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 respondant so desires, cents may be ommitted in the balance sheet, income

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:
DPU-annualreturns@state.ma.us
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Mail Original DPU Report to:
Mark D. Mariani Department Secretary

Mail Copy of DPU Report to:
Kevin Brannelly Director, Rates and Revenue Requirements Division
George Yiankos 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,

2024

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 2025 7/1/24 - 6/30/25
Fiscal 2024 7/1/23 - 6/30/24 $2,651,077,152	$3,037,157,407
9. Tax rate for all purposes during the year:	Fiscal 2025 7/1/24 - 6/30/25
Fiscal 2024 7/1/23 - 6/30/24 $18.95 - Residential $40.26 - Commercial/Industrial	$17.46 Residential $35.55 Commercial/Industrial
10. Amount of manager's salary:	$272,360.00
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	25,971,401
2	From Sales of Electricity	55,116,300
3	From Sales of Steam and Sundries	3,761,918
4	TOTAL	84,849,620
5	EXPENSES:	
6	For operation, maintenance and repairs	75,115,978
7	For interest on bonds, notes or scrip	1,825,918
8	For depreciation fund (3% on $299,644,256 as per page 8B & 9A)	9,288,065
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	6,776,225
12	For loss in preceding year	
13	TOTAL	93,006,186
14		
15	COST:	
16	Of gas to be used for municipal buildings	974,796
17	Of gas to be used for street lights	
18	Of electricity to be used for municipal buildings (includes telecom)	2,457,237
19	Of electricity to be used for street lights	143,888
20	Of steam	
21	Total of the above items to be included in the tax levy	3,575,921
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	3,575,921

CUSTOMERS

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

City or Town	Number of Customers' Meters, December 31.
Holyoke, MA	10,338
Southampton, MA	1,187
Westfield, MA	8
TOTAL	11,533

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.
Holyoke, MA	17,379
Southampton, MA	139
Westfield, MA	0
TOTAL	17,518

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 $	

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

1. Street Lights	$	143,888
2. Municipal Buildings		3,432,033
3. Steam		0
	$	3,575,921

*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:

Annual Report of Holyoke Gas and Electric Department — Year Ended December 31, 2024

BONDS

(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of Issue	Amount of Original Issue**	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
							0
	TOTAL	0				TOTAL	0

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

*Date of meeting and whether regular or special.

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

Annual Report of Holyoke Gas and Electric Department — Year Ended December 31, 2024

TOWN NOTES

(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of Issue	Amount of Original Issue**	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
	TOTAL	0				TOTAL	0

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

*Date of meeting and whether regular or special.

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

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…….	1,052,188					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						
15	Equipment……	30,288		30,288			(0)
16	Total Steam Production Plant	1,085,630	0	30,288	0	0	1,055,342
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.....	25,880,204	79,037				25,959,241
4	332 Reservoirs, Dams and Waterways....	22,582,900					22,582,900
5	333 Waterwheels, Turbines and Generators.....	32,898,726		27,900			32,870,826
6	334 Accessory Electric Equipment.....	5,174,367					5,174,367
7	335 Miscellaneous Power Plant Equipment.....	475,513	124,104				599,617
8	336 Roads, Railroads and Bridges.....	52,718					52,718
9	Total Hydraulic Production Plant	87,940,838	203,141	27,900	0	0	88,116,080
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	89,041,508	203,141	58,188	0	0	89,186,461
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	942,504					942,504
22	350-01 Transmission & Row	0					0
23	351 Energy Storage Equip - Transmission...	0					0
24	352 Structures and Improvements.....						
25	353 Station Equipment.....	13,803,555	18,029				13,821,584
26	354 Towers and Fixtures.....						
27	355 Poles and Fixtures.....	3,016,925	114,908				3,131,833
28	356 Overhead Conductors and Devices...	1,072,896					1,072,896
29	357 Underground Conduits.....	1,620	5,885				7,505
30	358 Underground Conductors and Devices	0					0
31	359 Roads and Trails.....	1,068,762	131,381				1,200,142
32	TOTAL TRANSMISSION PLANT	19,906,262	270,202	0	0	0	20,176,464

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.....	2,670,250					2,670,250
3	361 Structures and Improvements.....	341,023					341,023
4	362 Station Equipment.....	22,794,984	94,183				22,889,167
5	363 Storage Battery Equipment.....	2,277					2,277
6	364 Poles, Towers and Fixtures.....	6,821,738	739,402	234,390			7,326,750
7	365 Overhead Conductors and Devices....	11,240,228	1,384,113	161,600			12,462,740
8	366 Underground Conduits.....	14,609,611	833,825				15,443,435
9	367 Underground Conductors & Devices...	20,458,953	1,025,261	198,655			21,285,560
10	368 Line Transformers (Over & Under).....	6,462,847	572,718	97,808			6,937,756
11	369 Services (Over & Under).....	4,374,367	82,898	30,595	454,344		4,881,013
12	370 Meters-Consumer's Expense.....	3,496,446	157,336	219,638			3,434,143
13	371 Installation on Cust's Premises.....	1,106,865	12,596	715			1,118,746
14	373 Street Light and Signal Systems.....	4,150,899	44,982	13,868			4,182,012
15	3** Telecommmunications.....	11,086,679	63,402				11,150,080
16	TOTAL DISTRIBUTION PLANT	109,617,166	5,010,713	957,270	454,344	0	114,124,953
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	98,576	5,068				103,644
19	390 Structures and Improvements.....	4,823,242	98,657				4,921,899
20	391/391-01 Office Furn & Equip/Comp Equip.....	3,265,530	71,197				3,336,727
21	392 Transportation Equipment.....	3,150,398	188,712	146,223			3,192,887
22	393 Stores Equipment.....	62,711					62,711
23	394 Tools, Shop and Garage Equipment...	189,736	21,788				211,524
24	395 Laboratory Equipment.....	174,168					174,168
25	396 Power Operated Equipment.....	168,876					168,876
26	397 Communication Equipment.....	848,339					848,339
27	398 Miscellaneous Equipment.....	121,244					121,244
28	399 Other Tangible Property.....						
29	3** Telecommmunications.....	3,293,801	88,030				3,381,831
30	TOTAL GENERAL PLANT	16,196,621	473,452	146,223	0	0	16,523,850
31	TOTAL ELECTRIC PLANT IN SERVICE	234,761,557	5,957,508	1,161,681	454,344	0	240,011,728
32				TOTAL COST OF ELECTRIC PLANT.....			240,011,728
33							
34				Less Cost of Land, Land Rights, and Rights of Way.....			4,714,850
35				Total Cost upon which depreciation is based.....			235,296,879

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 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	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	312,199	181,243				493,442
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	2,017,590	181,243	0	0	0	2,198,833
22	3. STORAGE PLANT						
23	360 Land and Land Rights						
24	361 Structures and Improvements	732,682					732,682
25	362 Gas Holders						
26	363 Other Equipment						
30	TOTAL STORAGE PLANT	732,682	0	0	0	0	732,682

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	890,567	105,890				996,458
5	367 Mains	27,432,245	1,876,621	46,224			29,262,642
6	368 Compressor Station Equipment	127,047					127,047
7	369 Measuring and Regulating Station Equipment	3,055,032	273,789	39,498			3,289,323
8	370 Comm Equip Meters/Telemeter	366,829					366,829
9	380 Services	23,787,178	2,278,916	307,787			25,758,307
10	381 Meters	5,300,058	94,941	16,045			5,378,954
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						
16	DISTRIBUTION PLANT	61,081,451	4,630,158	409,555	0	0	65,302,055
17	5. GENERAL PLANT						
18	389 Land and Land Rights	59,754					59,754
19	390 Structures and Improvements	1,760,409	53,123				1,813,532
20	391/391-01 Office Furn & Equip/Comp Equip	1,849,697	38,337				1,888,034
21	392 Transportation Equipment	1,416,350	359,042	125,211			1,650,181
22	393 Stores Equipment	18,710					18,710
23	394 Tools, Shop and Garage Equipment	482,176		14,333			467,844
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	5,997,613	450,502	139,544	0	0	6,308,571
30	TOTAL GAS PLANT IN SERVICE	69,829,337	5,261,903	549,098	0	0	74,542,141
31				TOTAL COST OF GAS PLANT			74,542,141
32							
33				Less Cost of Land, Land Rights, and Rights of Way			236,856
34				Total Cost upon which depreciation is based			74,305,285

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).....	143,783,346	155,307,520	11,524,174
3	101 Utility Plant in Service - Gas (pg 20).....	35,432,848	39,425,696	3,992,848
4	Non Operating Plant.....	5,988,390	5,988,390	0
5	TOTAL UTILITY PLANT	185,204,583	200,721,605	15,517,022
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.....	33,238,763	34,749,559	1,510,796
15	TOTAL FUNDS	33,238,763	34,749,559	1,510,796
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (pg 14).....	4,492,837	3,914,439	(578,398)
18	132 Special Deposits.....	1,787,558	1,833,001	45,443
19	132 Working Funds.....	15,350	15,350	0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	7,795,963	8,245,881	449,918
22	143 Other Accounts Receivable.....			
23	146 Receivables from Municipality.....	439,851	457,804	17,953
24	151 Materials and Supplies (pg 14).....	6,546,730	6,234,173	(312,557)
25	163 Stores Expense.....			
26	165 Prepayments.....	54,430,008	61,551,944	7,121,936
27	174 Miscellaneous Current Assets.....	12,421,041	11,759,877	(661,164)
28	TOTAL CURRENT AND ACCRUED ASSETS	87,929,338	94,012,469	6,083,131
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....	529,999	463,332	(66,667)
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....	0	0	0
33	TOTAL DEFERRED DEBITS	529,999	463,332	(66,667)
34				
35	TOTAL ASSETS AND OTHER DEBITS	306,902,683	329,946,965	23,044,282

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)	129,122,783	148,041,002	18,918,219
8	TOTAL SURPLUS	129,122,783	148,041,002	18,918,219
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	26,765,215	20,932,023	(5,833,192)
13	TOTAL BONDS AND NOTES	26,765,215	20,932,023	(5,833,192)
14	CURRENT AND ACCRUED LIABILITIES			
15	232 Accounts Payable	10,300,559	12,049,405	1,748,846
16	234 Payables to Municipality			
17	235 Customer Deposits	1,759,462	1,795,884	36,422
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	12,060,021	13,845,289	1,785,268
22	DEFERRED CREDITS			
23	251 Unamortized Premium on Debt			
24	252 Customer Advance for Construction			
25	253 Other Deferred Credits	138,205,397	146,379,385	8,173,988
26	TOTAL DEFERRED CREDITS	138,205,397	146,379,385	8,173,988
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	306,902,683	329,946,966	23,044,283

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.

Annual Report of Holyoke Gas and Electric Department — Year Ended December 31, 2024

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total Current Year (b)	Total Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenue (pg 37 and pg 43)	90,493,458	1,099,292
3	Operating Expenses:		
4	401 Operation Expense (pg 42 and pg 47)	51,369,297	(939,451)
5	402 Maintenance Expense (pg 42 and pg 47)	14,021,977	923,673
6	403 Depreciation Expense	8,989,328	281,207
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (pg 49)		
10	Total Operating Expenses	74,380,601	265,429
11	Operating Income	16,112,856	833,863
12	414 Other Utility Operating Income (pg 50)	0	0
13			
14	Total Operating Income	16,112,856	833,863
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (pg 51)	(31,459)	(24,854)
17	419 Interest Income	5,008,975	(574,232)
18	421 Miscellaneous Nonoperating Income	1,000,654	(44,379)
19	Total Other Income	5,978,170	(643,466)
20	TOTAL INCOME	22,091,027	190,397
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions	1,308,485	(136,273)
24	Total Income Deductions	1,308,485	(136,273)
25	Income before Interest Charges	20,782,542	326,670
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	195,144	19,723
28	428 Amortization of Debt Discount and Expense	263,328	8,338
29	429 Amortization of Premium on Debt		
30	431 Other Interest Expense	17,127	15,619
31	432 Interest Charged to Construction-Credit		
32	Total Interest Charges	475,599	43,680
33	NET INCOME	20,306,943	282,990

EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period)		129,122,783
35	Adjustment to correct Unappropriated Earned Surplus		
36	Adjustment to correct Unappropriated Earned Surplus		0
37	433 Balance transferred from Income		20,306,943
38	434 Miscellaneous Credits to Surplus (pg 21)	0	
39	435 Miscellaneous Debits to Surplus (pg 21)	1,388,723.9	
40	436 Appropriations of Surplus (pg 21)	0	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	148,041,002	
43			
44	TOTALS	149,429,727	149,429,726

Annual Report of Holyoke Gas and Electric Department — Year Ended December 31, 2024

STATEMENT OF INCOME FOR THE YEAR

Electric		Gas			
Current Year (d)	Increase or (Decrease) from Preceding Year (e)	Current Year (f)	Increase or (Decrease) from Preceding Year (g)		Line No.
					1
66,438,643	4,149,931	24,054,815	(3,050,639)		2
					3
35,605,477	2,319,634	15,763,820	(3,259,085)		4
11,045,115	847,032	2,976,862	76,642		5
6,901,553	161,855	2,087,774	119,352		6
					7
					8
					9
53,552,145	3,328,521	20,828,456	(3,063,092)		10
12,886,498	821,410	3,226,358	12,452		11
0	0				12
					13
12,886,498	821,410	3,226,358	12,452		14
					15
(28,096)	(22,934)	(3,363)	(1,920)		16
4,496,215	(549,040)	512,761	(25,192)		17
989,917	8,944	10,737	(53,323)		18
5,458,035	(563,030)	520,135	(80,435)		19
18,344,533	258,380	3,746,493	(67,983)		20
					21
					22
1,153,334	(161,760)	155,151	25,487		23
1,153,334	(161,760)	155,151	25,487		24
17,191,199	420,140	3,591,342	(93,470)		25
					26
195,144	19,723	0	0		27
263,328	8,338	0	0		28
					29
0	0	17,127	15,619		30
					31
458,472	28,061	17,127	15,619		32
16,732,727	392,079	3,574,215	(109,089)		33

16,732,728 — 3,574,214

(0) — 1

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund	3,914,439
2	Interest Fund	
3	Bond Fund	
4	Construction Fund	
5		
6		
7		
8		
9		
10		
11		
12	TOTAL	3,914,439

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

Line No.	Account (a)	Amount End of Year Electric (b)	Amount End of Year Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)	0	531,968
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154)	4,438,986	1,263,219
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	4,438,986	1,795,187

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	8,989,328
27	Amount Transferred from Income	
28	TOTAL	8,989,328
29		
30	CREDITS	
31	Amount expended for Construction Purposes (Sec. 57, C. 164 of G.L.)	0
32	Amounts Expended for Renewals	8,989,328
33		
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year	0
40	TOTAL	8,989,328

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.....	165,798		8,964			156,834
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						
15	Equipment.....	0					0
16	Total Steam Production Plant	165,798	0	8,964	0	0	156,834
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.....	18,798,234	79,037	772,609			18,104,662
4	332 Reservoirs, Dams and Waterways…	10,966,419		677,838			10,288,582
5	333 Waterwheels, Turbines and Generators.....	21,892,603		991,215			20,901,389
6	334 Accessory Electric Equipment.....	3,456,021		155,364			3,300,657
7	335 Miscellaneous Power Plant Equipment.....	371,061	124,104	14,306			480,858
8	336 Roads, Railroads and Bridges.....	51,121		1,598			49,523
9	Total Hydraulic Production Plant	56,411,870	203,141	2,612,929	0	0	54,002,082
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	56,592,708	203,141	2,621,893	0	0	54,173,957
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	942,504					942,504
22	350-01 Transmission & Row	0					0
23	351 Clearing Land and Rights of Way.....	0					0
24	352 Structures and Improvements.....	0					0
25	353 Station Equipment.....	8,688,773	18,029	239,926			8,466,876
26	354 Towers and Fixures.....	0					0
27	355 Poles and Fixtures.....	1,089,396	114,908	55,051			1,149,253
28	356 Overhead Conductors and Devices....	119,398		17,605			101,793
29	357 Underground Conduits.....	1,584	5,885	36			7,433
30	358 Underground Conductors and Devices.....	0 0					0 0
31	359 Roads and Trails.....	1,054,213	131,381	23,727			1,161,867
32	TOTAL TRANSMISSION PLANT	11,895,868	270,202	336,344	0	0	11,829,725

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	2,670,250					2,670,250
3	361 Structures and Improvements	16,733		4,005			12,729
4	362 Station Equipment	15,868,557	94,183	625,216			15,337,524
5	363 Storage Battery Equipment	2,277		68			2,209
6	364 Poles, Towers and Fixtures	4,350,847	739,402	230,729	24,310		4,835,211
7	365 Overhead Conductors and Devices	6,012,337	1,384,113	363,283	21,116		7,012,050
8	366 Underground Conduit	6,565,686	833,825	464,365			6,935,145
9	367 Underground Conductors and Devices	12,924,333	1,025,261	639,845	49,066		13,260,683
10	368 Line Transformers (Over & Under)	3,404,613	572,718	246,038	12,742		3,718,550
11	369 Services (Over & Under)	1,014,644	82,898	183,384	6,119	454,344	1,362,383
12	370 Meters	2,661,883	157,336	130,970	293		2,687,956
13	371 Installation on Cust's Premises	130,322	12,596	59,282	477		83,159
14	373 Street Lighting and Signal Systems	1,493,641	44,982	150,603	9,354		1,378,665
15	3** Telecommunications	7,661,718	63,402	312,781			7,412,339
16	TOTAL DISTRIBUTION PLANT	64,777,841	5,010,713	3,410,569	123,477	454,344	66,708,853
17	5. GENERAL PLANT						
18	389 Land and Land Rights	98,576	5,068				103,644
19	390 Structures and Improvements	2,578,273	98,657	135,537			2,541,393
20	391/391-01 Office Furn & Equip/Comp Equip	880,975	71,197	131,811			820,361
21	392 Transportation Equipment	211,925	188,712	95,455			305,182
22	393 Stores Equipment	23,320		6,271			17,049
23	394 Tools, Shop and Garage Equipment	64,766	21,788	10,378			76,176
24	395 Laboratory Equipment	0					0
25	396 Power Operated Equipment	39,251		9,659			29,592
26	397 Communication Equipment	162,669		26,643			136,026
27	398 Miscellaneous Equipment	22,054		1,570			20,484
28	399 Other Tangible Property						
29	3** Telecommunications	1,289,659	88,030	115,423			1,262,266
30	TOTAL GENERAL PLANT	5,371,469	473,452	532,747	0	0	5,312,174
31	TOTAL ELECTRIC PLANT IN SERVICE	138,637,886	5,957,508	6,901,553	123,477	454,344	138,024,708
32	104 Utility Plant leased to Others						
33	105 Property Held for Future Use	0					0
34	107 Construction Work in Progress	5,145,460	13,986,765		1,849,413		17,282,811
	108 Accumulated Depreciation						
35	TOTAL UTILITY ELECTRIC PLANT	143,783,346	19,944,273	6,901,553	1,972,890	454,344	155,307,520

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.....	845,084	0	0	292,051	707,990
2	Received During Year.....	548,570	0	0	200,320	253,311
3	TOTAL	1,393,654	0	0	492,371	961,301
4	Used During Year (Note A).....	861,686			247,604	558,208
5	(Boiler Fuel)					
6						
7						
8						
9						
10						
11	Sold or Transferred.....	0				
12	TOTAL DISPOSED OF	861,686	0	0	247,604	558,208
13	BALANCE END OF YEAR	531,968	0	0	244,767	403,093

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	179,259	137,094
15	Received During Year.....	0	0	433,822	295,259
16	TOTAL	0	0	613,081	432,353
17	Used During Year (Note A).....	0	0	420,107	303,478
18	(Boiler Fuel)				
19					
20					
21					
22					
23					
24	Sold or Transferred.....				
25	TOTAL DISPOSED OF	0	0	420,107	303,478
26	BALANCE END OF YEAR	0	0	192,974	128,875

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.....	206,815	181,243	7,058			381,001
9	306 Boiler Plant Equipment.....						
10	307 Other Power Plant Equipment.....	1,644		71			1,573
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.....	171,814		20,963			150,851
20	320 Other Equipment.....	13,001		499			12,502
21	TOTAL MANUFACTURED GAS PRODUCTION PLANT	477,839	181,243	28,592	0	0	630,490
22	2. STORAGE PLANT						
23	360 Land and Land Rights.....						
24	361 Structures and Improvements.....	535,017		21,063			513,954
25	362 Gas Holders.....						
26	363 Other Equipment.....						
27	TOTAL STORAGE PLANT	535,017	0	21,063	0	0	513,954

