
16	NUMBER AT END OF YEAR			12,039
17	Number of Meters Tested by State Inspectors During Year.....			2,250

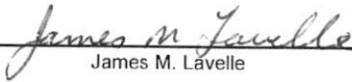
RATE SCHEDULE INFORMATION

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

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

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY


Manager  
Holyoke Gas and Electric  
Department

  
James M. Lavelle

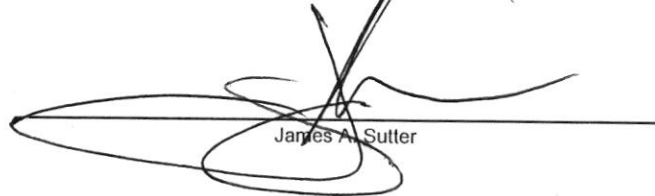
Commissioner  
Holyoke Gas and Electric  
Department

  
Francis J. Hoey, III

Commissioner  
Holyoke Gas and Electric  
Department

  
Marcos Marengo

Commissioner  
Holyoke Gas and Electric  
Department

  
James A. Sutter