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	29,937	105,890	2,349			133,478
5	367 Mains	11,169,174	1,876,621	822,967	1,454		12,221,373
6	368 Compressor Station Equipment	93,161		3,821			89,341
7	369 Measuring and Regulating Station Equipment	2,534,620	273,789	91,591	21,957		2,694,860
8	370 Communication Equip/Telemeter	210,675		11,005			199,670
9	380 Services	14,932,770	2,278,916	691,399	130,419		16,389,868
10	381 Meters	2,311,612	94,941	159,002	1,321		2,246,231
11	382 Meter Installations	951		153			798
12	383 House Regulators						
13	386 Other Property on Cust's Prem						
14	387 Other Equipment	(0)					(0)
15	TOTAL TRANSMISSION AND DISTRIBUTION PLANT	31,375,437	4,630,158	1,782,286	155,151	0	34,068,157
16	5. GENERAL PLANT						
17	389 Land and Land Rights	59,754					59,754
18	390 Structures and Improvements	634,443	53,123	53,067			634,499
19	391/391-01 Office Furn & Equip/Comp Equip	650,737	38,337	88,057			601,016
20	392 Transportation Equipment	189,256	359,042	75,348			472,950
21	393 Stores Equipment	11,226		1,871			9,355
22	394 Tools, Shop and Garage Equipment	165,474		21,651			143,824
23	395 Laboratory Equipment						
24	396 Power Operated Equipment	4,508		902			3,606
25	397 Communication Equipment	89,207		13,937			75,270
26	398 Miscellaneous Equipment	6,044		1,000			5,044
27	399 Other Tangible Property						
28	TOTAL GENERAL PLANT	1,810,649	450,502	255,833	0	0	2,005,318
29	TOTAL GAS PLANT IN SERVICE	34,198,942	5,261,903	2,087,774	155,151	0	37,217,919
30	104 Utility Plant leased to Others						
31	105 Property Held for Future Use	0					0
32	107 Construction Work in Progress	1,233,906	6,236,086			(5,262,216)	2,207,777
	108 Accumulated Depreciation						
33	TOTAL UTILITY GAS PLANT	35,432,848	11,497,989	2,087,774	155,151	(5,262,216)	39,425,696

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MISCELLANEOUS NON-OPERATING INCOME (Account 421)

Line No.	Item (a)	Amount (b)
1	Miscellaneous Income	495,658
2	O&M Contracts	504,996
3	Gain on Plant Retirements	0
4		
5		
6	TOTAL	1,000,654

OTHER INCOME DEDUCTIONS (Account 426)

Line No.	Item (a)	Amount (b)
7	Loss on Plant Retirements	278,628
8	Boiler Demolition Expense	353,464
9	Other Deductions	0
10		
11	Const Services Monthly Fee	676,394
12		
13		
14	TOTAL	1,308,485

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	1,388,724
24	Pilot - Others	0
25		
26		0
27		
28		
29		
30	TOTAL	1,388,724

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	63,980	737,389	11.5253
2					
3					
4		TOTALS	63,980	737,389	11.5253

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)	12,056,845	1,814,483	0.1505
6					
7					
8		TOTALS	12,056,845	1,814,483	0.1505
9					
10		Street Lighting*	1,776,171	259,431	0.1461
11		TOTALS	1,776,171	259,431	0.1461
12					
13		*Includes material costs for new & replacement lighting over			
14		multiple year repayments			
15					
16					
17					
19		TOTALS	13,833,016	2,073,914	0.1499

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					
21		See pages 54 & 55			
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					
31		See pages 52 & 53			
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	17,929,270	1,143,854	108,135,925	1,987,995		(14,092)
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5	31,464,370	2,242,922	212,860,638	7,752,151		(2,294)
5	Large (or Industrial) see instr. 5	5,370,094	200,447	46,316,778	310,194		(22)
6	444 Municipal Sales (pg 22)	2,073,914	(486,889)	13,833,016	(2,317,940)		(135)
7	445 Other Sales to Public Authorities						
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales (484)	356,336	56,740				
10	449 Miscellaneous Electric Sales	312,014	(1,516)	661,470	(5,889)		(469)
11	Total Sales to Ultimate Consumers	57,505,997	3,155,558	381,807,827	7,726,511	0	(17,012)
12	447 Sales for Resale	0	0	0	0	N/A	N/A
13	TOTAL SALES OF ELECTRICITY*	57,505,997	3,155,558	381,807,827	7,726,511	0	(17,012)
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts						
16	451 Miscellaneous Service Revenues	496,787	(25,708)				
17	453 Sales of Water and Water Power	6,300	0	*Includes revenues from application of fuel clauses			12,256,112.91
18	454 Rent from Electric Property	3,757	506				
19	455 Interdepartmental Rents			Total KWH to which applied			335,968,007
20	456 Other Electric Revenues	8,425,802	1,019,575				
21	456 Steam Revenues						
22							
23	Miscellaneous Adjustments to Sales						
24							
25	Total Other Operating Revenues	8,932,646	994,374				
26	TOTAL ELECTRIC						
27	OPERATING REVENUES	66,438,643	4,149,931				

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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)	Number of Customers (per Bills Rendered) December 31 (f)
1	440-00	Residential (ER)*	108,135,925	17,929,270	0.1658	15,028	15,043
2	440-01	Residential - Off Peak					
3	440-02	Residential - General Service (EK)					
4	442-00	Commercial (EC)**	212,860,638	31,464,370	0.1478	2,299	2,312
5	442-02	Commercial D					
6	442-03	Area Lighting (CL)	661,470	312,014	0.4717	464	462
7	442-01	Industrial (LI, HW, SI)	46,316,778	5,370,094	0.1159	22	22
8	444-00	Municipal Lighting (MC)	12,056,845	1,814,483	0.1505	139	141
9	444-01	Street Lighting (SL)***	1,776,171	259,431	0.1461		
10	484-00	Interdepartmental Sales		356,336			
11							
12							
13							
14							
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20							
21							
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28							
29							
30		*Total number of Residential customers, when including multiple units per meter,					
31		is 18,063 for year end.					
32							
33		**22,920,563 kwh of 212,860,638 kwh is Residential Multidwelling. Total Residential kwh sales is 131,056,488 kwh					
36							
37		***Includes material costs for new & replacement lighting over multiple year repayments					
38							
39							
40							
41		TOTAL SALES TO UTIMATE CONSUMERS					
42		(Page 37 Line 11)	381,807,827	57,505,997	0.1506	17,952	17,980

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	68,265	12,109
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	68,265	12,109
13	Maintenance:		
14	510 Maintenance supervision and engineering	2,663	(954)
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	2,663	(954)
21	TOTAL STEAM POWER GENERATION	70,929	11,155
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	1,221,647	143,792
45	536 Water for power/Fuel	361,185	(55,149)
46	537 Hydraulic expenses	575,742	(34,063)
47	538 Electric expenses	0	
48	539 Miscellaneous hydraulic power generation expenses	432,747	(75,502)
49	540 Rents	0	0
50	Total Operation	2,591,322	(20,921)

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	644,524	116,226
4	542 Maintenance of Structures	272	(33,085)
5	543 Maintenance of Reservoirs, Dams and Waterways	912,958	(48,156)
6	544 Maintenance of Electric Plant		0
7	545 Maintenance of Miscellaneous Hydraulic Plant	2,760,669	697,264
8	Total Maintenance	4,318,423	732,249
9	TOTAL HYDRAULIC POWER GENERATION	6,909,745	711,327
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	13,215,114	1,748,701
27	556 System Control and Load Dispatching		
28	557 Other Expenses	1,209,528	102,268
29	TOTAL OTHER POWER SUPPLY EXPENSES	14,424,642	1,850,969
30	TOTAL POWER PRODUCTION EXPENSES	21,405,315	2,573,451
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation Supervision and Engineering	839,115	120,883
34	561 Load Dispatching		
35	562 Station Expenses	124,737	(4,040)
36	563 Overhead Line Expenses		
37	564 Underground Line Expenses		
38	565 Transmission of Electricity by Others	3,832,301	546,628
39	566 Miscellaneous Transmission Expenses	28,723	(21,022)
40	567 Rents		
41	Total Operation	4,824,875	642,450
42	Maintenance:		
43	568 Maintenance Supervision and Engineering	58,713	(16,177)
44	569 Maintenance of Structures		
45	570 Maintenance of Station Equipment	398,353	33,331
46	571 Maintenance of Overhead Lines	92,091	(339,592)
47	572 Maintenance of Underground Lines		
48	573 Maintenance of Miscellaneous Transmission Plant		
49	Total Maintenance	549,157	(322,438)
50	TOTAL TRANSMISSION EXPENSES	5,374,032	320,012

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ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Preceding Year 12/31/23
1	DISTRIBUTION EXPENSES			
2	Operation:			
3	580 Operation Supervision and Engineering	1,035,715	103,865	931,849
4	581 Load Dispatching			
5	582 Station Expenses	115,374	30,092	85,282
6	583 Overhead Line Expenses		0	0
7	584 Underground Line Expenses			0
8	585 Street Lighting and Signal System Expenses (852 Communications)	83,847	2,444	81,403
9	586 Meter Expenses	286,980	40,686	246,293
10	587 Customer Installations Expenses	404,657	59,905	344,752
11	588 Miscellaneous Distribution Expenses (163's incl)	511,226	(79,454)	590,680
12	589 Rents			
13	Telecom (163 & 852 incl)	2,029,965	158,549	1,871,416
14	Total Operation	4,467,763	316,087	4,151,676
15	Maintenance:			
16	590 Maintenance supervision and engineering	358,851	76,460	282,391
17	591 Maintenance of Structures			
18	592 Maintenance of Station Equipment	241,602	199,031	42,571
19	593 Maintenance of Overhead Lines	3,557,211	(64,424)	3,621,635
20	594 Maintenance of Underground Lines	978,086	(4,129)	982,214
21	595 Maintenance of Line Transformers	19,805	12,268	7,537
22	596 Maintenance of Street Lighting and Signal Systems	109,357	16,012	93,345
23	597 Maintenance of Meters	20,732	11,801	8,931
24	598 Maintenance of Miscellaneous Distribution Plant	16,182	2,746	13,436
25	Telecom	104,526	(36,115)	140,641
26	Total Maintenance	5,406,352	213,650	5,192,702
27	TOTAL DISTRIBUTION EXPENSES	9,874,115	529,737	9,344,378
28	CUSTOMER ACCOUNTS EXPENSES			
29	Operation:			
30	901 Supervision			
31	902 Meter Reading Expenses	88,259	23,988	64,271
32	903 Customer Records and Collection Expenses	569,667	10,910	558,757
33	904 Uncollectable Accounts	219,226	47,320	171,906
34	Telecom	256	(2,568)	2,824
35	TOTAL CUSTOMER ACCOUNTS EXPENSES	877,407	79,649	797,758
36	SALES EXPENSES			
37	Operation:			
38	911 Supervision			
39	912 Demonstrating and Selling Expenses	152,572	9,531	143,041
40	913 Advertising Expenses	24,760	(17,661)	42,420
41	Telecom	159,785	(20,475)	180,260
42	TOTAL SALES EXPENSES	337,117	(28,604)	365,721
43	ADMINISTRATIVE AND GENERAL EXPENSES			
44	Operation:			
45	920 Administrative and General Salaries	1,498,185	138,087	1,360,098
46	921 Office Supplies and Expenses	943,103	35,669	907,434
47	922 Administrative Expenses Transferred - Cr			
48	923 Outside Services Employed	384,665	(34,316)	418,981
49	924 Property Insurance	797,660	75,818	721,842
50	925 Injuries and Damages	(4,418)	(35,298)	30,881
51	926 Employees Pensions and Benefits	2,964,461	(670,098)	3,634,559
52	928 Regulatory Commission Expenses			
53	929 Duplicate Charges - Cr			0
54	930 Miscellaneous General Expenses	951,660	(12,349)	964,009
55	931 Rents			
56	Telecom	478,769	(33,002)	511,771
57	Total Operation	8,014,085	(535,490)	8,549,575

Line 51 consists of employee benefits related to the pension plan, health insurance, life insurance, other post employement benefits (OPEB) and other miscellaneous benefits such as educational assistance. The portion of line 51 that pertains to OPEB is $(344,715)

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	723,296	199,586
4	933 Transportation expense		
5	Telecom	45,224	24,939
6	Total Maintenance	768,520	224,525
7	TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	8,782,605	(310,965)
8	TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	46,650,592	3,163,280

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	68,265	2,663	70,929
12	Nuclear Power	0	0	0
13	Hydraulic Power	2,591,322	4,318,423	6,909,745
14	Other Power	0	0	0
15	Other Power Supply Expenses	14,424,642	0	14,424,642
16	Total Power Production Expenses	17,084,229	4,321,086	21,405,315
17	Transmission Expenses	4,824,875	549,157	5,374,032
18	Distribution Expenses	4,467,763	5,406,352	9,874,115
19	Customer Accounts Expenses	877,407	0	877,407
20	Sales Expenses	337,117	0	337,117
21	Administrative and General Expenses	8,014,085	768,520	8,782,605
22				
23	TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	35,605,477	11,045,115	46,650,592

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)	80.60%
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 $1,153,208.67)	13,195,977
26	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	95.0

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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	11,120,749	(885,384)	701,261.0	(7,239.0)	10,199	(29)
3	481 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5	6,840,377	(1,020,437)	555,693.0	(4,076.0)	1,256	(8)
5	Large (or Industrial) see instr. 5	3,844,446	(885,546)	545,631.0	(61,686.0)	19	(2)
6	482 Municipal Sales (pg 22)	737,389	(158,618)	63,980.0	(3,516.0)	39	(2)
7	483 Other Sales (481) Interruptible	957,384	37,151	90,666.0	14,698.0	25	4
8	485 Miscellaneous Gas Sales (484)	50,658	(22,996)	(1,741.3)	(14,883.5)	20	0
9							
10							
11	Total Sales to Ultimate Consumers	23,551,003	(2,935,830)	1,955,489.7	(76,702.5)	11,558	(37)
12	483 Sales for Resale	0	0		0.0	N/A	N/A
13	TOTAL SALES OF GAS*	23,551,003	(2,935,830)	1,955,489.7	(76,702.5)	11,558	(37)
14	OTHER OPERATING REVENUES						
15	487 Forfeited Discounts						
16	488 Miscellaneous Service Revenues	37,656	932				
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	2,402	(1,000)				
21	494 Interdepartmental Rents						
22	495 Other Gas Revenue	463,754	(114,741)				
23							
24							
25	Total Other Operating Revenues	503,812	(114,809)				
26	TOTAL GAS						
27	OPERATING REVENUES	24,054,815	5,283,791				

	Purchased Price Adjustment Clauses	Fuel Clauses
*Includes revenue from application of		7,959,917
Total MCF to Which Applied		1,864,823.7

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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)	Number of Customers (per Bills Rendered) December 31 (f)
1	480-00	Residential	701,261	11,120,749	15.8582	10,198	10,176
2	481-01	Commercial	555,693	6,840,377	12.3096	1,251	1,254
3	481-03	Industrial	545,631	3,844,446	7.0459	19	20
4	481-04	Interruptible	90,666	957,384	10.5595	25	24
5	482-01	Municipal	63,980	737,389	11.5253	39	39
6	484-00	Interdepartmental Sales	(1,741)	50,658	(29.0921)	20	20
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41	TOTAL SALES TO UTIMATE CONSUMERS						
42	(Page 43 Line 11)		1,955,490	23,551,003	12.0435	11,552	11,533

Annual Report of Holyoke Gas and Electric Department — Year Ended December 31, 2024

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	8,207,597	(3,325,163)
4	805 Other gas purchases	303,478	(35,345)
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	(5,839)	639
10	813 Other gas supply expenses	255,009	43,898
11	TOTAL GAS SUPPLY EXPENSES	8,760,246	(3,315,971)
12	TOTAL PRODUCTION EXPENSES	8,760,246	(3,315,971)
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	486,578	(69,687)
29	851 System control and load dispatching	249,791	12,405
30	852 Communication system expenses	333,746	122,115
31	853 Compressor station labor and expenses	500,797	128,893
32	855 Fuel and power for compressor station		
33	857 Measuring and regulating station expenses	130,978	34,374
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)	244,072	(46,441)
37	879 Customer installation expenses	688,077	25,626
38	880 Other expenses (10-814-00 & 163 & 888-02)	180,133	(70,871)
39	881 Rents		
40	Total Operation	2,814,173	136,415
41	Maintenance:		
42	885 Maintenance supervision and engineering		
43	886 Maintenance of structures and improvements		
44	887 Maintenance of mains	1,468,309	44,686
45	888 Maintenance of compressor station equipment	351,762	25,680
46	889 Maintenance of measuring and regulating station equipment		
47	892 Maintenance of services	483,534	22,552
48	893 Maintenance of meters and house regulators	256,340	(57,391)
49	894 Maintenance of other equipment (10-853-01,03)	133,620	(49,720)
50	Total Maintenance	2,693,566	(14,193)
51	TOTAL TRANSMISSION AND DISTRIBUTION EXPENSES	5,507,739	122,222

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	39,660	6,194
5	903 Customer records and collection expenses	311,485	33,616
6	904 Uncollectible accounts	86,432	(12,873)
7	905 Miscellaneous customer accounts expenses		
8	TOTAL CUSTOMER ACCOUNTS EXPENSES	437,577	26,937
9	SALES EXPENSES		
10	Operation:		
11	911 Supervision		
12	912 Demonstrating and selling expeneses	82,154	5,132
13	913 Advertising expenses	4,155	637
14	916 Miscellaneous sales expenses		
15	TOTAL SALES EXPENSES	86,309	5,769
16	ADMINISTRATIVE AND GENERAL EXPENSES		
17	Operation:		
18	920 Administrative and general salaries	890,395	59,424
19	921 Office supplies and expenses	357,403	(4,382)
20	922 Administrative expenses transferred - Cr		
21	923 Outside services employed	224,474	12,823
22	924 Property insurance	187,715	25,574
23	925 Injuries and damages		0
24	926 Employees pension and benefits	1,598,730	(211,933)
25	928 Regulatory commission expenses		
26	929 Duplicate charges - Cr		
27	930 Miscellaneous general expenses	406,799	6,258
28	931 Rents		
29	Total Operation	3,665,516	(112,236)
30	Maintenance:		
31	932 Maintenance of general plant	283,296	90,835
32	TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	3,948,812	(21,401)
33	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	18,740,682	(3,182,444)

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	8,760,246	0	8,760,246
37	Total Production Expenses	8,760,246	0	8,760,246
38	Local storage expenses	0	0	0
39	Transmission and distribution expenses	2,814,173	2,693,566	5,507,739
40	Customer accounts expenses	437,577	0	437,577
41	Sales Expenses	86,309	0	86,309
42	Administrative and General Expenses	3,665,516	283,296	3,948,812
43	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	15,763,820	2,976,862	18,740,682
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)			86.59%
45	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts			5,273,013
46	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part time employees)			41.0

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) (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	RWE Energy Delivered Direct	TGP Zones 0,1,4,6	1,738,564	$ 2.74	$ 4,766,338
23	RWE Storage Withdrawals		247,604	$ 1.23	$ 304,897
24	Pipeline Variable Char. - Tennessee Gas I	Pipeline			$ 14,880
25					
26	LNG Supplier Var. Charges - all suppliers	Holyoke, MA	36,613	$ 8.29	$ 303,478
27					$ -
28					$ -
29					
30	Other Supplier and Transportation Charge				$ 150,000
31	Westfield Gas & Electric				
32	LNG Supplier Fix. Charges - all suppliers: Energir / Gaz Metro	Holyoke, MA		$ 21.50	$ 787,058
33					
34	Pipeline Fixed Charges - Tennessee Gas	Pipeline			$ 2,184,425
35					
36		TOTALS	2,022,781	4.2076	8,511,076

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)	(I)	(j)
1										
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	TOTAL	0	0	0	0	0	0	0	0	0

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			**N/A**		
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	87,123		87,123
4	Contract Work				
5	Commissions				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues	0	87,123	0	87,123
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost)	28,096	90,486		118,582
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	28,096	90,486	0	118,582
48	Net Profit (or Loss)	(28,096)	(3,363)	0	(31,459)

SALES FOR RESALE (Acccount 447)

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

Line No.	Sales to (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand (Specify which) (f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19				**N/A**				
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

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)		
			N/A					1
	TOTALS	0	0	0	0	0	0.0000	37

PURCHASED POWER (Account 555)

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

Line No.	Purchased From (a)	Statistical Classification (b)	Import Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand (Specify Which)		
						Contract Demand (f)	Average Monthly Maximum Demand (g)	Annual Maximum Demand (h)
1	PASNY/NYPA	FP	x	Holyoke, MA	RS	2,554		
2	Stony Brook Peaking	O		Holyoke, MA	RS	4,817		
3	Seabrook No. 1	O	x	Holyoke, MA	RS	3,354		
4	Millstone No. 3	O	x	Holyoke, MA	RS	3,657		
5	Short-Term Power Purchases	FP		Mass Hub			4,752	8,000
6	NextEra Energy Power Mkt (Seabrook)	FP		Mass Hub			10,000	10,000
7	NextEra Energy Power Mkt (Seabrook 4MW)	FP		Mass Hub			4,000	4,000
8	Hydro Quebec I*	O	x	Holyoke, MA	RS			
9	NEPOOL OATT	O		Holyoke, MA	RS			
10	Hydro Quebec II*	O	x	Holyoke, MA	RS			
11	NU Localized Cost GRSP	O		Holyoke, MA	RS			
12	Cobble Mountain**	O		Holyoke, MA	RS	33,900		
13	Hancock Wind	O	x	Mass Hub	RS	6,032		
14	Hydro Quebec Energy (HQ System Mix)	FP	x	Mass Hub	RS	2,700		
15	NE Reliability Center	O		Holyoke, MA	RS	2,327		
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28	*Charges include flow rights revenue offsets received							
29								
30	**This Purchased Power Generations costs are netted in a Miscellaneous Income Account 0040-CM-421-421-00-4							
31								
32								
33								
34								
35								
36								
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.
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) 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).
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)	Killowatt-hours (k)	Cost of Energy (Omit Cents) Charges (l)	Energy Charges (m)	Other Charges (n)***	Total (o)	Cost per KWH (Cents) (0.0000) (p)	Line No.
60 Min.	115kv	16,474,730	125,525	81,060	165,578	372,163	2.2590	1
60 Min.	115kv	187,498	140,533	53,210	8,197	201,940	107.7025	2
60 Min.	115kv	29,959,976	841,699	139,780	2,725	984,204	3.2851	3
60 Min.	115kv	32,303,621	1,113,489	208,065	43,948	1,365,502	4.2271	4
60 Min.	115kv	10,608,000		461,018		461,018	4.3459	5
60 Min.	115kv	40,960,000		2,032,435		2,032,435	4.9620	6
60 Min.	115kv	35,136,000		1,427,927		1,427,927	4.0640	7
60 Min.	115kv		(70,371)		8,616	(61,755)		8
60 Min.	115kv				3,487,627	3,487,627		9
60 Min.	115kv		(142,874)		110,009	(32,865)		10
60 Min.	115kv				5,510	5,510		11
60 Min.	115kv	7,931,724	(623,732)	253,537		(370,195)	(4.6673)	12
60 Min.	115kv	13,868,209		746,478		746,478	5.3827	13
60 Min.	115kv	23,716,800		913,097		913,097	3.8500	14
60 Min.	115kv	671,516	343,726	26,258		369,984	55.0968	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
	TOTALS	211,818,074	1,727,995	6,342,865	3,832,210	11,903,070	5.6195	37

INTERCHANGE POWER (Included in Account 555)

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

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours Received (e)	Kilowatt-hours Delivered (f)	Kilowatt-hours Net Difference (g)	Amount of Settlement (h)
1	NEPEX		Holyoke, MA	115kv	375,693,095	402,414,637	(26,721,542)	(857,539)
2	ICAP Sales		Holyoke, MA	115kv				2,551,340
3	Aubin Prop (c/o Open Square)					1,906,538	(1,906,538)	64,536
4	Solar Constellation					4,977,500	(4,977,500)	334,663
5	Solar Citizens					873,269	(873,269)	54,028
6	Solar RICAR					1,101,948	(1,101,948)	68,100
7	Solar Mt Tom					4,497,503	(4,497,503)	216,330
8	Solar ReneSola Dinn					757,492	(757,492)	44,465
9	Solar ReneSola Kelly					705,859	(705,859)	41,434
10	Solar AEGIS					1,189,617	(1,189,617)	61,979
11	Solar Hadley Mills					375,236	(375,236)	21,914
12	Solar Gary Rome					971,595	(971,595)	47,608
13	Solar Conklin					910,477	(910,477)	58,535
14	Solar Riverside A-B					180,124	(180,124)	10,177
15	Solar Walnut Street					163,304	(163,304)	9,031
16	Solar Jackson					165,571	(165,571)	9,156
17	Solar B&G Club					201,945	(201,945)	11,168
18	Solar Kelly Way 2					716,972	(716,972)	33,483
19	Solar YMCA					188,230	(188,230)	10,409
20	Solar Resident & Commercial					125,462	(125,462)	8,782
21	Hydro					7,003,029	(7,003,029)	0
22	Nat Gas Generator (Cabot St)					38,362	(38,362)	2,523
23	Diesel Generators					245,725	(245,725)	246,922
24	Mt Tom Battery					(247,572)	247,572	345,155
25	Citizens Battery					(97,461)	97,461	(8,284)
26	ESG-H1					12,662,439	(12,662,439)	436,738
27	SWSC (c/o Cobble Mt)*		Westfield, MA	69kv		7,931,724	(7,931,724)	1,163,837
28	*This Purchased Power generation's costs are netted in a Miscellaneous Income Account 0040-CM-421-421-00-4							
29				TOTALS	375,693,095	449,959,525	(74,266,430)	4,986,490

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
30	NEPEX	Nepool Expenses	789,832
31	NEPEX	NEPEX Interchange	903,969
32	Aubin Prop (c/o Open Square)	Non Utility Generator	64,536
33	Solar Constellation	Non Utility Generator	334,663
34	Solar Citizens	Non Utility Generator	54,028
35	Solar RICAR	Non Utility Generator	68,100
36	Solar Mt Tom	Non Utility Generator	216,330
37	Solar ReneSola Dinn	Non Utility Generator	44,465
38	Solar ReneSola Kelly	Non Utility Generator	41,434
39	Solar AEGIS	Non Utility Generator	61,979
40	Solar Hadley Mills	Non Utility Generator	21,914
41	Solar Gary Rome	Non Utility Generator	47,608
42	Solar Conklin	Non Utility Generator	58,535
43	Solar Riverside A-B	Non Utility Generator	10,177
44	Solar Walnut Street	Non Utility Generator	9,031
45	Solar Jackson	Non Utility Generator	9,156
46	Solar B&G Club	Non Utility Generator	11,168
47	Solar Kelly Way 2	Non Utility Generator	33,483
48	Solar YMCA	Non Utility Generator	10,409
49	Solar Resident & Commercial	Non Utility Generator	8,782
50	Hydro	Load Reducer	0
51	Nat Gas Generator (Cabot St)	Load Reducer	2,523
52	Diesel Generators	Load Reducer	246,922
53	Mt Tom Battery	Non Utility Generator	345,155
54	Citizens Battery	Non Utility Generator	(8,284)
55	ESG-H1	Load Reducer	436,738
56	SWSC (c/o Cobble Mt)*	Non Utility Market Generator	1,163,837
57		TOTALS	4,986,490

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	SOURCES OF ENERGY			
2	Generation (excluding station use):			
3	Steam			0
4	Nuclear			
5	Hydro			221,799,273
6	Other			
7			Total Generation	221,799,273
8	Purchases			211,818,074
9		In (gross)	375,693,095	
10	Interchanges	Out (gross)	449,959,525	
11		Net (Kwh)		(74,266,430)
12		Received		
13	Transmission for/by others (wheeling)	Delivered		
14		Net (kwh)		
15			TOTAL	359,350,917
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			381,807,827
18	Sales for resale			0
19	Energy furnished without charge			711,882
20	Energy used by the company (excluding station use)			2,600,124
21	Electric department only			(39,613,164)
22	Energy losses:			
23	Transmission and conversion losses			
24	Distribution losses		13,844,248	
25	Unaccounted for losses			
26			Total Energy Losses	13,844,248
27	Energy losses as percent of total on line 15		3.85%	
28			TOTAL	359,350,917

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in killowatt-hours) for the combined sources of electric energy of respondent.
2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus 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.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

		MONTHLY PEAK					
Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) (See Inst 4) (g)
29	January	57,250	Mon	22	18:00	60 Min	33,263,330
30	February	49,797	Sun	18	18:00	60 Min	28,271,820
31	March	49,971	Sat	23	19:00	60 Min	28,186,390
32	April	46,444	Thur	4	11:00	60 Min	25,367,850
33	May	47,625	Sun	26	19:00	60 Min	26,103,960
34	June	64,785	Thur	20	15:00	60 Min	31,026,580
35	July	68,444	Wed	10	15:00	60 Min	36,508,867
36	August	62,624	Sat	3	17:00	60 Min	33,520,410
37	September	51,638	Sat	14	18:00	60 Min	28,362,230
38	October	44,342	Tues	29	12:00	60 Min	27,013,430
39	November	48,305	Fri	15	18:00	60 Min	28,239,490
40	December	56,002	Fri	6	17:00	60 Min	33,486,560
41						TOTAL	359,350,917

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)
		Cabot		Hadley Falls 1 & 2
1	Kind of plant (steam, hydro, int. com., gas turbine).....	STEAM		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		7,393
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		28
12	Net generation, exclusive of station use.....			151,139,880
13	Cost of plant (omit cents):			
14	Land and land rights.....	0		604,724
15	Structures and improvements.....	1,052,188		17,911,876
16	Reservoirs, dams, and waterways.....			15,582,201
17	Equipment costs.....	3,154		26,664,919
18	Roads, railroads, and bridges.....	0		36,375
19	Total Cost	1,055,342		60,800,095
20	Cost per kw of installed capacity	141		1,820
21	Production expenses:			
22	Operation supervision and engineering.....	68,265		842,937
23	Station labor.....			
24	Fuel.....	0		945,075
25	Supplies and expenses, including water.....	0		
26	Maintenance.....	2,663		6,909,745
27	Rents.....			0
28	Steam from other sources.....			
29	Steam transferred -- Credit.....	0		
30	Total Production Expenses	70,929		8,697,757
31	Expenses per net Kwh (5 places)	N/A		0.05755
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 Instuction 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 shold be included with the steam station.
10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses: (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (I)	Plant (j)	Line No.
						1
						2
						3
						4
						5
			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
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						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							
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							

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 lesse, 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: At Minimum Hydrogen Pressure (l)	Name Plate Rating in Kilowatts: At Maximum Hydrogen Pressure (m)	Hydrogen Pressure++: Min. (n)	Hydrogen Pressure++: Max. (o)	Power Factor (p)	Voltage K.v.+++ (q)	Station Capacity Maximum Name Plate Rating++++ (r)	Line No.
											1
											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			
2	Unit #1	Cabot Street	via Canal System		Vertical Francis	1923	20 Ft.
3	Unit #2				Vertical Francis	1923	20 Ft.
4	Unit #3				Vertical Francis	1923	20 Ft.
5	Unit #4				Vertical Francis	1923	20 Ft.
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			
11	Unit #1				Vertical Kaplan	1954	50 Ft.
12	Unit #2				Fixed Propeller	1984	50 Ft.
13							
14							
15							
16							
17							
18	Boatlock	Gatehouse Road	Connecticut River	Unattended			
19	Unit #1		via Canal System		Vertical Kaplan	2010	20 Ft.
20	Unit #2				Vertical Francis	1924	20 Ft.
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			
27	Unit #1		via Canal System		Vertical Kaplan	1935	22 Ft.
28	Unit #2				Vertical Kaplan	1935	22 Ft.
29							
30	Riverside 4-7	Water Street	Connecticut River	Unattended			
31	Unit #4		via Canal System		Horizontal Francis	1921	33 Ft.
32	Unit #5				Horizontal Francis	1921	33 Ft.
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.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.
5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels -- Continued					Generators				Total Installed Generating Capacity in Kilowatts (name place ratings) (q)	Line No.
Design Head (h)	R.P.M. (l)	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)		
										1
19'	200	322 HP	1923	4,800	3	60 cy	288	4	1,056	2
19'	200	322 HP	1923	4,800	3	60 cy	240			3
19'	180	386 HP	1923	4,800	3	60 cy	288			4
19'	180	386 HP	1923	4,800	3	60 cy	240			5
										6
19'	180	1017	1938	4,800	3	60 cy	800	1	800	7
										8
										9
										10
49'	122	22,750 HP	1954	13,800	3	60 cy	19,500	2	34,510	11
50'	150	20,777 HP	1984	6,900	3	60 cy	15,010			12
										13
										14
										15
										16
										17
										18
20'	240	944 HP	2010	6,900	3	60 cy	730	3	3,313	19
20'	106	1,850 HP	1924	6,600	3	60 cy	1,200			20
20'	106	1,850 HP	1924	6,600	3	60 cy	1,383			21
										22
20'	180	400 HP	1924	600	3	60 cy	300	1	300	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
						SUB TOTALS	48,619	17	48,619	38

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							
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10							
11							
12							
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32							
33							
34							
35							

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

HYDROELECTRIC GENERATING STATIONS -- Continued

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

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.
5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels -- Continued					Generators				Total Installed Generating Capacity in Kilowatts (name place 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)		
27'	277	1060 HP	1994	4,800	3	60 cy	790	1	790	1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
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										26
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										29
										30
										31
										32
										33
										34
						TOTALS	49,409	18	49,409	35

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, 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 operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1							
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							
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32							
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35							
36							
37							

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

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

4. Designate any generating station or portion thereof leases to another company and give name of lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.
5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year, explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers -- Continued		Generators							
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station (o)	Total Installed Generating Capacity in Kilowatts (name plate ratings) (p)	Line No.
									1
									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
									29
									30
									31
									32
									33
									34
									35
									36
					TOTALS				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 Commision, 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) Labor (h)	Fuel (I)	Other (j)	Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) (0.0000) (l)
1	Holy/Cabot 1-4*	1923	1,856	1,856	4,435,450	2,379,134	1,282	108,774		368,177	Hydro	10.7532
2	Beebe Holbrook							20,016		18,283		
3	Chemical	1935	1,600	1,600	5,482,588	1,497,973	936	45,923		92,847	Hydro	
4	Skinner	1924	300	300	1,023,848	704,929	2,350	20,772		22,316	Hydro	4.2084
5	Boatlock	1924	3,313	3,313	18,867,720	6,080,010	1,835	185,694		253,373	Hydro	2.3271
6	Riverside 4-7	1921	3,040	3,270	16,402,617	7,357,693	2,420	223,355		231,071	Hydro	2.7705
7	Riverside 8	1931	4,000	4,575	22,041,869	7,357,693	1,839	223,355		231,071	Hydro	2.0617
8	Valley Hydro	1994	790	790	2,405,301	1,233,625	1,562	3,292		1,808	Hydro	0.2120
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
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27												
28												
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30												
31												
32												
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34												
35												
36												
37												
38	TOTALS				70,659,393	26,611,056		831,182		1,218,947		2.9014

* 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 From (a)	Designation To (b)	Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles) On Structures of Line Designated (e)	Length (Pole Miles) On Structures of Another Line (f)	Number of Circuits (g)	Size of Conductor and Material (h)
1	Eversource Fairmont	HGE	115 KV	Steel Pole	0.03 miles		1	795 KCM
2	North Canal	North Canal						ACSR
3	TAP	Substation						
4								
5	Eversource	HGE	115 KV	Wood and	5.23 miles		1	795 KCM
6	Southampton	Ingleside		Steel Pole				ACSR
7	TAP	Substation						
8								
9	HGE	HGE	115 KV	Wood and	3.14 miles		1	795 KCM
10	Ingleside	Holyoke		Steel Pole				ACSR
11	Substation	Substation						
12								
13	HGE	HGE	115 KV	Wood and	0.85 miles		1	795 KCM
14	North Canal	Holyoke		Steel Pole				ACSR
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 reasor of sole ownership or lease, give name of co-pwner or other party explain basis of sharing expenses of other accounting betweer the parties and state amounts and accounts affected ir repondent's books of account. Specify in each case whethe lessor, co-owner, or other party is an associated company

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE Primary (c)	VOLTAGE Secondary (d)	VOLTAGE Tertiary (e)	Capacity of Substation in Kva (in Service) (f)	Number Of Trans-formers in Service (g)	Number of Spare Trans-formers (h)	Conversion Apparatus and Special Equipment Type of Equipment (i)	Conversion Apparatus and Special Equipment Number Of Units (j)	Conversion Apparatus and Special Equipment Total Capacity (k)
1	Holyoke Substation	Transmission	115,000				2				
2	102 Cabot Street (rear)	Distribution		13,800			@				
3	Holyoke, MA 01040				-	120,000	36/48/60 MVA	0			
4											
5	Ingleside Substation	Transmission	115,000				1 @ 18/24/30 MVA				
6	320 Whitney Avenue	Distribution		13,800			2 @ 16.8/22.4/28 MVA				
7	Holyoke, MA 01040	Unattended			-	86,000		0			
8											
9	North Canal Substation	Transmission	115,000				2 @				
10	50 Water Street	Distribution		34,500			36/48/60 MVA				
11	Holyoke, MA 01040	Unattended		13,800		180,000	2 @	0			
12							18/24/30 MVA				
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29					TOTALS	386,000	18	0		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	150.975		150.975
2	Added During Year	3.865		3.865
3	Retired During Year	(6.380)		(6.380)
4	Miles - End of Year	148.460	0.000	148.460
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	8,333	18,256	2,483	304,728
17	Additions during year:				
18	Purchased		2,728	100	12,330
19	Installed	74			
20	Associated with utility plant acquired				
21	Total Additions	74	2,728	100	12,330
22	Reductions during year:				
23	Retirements	2,532	2,532	28	1,063
24	Associated with utility plant sold				
25	Total Reductions	2,532	2,532	28	1,063
26	Number at End of Year	5,875	18,452	2,555	315,995
27	In stock		635		
28	Locked meters on customer's premises				
29	Inactive meters on system		284		
30	In customer's use		17,518		
31	In company's use		45		
32	Number at End of Year		18,482	2,555	315,995

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	112.680				
4	Non-Metallic Duct (encased)	89.833				
5						
6						
7						
8						
9						
10	Total - Beginning		195.618	34.5KV/19.9KV		
11				13.8KV/7.9KV		
12				4.8KV/600V		
13				480V/277		
14				240/208/120		
15						
16	Net Primary Installed		1.383	13.8/7.9/4.8KV		
17						
18	Net Secondary Installed		0.318	600/480/277		
19				240/208/120		
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35	TOTALS	252.891	197.319			

*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		Mercury Vapor		LED		Fluorescent	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1							WATTS		WATTS	
2	Holyoke, MA									
3										
4										
5										
6		0							170	
7		1,140					200			
8		1,106					100			
9		1,750					50			
10		183					60			
11		11					150			
12		20					70			
13										
14										
15										
16										
17										
18										
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38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49	TOTALS	4,210								

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	Gas Made						
2	Propane - Air Gas	0.0	0.0	0.0	0.0	0.0	0.0
3	LNG Gas	36,612.7	14,565.6	4,547.5	1,655.8	1,399.5	1,317.9
4	Gas						
5	Gas						
6	TOTAL	36,612.7	14,565.6	4,547.5	1,655.8	1,399.5	1,317.9
7							
8	Gas Purchased						
9	Natural G-6	1,738,564.0	260,276.7	226,398.4	213,456.6	119,134.2	88,207.6
10	Other - Storage	247,604.0	71,069.0	55,304.0	21,302.0	45,856.0	0.0
11	TOTAL	1,986,168.0	331,345.7	281,702.4	234,758.6	164,990.2	88,207.6
12	TOTAL MADE AND						
13	PURCHASED	2,022,780.6	345,911.3	286,249.9	236,414.4	166,389.7	89,525.5
14	Net change in Holder Gas	0.0	0.0	0.0	0.0	0.0	0.0
15	TOTAL SEND OUT	2,022,780.6	345,911.3	286,249.9	236,414.4	166,389.7	89,525.5
16							
17							
18							
19	Gas Sold (Firm)	1,866,565.4	294,972.5	293,765.2	236,443.7	189,303.5	107,650.7
	Gas Sold (Interr.)	90,754.4	14,952.0	12,106.2	12,039.2	7,288.6	3,505.9
	Electric Station Use	0.0	0.0	0.0	0.0	0.0	0.0
20	Gas Used by Company	(1,741.3)	(343.2)	(319.3)	(255.8)	(165.7)	(67.2)
	Sale for Resale	0.0	0.0	0.0	0.0	0.0	0.0
21	Gas Accounted For	1,955,578.6	309,581.2	305,552.1	248,227.1	196,426.4	111,089.4
22	Gas Unaccounted For	67,202.1	36,330.1	(19,302.2)	(11,812.7)	(30,036.7)	(21,563.9)
23	% Unaccounted For (0.00%)	3.32	10.50	(6.74)	(5.00)	(18.05)	(24.09)
24							
25							
26							
27	Sendout in 24 Hours in Mcf						
28	Maximum - Mcf	14,923.0	14,919	11,763	10,880	9,318	4,126
29	Maximum Date	1/20/2024	1/20/2024	2/19/2024	3/21/2024	4/4/2024	5/5/2024
30	Minimum - Mcf	1,752.0	7,829	5,471	4,565	2,666	1,923
31	Minimum Date	8/3/2024	1/12/2024	2/27/2024	3/14/2024	4/29/2024	5/26/2024
32							
33							
34							
35	S.O. BTU	1,033	1,034	1,034	1,032	1,032	1,030
	S.O. Sp. Gr.	0.59	0.59	0.59	0.59	0.59	0.59

Annual weighted average BTU content of gas sold: 1,032 BTU per Cubic Foot

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

June	July	August	September	October	November	December	Line No.
							1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
1,064.7	1,110.4	348.8	1,029.4	1,167.7	1,467.5	6,937.9	3
							4
							5
1,064.7	1,110.4	348.8	1,029.4	1,167.7	1,467.5	6,937.9	6
							7
							8
68,889.3	64,647.3	68,346.7	70,536.5	117,314.5	184,194.8	257,161.3	9
0.0	0.0	0.0	0.0	0.0	0.0	54,073.0	10
68,889.3	64,647.3	68,346.7	70,536.5	117,314.5	184,194.8	311,234.3	11
							12
69,954.0	65,757.6	68,695.5	71,565.9	118,482.2	185,662.3	318,172.3	13
0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
69,954.0	65,757.6	68,695.5	71,565.9	118,482.2	185,662.3	318,172.3	15
							16
							17
							18
75,228.5	63,521.8	58,250.2	66,024.8	90,908.4	138,576.7	251,919.2	19
2,915.7	2,902.9	2,742.2	2,727.1	5,792.0	8,697.0	15,085.7	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(31.6)	(1.4)	(5.6)	(24.3)	(73.8)	(138.2)	(315.2)	20
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
78,112.6	66,423.4	60,986.8	68,727.7	96,626.6	147,135.6	266,689.7	21
(8,158.6)	(665.7)	7,708.7	2,838.3	21,855.6	38,526.7	51,482.5	22
							23
(11.66)	(1.01)	11.22	3.97	18.45	20.75	16.18	
							24
							25
							26
							27
2,647	2,309	2,412	2,612	5,906	8,516	14,923	28
6/11/2024	7/1/2024	8/22/2024	9/23/2024	10/28/2024	11/30/2024	12/22/2024	29
1,990	1,752	1,838	1,912	2,272	2,729	6,216	30
6/4/2024	7/20/2024	8/3/2024	9/1/2024	10/5/2024	11/6/2024	12/30/2024	31
							32
							33
							34
1,030	1,031	1,031	1,031	1,031	1,033	1,036	35
0.59	0.59	0.59	0.59	0.59	0.59	0.59	

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			
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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	Cast Iron					
2	1 1/4"	0	0		0	0
3	1 1/2"	0	0		0	0
4	2"	0	0		0	0
5	2 1/2"	0	0		0	0
6	3"	5,515	0		90	5,425
7	4"	67,239	0		5,133	62,106
8	6"	77,970	0		4,909	73,061
9	8"	42,607	0		0	42,607
10	12"	27,777	0		0	27,777
11	16"	9,721	0		0	9,721
12						
13	Sub-Total	230,829	0	0	10,132	220,697
14	Welded Steel					
15	2"	108,593			170	108,423
16	3"	353			0	353
17	4"	78,567			115	78,452
18	6"	132,608	5		1,089	131,524
19	8"	105,559			0	105,559
20	10"	12,217			0	12,217
21	12"	58,736			0	58,736
22	14"	3,278			0	3,278
23	16"	1,246			0	1,246
24					0	
25	Sub-Total	501,157	5	0	1,374	499,788
26	Wrought Iron					
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	Plastic Main					
36	2"	80,808	1,989		0	82,797
37	4"	68,960	718		12	69,666
38	6"	38,936	5,492		1,400	43,028
39	8"	51,098	4,486		8	55,576
40						
41	Sub-Total	239,802	12,685	0	1,420	251,067
42						
43	TOTALS	971,787	12,690	0	12,926	971,551

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	8,220	3,517	14,021
2	Additions during year:			
3	Purchases	0	59	261
4	Installed	5	141	0
5	Associated with Plant acquired			
6	TOTAL ADDITIONS	5	200	261
7	Reductions during year			
8	Retirements	20	12	281
9	Associated with Plant sold			
10	TOTAL REDUCTIONS	20	12	281
11	NUMBER AT END OF YEAR	8,205	3,705	14,001

12	In Stock	2,031
13	On Customers' Premises - Inactive	436
14	On Customers' Premises - Active	11,513
15	In Company Use	21
16	NUMBER AT END OF YEAR	14,001
17	Number of Meters Tested by State Inspectors During Year	1,398

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
		SEE ATTACHED		

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 Marrero

Commissioner
Holyoke Gas and Electric
Department

James A. Sutter

HOLYOKE GAS AND ELECTRIC DEPARTMENT

12/31/2024

MDPU No			Effective	Replaces
172G	Interruptible Gas Service Schedule No 2	G2	01/10/24	137G
173G	Interruptible Gas Service Schedule No 6	G6	01/10/24	138G
174G	Gas Schedule "A"	GR	01/10/24	161G
175G	Gas Schedule "GB-1" Small General Service	B1	01/10/24	162G
176G	Gas Schedule "GB-2" Medium General Service	B2	01/10/24	163G
177G	Gas Schedule "GB-3" Large General Service	B3	01/10/24	164G
178G	Gas Schedule "GB-4" Industrial Contract Gas Service	G4	01/10/24	165G
179G	Gas Schedule "AG-1" Small General Service Agriculture	F1	01/10/24	166G
180G	Gas Schedule "AG-2" Medium General Service Agriculture	F2	01/10/24	167G
181G	Gas Schedule "AG-3" Large General Service Agriculture	F3	01/10/24	168G
170G	Gas Schedule "GB-5" Firm Service Tariff		07/01/23	151G
181E	Street & Traffic Lighting		08/12/09	176E
185E	Distributed Generation Purchased Power Clause		11/10/12	
186E	Power Wheeling Service		12/10/12	
188E	Meterbase Surge Protection		01/01/14	161E
191G/E	Economic Development Discount		06/04/14	171G/E/S
195E	Hydroelectric Power Reduction Clause		12/01/16	130E
196E	Standard Purchased Power Adjustment Clause		12/01/16	140E
206E	Schedule 3 Large Industrial II Contract Schedule		01/13/22	168E
216G/E	Rules and Regulations		05/13/20	193G/E
217E	Off-Street/Contract Lighting		02/17/21	194E
222E	Standby Facilities Clause		06/04/14	192E
224E	Large Industrial Contract Schedule		01/01/22	199E
227E	Residential Electric Schedule		01/01/23	218E
228E	Small Industrial Schedule		01/01/23	221E
229E	Community Shared Solar Residential Electric Schedule		01/11/23	219E
230E	General Service Electric Schedule		01/11/23	223E
234E	Large General Service Contract Schedule		01/01/24	231E
232E	Carbon Free Electric Pilot Rate Schedule		01/10/23	225E
233E	Commercial & Industrial Electric Vehicle Rate		01/01/23	New

INTERRUPTIBLE
GAS SERVICE SCHEDULE – G2 (No. 2 Fuel Oil)

AVAILABILITY

Interruptible gas service is available under this schedule for to Commercial and Industrial customers using No. 2 fuel oil who are located adjacent to the Department's existing distribution mains, which mains have adequate capacity so that gas delivered hereunder will not impair service to other customers.

Gas supplied hereunder shall be separately metered and used only in such equipment as approved by the Department. In no case shall the gas be used interchangeably with that supplied under any other rate schedule of the Department. Reference is made to the "dual-fuel" provisions contained herein.

CHARACTER OF SERVICE

An interruptible supply of gas containing not less than 1,000 BTU cubic foot.

RATE - APPLIED MONTHLY

Customer Charge: $25.00
All gas purchased under this schedule shall be computed at a rate in consideration of HG&E cost of service and fuel costs as well as market conditions of competing alternatives available.

Where:

No. 2 Oil Price ($/barrel): First business day of the month low posting at New Haven, CT (New Haven Harbor) per Oil Price Daily publication;

Oil BTU: 140,000 BTU/Gallon;

NOTICE OF PRICE CHANGE

Notice of price change will be indicated on monthly bill.

MINIMUM CHARGE

Customer charge per month.
The minimum charge under this rate schedule will be $1500 per year.

DISCOUNT

Discount does not apply to this schedule.

INTERRUPTION OF SERVICE

Gas supplied hereunder is subject to interruption at any time upon twelve (12) hours' notice, except under emergency conditions, to the customer who shall discontinue entirely the use of gas until notified by the Department that it is again available. The determination of the necessity for interrupting gas service shall be made solely by the Department in each instance and shall be final and binding. The interruption of gas service shall not be the basis for claims or damages, if any, sustained by the customer by reason of such interruption.

NON-COMPLIANCE WITH NOTICE TO DISCONTINUE USE
If the customer fails to discontinue the use of gas after receiving notice to do so from the Department, the bill for gas subsequently used shall be at the calculated rate greater of the two methods below:

- The existing rate plus $20.00 per mcf, however, if such failure to discontinue is due to the customer's dual-fuel equipment being temporarily inoperable, the Department at its sole discretion, may bill the customer for gas subsequently used during the emergency at the rate of $10.00 per mcf, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair the dual-fuel equipment; or,
- Two (2) times the energy equivalency (EE) for the month in which the gas was consumed, however, if such failure to discontinue is due to the customer's dual-fuel equipment being temporarily inoperable, the Department at its sole discretion, may bill the customer for gas subsequently used during the emergency at the rate of one and a half time (1.5) the EE, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair the dual-fuel equipment

The emergency rate shall be limited to a maximum of five (5) days per year at which point the full rate will be charged. Repeat offenses will be billed at the full rate, subject to the Department's sole discretion.

The Department reserves the right to turn off service to customers who fail to discontinue use during interruption periods at its sole discretion.

DUAL-FUEL EQUIPMENT
The customer shall install and maintain in usable condition dual-fuel burning equipment and keep on hand an adequate supply of alternate fuel use when gas service is interrupted. The Department reserves the right to inspect customer facilities to confirm dual-fuel capability and ensure that only dual-fuel capable equipment is connected to the gas service. Firm sales equipment shall be metered separately with any required pipe work to isolate firm and interruptible systems to be at the customer's expense.

TERM OF CONTRACT
The term of contract under this schedule shall be for an initial period of at least one year, at the expiration of which initial period it shall automatically renew itself for like one year periods thereafter unless terminated by the Department giving to the other notice in writing 30 days prior to the expiration of any supply year.

TERMS AND CONDITIONS
Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

INTERRUPTIBLE
GAS SERVICE SCHEDULE - G6 (Propane)

AVAILABILITY
Interruptible gas service is available under this schedule for to Commercial and Industrial customers using propane who are located adjacent to the Department's existing distribution mains, which mains have adequate capacity so that gas delivered hereunder will not impair service to other customers.

Gas supplied hereunder shall be separately metered and used only in such equipment as approved by the Department. In no case shall the gas be used interchangeably with that supplied under any other rate schedule of the Department. Reference is made to the "dual-fuel" provisions contained herein.

CHARACTER OF SERVICE
An interruptible supply of gas containing not less than 1,000 BTU cubic foot.

RATE - APPLIED MONTHLY
Customer Charge: $25.00
All gas purchased under this schedule shall be computed at a rate in consideration of HG&E cost of service and fuel costs as well as market conditions of competing alternatives available.

Where:

Propane Price ($/gallon): Most recent weekly average retail propane price as posted by the Massachusetts Department of Energy Resources as of the first business day of the month or through an internally conducted survey of at least three regional propane suppliers;

Propane BTU: 91,333 BTU / gallon.

NOTICE OF PRICE CHANGE
Notice of price change will be indicated on monthly bill.

MINIMUM CHARGE
Customer charge per month.
The minimum charge under this rate schedule will be $1500 per year.

DISCOUNT
Discount does not apply to this schedule.

INTERRUPTION OF SERVICE
Gas supplied hereunder is subject to interruption at any time upon twelve (12) hours' notice, except under emergency conditions, to the customer who shall discontinue entirely the use of gas until notified by the Department that it is again available. The determination of the necessity for interrupting gas service shall be made solely by the Department in each instance and shall be final and binding. The interruption of gas service shall not be the basis for claims or damages, if any, sustained by the customer by reason of such interruption.

NON-COMPLIANCE WITH NOTICE TO DISCONTINUE USE
If the customer fails to discontinue the use of gas after receiving notice to do so from the Department, the bill for gas subsequently used shall be at the calculated rate greater of the two methods below:

- The existing rate plus $20.00 per mcf, however, if such failure to discontinue is due to the customer's dual-fuel equipment being temporarily inoperable, the Department at its sole discretion, may bill the customer for gas subsequently used during the emergency at the rate of $10.00 per mcf, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair the dual-fuel equipment; or,
- Two (2) times the energy equivalency (EE) for the month in which the gas was consumed, however, if such failure to discontinue is due to the customer's dual-fuel equipment being temporarily inoperable, the Department at its sole discretion, may bill the customer for gas subsequently used during the emergency at the rate of one and a half time (1.5) the EE, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair the dual-fuel equipment

The emergency rate shall be limited to a maximum of five (5) days per year at which point the full rate will be charged. Repeat offenses will be billed at the full rate, subject to the Department's sole discretion.

The Department reserves the right to turn off service to customers who fail to discontinue use during interruption periods at its sole discretion.

DUAL-FUEL EQUIPMENT
The customer shall install and maintain in usable condition dual-fuel burning equipment and keep on hand an adequate supply of alternate fuel use when gas service is interrupted. The Department reserves the right to inspect customer facilities to confirm dual-fuel capability and ensure that only dual-fuel capable equipment is connected to the gas service. Firm sales equipment shall be metered separately with any required pipe work to isolate firm and interruptible systems to be at the customer's expense.

TERM OF CONTRACT
The term of contract under this schedule shall be for an initial period of at least one year, at the expiration of which initial period it shall automatically renew itself for like one year periods thereafter unless terminated by the Department giving to the other notice in writing 30 days prior to the expiration of any supply year.

TERMS AND CONDITIONS
Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

GAS SCHEDULE "A"

AVAILABILITY
Service under this schedule is available for all residential purposes in an individual private dwelling or an individual apartment. In the case of a multiple dwelling in which the energy is measured by a master meter, each step of the rate shall be multiplied by the number of apartments.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $12.50
First 40 ccf @ $1.230 per ccf
All Over 40 ccf @ $1.020 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "GB - 1"
SMALL GENERAL SERVICE

AVAILABILITY
Service under this schedule is available for commercial and industrial customers and municipal buildings having an annual usage of less than 5,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $25.00
First 200 ccf @ $ 1.020 per ccf
Excess 200 ccf @ $0.970 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "GB - 2"
MEDIUM GENERAL SERVICE

AVAILABILITY
Service under this schedule is available for commercial and industrial customers and municipal buildings having an annual usage greater than 5,000 ccf and less than 40,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $35.00
First 600 ccf @ $0.900 per ccf
Excess 600 ccf @ $0.850 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "GB - 3"
LARGE GENERAL SERVICE

AVAILABILITY
Service under this schedule is available for commercial and industrial customers and municipal buildings having an annual usage greater than 40,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $70.00
First 3,000 ccf @ $0.850 per ccf
Excess 3,000 ccf @ $0.800 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "GB - 4"
INDUSTRIAL CONTRACT GAS SERVICE

AVAILABILITY
Service under this schedule is available for industrial customers primarily engaged in manufacturing who have executed a long-term contract and who have an annual usage greater than 100,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $100.00
First 10,000 ccf @ $0.730 per ccf
Excess10,000 ccf @ $0.560 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "AG - 1"
SMALL GENERAL SERVICE AGRICULTURE

AVAILABILITY
Service under this schedule is available to persons or corporations engaged in the business of agriculture or farming having an annual usage of less than 5,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $22.50
First 200 ccf @ $0.920 per ccf
Excess 200 ccf @ $0.875 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This contract is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "AG - 2"
MEDIUM GENERAL SERVICE AGRICULTURE

AVAILABILITY
Service under this schedule is available to persons or corporations engaged in the business of agriculture or farming having an annual usage greater than 5,000 and less than 40,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $31.50
First 10,000 ccf @ $0.810 per ccf
Excess 10,000 ccf @ $0.765 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This contract is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "AG - 3"
LARGE GENERAL SERVICE AGRICULTURE

AVAILABILITY
Service under this schedule is available to persons or corporations engaged in the business of agriculture or farming having an annual usage greater than 40,000 ccf.

CHARACTER OF SERVICE
A continuous supply of gas not less than 1,000 BTU per cubic foot.

RATE - APPLIED MONTHLY
Customer Charge $63.00
First 10,000 ccf @ $0.765 per ccf
Excess 10,000 ccf @ $0.720 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet (ccf).

MINIMUM CHARGE
Customer charge per month.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED GAS ADJUSTMENT
There shall be an adjustment in rate due to cost of gas as provided in the Department's Standard Purchased Gas Adjustment Schedule in effect from time to time.

TERMS AND CONDITIONS
This contract is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed December 13, 2023 Effective January 10, 2024

GAS SCHEDULE "GB - 5"
FIRM SERVICE TARIFF

AVAILABILITY/TERMS

1. This firm service is only available to those customers which execute a contract for the service provided herein. Service under this rate shall only be available if HG&E has sufficient gas supply contracts to service the new load.

i. HG&E reserves the right to apply this rate to qualifying customers on a firm or interruptible basis based on gas supply availability at its sole discretion. These service terms will be specified in the executed contract.

2. This service is only available to those customers that use a minimum of approximately 2,000,000 ccf per year based on a 12-month calendar year average.

3. Monthly balancing service is a part of this tariff and is mandatory to all customers on this tariff.

4. The customer shall execute a nomination form with the Department which specifies the Maximum Daily Quantities of gas to be transported.

i. Maximum Daily Quantity: After consulting with the customer, the Department will assign a Maximum Daily Delivery Quantity (MDQ). The MDQ is defined as the maximum customer nomination for delivery of gas per day or the highest daily demand actually taken per day. This MDQ will remain in effect for the 12 month period following the execution of the transportation contract between the Department and the Customer. In the event that the customer exceeds this MDQ on any given day during any 12-month period, the Customer shall be considered to have immediately increased the MDQ to the actual maximum level consumed and such increased MDQ shall remain in effect for the next subsequent 12 months.

ii. The MDQ can be reset by the customer once per year if the customer can demonstrate that changes in their business operations will cause a permanent decrease in their MDQ.

iii. In the event of environmental or regulatory compliance testing requirements, the customer may seek preapproval to exceed the MDQ for two days per year. Approval shall be solely at HG&E's discretion.

5. The customer shall provide a nomination for the month, at least seven (7) days prior to the beginning of each month. The nomination shall include the total quantity of gas required for the month and the dates and durations of any planned shut downs.

6. HG&E shall purchase gas, to the extent that gas is available and able to be distributed to the customer, to cover 100% of the nominated usage volumes.

7. As a provision for the balancing services, the Department requires all transportation customers to have a real time metering. The customer shall be responsible for and make direct arrangements for transmitting information to the HG&E Gas Control Center via telephone lines or other approved means. The customer shall be responsible for the cost of the equipment necessary to transmit the real time metering information along with the cost of the telephone service. The telemetering equipment shall conform to the specifications of the Holyoke Gas & Electric Department.

8. Accounts shall be due and payable thirty (30) days after the date of rendering by the Department and if not paid when due shall be subject thereafter until paid to interest charges at a rate of 1% per month, compounded monthly.

Charges

1) Customer Charge $500 per month
2) The Local Distribution Charge (LDC) shall be $.450 per DTH.
3) Commodity Charges shall be calculated as follows:
   NYMEX close Henry Hub
   + The applicable variable transport (Fuel) x% times NYMEX settlement
   Current Charges (as of 4/1/2023):
   3.64% TGP Zone 1-6

   + The Applicable Commodity
   Current Charge:
   $0.2238 / MMBTU TGP Zone 1-6
   $0.0015 / MMBTU ACA Commodity surcharge
   $0.0018 / MMBTU PS-GHG Commodity Surcharge
   $0.0433 / MMBTU electric Power Cost Rate - Zone 1-6

   The Fuel charge and commodity rates shall be equal to the maximum charges allowed in the Tennessee Gas Pipeline (TGP) Tariff for FT-A contracts and shall be adjusted at any time the TGP tariff adjusts.
4) Demand Charges: Demand Charge shall be calculated as follows:

Fuel Premium

HG&E shall recoup the cost of the difference between any supplemental fuel required by transportation limitations or scheduled and non-scheduled pipeline interruptions, and the monthly NYMEX settlement price in effect. Supplemental fuels may include LNG, Liquefied Petroleum Gases, natural gas from alternate sources, or any other suitable and necessary type and source. Charge shall be calculated using the actual percentage basis of customer's consumption in relation to HG&E's system throughput for each day, with the following exception: During regular operations, in the absence of any non-LNG boil-off supplemental fuels, the charge shall be calculated using the MDQ percentage as calculated above, regardless of actual consumption of the alternate fuel consumed. (Customer to pay for their share of boil-off LNG, LNG vaporized for peak shaving, and any other non-pipeline fuel or source purchased at a premium to pipeline gas.)

Quantities used in calculations of cost shall be net of any Sales for Resale volume that may coincide in the period.

For customers on an interruptible tariff, if supply is made available when HG&E exceeds it pipeline capacity, customer shall be charged the full supplemental fuel premium (i.e. – 100% of customer's consumption for said Gas Day)

Production Energy

HG&E shall recoup the cost of energy used when LNG or other supplemental gas supply requires a source of energy (natural gas or other) for its production and delivery. A typical application is the

energy used to vaporize LNG and compress, stabilize, or otherwise treat -exclusive of odorizing, as needed for deliverability. The primary HG&E account is 10-812-00-1 "Gas Used in Utility Operations."

Quantities used in calculations of cost shall be net of any Sales for Resale volume that may coincide in the period.

Demand Charges

The following costs shall be assigned according to the MDQ percentage calculation, with values taken directly from HG&E monthly income statements.

Pipeline Demand Charges

Combination of transportation contract fixed charges for transporting natural gas from HG&E receipt points on the Tennessee Gas Pipeline and/or other system(s).

Supplier/LNG Demand Charges

Fixed contract charges for rights to purchase or store LNG, purchase and receive other fuels, independent of commodity and fuel transportation charges.

Other Supply Expenses

Non-categorized right and proper expenses related to management, procurement, and processing related to fuel supplies and rates.

Other Supply Labor

Non-categorized right and proper labor costs related to management, procurement, and processing related to fuel supplies and rates. Not to include benefits of any kind.

Production Supervision Labor

All right and proper labor costs related to the supervision of staff and management of the LNG and City Gate Station facility. Not to include benefits of any kind.

Production Expenses

All right and proper non-labor costs related to the operation and maintenance of the LNG and City Gate Station facility. Not to include benefits of any kind.

Production Labor

All right and proper labor costs related to the operation and maintenance of the LNG and City Gate Station facility. Not to include benefits of any kind.

Summary of Demand Charge Items and Accounts

5) Balancing Charges: Balance charges shall apply to Commodity Charges only.
   a. For gas purchased over the monthly nomination the charge shall be based upon the Commodity Charge calculation in Section 3 except the NYMEX close is replaced by the Henry Hub Natural Gas Spot Price, as reported by EIA, and it is multiplied by the appropriate percentage from the following table.

Monthly Over Deliveries to the Customer's Meter

	EIA Spot Price
0-10%	100%
10%-15%	115%
15%-20%	130%
20%+	140%

   b. For volumes of the monthly nomination not consumed will be purchased back purchased back at the average based upon the Commodity Charge calculation in Section 3 except the NYMEX close is replaced by the Henry Hub Natural Gas Spot Price, as reported by EIA, and it is multiplied by the appropriate percentage from the following table.

Monthly under Deliveries to the Customer's Meter

	EIA Spot Price
0-10%	100%
10%-15%	85%
15%-20%	70%
20%+	60%

For customers on interruptible service, the Demand Charges will be representative of the percentage of days in the month that gas was available for consumption. HG&E shall not be liable for any operational or financial impacts as a result of supply being curtailed under interruptible status on this rate schedule.

STREET & TRAFFIC LIGHTING

AVAILABILITY
Service under this rate schedule is available monthly for all municipal street lighting and traffic signal purposes in the City of Holyoke.

RATE-APPLIED MONTHLY
The monthly energy consumption billed for street lighting consists of three components: Multiple Street Lights, Unmetered Traffic Signals, and Decorative Street Lighting. The kWh contribution of each of the these components represents the monthly total kWh consumption billed at the applicable $/kWh rate which is determined for each annual period from July through June of the following year per Massachusetts General Laws Chapter 164, Section 58.

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

Other monthly charges that are billed to the City of Holyoke include, but are not limited to, the following: Daylight Savings Time (DST) Charge, Maintenance Charge, Deluxe HPS Charge, and Turn On/Off Charge.

The kWh contribution calculations, procedures, and details on monthly charges are in accordance with Department Policy #DB-1 entitled “Street & Traffic Light Billing”, in effect from time to time.

DISCOUNT
No discount applies to street & traffic lighting.

TERMS AND CONDITIONS
Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts", in effect from time to time, where not inconsistent with any specific provisions hereof.

DISTRIBUTED GENERATION PURCHASED POWER CLAUSE

AVAILABILITY

This clause is applicable to all electric rate schedules. Qualifying distributed generation (DG) systems hereinafter called "Facility" or "Facilities" include, but are not limited to: Photovoltaics, Wind, Hydroelectric, Biomass, Fuel Cells, Combined Heat and Power (CHP), and Municipal Solid Waste with generation facilities rated 500 kW or less. Any DG system rated greater than 500 kW needs to be contracted through Department under a separate written agreement. If customer proposes a different DG system than specifically stated above, then customer must provide written request to Department which will conduct a 30 day review to determine if such DG system is qualified or not under this clause.

RATE - APPLIED MONTHLY

A $2.00 monthly customer charge for the qualifying Facility meter shall be provided.

All monthly kWh produced by the Facility will be credited to the customer on their monthly invoice. The amount of credit due to customer includes a Wholesale Energy Rate applicable to the Facility type installed at customer site. The applicable Wholesale Energy Rate, specific to Facility types installed and/or requested within Department's service territory, will be posted and updated at Department discretion from time to time on its website as warranted. All other rates and charges in effect are not included in the credit amount.

Total credit due customer = (Monthly kWh produced by qualifying Facility) x (Wholesale Energy Rate in effect for applicable Facility type) - $2.00 monthly customer charge

There is no minimum amount on a monthly bill. Credit is based solely on kWh produced by the Facility. Payment to the customer will first be applied to any outstanding bills. If credit is greater than customer's bill, then the additional credit balance will be applied to the next monthly invoice.

As a further incentive to the Department's increase in carbon-free resources, qualifying Facilities will not be subject to a Standby Facilities Generation Charge. Additionally, photovoltaic (solar) projects will be eligible for applicable On-Peak Wholesale Energy Rate that is a higher credit than the monthly average applicable rate.

TERMS AND CONDITIONS

This rate is subject to termination at any time upon notice to the Department. Service is governed by the "Rules and Regulations" and the "Distribution Generation Policy" of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts, as in effect from time to time. The Department may impose additional Terms and Conditions, as it deems necessary, in its sole discretion, for the protection of its distribution system, service territory, or its customers. Failure of the Facility to comply with any of the referenced terms and conditions may result in disconnection of the Facility from the Department's system.

Filed October 10, 2012 Effective November 10, 2012

POWER WHEELING SERVICE

AVAILABILITY

This clause is applicable to any customer with generating facilities (Facility) for the purpose of wheeling (carrying) power to the 115 kV transmission system (Delivery Point), which is through and beyond the Department's applicable distribution and substation facilities. This is for customers who desire to sell any or all generation either into the wholesale market or to others via the interconnected power grid. The Department prohibits the selling of any generation to any other customer within the Department's service territory, with exception of separate agreements that can be executed between customer and Department. Capacity requested for, and any subsequent six (6) month advanced notice increase request, are contingent upon availability and at the discretion of the Department.

RATE - APPLIED MONTHLY

$ 4.26 per kilowatt of contracted capacity

It is intended that the above rate will be updated annually based on applicable cost variations to Department's distribution, substation, metering, and loss components as applicable to wheeling such power from customer's site to the Delivery Point.

There is no discount to the above rate. All bills shall be payable upon receipt. All bills unpaid after thirty (30) days will be subject to an interest charge of 1.5% per month on unpaid balance.

TERMS AND CONDITIONS

Customer will contract for a fixed monthly capacity reservation for a minimum period of three (3) years. Contract will continue on an annual basis thereafter. Contracted capacity shall equal the billable kilowatts of wheeled capacity irrespective of whether or not any energy was actually transported by HG&E and whether or not such actual wheeled capacity was at or below the contracted amount. Inadvertent excess and uncontracted capacity requirements (actual wheeled capacity above contracted amount) placed on the Department's system shall be billed at ten (10) times the above rate for such excess. The excess will continue to be billed at ten (10) times the above rate, until such time as the excess condition is removed or until contracted with the Department.

Connection to the Department's system shall be at customer expense, including any costs associated with metering and communications that allow for the Department to have real-time access to generator's status and performance. The Department shall determine the exact location of point of interconnection and Delivery Point.

Service is governed by the "Rules and Regulations" and the "Distribution Generation Policy" of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts, as in effect from time to time. The Department may impose additional Terms and Conditions, as it deems necessary, in its sole discretion, for the protection of its distribution system, service territory, or its customers. Failure of the Facility to comply with any of the referenced terms and conditions may result in disconnection of the Facility from the Department's system.

METERBASE SURGE PROTECTION

AVAILABILITY
This service is available to most residential and commercial customers who have single phase electric service**.**

RATE-APPLIED MONTHLY
Meterbase Surge Protection $4.25

DISCOUNT
No discount applies to meter base surge protection devices.

TERMS AND CONDITIONS
The above monthly rate for the meter base surge protection devices includes the cost of all material and labor.

This contract shall be for be in effect on the date the equipment is installed and will continue for a minimum term of forty-two (42) months from date of installation and is cancelable on thirty (30) days notice. If a device is used for less than forty-two (42) months, the customer will pay a $50 removal fee. There shall be no removal charge if agreement is canceled after the initial forty-two (42) month period.

Service is governed by the "Surge Protection Agreement" of the Holyoke Gas & Electric Department.

POINT OF USE OPTIONAL SERVICE
A warranty registration card will be required to be filled out by the customer upon the purchase of a point-of-use device and the City of Holyoke Gas & Electric Department will not be responsible for warranties and guarantees of the point-of-use device. Massachusetts State Sales Tax will be added to the cost of the point-of-use devices at the time of billing.

ECONOMIC DEVELOPMENT DISCOUNT

AVAILABILITY

Service under this schedule is available for Holyoke customers who meet Department requirements per Terms and Conditions. Discounts as follows will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

DISCOUNT

	Year 1	Year 2	Year 3
Gas & Electric	10%	10%	10%

TERMS AND CONDITIONS

This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts", the “Economic Development Discount Program”, and the “First Time Homebuyer Terms & Agreements”. No discounts shall apply to Renewable Energy Charge, Assistance provided under Energy Conservation Program, any charges or fees not specifically included within the applicable gas and/or electric rate schedule(s), and any special services rate schedule (i.e. contract lighting, surge protection, ..).

HYDROELECTRIC POWER ADJUSTMENT CLAUSE

AVAILABILITY

This clause is applicable to Department electric rate schedules which provide service to residential customers only.

HYDROPOWER ADJUSTMENT

The cost per KWH for all energy will be adjusted due to the power costs resulting from the purchase by the Department of hydroelectric power from the Niagara project. The adjustment in cost per KWH will be determined by computing any savings in power costs from the Niagara Project including production, fuel and transmission costs and dividing by the concurrent KWH sold for residential purposes. The credit applied will be adjusted from time to time such that the savings in power costs will accrue entirely to the Department's residential customers.

Filed November 1, 2016 Effective December 1, 2016

STANDARD PURCHASED POWER ADJUSTMENT CLAUSE

AVAILABILITY

This clause is applicable to all electric rate schedules.

PURCHASED POWER ADJUSTMENT

The cost per KWH for all energy will be adjusted upward or downward for changes in fuel and purchased power costs including transmission above or below the base amount of $.065 per KWH. When the total cost of fuel, purchased power, and transmission varies above or below the above base cost a charge or credit per KWH will be applied to all energy sold such that the cost or credit will be recovered or returned over time.

LARGE INDUSTRIAL II CONTRACT SCHEDULE

AVAILABILITY

Service under this schedule is available to industrial users who are primarily engaged in manufacturing who have executed a long term contract, have approximately a minimum monthly demand of 1500 KW and approximately an average annual consumption of 12,000,000 kWh per year.

RATE – APPLIED MONTHLY (2023 Rates)

Customer Charge $500.00

	Billed Rate Consumption $/kWh	Billed Rate Demand $/kW
Energy Charge:	0.05021	11.78
Transmission Charge:	0.00369	6.01
Distribution Fixed:	0.00406	0.00
Distribution Variable:	0.00302	4.96
Renewable Energy Charge:	0.00050	

DEMAND

The demand charge will be the highest thirty-minute average demand during the Department's on-peak hours for the billing period.

POWER FACTOR CHARGE

An additional charge of $.001 per kWh will be added to bills in any month where a power factor of 85% is not maintained.

RATE ADJUSTMENTS

The rates shown above will be in place from July 1, 2023 through June 30, 2028. Rate changes, if any, per long term contract will occur January 1st of each year and remain in effect through end of each calendar year.

TERMS AND CONDITIONS

Bills are due and payable as described in long term contract. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts".

A Renewable Energy charge established by the State Legislature shall be accessed which allows customer's participation in the Massachusetts Renewable Energy Trust. Current rate level which has remained unchanged since January 1, 2003 is shown

Filed: July 12, 2023 Effective: August 6, 2023

CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

LARGE INDUSTRIAL II CONTRACT SCHEDULE

AVAILABILITY

Service under this schedule is available to industrial users who are primarily engaged in manufacturing who have executed a long term contract, have approximately a minimum monthly demand of 1500 KW and approximately an average annual consumption of 12,000,000 kWh per year.

RATE – APPLIED MONTHLY (2024 Rates)

Customer Charge $500.00

	Billed Rate Consumption $/kWh	Billed Rate Demand $/kW
Energy Charge:	0.05400	12.67
Transmission Charge:	0.00396	6.45
Distribution Fixed:	0.00406	0.00
Distribution Variable:	0.00314	5.16
Renewable Energy Charge:	0.00050	

DEMAND

The demand charge will be the highest thirty-minute average demand during the Department's on-peak hours for the billing period.

POWER FACTOR CHARGE

An additional charge of $.001 per kWh will be added to bills in any month where a power factor of 85% is not maintained.

RATE ADJUSTMENTS

The rates shown above will be in place from July 1, 2023 through June 30, 2028. Rate changes, if any, per long term contract will occur January 1st of each year and remain in effect through end of each calendar year.

TERMS AND CONDITIONS

Bills are due and payable as described in long term contract. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts".

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Filed: July 12, 2023 Effective: August 6, 2023

CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

Mass. DPU 216 G/E
Replaces Mass. DPU 193 G/E

HOLYOKE GAS & ELECTRIC

RULES AND REGULATIONS

Filed May 13, 2020

Effective June 15, 2020

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Overview

These Rules and Regulations are applicable to and made a part of all service classifications. This applies to all customers, or potential customers, requiring electric and/or gas service within the franchise area of The City of Holyoke Gas and Electric Department, hereinafter referred to as HG&E. Any terms and conditions that are inconsistent with any specific provisions of any service classification shall not apply.

Section One: Customer Service

Application for Service

Application for service must be made either in person at the Main Office of HG&E, 99 Suffolk Street, Holyoke, MA, or electronically at www.hged.com. Service will be initiated, in most cases, within 48 hours after receipt of all information required.

Applicants for service must present the following:

1. Complete application for service.
2. Payment for any previous account balances. Please note you may be responsible for unpaid liens.
3. Two (2) forms of valid identification, with one being a photo.
    a. State Identification Card
    b. Social Security Card
    c. Driver's License
    d. Passport
    e. Birth Certificate
4. A deposit may be required after a review of all available credit information.
5. Evidence of authority:
    a. Residential Rental Property: applicants must provide a lease or rental agreement.
    b. Homeowners: purchase and sale agreement.
    c. Commercial Property: depending on how the account is set up, applicants must provide any one of the following,
        i. For accounts where the application is signed by the individual whose name appears on the deed, the applicant must provide a copy of the deed.
        ii. For accounts where the application is a Doing Business As (DBA), the applicant must provide a Business Certificate or Certificate of Occupancy.
        iii. For accounts where the application is a Limited Liability Corporation (LLC) or Incorporated (Inc), the applicant must provide a Certificate of Organization.

If a person, other than the customer of record, begins to use service without first notifying HG&E in person, and allowing HG&E personnel to read the meter, such person will be considered a customer and held financially responsible for the amount due for service from the date on which the previous customer terminated service or the date on which such person first began to take service, whichever is later. HG&E will calculate this amount based on reasonable verification of the date on which such person became a customer. Once HG&E finds use by

a non-customer, HG&E will terminate service until the new customer completes an application and pays for such calculated use. HG&E reserves the right to refuse service, at any location, to an applicant who is indebted to HG&E for any service furnished to such applicant; however, HG&E shall commence service if the applicant has paid the past due balance and completed all required paperwork.

The customer, having entire control of equipment beyond the meter, is responsible for any leakage, waste, or theft of gas or electric which may occur after it has left the meter. In situations where metered supply is not exclusive to a tenant, the tenant's landlord will be the customer of record under this section.

When a customer applies for service, HG&E will give the customer a description of the rates available and will provide the customer details on the most appropriate rate available based on the customer's description of the service characteristics. If HG&E is subsequently notified by a customer of a change of the customer's service characteristics, the most appropriate rate will be given to that customer; however, responsibility for selecting the most appropriate rate remains the sole responsibility of the customer, subject to the provisions of the Schedule of Rates. HG&E will not be liable for any claim that service provided to any customer might have been less expensive or more advantageous to such customer if supplied under a different rate. Unless specifically stated to the contrary, all rates are based on the supply of service to the customer throughout the twelve (12) months of the year and are not subject to change more than once in a twelve (12) month period.

Start, Stop, or Move Service

1. Start Service:
    a. Activate an existing electric or natural gas service: If your new location previously received electric or natural gas service from HG&E, already has a meter and qualifies for restoration of service, visit our Main Office during normal business hours, or electronically at www.hged.com. New customers will need to supply two valid forms of identification, including a government issued form of photo identification (see Application for Service). You also will be required to sign an application form. A deposit may be required based on available credit information.
    b. Install a new service: See Gas Section (Page 17) or Electric Section (Page 22).

2. Stop Service:
    a. Terminating service is as easy as giving HG&E Customer Service a call at (413) 536-9300, option 2, visiting the Main Office, or electronically at www.hged.com. We do require 24 hour notice to terminate service. Please note that only the customer of record can terminate service. We will verify your personal information prior to terminating any account. Customers are responsible for all energy consumed until we have been notified to terminate service and we have been provided access to the meters.
    b. HG&E reserves the right to refuse or discontinue service under the following conditions, and in accordance with and subject to applicable statutes, and duly adopted regulations of the Department of Public Utilities of the Commonwealth of Massachusetts, as in effect from time to time:
        i. if any bills for service or for charges in contracts for the extension of service are in arrears where equitable payment arrangements cannot be made for such arrearages,

ii. if the customer fails to comply with the ordinances or regulations of duly constituted authorities or of the National Board of Fire Underwriters, or fails to supply at their expense proper certificates of compliance with such ordinances or regulations at HG&E's request,
iii. if prior indebtedness of a customer for the same class of service at the same or another location is not paid in full before service is established, or equitable payment arrangements are not established,
iv. if a former customer who is indebted to the company attempts by fraud to obtain service, until such time as payment or equitable payment arrangement is made for all money said customer owes HG&E,
v. if a successor to a customer subject to a contract for the extension of service refuses to pay the amount required thereunder,
vi. if HG&E determines that an unsafe operating condition exists or develops, or
vii. if a gas moratorium exists and the service would not qualify for restoration of service.

c. HG&E, upon reasonable notice, may discontinue service for the following reasons:
   i. for any purpose of making non-emergency permanent or temporary repairs, changes, or improvements in any part of its system,
   ii. for compliance in good faith with any government order or directive,
   iii. any of the following acts or omissions on the part of the customer:
      1. Non-payment of a valid bill for service furnished at a present or previous location,
      2. Customer moves from the premise, unless customer requests that service be continued,
      3. Service is provided to others (sub-metering),
      4. Failure to provide payment as provided for in these terms and conditions,
      5. The customer's installation poses a potential hazard to life or property, or
      6. Customer refuses reasonable access to HG&E's employees

d. HG&E may discontinue service immediately for the following reasons:
   i. for any purpose of making emergency permanent or temporary repairs in any part of its system,
   ii. Tampering with any facility of HG&E by customer,
   iii. Connecting and operating equipment of customer in a manner so as to produce disturbing effects on the service of HG&E or other customers, or
   iv. The customer's installation poses an immediate hazard to life or property

3. Move Service: If you will be moving from one location to a new location within HG&E's service territory, please visit the Main Office or electronically at www.hged.com. Customers will need to supply two valid forms of identification, including a government issued form of photo identification (see Application for Service). An additional deposit may be required based on customer credit history.

Authorized Personnel

Service to any customer shall not be turned on or off by anyone other than an authorized agent of HG&E. This applies to all classes of service, including, but not limited to, residential, commercial, and industrial.

HG&E employees or agents authorized to enter upon a customer's premise are provided with identification cards, which will be shown upon request. Customers are advised not to admit to their premises anyone claiming to represent HG&E, unless they can produce a proper identification card.

Deposits

Any required deposit shall be determined in accordance with regulations set forth by the Massachusetts Department of Public Utilities (DPU) and Massachusetts General Laws, Charter 164, Section 58A and may be equivalent to the total of the three (3) highest estimated billings for a twelve (12) month period.

Deposits shall be held on an account until the account is terminated and will then be refunded to the customer of record. Deposits retained for more than six (6) months will accrue interest per Massachusetts General Laws, Chapter 164, Section 58A.

Deposits for **Starting** Service

Residential Customer Deposit:

- A deposit may be required for residential customers who are non-homeowners. Deposits may also be required from homeowners if credit history is poor.
- New-service applicants who pose no credit risk, as indicated by a Green Light returned on the ONLINE Utility Exchange (or equivalent), will be charged no deposit.
- New-service applicants who pose minimal risk, as indicated by a Yellow Light returned on the ONLINE Utility Exchange (or equivalent), will be charged a deposit of $125.00.
- New-service applicants who pose substantial credit risk, as indicated by a Red Light returned on the ONLINE Utility Exchange (or equivalent), will be charged a deposit of $300.00
- If service has been terminated due to non-payment and a new customer, who has been living at the subject service address, per the same lease agreement applicable to the terminated service, wishes to establish service in their name, that customer will be subject to a deposit equivalent to the average of the three (3) highest estimated billings for a twelve (12) month period.
- A service applicant who provides a social security number that is returned as deceased, non-issued, belonging to a person under the age of 18, or belonging to a person other than the applicant, or is fraudulent, shall be required to provide a valid social security number as well as additional proof of identity (i.e. valid driver's license, Social Security Card, etc.) before service will be activated.
- HG&E cannot demand that an applicant provide their social security number as a requirement for service. However, it is our policy that applicants who refuse to provide their social security number pose a greater credit risk and shall be charged the maximum deposit.
- Existing customers who move and did not have a deposit on file and have a bad payment history will be charged $300.00.

These deposits must be paid prior to receiving service. All deposits must be paid in cash, or by a money order, before new service will be authorized. Deposits may not be paid with a credit card unless the customer has been billed for the deposit amount.

Commercial Customer Deposit:

- Payment of deposit is required to initiate service.
- The deposit amount is equal to the total of the three highest estimated billings for a twelve month period or estimated billing at the same or a comparable commercial service address for the previous 12 months.
- The deposit will be held on account until the account is terminated, and will be refunded to the customer of record.
- Consideration on deposits will be given if the customer opts for one of the following alternatives: 1) The application for the commercial account is signed by the individual whose name appears on the deed for the property; 2) the customer enrolls in auto payment arrangement, however, any default on an auto payment arrangement shall require a deposit to continue service; 3) the customer has existing deposits with HG&E for other accounts, that in the sole opinion of the Customer Service Supervisor are deemed sufficient to cover the new account, and the customer gives HG&E an acceptable pledge of existing deposits, or surety bond for all accounts.

Getting Your Deposit Waived

Residential customers may be eligible to have their deposit waived with:

- Favorable result from ONLINE Utility Exchange report (or equivalent).
- City of Holyoke Gas & Electric (HG&E) Account History:

HG&E may waive a required deposit if a customer demonstrates a good credit history with HG&E.

A good credit history must include the following, at a minimum:

- No disconnections for non-payment,
- No late payments,
- No outstanding balances, and
- 12 months of consecutive service

Getting Your Deposit Refunded

HG&E will refund deposits to customer accounts, including interest earned, when service is discontinued by customer. HG&E deposit will be refunded in the month after compliance with the following:

- The total balance due has been paid, and
- Residential customers with **one year of good payment** history may request to have their deposit returned if a record of satisfactory compliance with **Customer Payment Standards**.

Bankruptcy

It is the policy of HG&E that, within 21 days after the date of the order for relief, a customer that has filed for bankruptcy furnish adequate assurance of payment, in the form of a deposit in accordance with Section 366 of the Bankruptcy Code and Massachusetts General Laws c. 164, SS 58A. A sufficient deposit to secure the payment for gas or electricity in the amount of 3 months estimated payments will be required.

Fees

A fee of $30.00 per meter will be charged to all customer classes for the initiation of service. This charge will be placed on the first bill. In the event that HG&E has to make more than one trip to access a property for a turn on/off, a trip charge equal to the first 30 minutes of the applicable service rate will apply for each extra trip.

A fee of $25.00 will be charged to any customer after a first returned check for insufficient funds. There is no charge for the first offense. This charge also applies to Auto Pay customers. Auto Pay customers will be removed from Auto Pay after a second offense.

Meter Reading

1. Estimated Billing: A reading obtained from either a HG&E remote meter reading system or from a physical visit from an HG&E representative is considered an actual read. HG&E shall obtain a physical meter reading from an HG&E representative at least once every three (3) years. If HG&E is unable to read the meter when scheduled for any reason, or if the meter for any reason fails to register the correct amount of gas and/or electricity supplied or the correct demand of any customer for a period of time, HG&E shall make a reasonable estimate of the consumption of gas and/or electricity during those months when the meter is not read, based on available data, and such estimated bills shall be payable as rendered.

2. Access to Meters: A properly identified and authorized representative of HG&E shall have the right to gain access at all reasonable times and intervals, including using the services of a locksmith for the purpose of reading, installing, examining, testing, repairing, replacing, or removing HG&E meters, meter reading devices, wires, or other electrical equipment and appliances, or of discontinuing service, in accordance with Mass General Law Chapter 164, Section 116, Mass DPU regulations, and HG&E policy, and the customer shall not prevent or hinder HG&E's access.

3. There are situations that require HG&E to enter a premise in order to obtain a meter reading, initiate or terminate gas or electric service, or perform other maintenance on HG&E equipment at the premises. If a tenant terminates service and the landlord refuses access to HG&E, the account will be placed in the name of the landlord until the landlord provides access to HG&E.

4. Accuracy of Meter: HG&E shall maintain the accuracy of all metering equipment pursuant hereto by regular testing and calibration in accordance with recognized standards. Any meter which does not vary more than 2% above or below the recognized comparative standard shall be considered accurate. After

a thorough investigation by HG&E, a customer may request HG&E to test the accuracy of any of its metering equipment installed upon the customer's premises. HG&E may, at its option, and with proper notification and cost estimates provided to the customer, assess a minimum fee of $25 or the actual costs of services rendered per each meter test if the meter is found to be accurate. If the meter does not register accurately, no fee will be assessed to the customer and any appropriate adjustment/rebilling shall be made.

This fee applies to all electric meters and only to gas meters up to a capacity of 1000 cubic feet per hour. Meters larger than 1000 cubic feet per hour will be assessed a fee equal to the crew time required to exchange the meter and relight all affected equipment.

5. Pulse Output: A customer may request pulse outputs from a gas or electric meter by submitting a completed Application for Meter Pulse Output. HG&E is not responsible for any false or misinterpreted pulse readings by the customer. Also, since not all locations are capable of providing pulses, the cost to provide pulses, including any necessary instrumentation, labor and materials will be at the expense of the customer. HG&E reserves the right to terminate the pulse outputs at any time at their sole discretion.

   For more information see Gas Metering (Page 17) or Electric Metering (Page 23).

6. Remote Metering Opt-Out Program: This service is available for any customer who requests an alternative meter that does not have wireless communication.

   A one-time installation fee will be applied to the customer due to the services required to replace the existing metering. This will include: i) the removal of the existing meter, ii) procurement, testing, and installation of the alternative meter, iii) spare inventory, and iv) all back-office functions required. Any meter(s), electric or gas, that are located inside a dwelling (or otherwise inaccessible as determined by HG&E) shall be moved to a suitable outside location agreeable to HG&E at full cost to the customer.

   The first meter to be replaced is $29/month and $4.50/month for each additional meter. There will be an additional charge to a customer bill to support the administrative, labor, and maintenance costs of manual meter reading. If a customer participates in HG&E's Auto Pay, then the frequency of the meter reads can be reduced from twelve to four per year and the aforementioned rates would occur just four times per year but spread out over a full annual period.

Billing

Unless otherwise specified in the service classifications, rates and charges are based on monthly cycle billing. HG&E will schedule meters to be read and billed on a monthly basis.

All bills are due when rendered and payable within 45 days at the Main Office, at any authorized collector, or online at www.hged.com/payonline. If payment is received by HG&E, together with any arrearage, within fifteen (15) days of rendering, a ten percent (10%) prompt payment discount shall apply as well as any special discounts given for any reason.

Bills shall be deemed rendered and any other notices duly given when delivered to the customer personally or when mailed to the customer at the premises supplied, or at the last known address of the customer or when left at either of such places.

If and whenever the customer is in arrears of any bill due to HG&E, or in case of violation of any terms and conditions under which service and/or material is supplied to the customer, HG&E may shut off the supply of electric and/or gas and may enter the customer's premises and remove the meters, piping, cabling, and other materials which have been installed at HG&E's expense. Meters may also be remotely shut off and turned on. HG&E is not liable for any damages that may be caused due to a service turn-on or turn-off, whether remote or otherwise. The customer agrees to take all necessary steps to assure that all appliances are clear and free of any objects that may cause damage to the property where service is being initiated or restored.

In the event that service has been shut off due to nonpayment, the following charges will apply:

1. If the service is terminated, one of the following charges plus the overdue balance must be paid, in cash or money order only, prior to service restoration. In the event that service it turned on after hours, the customer must make this payment the following business day. Failure to make this payment will result in the service being terminated.

$35.00	If the service is restored, Monday through Friday, 8:30 AM to 4:30 PM.
$135.00	If the service is restored by the Service Department after 4:30 PM during the week or anytime on Saturday or Sunday.

Additional charge(s) may apply:

$25.00	If the service is not shut off, but we made a trip to customer.

2. If an outside gas or electric crew terminates service, a fee of **$175.00** will be required prior to restoration for the shut off during the hours of 7:00 AM and 3:00 PM on weekdays excluding holidays. A fee of $300.00 will be required for restoration by a crew outside of these hours.

If a check is returned on a pending shut off notice, only cash or a money order will be accepted to restore service.

Residential customers having two (2) personal checks returned for insufficient funds in one (1) year must make payment with cash, bank check, or money order for one (1) full year. Customers on Auto Pay will be removed from Auto Pay after two (2) returned payments and must pay a deposit to continue service.

Commercial customers having two (2) business checks returned for insufficient funds in one (1) year must make payment with cash, bank check, or money order for one (1) full year. Customers on Auto Pay will be removed from Auto Pay after two (2) returned payments and must pay a deposit to continue service.

Limitations of Liability

There are no warranties regarding service including those involving merchantability and fitness for a particular purpose, or arising out of a course of dealing or usage of trade. The sale is made "as is".

Nothing in these Rules and Regulations shall be construed as placing upon HG&E any responsibility for the condition, maintenance, or safety of a customer's appliances, pipes, electric main and service cabling, or other equipment; and HG&E shall not be responsible for any loss or damage resulting from defects, failures, or malfunctions in or originating in any pipes, appliances, electric main and service cabling, or other equipment which is not owned by HG&E. HG&E shall not be responsible for damage to persons or property arising from the use of gas and/or electricity and the presence of gas or electricity or HG&E's equipment on the premises of the customer.

Notwithstanding any other provisions of this or any other rule and regulation:

1. It is the responsibility of the customer to protect themselves, any third parties, and any property from the use, misuse, and/or availability of electric and/or gas on their premises and from the consequences of the use, misuse, and/or availability of electric and/or gas on their premises.

2. It is the responsibility of customers to provide, install, use, inspect, and maintain suitable safety and protective devices to guard themselves, life, and property from any defect, failure, or malfunction in or originating in any pipes, appliances, electric main and service cabling, or other equipment which is not owned by HG&E; and to protect themselves, life, and property from the consequences of any defect, failure, or malfunction in or originating in any pipes, appliances, electric main and service cabling, or other equipment which is not owned by HG&E.

By accepting service from HG&E and paying the current rates, the customer agrees that HG&E shall not be liable in any direct or indirect manner for any interruption, reduction, abnormal pressure or voltage, discontinuance or reversal of HG&E's service, due to causes beyond its immediate control, whether caused by fire, explosion, flood, weather conditions, accident, labor difficulties, conditions of fuel supply, the acts of any public authority, reduction in pressure or voltage, selected interruptions or black-outs, or failure to receive any gas and/or electricity for which in any manner it has contracted, or due to the operation in accordance with good utility practice of an emergency interruption and/or load reduction program by HG&E or one with whom HG&E has contracted for the supply of gas and/or electricity or inability for any other reason to maintain uninterrupted and continuous service; provided, however, that if HG&E is unable to supply gas and/or electricity for a continuous period of forty-eight (48) hours or more to firm service customers, that upon written request of the customer, charges, if any, shall be suspended for the remaining duration of such interruption.

The customer also agrees that HG&E shall not be liable for damages or injuries to the customer or any third person resulting from the use of services or the presence of HG&E's meters or appurtenances upon the customer's premises. The customer further agrees that HG&E shall not be liable for any damage to customer's equipment due to any cause.

These Rules and Regulations are severable. Any holding by a Court of competent jurisdiction that a word, phrase, or portion of these Rules and Regulations are unenforceable shall not affect the enforcement of the remainder of these Rules and Regulations. These Rules and Regulations shall be enforceable to the fullest extent of the law.

Incentive & Discount Programs

Energy Conservation Program

1. Residential: This program is available to residential class customers who own their own home and wish to install or upgrade gas fired boilers, furnaces, conversion burners, hot water heaters, heat pumps, and/or central air conditioning as well as solar thermal or solar generation. In the event of a gas moratorium, the terms of the moratorium will supersede this section. Other energy conservation or efficiency measures may also be considered under this program provided an energy audit is performed prior to submitting an application or such energy audit is waived by HG&E upon review at the request of customer. The program provides assistance granted at 0% interest up to $5,000 for an owner occupied single family unit and $10,000 for an owner occupied multi-family unit up to $5,000/unit. The length of the program is sixty (60) months. For assistance less than $2,000, the maximum period for payback will be thirty-six (36) months. Solar generation projects are eligible for assistance at 0% up to $10,000 with a length of the program at one hundred twenty (120) months. Applicants are required to pay a $100 administrative fee to participate in the program. Assistance is provided for products installed no more than ninety (90) days before the receipt of application and work completed within twelve (12) months of application. Program benefits do not apply to new home or building construction. If a customer participates in the Energy Conservation Program, they are still eligible for other HG&E incentive programs such as First Time Home Buyer incentive and Energy Star rebates. Siding, roof replacements, and on-site electric generation (other than solar) are not covered under this program. Applicant's building must receive gas or electric service from HG&E. In the case of heating, water heating and cooling equipment installations, the building in question must purchase the required fuel from HG&E. In the case of solar installations the customer must purchase electric from HG&E. Additional program details are included on the application form.

2. Commercial/Industrial: This program is available to commercial and industrial class utility customers and to owners of non-owner occupied residential investment properties who wish to install or upgrade gas fired boilers, furnaces, conversion burners, hot water heaters, heat pumps, and/or central air conditioning as well as solar thermal or solar generation. In the event of a gas moratorium, the terms of the moratorium will supersede this section. Other energy conservation or efficiency measures may also be considered under this program provided an energy audit is performed prior to submitting an application. The program provides assistance granted at 0% interest up to $20,000 for a non-owner occupied multi-family investment property up to $2,500/unit. Requests for installation of energy efficient lighting or manufacturing equipment are handled on a case-by-case basis. The length of the program is on average sixty (60) months, however will be customized in length to be reflective of payback periods anticipated for such program work. Solar generation projects are eligible for assistance at 0% up to $10,000 with a length of the program at one hundred twenty (120) months. Applicants are required to pay a $100 administrative fee to participate in the program. Assistance is provided for products installed no more than ninety (90) days before the receipt of application and work completed within twelve (12) months of application. If a customer participates in the Energy Conversation Program, they are still eligible for other HG&E incentive programs, including the Economic Development

Discount. Siding, roof replacements, and on-site electric generation (other than solar) are not covered under this program. Applicant's building must receive gas or electric service from HG&E. In the case of heating, water heating and cooling equipment installations, the building in question must purchase the required fuel from HG&E. In the case of solar installations the customer must purchase electric from HG&E. Additional program details are included on the application form.

In order to apply for this program, the customer must complete the program application and submit it to HG&E Customer Service with the following information:

1. Copy of recorded Deed clearly showing the book #, page # & date recorded,
2. Written proposal signed by the contractor performing the work indicating the equipment being installed meets the energy efficiency terms of the program, and
3. A copy of an energy audit performed by HG&E's energy audit vendor, if applicable.

If the customer is approved, this information is used to produce a contract between HG&E and the customer which details the terms and conditions and provides HG&E with a municipal lien to secure payment. Once the work has been completed, the customer must submit all receipts, invoices, window labels or proof of Energy Star rating with U-factor, and proof of installation form as applicable before a check is processed. The payment will appear as a separate line item on the customer's bill.

Economic Development Discount Program

1. First Time Homebuyer (Residential): This program is available to residential customers who are new to Holyoke (Southampton residents are not included in the program). Discounts on gas and/or electric services, in addition to the 10% prompt payment discount, are offered at 10% for each of the first three (3) years. This program is governed by the "First Time Homebuyer Terms & Agreements", which is amended from time to time.
2. Economic Development Discount (Commercial): This program is available to all commercial/industrial customer classes who are new to Holyoke (Southampton businesses are not included in the program). Discounts on gas and/or electric services, in addition to the 10% prompt payment discount, are offered at 10% for each of the first three (3) years. The term of this contract is ten (10) years during which time the customer agrees to purchase all energy requirements, as applicable, from HG&E. Also, non-residential customer classes are eligible to reapply for another three (3) year term of discounts on expanded portions of their energy load. These programs are governed by the "Economic Development Discount Program" which is amended from time to time.

Section Two: Gas

Classifications of Service

Where a question arises as to which classification applies, HG&E will decide on the basis of its regulations. There are three (3) types of gas service classified by HG&E:

1. Firm Gas Service: Under this service, HG&E undertakes to supply, when available, the full requirement of the customer to the limit of the capacity of the installed service.

2. Interruptible Service: The amount of gas available at any time for customers under this classification is the portion of the total amount of natural gas, if any, available under HG&E's existing contract demand quantity, in excess of the amount of natural gas required to meet the demand of HG&E's firm gas customers. HG&E may curtail gas being supplied hereunder whenever the available supply of gas is insufficient to supply all of HG&E's requirements. HG&E will endeavor to give customers advance notice whenever a curtailment is required and the customer shall curtail the use of gas at the time and to the extent requested by HG&E. HG&E shall not be liable for any loss of production or for any damages whatsoever by reason of any such curtailment or because of the lack of advance notice.

   Service under this schedule is not available for firm, standby, or supplementary purposes or space heating service or to any type of business or for any use where, in the opinion of HG&E, it is not feasible or safe to interrupt the deliveries of gas because of the customer's apparatus or equipment.

   Such interruption will normally occur during the five (5) month winter period from November 1st thru March 31st of each year. However, the right of HG&E to interrupt service under this schedule shall not be limited to said period. It is the responsibility of the customer to provide HG&E with the current proper contacts for interruption notices.

   In the event that a customer fails to discontinue use of gas under this schedule after notification by HG&E or uses gas during the five (5) month winter period between November 1st and March 31st without specific authorization by HG&E, then all gas consumed shall be paid for by the customer at the rate prescribed in the formal Rate Schedule. HG&E reserves the right to terminate gas service for continued failure to comply with interruption notices.

3. Firm Transportation Service:
   a. This service is applicable to all gas purchased by a customer from a third party producer or marketer. The gas must be delivered to HG&E's distribution system via an interstate pipeline. Once HG&E has received the gas, HG&E will transport the gas to the customer's premises on a firm basis. This service is only available to those customers that execute a 12-month contract for the service provided herein.
   b. Optional standby sales service is also offered under this rate. Customers opting not to purchase standby service shall have no right or claim to gas provided by HG&E.

c. Daily and monthly balancing service is a part of this tariff and is mandatory to all customers on this tariff.
d. As a provision for the balancing services, HG&E requires all transportation customers to have real time metering. The customer shall be responsible for and make direct arrangements for transmitting information to the Mueller Road Control Center via telephone lines or direct communication mediums such as copper or fiber. The customer shall be responsible for the cost of the equipment necessary to transmit the real time metering information along with the cost of the communication service. The telemetering equipment shall conform to the specifications of HG&E.
e. This service provides for the firm transportation of third party gas delivered to HG&E on behalf of a customer. Under this service, HG&E will deliver such gas as received by the third party to the customer's burner tip. This transportation service is firm only to the extent that the third party gas is delivered to HG&E. This service is applicable only to customers which transport more than 2,000,000 ccf/year.

Installations

Before laying gas lines on any premises, the customer, or a tenant, may be required to obtain and file with HG&E, permission from the owner including an easement, if necessary, to lay the gas line and perform the installation.

Due to the unusual expense of excavating for gas line installation in frozen ground, rock, or other reason causing more than ordinary difficulty, HG&E will make a special agreement with the owners as to the price of the gas line installation.

HG&E shall apply for any necessary street permits and shall not be required to supply service until a reasonable time after such permits are granted. For all other necessary permits, the customer shall obtain rights at their expense.

1. Extension of Mains: HG&E may extend an existing gas main to serve a new customer if HG&E finds that the expense of such extension is warranted. Whenever the estimated income from a customer does not warrant the necessary expense of making service available to an applicant, HG&E will require a minimum monthly payment over a stipulated period of time, cash payment, or both, in order for HG&E to be assured of repayment for the investment necessary to supply such service.

2. Temporary Service: HG&E does not provide for temporary gas service. (In this connection, interruptible service is not to be construed as temporary service.)

3. New Gas Line: HG&E will install the first one hundred (100) feet of gas lines up to an outside riser or the first fitting inside the building, at no charge to the customer, if the indicated revenue for space heating or water heating is sufficient, in HG&E's opinion, for repayment of the investment necessary to supply such service. Otherwise, the customer shall pay to HG&E the expenses of installing the service from the property line to the building at the rate listed in Section 4 on the Application for New Gas Service.

HG&E reserves the right to determine the point of gas line entrances and the location of its equipment on the customer's premises. The customer is required to provide, maintain, and protect without cost to HG&E, suitable space for HG&E's equipment, which is required to be readily accessible to HG&E employees, safe from injury or damage, protected from the elements, and from access by any unauthorized person.

4. Building Piping (New): For ease of access and less future disruption, meters for new services will be located outside. If HG&E cannot determine a suitable outdoor location, the customer shall provide a location within 5 feet of the foundation wall for the meter. All piping downstream of the meter shall be done in accordance with the "Massachusetts Fuel Gas and Plumbing Code" (248CMR 1.00 - 7.00) by a "Qualified Installer" as defined in 248CMR 2.04 (2)(a) and 248CMR 4.00 of the Massachusetts code at the sole expense of the customer. This provision shall apply to buildings that previously had gas but the gas service was disconnected from the main due to inactivity.

   HG&E shall either install the buried service line and leave provisions for a meter, meter bar, regulator bracket, or bank header, or, at its discretion, require customer piping be installed and inspected by the local authority prior to service installation. In such case, the building piping shall be extended by the customer to a point designated by HG&E and the customer shall be responsible for the final connection(s) from the meter outlet(s) to the customer pipe(s). HG&E or its authorized agent shall install all buried service lines.

   HG&E may refuse gas service to any customer when, in the opinion of HG&E, the building piping does not meet the minimum standards prescribed by 49 CFR 190 - 199, CMR 220 and the "Massachusetts Code For Installation of Gas Appliances and Gas Piping." These regulations shall apply to any customer regardless of whether said customer is the owner of the building or a tenant.

5. Repair or Replacement of Gas Service Lines and Interior Piping: Any existing buried gas line or portion thereof found by HG&E to be no longer serviceable shall be replaced up to, at furthest, the connection to an outside meter or to the first interior fitting in the case of inside meters, at the expense of the HG&E. The replacement or repair of lines downstream of an outside meter-less riser, buried inter-wall or floor bend, or first interior fitting shall be performed at the expense of the property owner. Where practical, HG&E will repair inside leaks downstream of the first interior fitting at the expense of the property owner. Upon repair, HG&E shall determine if further work is required and provide cost estimates to the property owner for completing such work provided the work does not require a Gas Fitters license. If, in the opinion of HG&E, the interior piping after the first interior fitting and upstream of a meter or bank of meters is no longer serviceable, HG&E shall provide an estimate to relocate the meters outside of the building or to an interior location that is as close as practical to the service entrance. Whenever possible, the property owner will be given ample time to accept the estimate and have piping installed to the new meters or to make arrangements for other fuel sources. If, in the opinion of HG&E, the existing interior building piping either upstream or downstream of the meter or bank of meters cannot be safely repaired or an immediate hazard exists, the gas will be shut off and the

owner will be notified. Service lines that are not actively being used by a customer may not be renewed, be renewed or replaced solely at HG&E's discretion.

6. Resale of Gas: All gas furnished by HG&E shall be used on the premises to which it is delivered. The customer shall not sell, assign, or otherwise directly or indirectly dispose of it to others, except through its inclusion in a fixed rent.

7. Service Upgrade: Customers upgrading equipment on their gas service must inform HG&E of the proposed changes. An existing gas line found to be too small for the proposed additional load will be replaced and the customer will pay for the cost of the upgrade unless the indicated increased revenue is sufficient, in HG&E's opinion, for repayment of the investment necessary to supply such upgrade.

   A minimum charge of $300 or the actual cost of the upgrade, including overhead, will be charged for service line upgrades required for the installation of a stand-by generator or pool heater. This charge will also apply to customers that request a service line be moved to accommodate other construction on the property.

8. In the event of a gas moratorium or other extenuating circumstance that would restrict HG&E's ability to supply natural gas service, HG&E reserves the right to deny service to premises requesting new natural gas service or an increase in connected gas load actively consuming gas. Additionally, premises with equipment not actively consuming gas within the previous twelve month period will not have gas service restored or such inactive lines renewed and/or replaced. For connected equipment not currently active, HG&E reserves the right to discontinue service to that component. Locations found to violate the terms of the moratorium will be subject to gas service disconnect.

Gas Metering

Gas meters shall be furnished and installed by HG&E at locations designated by HG&E. HG&E shall determine the type and size of the meter. Meters shall be so located as to permit ease of reading, maintenance, and accessibility. Keys shall be required from the property owner where meters are located in a secure location. If keys are not submitted to HG&E within a reasonable timeframe, HG&E reserve the right to enter the secure location and bill the property owner as required.

The customer must permit regular access to meters for the purpose of reading, inspection, and/or leak surveying at reasonable hours of the day. The owner of any building that undergoes a substantial rehabilitation or heating system replacement shall re-pipe all appliances or living unit feed pipes to a new meter or bank of meters located outside or as close as practical to the service entrance, at a location determined by HG&E.

All meters and other materials and appliances installed in the customer's premises at the expense of HG&E are to be and remain the property of HG&E and may be removed by HG&E whenever service is discontinued for any reasons.

Gas meters are required to be replaced every seven (7) years as stated in Mass General Laws, Chapter 164, Section 115A. HG&E will make every effort to accommodate customers' availability when attempting to replace a gas meter.

Customer Gas Equipment

No customer shall be allowed to connect or operate appliances if, in the judgment of HG&E, the use of such appliance or equipment will result in a lowering of the quality of service to a nearby customer.

No new or replacement appliance shall be connected which, in the opinion of HG&E or its agents, is not properly equipped with approved safety devices in good working order, as prescribed by a nationally recognized testing agency, such as the American Gas Association or Laboratories and Underwriters' Laboratories, Inc., or if the equipment does not comply with the "Massachusetts Code for Installation of Gas Appliances and Gas Piping".

Existing equipment that, in the opinion of HG&E or its agents, is not properly equipped with approved safety devices in good working order, as prescribed by a nationally recognized testing agency, such as the American Gas Association or Underwriters' Laboratories, Inc., or if the equipment does not comply with the "Massachusetts Code for Installation of Gas Appliances and Gas Piping" shall be turned off by HG&E in order to prevent their operation until such time they can be operated safely.

Appliance Repair Policy

HG&E services and repairs the following appliances for a fee at the customer's premises:

Boilers (Gas)	Hot Water Heaters (Gas/Electric)
Furnaces (Gas/Electric)	Ranges (Gas/Electric)
Clothes Dryers (Gas/Electric)	Room Space Heaters (Gas)
Gas Fired Incinerators (Gas)	Unit Heaters (Gas)

HG&E, at its discretion, may also service and repair other customer equipment as qualifications allow. HG&E also services some commercial and industrial gas-fired equipment except gas-fired pilots for oil burning furnaces. HG&E charges for the labor, parts, and materials used in the repair of customer equipment and appliances according to the approved service fee schedule.

Sale of Appliances

HG&E does not sell any appliances.

Gas Leaks

Any gas leak or suspected gas leak should be immediately reported to HG&E. Upon receiving a complaint of a gas leak, a qualified HG&E representative will be dispatched to investigate.

HG&E's 24-hour emergency number is (413) 536-9300.

Section Three: Electric

Classifications of Electric Service

All services, temporary or permanent, including such services disconnected for any reason for at least six (6) months, must be inspected and approved by the local wiring inspector before HG&E will connect such services to its system. HG&E will determine whether a service is to be supplied overhead or underground and the exact location of the service entrance and metering. HG&E, at its discretion, may reimburse a customer for relocating any backyard, alleyway, or inaccessible service to the street. A Request for Service form must be submitted before any service can be reviewed by engineering. No service will be energized without receiving a properly completed Request for Service form. Any and all plans for service must be approved by HG&E prior to final design and construction. Any construction performed prior to obtaining HG&E approval is subject to revision. **As required, appropriate easements must be obtained prior to installation of new or relocated facilities**. A written cost estimate, sufficient to justify all expenses to be charged to a customer, shall be provided to the customer upon request.

1. Temporary: Temporary service is a service that will not continue for a sufficient period of time to justify a permanent service. For such service, the customer's electrician must provide a means of attachment for wires to install a fused switch, meter socket, and driven ground according to the NEC.

   Temporary construction requiring more than a 125-foot extension of low voltage conductor or the installation of conduits, poles, high voltage lines, transformers, etc. shall be at the customer's expense. Temporary service extensions, which are to be used later for permanent service, shall not be charged to the customer except insofar as the customer is otherwise liable as part of the permanent service.

   Energy consumed shall be billed at the appropriate rate. A temporary service shall be disconnected as soon as possible. An installation charge of $200.00 shall be required for each temporary service required and must be paid prior to connection.

   It is the customer's responsibility to notify HG&E when temporary service is to be discontinued, typically within one year. All electric service will be discontinued at that time.

2. Permanent – Overhead: Overhead service will be installed to only one (1) point on any building at no cost to the customer, subject to distance and height limitations. More than one (1) connection point is at the sole discretion of the local wiring inspector and final approval of HG&E. HG&E will determine the point(s) of attachment of its wires to any structure. The point(s) of attachment must be located such that the clearances specified in Article 230-24 of the latest version of National Electrical Safety Code (NESC), can be maintained. HG&E will maintain the service to such point of attachment and assumes no responsibility beyond it.

   An overhead service, which is more than 125 feet from an existing electric pole, may require the installation of a pole and additional time to schedule. This pole will be installed by HG&E at no cost.

Additional poles and facilities beyond this pole will be at the customer's expense. Extensions of distribution facilities installed by HG&E at the customer's expense because of distance limitations shall become the property of HG&E when connected to its lines and HG&E shall maintain them. Replacement of those poles and facilities beyond 125 feet may be at the customer's expense depending on annual energy revenues and other factors determined appropriate by HG&E.

The maximum single-phase service from an overhead distribution system is 400 A, including the total rated capacity for multiple main switches, unless otherwise approved by HG&E.

3. Permanent – Underground: Underground service will be installed to only one (1) point of entry on any building unless otherwise approved by both the local wiring inspector and HG&E. HG&E will determine this point of entry and maintain all services to such point of entry, except as elsewhere stated, and assume no responsibility beyond it.

   An underground residential service conductor extension that is more than 125 feet from an existing electric junction point shall be at the customer's expense except as otherwise stated. Extensions of distribution facilities installed by HG&E at the customer's expense because of distance limitations shall become the property of HG&E when connected to its lines and HG&E shall maintain them.

   Commercial and industrial customers are responsible for the installation of their underground service to a location designated by HG&E.

   The maximum single-phase service from an underground distribution system is 800 A, including the total rated capacity for multiple main switches, unless otherwise approved by HG&E.

   Secondary Installation: The customer must provide a trench no less than 24" deep from the service entrance to a HG&E designated electric pole or underground junction point. If it is necessary, HG&E will dig the trench and bill the customer as required.

   The customer is to install HG&E approved conduit for all secondary conductors on private property. HG&E will designate the size and number of conduits including spares that is required. The following serves as a guide to these minimum requirements; however, the customer must contact HG&E prior to commencement of work. Generally, a single 3" minimum electric grade, schedule 40 PVC conduit will be used to connect an underground service lateral and a separate 2" minimum electric grade, schedule 40 PVC conduit stubbed approximately 6" above grade at the service location. For connection to the overhead system, a 3" schedule 80 PVC conduit will be used with a twenty-four (24) inch radius sweep to the pole and continue to a point ten (10) feet up the pole. Exposed conduit and a minimum twenty-four (24) inch radius sweep at the meter shall be schedule 40 PVC with a slip joint except when the meter is located in a vehicle accessible area where schedule 80 PVC shall then be required.

Primary installation: The customer must provide a trench no less than 30" deep from a padmounted transformer or cabinet to a HG&E designated electric pole or underground junction point. If it is necessary, HG&E will dig the trench and bill the customer as required.

A total of two (2) four 4" minimum electrical grade schedule 40 PVC conduit is required. Where installation is accessible to vehicle traffic, HG&E will make the determination on whether to use steel, schedule 80 PVC, or DB120 conduit or stronger encased in concrete for conduit installations. When service is from a pole, the customer must provide conduit for primary conductors from a point ten (10) feet up the pole to the transformer. Exposed conduit and a minimum twenty-four (24) inch radius sweep at the pole shall be schedule 80 PVC.

At the interchange between HG&E's and customer's conductors, HG&E will make the secondary connections at HG&E's expense and will supply the connectors for services 400 A or less. Multiple or larger connectors, when required, shall be provided by the customer and installed by HG&E. The customer shall leave sufficient length of cable for HG&E to make proper connections to the transformer. In no case shall conductors have less than a thirty-six (36) inch lead. The customer will be responsible for the placing of holes for the conduit entrance in the foundation, sealing of conduits where they enter the building, maintaining and repairing such conduit entrance area, and, depending on the particular location, the customer may be required to install any conduit and cabling through the building entrance and inside the building.

When, with HG&E's approval, service conductors terminate in a main switch, the customer shall provide the connectors and pay for all materials and labor that is required more than three (3) feet inside the building.

The following general rules apply where the service requires an individual transformer. Special circumstances may require HG&E at its discretion to modify the requirements of each party.

a. The customer will supply all primary conduits, manholes/handholes, and other underground structures on private property per HG&E specifications.
b. The customer will supply a transformer pad (vault) and ground grid constructed to HG&E specifications.
c. The customer will provide all trenching, conduit, and restoration on private property and may be required to do so in the public way depending on project requirements.
d. For all services greater than 400 A, the customer will supply all secondary services, including conductors, conduit, and connectors, from HG&E mains to the customer's service entrance. The customer's service begins at the transformer secondary terminals and these services are the property of the customer and are not maintained by HG&E.
e. The customer will supply excavation for manholes/handholes, where required.
f. HG&E will supply the primary conductors.
g. HG&E will supply the transformer(s).

It is important that HG&E be notified of service requirements as early as possible due to long delivery times in obtaining certain materials necessary to supply service to large customers.

Underground distribution will be installed in all new residential subdivisions. It will be the responsibility of the developer and/or property owner to provide adequate lot line and grade markers and obtain proper easements required to receive electric service. The developer and/or property owner shall also pay for the installed cost of the infrastructure which shall include an adequate amount of street lighting as determined by HG&E. Underground lines cannot be installed until the site is sub-graded to within six (6) inches of finished grade and water and sewer utilities are installed. Plot plans must be submitted to HG&E prior to construction for electrical layout and design. No service will be provided without HG&E approval.

4. Emergency: Emergency backup service will be provided only under unusual circumstances; such as where it is necessary for public health or safety or in the case of longer than normal power outages. When the customer specifically requests such service, the customer shall be responsible for the entire cost of providing this service and thereafter for applicable monthly costs under the Standby Facilities Clause. HG&E will not guarantee to dedicate this emergency service to the customer and it may not always be possible to provide such service.

5. Relocation or Covering: Whenever electric lines, including any and all overhead or underground facilities, must be relocated or covered for the convenience of the customer and such relocation or covering involves more than one (1) hour of labor or it involves materials not normally carried on a line truck, HG&E shall bill the customer actual cost of the material and any labor beyond one (1) hour. Any lost or damaged material shall be billed to the customer.

6. Protection of HG&E Equipment: The customer shall furnish and maintain, at no cost to HG&E, the necessary space, housing, fencing, barriers, and foundations for the protection of the equipment to be installed upon the customer's premises, whether such equipment is furnished by the customer or HG&E. If the customer refuses, HG&E may at its option charge the customer for furnishing and maintaining the necessary protection of the equipment. Such space, housing, fencing, barriers, and foundations shall be in conformity with applicable laws and regulations and subject to HG&E specifications and approval.

Voltage

Standard single-phase three wire secondary services are supplied at either 120/240 volts or 120/208 volts depending on location and character of load. Standard three-phase four wire secondary services include 208Y/120 volt or 480Y/277 volt. HG&E decides which voltage is available depending upon the location.

Six hundred volt service will not be supplied to new locations or to locations where service at this voltage has previously been removed. HG&E reserves the right to discontinue 600 volt service by supplying transformers to the customer to allow the customer to convert a standard voltage to 600 volts.

Three-phase, three wire, delta services (240, 480, or 600 volts) are no longer offered. Any changes or additions to existing delta services shall only be made with the approval of HG&E.

Primary service can be supplied at 13.8 kV or 34.5 kV as available and at the discretion of HG&E.

In accordance with the latest versions of the National Electric Code (NEC) and Massachusetts Electrical Code (MEC), there shall be only one (1) service of any one (1) voltage to each building except by special permission of the local wiring inspector. More than one (1) voltage characteristic may be supplied to each building at the discretion of HG&E. Firewalls meeting applicable safety code requirements shall be considered separate buildings.

Electric Metering

1. Installation: Electric meters will be furnished and installed by HG&E at locations to be designated by HG&E. HG&E shall determine the sizes, types, and quantities of meters. HG&E may at any time change any meter previously installed. The customer shall be responsible for furnishing and installing, as directed, the appropriate meter socket(s). Meter sockets shall be placed outside when a service is changed or upgraded unless otherwise approved by HG&E. HG&E reserves the right to temporarily shut off service to any customer whose meter socket is in poor condition and/or is a safety hazard to our personnel until it is repaired or replaced. The customer shall also be responsible for providing an instrument transformer enclosure of the approved type when required. Mounting of instrument transformers are performed by the electrical contractor; wiring by HG&E.

   Should a customer request a new meter or request that a communication device be attached to the existing meter, HG&E shall provide, install, test, and maintain the meter and/or communication device. The requested meter and/or communication device must meet HG&E's requirements. The customer shall bear the cost of providing and installing the meter and/or communication device. Upon installation, the meter and/or communication device shall become the property of the HG&E and be maintained by HG&E. HG&E shall bill the customer upon installation.

   Wherever primary metering is employed, HG&E will allow a 2% discount on consumption to compensate for losses and transformer ownership. If a customer requests HG&E to own and maintain transformers under a primary metering application, then HG&E will allow a 1% discount on consumption to compensate for losses. If transformers are owned by the customer under a secondary metering application, HG&E allows a 1% discount in addition to the 10% prompt payment discount on the monthly bill. The primary metering and transformer discounts do not apply to the Large General Service rate schedule, as this rate is provided at primary not secondary voltage. With the exception of those customers grandfathered by previous contracts, HG&E will assume no responsibility beyond the metering point; therefore, the customer must also own the transformers needed to step voltage down to the utilization voltage(s). HG&E reserves the right to hold a customer responsible for a primary metered service once an existing electric account has changed names. Primary metering is not normally used for loads under 1000 kVA.

All three-phase 480Y/277 volt services and those services fed off the 216Y/125 volt network shall be installed as “cold sequence” (main disconnect is ahead of the meter) and all other self-contained single-phase or three-phase 208Y/120 volt secondary metered services shall be installed as “hot sequence” (meter is ahead of the main disconnect) unless otherwise allowed by HG&E.

In multiple dwellings, meter sockets shall be permanently marked before the meter is set to identify the apartment, area, or load to be measured by each meter.

Detailed information on any individual installation can be obtained from the HG&E Meter Department. Meters may not be removed and/or the seal broken without prior permission. If done so, the customer may be subject to labor and material charges associated with installing new meters and/or seals as well as estimated billing for any usage not recorded and possible criminal charges for meter tampering.

2. Location: Electric meters shall be located to provide, and continue to provide, ease of reading, maintenance, and accessibility. Meters will not be allowed in locations where, in the opinion of HG&E, they are likely to be damaged and/or difficult to read and/or inaccessible. Keys shall be required from the property owner where meters are located in a secure location. If keys are not submitted to HG&E within a reasonable timeframe, HG&E reserves the right to enter the secure location and bill the property owner as required. Unless unusual circumstances exist, meters will be located outdoors. The top of these meters shall not be more than six (6) feet from ground level and the bottom of the meter not less than three (3) feet from ground level unless approved otherwise by HG&E.

3. Sub-Metering & Check Metering: The resale of electricity furnished by HG&E, based on the registration of customer owned metering devices, is defined as sub-metering and is not permitted. A customer may monitor his own usage through the use of approved meters, computers, or other metering devices. Such metering is defined as check metering.

4. Diversion & Meter Tampering: When HG&E discontinues the supply of electricity, it may seal such service and meter switch by padlocking, replace the plug-type fuses with blank or “dummy” fuses, or remotely disconnect service to prevent the continued supply of electricity. If a customer receives unmetered service as a result of any tampering with the meter or other HG&E equipment, HG&E shall take appropriate action including, but not limited to, making changes in the meter or other equipment and rebilling the customer. The customer will be held responsible to HG&E for any use of electricity that occurs beyond the point of the meter installation. A customer may also be subject to criminal and civil penalties pursuant to the Massachusetts General Laws, Chapter 164 and applicable DPU regulations for tampering with this equipment.

5. Demand/Reactive Usage Requirement: HG&E determines when a reactive reading shall be obtained for the purpose of determining power factor and when a demand reading shall be obtained for either billing and/or engineering purposes. At a minimum, all accounts with monthly average consumption over 15,000 kWh for at least three (3) consecutive months shall have both.

6. Power Factor Clause: A customer must maintain a minimum average power factor of 85% for any given month unless otherwise stated within a customer's rate schedule (i.e., Large General Service is 95% level). Power factor shall be reviewed from both a lagging and leading perspective from unity. Should a customer fail to maintain the applicable power factor, no eligible prompt payment discount or other special discounts will be allowed for that month. If a customer agrees to take prompt corrective action to correct the problem, the discount will be allowed for a maximum of four (4) consecutive months including the month of the original occurrence to allow time for the customer to correct the problem. If the customer does not agree to take corrective action or if the four (4) months have elapsed from the time of the original occurrence, the discount will be allowed only when actually earned. A customer will not be granted another grace period until twenty-four (24) months have passed since the end of the previous grace period unless the customer is a new account holder for that electric service. Customers with kVARh metering who are making a significant change in their load are expected to assess, in advance, the needed correction. HG&E may allow "reasonable time" during testing or commissioning period to avoid problems that can arise during this time. Also, HG&E may, upon case by case review, allow a discount when the applicable power factor is not maintained during a maximum six (6) month period of either ramp up or winding down of a customer's operations.

7. Communications: For large accounts above 100 kW, HG&E may require customers, at their expense, to provide a direct communications medium such as copper or fiber to access meters remotely.

Customer Electric Equipment & Wiring

Wiring installed on the customer's premise must conform to all applicable requirements of HG&E and the NEC as amended by the MEC. Wiring shall be inspected and approved by the local wiring inspector, acceptable to HG&E, prior to connection of new service.

No customer shall be allowed to connect or operate equipment, including electric generators, if such equipment results in lowering the quality of service supplied to nearby customers or causes safety problems on HG&E lines. In cases of this type, HG&E may disapprove the use of the equipment or may designate the conditions or times when it may or may not be used. These instructions shall be followed strictly or the service may be discontinued.

The responsibility of HG&E normally ends at the point of attachment of the customer's dwelling. HG&E assumes no responsibility for damage caused by the customer's equipment. HG&E shall permit electrical contractors, licensed by the State of Massachusetts, to cut and reconnect 120/240 volt, three-wire single-phase overhead residential services of 400 amps or less at the weatherhead to expedite work requested by customers. Failure to follow the procedures provided herein may result in additional corrective work and expense for the electrical contractors including any corrective work performed by HG&E. Electrical contractors shall be responsible for obtaining the appropriate permits from the local wiring inspector. Customers and/or contractors shall refer to the HG&E Information and Requirements for Electric Service for further detailed information.

Homeowners are not authorized to cut and reconnect electric services. An electrical contractor must hold an A license issued by the Commonwealth of Massachusetts or work in the capacity of an Electrical Apprentice under

the direct supervision of a licensed electrician of an A license. Under this condition, physical work may be performed; however, the permit must be obtained by the licensee who is responsible for the work at the location.

The electrical contractor, its employees, and those under its control shall perform all work as independent contractors and shall not be deemed to be employees or agents of HG&E for any purpose. HG&E shall not be liable for direct, indirect, or consequential damages of any kind whether resulting from injuries to persons or property or otherwise arising out of an electrical contractor's work.

Where conditions require transformers to be on private property, the customer shall, if requested, provide and maintain a suitable vault, pad, or structure.

The customer shall maintain and operate its electrical equipment and appliances so as not to endanger or interfere with the service of HG&E. The customer shall utilize the electrical power under these Rules and Regulations such that the current in any ungrounded conductor shall not at any time vary more than 5% from the current in each of the other ungrounded conductors when measured at the place of delivery per IEEE 519. Voltage harmonic levels shall not exceed 5% on a regular basis with only rare conditions when this value is exceeded.

Motors

All motors over ½ horsepower (H.P.) operating on single-phase services must be connected for 240 volts. Motors of 3 H.P. and above shall be three-phase except in a network voltage area where 5 H.P. single-phase motors may be allowed. Exceptions to these conditions require HG&E approval prior to installation or use. HG&E reserves the right to require reduced voltage or reduced load starting to be installed on customer equipment when it deems necessary.

Before purchasing special equipment or before making substantial changes in load, the customer should consult with HG&E representatives. The capacity of existing service and the voltage and phase of available service should be determined prior to the purchase of new equipment. HG&E will provide information on available service when requested.

Chapter 25 of the Revised Ordinances of the City of Holyoke and NEC, as amended by the MEC, further regulates electrical wiring.

The customer shall obtain approval from HG&E prior to connecting any motor larger than indicated below:

a. 3 H.P. for single phase, secondary service up to 600 volts.
b. 15 H.P. for three phase, secondary service up to 600 volts.
c. 75 H.P. for three phase, primary service of either 13.8 kV or 34.5 kV.

Contract Lighting

Contract lighting is available for a period of not less than one (1) year under a filed rate schedule. In the event of vandalism, HG&E reserves the right to remove any light fixture from service or, upon request from the

customer, replace any damaged fixture(s) beyond the standard rate provided within the filed rate schedule by purchasing a vandal-proof lens or other remediation at actual cost.

Surge Protection

Surge protection is available for a period of not less than one (1) year under a filed rate schedule. In the event of vandalism and/or tampering, HG&E reserves the right to remove any surge protection device from service.

Connection Charges – New Service

1. Connection charges will be based on actual costs subject to HG&E requirements stated within the Classification of Electric Service section herein. Estimates will be provided to the customer in advance and at least 50% of the estimate shall be paid up front with the balance paid upon completion.

2. Implementation: Payment for the above will be based on approved plans submitted to the appropriate local authorities and must be made to HG&E before construction service is installed by HG&E.

3. Waiver: Connection charges may be waived in lieu of taking Special Programs in effect from time to time.

Alternate Electric Energy Sources

1. Non-Parallel Generation (Standby or Emergency): When a customer installs emergency generation, an adequately sized double-throw disconnecting device must be provided by the customer to open all ungrounded conductors from the normal supply before connection is made to the emergency supply, in accordance with the requirements of the NEC, as amended by the MEC.

2. Parallel Generation: Subject to certain requirements, HG&E will permit parallel operation of generating equipment with the system. In general, automatic synchronizing must be provided by the customer together with the automatic prevention of any feed into HG&E de-energized system. The customer must contact HG&E early in the planning process and receive written approval. Standby Facility charges may apply. (See Distributed Generation Interconnection Policy & Application and Distributed Generation Purchase Power Clause for specific rates, terms, and conditions.)

3. Uninterruptible Power Supply: HG&E will not own, install, or operate any UPS equipment. A customer installation must provide automatic prevention of any feed into HG&E system. The customer must contact HG&E early in the planning process and receive written permission.

4. Distributed Energy Resources: Any customer installing a distributed energy resource (i.e. solar, hydro, storage battery, etc.) must fill out an Application for Interconnection. The application must be completed in full and project reviewed and approved by HG&E prior to the start of work. Specific requirements may vary and should be acknowledged and understood prior to the start of work. (See

Distributed Generation Interconnection Policy & Application and Distributed Generation Purchase Power Clause for specific rates, terms, and conditions.)

Power Outages & Concerns

All power outages or suspected electric concerns should be immediately reported to HG&E. Upon receiving concerns, an HG&E representative will be dispatched to investigate. HG&E outage map and any applicable emergency notifications can be found on our website.

HG&E's 24-hour emergency number is (413) 536-9300.

OFF-STREET / CONTRACT LIGHTING

AVAILABILITY

This service is available for general area lighting and security purposes only.

RATE-APPLIED MONTHLY

Light Type	Monthly kWh	
60 W Area LED	21.58	$ 9.50
49 W Roadway LED	17.56	$ 8.75
92 W Roadway LED	33.25	$11.75
183 W Roadway LED	65.80	$18.50
85 W Flood LED	30.56	$15.00
129 W Flood LED	46.39	$20.00

LED = Light Emitting Diode

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

Pole Charge

Wood Pole	$6.50
Non-Wood Pole	$14.00

The above pole charge will be applied to the foregoing lamp charges where the Department is requested to furnish a suitable pole, for the sole purpose of supporting a light fixture. If at a future date the pole is used for any purpose approved by the Department in addition to supporting a light fixture hereunder, the pole charge will be terminated.

DISCOUNT

No discount applies to off-street & contract lighting**.**

TERMS AND CONDITIONS

The above rate include the cost of overhead wires, light fixture, lamp, a control of the time of use, normal labor, and electricity. All repairs shall be made during normal working hours within 3 business days after notification from customer. Easements or right-of-entry releases, if required, will be provided at no cost to the Department.

The above rates do not include an underground supply, anchor guy, control switch, or a special light fixture requested by the customer. The cost of material and labor for anything other than a normal construction will be paid for by the customer.

This contract shall be for one (1) year and then cancelable on thirty (30) days notice subject to, if a pole was required, a termination charge equal to $450 for a wood pole or original installed cost of a non-wood pole less the total accumulated monthly pole rental charges received to date shall apply. If a light fixture is to be used for a period of less than one (1) year, then a $60.00 fee will apply.

Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts", in effect from time to time, where not inconsistent with any specific provisions hereof**.**

STANDBY FACILITIES CLAUSE

AVAILABILITY

This clause will be applicable to all electric rate schedules where customer receives backup or supplemental service from the Department due to the customer's use of on-site generation ("Generation Charge") or receipt of redundant facilities ("Wires Charge"). Charges under this clause are in addition to other applicable rate schedules.

GENERATION CHARGE

A Generation Charge shall be applied to all partial requirements customers who self-generate all, or a portion of, the customer's electrical power service requirements on a regular basis. This Generation Charge is intended to provide the customer with a backup supply of power when the customer's generating facilities are not in operation or are operating at less than full rated capability. Customers who have generation capabilities for emergency purposes only (run less than 5% of time) shall not be accessed this generation charge, however are still required to file data with Department.

Facilities Charge: $ 3.35 per nameplate kW/month
Existing Hydro resources shall receive a $1.30 credit per nameplate kW/month or as otherwise amended based on applicable Water Use Agreements.

Service taken under this rate shall be electrically separated from the customer's generating facilities or provided with sufficient protective devices to prohibit such facilities from causing disturbances on the Department's system consistent with the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts." The Department reserves the right to conduct audits for verification, to place appropriate metering within customer facilities, and to refuse service to facilities where the Department reasonably determines that the protection provided is inadequate.

Qualified Distributed Generation (DG) Facilities will not be subject to a Standby Facilities Generation Charge as set forth in "Distributed Generation Purchased Power Clause".

WIRES CHARGE

A Wires Charge shall be applied to customers who receive redundant facilities from the Department. This Wires Charge is intended to provide the customer with increased reliability of service and/or restoration time by having additional facilities supplied to customer. Redundant Cabling charges include primary and/or secondary facilities provided in duplicate to customer, while Complete Backup Facilities includes a redundant backup source provided by a second transformer at customer's location. Line construction, if any, is subject to the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Facilities Charge:	Redundant Cabling	$ 15.00/month
	Complete Backup Facilities	
	- From Same Substation	$ 0.330/kVA/month
	- From Different Substations	$ 0.720//kVA/month

(kVA equals ½ of the total nameplate capacity of transformers serving customer)

DISCOUNT

No prompt payment discount applies. Interest will accrue at 1.5 percent per month on the unpaid balance.

TERMS AND CONDITIONS

Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

LARGE INDUSTRIAL CONTRACT SCHEDULE

AVAILABILITY

Service under this schedule is available to industrial users who are primarily engaged in manufacturing who have executed a long term contract, having a minimum monthly demand of 115 kW and a minimum monthly consumption of 40,000 kWh.

RATE - APPLIED MONTHLY

Charges	2022	2023	2024	2025	2022	2023	2024	2025
Customer	$380.00	$380.00	$380.00	$380.00				
		Consumption ($/kWh)				**Demand ($/kW)**		
Energy	0.06507	0.06604	0.06703	0.06804	3.19	3.24	3.29	3.34
Distribution	0.01504	0.01528	0.01552	0.01576	4.48	4.55	4.62	4.69
Transmission	0.02233	0.02266	0.02300	0.02335				
Renewable Energy	0.00050	0.00050	0.00050	0.00050				

DEMAND

The demand charge will be the highest thirty-minute average demand during the billing period.

DISCOUNT

A prompt payment discount of 10% applies for payments received within 15 days of billing, provided power factor is not less than 85%. No discount applies to the Renewable Energy charge.

RATE ADJUSTMENTS

The rates shown above will be in place for monthly billing cycles that begin from January 1, 2022 through December 31, 2025. Rate changes will occur in first billing cycle after January 1st of each year and remain in effect through December billing cycle of each year.

TERMS AND CONDITIONS

Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts".

RESIDENTIAL
ELECTRIC SCHEDULE

AVAILABILITY
Service under this schedule is available for all residential purposes in an individual private dwelling or an individual apartment.

RATE - APPLIED MONTHLY
Customer Charge $5.55 per meter

All kWh at $0.14072 per kWh

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED POWER ADJUSTMENT
There shall be an adjustment in rate due to cost of power as provided in the Department's Standard Purchased Power Adjustment Clause in effect from time to time.

HYDROELECTRIC POWER ADJUSTMENT
There shall be an adjustment in the rate due to power purchased from the Niagara hydroelectric projects provided in the Department's Hydroelectric Power Adjustment Clause in effect from time to time. This reduction in rate may be further adjusted based on Department's owned hydroelectric facilities, at the discretion of the Department from time to time. For billing purposes, this Hydropower Reduction may be combined with and reflected in the Purchased Power Adjustment.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed November 16, 2022 Effective January 11, 2023

SMALL INDUSTRIAL SCHEDULE

AVAILABILITY

Service under this schedule is available to small industrial users receiving three-phase electric services who are primarily engaged in manufacturing subject to meeting the following two conditions:

1) monthly demand of less than 115 kW or monthly consumption of less than 40,000 kWh; and
2) monthly consumption of greater than 16,000 kWh.

RATE - APPLIED MONTHLY

Customer Charge	$20.00 per meter.
Energy Charge	First 3000 kWh at $.14443/kWh Next 12,000 kWh at $.14047/kWh All over 15,000 kWh at $.12694/kWh

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

DISCOUNT

A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill and provided that no discount will be allowed to customers having a power factor less than 85%.

PURCHASED POWER ADJUSTMENT

There shall be an adjustment in rate due to cost of power as provided in the Department's Standard Purchased Power Adjustment Clause in effect from time to time.

BACK-UP POWER

Customers who have on-site generation to meet some of their own load requirements shall be subject to a facilities charge as provided in the Department's Standby Facilities Clause in effect from time to time.

TERMS AND CONDITIONS

This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

COMMUNITY SHARED SOLAR RESIDENTIAL ELECTRIC SCHEDULE

AVAILABILITY

Service under this schedule is available for all residential purposes in an individual private dwelling or an individual apartment, who have chosen to participate (opt-in) in the Community Shared Solar Program (Program).

RATE - APPLIED MONTHLY

Customer Charge $5.55 per meter

All kWh at $0.14072 per kWh

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

DISCOUNT

A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

PURCHASED POWER ADJUSTMENT

There shall be an adjustment in rate due to cost of power as provided in the Department's Standard Purchased Power Adjustment Clause in effect from time to time.

HYDROELECTRIC POWER ADJUSTMENT

There shall be an adjustment in the rate due to power purchased from the Niagara hydroelectric project provided in the Department's Hydroelectric Power Adjustment Clause in effect from time to time. This adjustment in rate may be further adjusted based on Department’s owned hydroelectric facilities, at the discretion of the Department from time to time. For billing purposes, this Hydropower Adjustment may be combined with and reflected in the Purchased Power Adjustment.

COMMUNITY SHARED SOLAR REDUCTION

The cost per KWH for all energy will be adjusted due to the purchase by the Department of power from the Community Shared Solar Generation Unit(s). The savings in cost per KWH will be determined by computing the savings in energy costs and dividing by the concurrent KWH sold to the residential customers participating in the Program. The credit applied will be adjusted upward or downward from time to time such that the savings in power costs will accrue entirely to the Department's residential customers who have opted in to the Program.

This Program is structured to meet the eligibility criteria established under the Department of Energy Resources (DOER) regulations defined in 224 CMR 14 and shall be in effect for a minimum of ten years from the commencement of operation of the Community Shared Solar Generation Unit(s). At such expiration or termination of this schedule, all customers then enrolled in this schedule will be moved to the applicable residential electric schedule in effect at that time.

TERMS AND CONDITIONS

This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed November 16, 2022 Effective January 11, 2023

CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

GENERAL SERVICE
ELECTRIC SCHEDULE

AVAILABILITY
Service under this schedule is available for commercial, industrial, municipal and multiple apartment dwelling customers for both light and power.

RATE - APPLIED MONTHLY
Customer Charge: $7.40 per meter

	First 200 Hrs. Times Demand
First	3,000 kWh at .14443 per kWh
Next	12,000 kWh at .14047 per kWh
Next	85,000 kWh at .14004per kWh
All over	100,000 kWh at .13215 per kWh

Next 200 Hrs. Times Demand (100 KW Minimum) at .12400 per kWh
All over 400 Hrs. Times Demand (100 KW Minimum) at .10481per kWh

Renewable Energy Charge at $0.00050 per kWh (Not subject to any discounts.)

AGRICULTURE/FARMING
Persons or corporations engaged in the business of agriculture or farming, as designated by the Commonwealth of Massachusetts, shall receive a discount of 10% from the rates shown above (prior to the prompt payment discount).

INDOOR CULTIVATION
Persons or corporations primarily engaged in the business of indoor cultivation, who provide verification documentation to the Department, shall receive a discount of 10% from the rates shown above provided and conditioned each month that they have a monthly load factor of 65% or greater (prior to the prompt payment discount). This discount is ineligible if receiving Agriculture/Farming discount. Customers must meet the requirements in Discount section (power factor and prompt payment) below in order to qualify for indoor cultivation discount.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill and provided that no discount will be allowed to customers having a power factor less than 85%. No economic development discount (EDD) shall apply per Mass DPU 191 G/E to any customers on the Agriculture/Farming or Indoor Cultivation special rates.

PURCHASED POWER ADJUSTMENT
There shall be an adjustment in rate due to cost of power as provided in the Department's Standard Purchased Power Adjustment Clause in effect from time to time.

BACK-UP POWER
Customers who have on-site generation to meet some of their own load requirements shall be subject to a facilities charge as provided in the Department’s Standby Facilities Clause in effect from time to time.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

SCHEDULE 3 – ELECTRIC RATE
CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

Mass. DPU 234E
Replaces Mass. DPU 231E

LARGE GENERAL SERVICE CONTRACT SCHEDULE

AVAILABILITY
Service under this schedule is available to all commercial and industrial customers who have executed a long term contract, have a minimum monthly demand of 2,700 kW and a minimum monthly consumption of 1,675,350 kWh. The average monthly load factor shall also be no less than 85%. Failure to maintain these minimum requirements is covered by Section 1.4 of this Agreement.

BASE RATE - APPLIED MONTHLY

Customer Charge	$500.00
	Consumption
	$/kWh
Energy Only	0.04175
Energy Other	0.01298
Distribution	0.01527
Transmission	0.02312
Renewable Energy	0.00050

POWER FACTOR CHARGE
An additional charge of $.001 per kWh will be added to bills in any month where a lagging or leading power factor, as applicable for such month, of 95% is not maintained. This charge shall increase by an additional $.001 per kWh for each 10% level below that of 95% (i.e., a 70% monthly power factor in either direction would have a $.003 per kWh additional charge). In any month where power factor is both leading and lagging at least 25% of the time, then the Department shall (instead of taking the total kWh netted average) take the lower of the two separate power factor calculations (during lagging and leading times).

DISCOUNT
No discounts apply to this schedule.

BASE RATE ADJUSTMENTS
The base rates shown above will be adjusted, if any, per long term contract.

TERMS AND CONDITIONS
Bills are due and payable as described in long term contract. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts".

A Renewable Energy charge established by the State Legislature shall be accessed which allows customer's participation in the Massachusetts Renewable Energy Trust. Current rate level which has remained unchanged since January 1, 2003 is shown. This rate is subject to change based upon approval by the State Legislature.

Filed December 20, 2023 Effective January 1, 2024

CARBON-FREE ELECTRIC PROGRAM
RATE SCHEDULE

AVAILABILITY

Service under this rate schedule is available for all commercial and industrial electric customers served by the Holyoke Gas and Electric Department ("Department") who want 100% of their electricity to come from carbon-free energy sources and have chosen to participate (opt-in) in the "Carbon-Free Electric" Program ("Program"). This rate schedule is an additional charge to the customer's applicable service rate.

RATE APPLIED MONTHLY

Carbon Free Electric Rate = All kWh * (1- Department Carbon-Free % Adj.) * Carbon-Free Electric Rate Adj.

CARBON-FREE ELECTRIC RATE ADJUSTMENT

For customers electing to purchase all of their electric energy from 100% carbon-free sources, the cost per kWh for all electric consumption will be adjusted to the power costs resulting from the purchase of Renewable Energy Certificates ("RECs") and retirement of such RECs for all customers that opt-in to the Program. The Carbon-Free Electric Adjustment will be set annually based on current REC Market pricing and may be adjusted from time to time to adjust for market fluctuations.

DEPARTMENT CARBON-FREE ELECTRIC PERCENTAGE ADJUSTMENT

The Department's carbon-free percentage of electric retail sales will be set annually based on the retention of all clean energy credits (i.e. RECs, Emission free energy certificates or other evidential non-carbon emitting documentation) produced from HG&E's fleet of non-carbon producing resources as defined in the MA Climate Bill and that were classified as retired in the Department's NEPOOL Generation Information System (GIS) account. This may be adjusted from time to time to adjust for Department load and generation fluctuations.

DISCOUNT

No discount applies to Carbon-Free Connect rate schedule**.**

TERMS AND CONDITIONS

This Carbon Free Electric rate is in addition to customer's existing electric service tariff charges. The Department may terminate the voluntary purchase of RECs at any time. The Department can bring this program to an end by giving 30-day written notice to all active participants. Customers can opt-out of the Program at any time. Customers can elect to discontinue their participation by providing written notice to the Department. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."

Filed: January 26, 2023 Effective: February 10, 2023

COMMERCIAL AND INDUSTRIAL ELECTRIC VEHICLE RATE

AVAILABILITY

Service under this schedule is available for electric vehicle (EV) charging stations which are 1) publicly available and which may include public on-street parking spaces, public parking spaces in lots, or public parking garages, 2) publicly available and located on privately owned existing or new commercial or industrial property, and 3) non-public EV stations located on privately owned existing or new commercial and industrial property for the purposes of charging employee fleet or company EVs.

Service under this rate schedule shall be separately metered and is available only to the load of an EV charging station approved by the Department.

TIME-OF-USE (TOU) RATE

Charges – Monthly

Customer $7.40 per meter

	Peak ($/kWh)				Off-Peak ($/kWh)		
	Utilization Level 1 (Less than 10% LF)	Utilization Level 2 (10% LF to 29.99% LF)	Utilization Level 3 (30% LF or Greater)		Utilization Level 1 (Less than 10% LF)	Utilization Level 2 (10% LF to 29.99% LF)	Utilization Level 3 (30% LF or Greater)
Energy	0.07384	0.07384	0.07384		0.06421	0.06421	0.06421
Energy Other	0.08090	0.05680	0.02780		0.00000	0.00000	0.00000
Distribution	0.05152	0.05152	0.05152		0.05152	0.05152	0.05152
Transmission	0.19394	0.13625	0.06653		0.01285	0.01285	0.01285
Renewable Energy	0.00050	0.00050	0.00050		0.00050	0.00050	0.00050
Total Rate	0.40070	0.31894	0.22015		0.12908	0.12908	0.12908

TIME PERIOD

The times of the year and times of day are defined as follows:

TOU Period	Times	Days
Peak	Noon to 8:00 p.m.	Daily including weekends and holidays all year
Off-Peak	8:00 p.m. to Noon	Daily including weekends and holidays all year

UTILIZATION LEVEL

Load Factor (LF) is the calculation that will be used to measure the utilization level of the EV charging station/charger. It is calculated by taking the total electricity used in the month, divided by the highest monthly peak 15-minute demand (kW) multiplied by the number of days in the billing cycle and the total hours in a day. Initially, all customers will be billed at the Utilization Level 1 rates until demonstration of consistent LF for a six (6) month period, at which time customer rates will be adjusted to the appropriate utilization level.

RENEWABLE ENERGY CHARGE
A Renewable Energy charge established by the State Legislature shall be accessed which allows customer's participation in the Massachusetts Renewable Energy Trust. The current rate level, which has remained unchanged since January 1, 2003, is shown. This rate is subject to change based upon approval by the State Legislature and is not subject to any discounts.

DISCOUNT
A discount of 10% will be allowed on current gross bills provided the bill, including any arrearage, is paid in full within fifteen (15) days of date of bill.

RATE ADJUSTMENTS
The rates shown above will be adjusted periodically due to the cost of services and energy provided.

TERMS AND CONDITIONS
This rate is subject to termination at any time upon notice to the Department. Bills are due and payable 30 days after the date of billing. Service is governed by the "Rules and Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts."