

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,

2012

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

Official Title:

Comptroller

Brian Richards

Office Address:

99 Suffolk Street
Holyoke, MA 01040

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	Boilers	
	Scrubbers, Condensers and Exhausters	
	Purifiers	
	Holders	
	Transmission and Distribution Mains	
	Gas Distribution Services, House Governors	
	and Meters	

PAGES INTENTIONALLY OMITTED: 23 TO 36

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:

Alex B. Morse
City Hall
Holyoke, MA 01040

5. Name and address of town (or city) treasurer:

Jon D. Lumbra
City Hall
Holyoke, MA 01040

6. Name and address of town (or city) clerk:

Susan Egan
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

Robert H. Griffin

6 Whittier Circle
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 2013 7/1/12 - 6/30/13

\$2,136,618,640

Fiscal 2012 7/1/11 - 6/30/12

\$2,091,388,565

9. Tax rate for all purposes during the year:

Fiscal 2013 7/1/12 - 6/30/13

Fiscal 2012 7/1/11 - 6/30/12

\$18.35 - Residential
\$39.97 - Commercial/Industrial

\$16.85 - Residential
\$38.53 - Commercial/Industrial

10. Amount of manager's salary:

\$175,417.00

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.....
2	From Sales of Electricity.....
3	From Sales of Steam and Sundries.....
4	TOTAL.....
5	EXPENSES:
6	For operation, maintenance and repairs.....
7	For interest on bonds, notes or scrip.....
8	For depreciation fund (3% on \$176,681,436 as per page 8B & 9A).....
9	For sinking fund requirements.....
10	For note payments.....
11	For bond payments.....
12	For loss in preceding year.....
13	TOTAL.....
14	COST:
15	Of gas to be used for municipal buildings.....
16	Of gas to be used for street lights.....
17	Of electricity to be used for municipal buildings (includes telecom).....
18	Of electricity to be used for street lights.....
19	Of steam.....
20	Total of the above items to be included in the tax levy.....
21	New construction to be included in the tax levy.....
22	Total amounts to be included in the tax levy.....
23	TOTAL.....

CUSTOMERS

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each	Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each
Number of Customers' Meters, December 31.	Number of Customers' Meters, December 31.
City or Town	City or Town
Holyoke, MA	Holyoke, MA
990	990
9,897	9,897
Souhampton, MA	Souhampton, MA
7	7
Westfield, MA	Westfield, MA
0	0
Chicopee, MA	Chicopee, MA
4	4
TOTAL	TOTAL
10,894	16,780

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:

	\$		19		meeting	* At
		, 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.....	288,008
		2. Municipal Buildings.....	3,902,339
		3. Steam.....	0
	\$		4,190,347

*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:

TOWN NOTES
(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of Issue	Amount of Original Issue**	Period of Payments	When Payable	Rate	Interest	Amount Outstanding at End of Year
2012 Note to City of Holyoke	04/01/12	30,532,000		9/1/2031			30,532,000
Debt Premium	04/01/12	3,180,783		9/1/2031			3,044,622
2003 Note to Peoples	11/01/03	2,589,544		Monthly			1,236,468
	TOTAL	36,302,327					34,813,090

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	Balance of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(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.....						
9	312 Boiler Plant Equipment.....	1,406,755	51,076				1,406,755
10	312-01 Boiler Plant Equipment Comm.....						
11	313 Engines and Engine Driven						
12	Generators.....						
13	314 Turbo-generator Units.....						
14	315 Accessory Electric Equipment.....						
15	316 Miscellaneous Power Plant						
16	Equipment.....	36,029	208,629				36,029
17	Total Steam Production Plant	1,702,490		0	0	0	1,702,490
18	B. Nuclear Production Plant						
19	320 Land and Land Rights.....						
20	321 Structures and Improvements.....						
21	322 Reactor Plant Equipment.....						
22	323 Turbo-generator Units.....						
23	324 Accessory Electric Equipment.....						
24	325 Miscellaneous Power Plant						
	Equipment.....						
	Total Nuclear Production Plant	0		0	0	0	0

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Balance	of Year	Additions	Retirements	Adjustments	Transfers	Balance
								End of Year
1	C. Hydraulic Production Plant	1,430,320	4,405,928	358,239				1,430,320
2	330 Land and Land Rights.....							
3	331 Structures and Improvements.....							4,764,167
4	332 Reservoirs, Dams and Waterways.....	22,740,913		4,112				22,745,025
5	333 Waterwheels, Turbines and							
	Generators.....	12,764,727						12,764,727
6	334 Accessory Electric Equipment.....	2,986,978		51,442				3,038,420
7	335 Miscellaneous Power Plant							
	Equipment.....	142,585		15,395				157,980
8	336 Roads, Railroads and Bridges.....							
9	Total Hydraulic Production Plant	44,471,451	429,187					44,900,638
10	D. Other Production Plant	40,040						40,040
11	340 Land and Land Rights.....							
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	40,040	0	0	0	0	0	40,040
19	TOTAL PRODUCTION PLANT	46,213,980	429,187					46,643,168
20	3. TRANSMISSION PLANT							
21	350 Land and Land Rights.....	555,106						629,048
22	351 Clearing Land and Rights of Way.....							
23	352 Structures and Improvements.....							
24	353 Station Equipment.....	5,240,798		45,439				9,750,094
25	354 Towers and Fixtures.....							
26	355 Poles and Fixtures.....	1,830,613		46,186				2,073,651
27	356 Overhead Conductors and Devices.....	923,266						1,055,120
28	357 Underground Conduits.....							
29	358 Underground Conductors and Devices							
30	359 Roads and Trails.....							
31	TOTAL TRANSMISSION PLANT	8,549,783	91,625			4,866,505		13,507,913

TOTAL COST OF PLANT - ELECTRIC (Concluded)

Line No.	Account	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Balance	of Year	Additions	Retirements	Adjustments	Transfers	Balance
		Beginning	End of Year					End of Year
1	4. DISTRIBUTION PLANT	1,200,514		4,946		1,905,775		3,106,289
2	360 Land and Land Rights							438,563
3	361 Structures and Improvements	433,617						13,745,726
4	362 Station Equipment	4,919,374		5,940		8,820,411		
5	363 Storage Battery Equipment							
6	364 Poles, Towers and Fixtures	4,652,032	(195,103)		32,712	123,637		4,547,855
7	365 Overhead Conductors and Devices	7,273,974	98,752		32,573	397,017		7,737,170
8	366 Underground Conduits	6,684,421	18,823		54,741	410,252		7,113,496
9	367 Underground Conductors & Devices	9,133,388	77,107		54,741	112,890		9,268,645
10	368 Line Transformers (Over & Under)	5,200,375	193,146		40,939	5,313		5,357,896
11	369 Services (Over & Under)	3,627,067	43,193		14,204	49,926		3,705,982
12	370 Meters	2,324,637	18,034		79,132			2,263,539
13	371 Installation on Custs Premises	828,871	3,787		4,644	4,162		832,176
14	373 Street Light and Signal Systems	2,484,408	(103,169)	84,594		429,020		2,725,664
15	3** Telecommunications	10,071,144	282,128			19,653		10,372,925
16	TOTAL DISTRIBUTION PLANT	58,833,822	447,584	343,538	343,538	12,278,058	0	71,215,926
17	5. GENERAL PLANT							
18	389 Land and Land Rights	90,576	4,000		27,148	1,441,228		94,576
19	390 Structures and Improvements	1,930,704	2,999					3,347,782
20	391/391-01 Office Furn & Equip/Comp Equip	2,292,391	119,913					2,412,304
21	392 Transportation Equipment	2,284,221	168,564		146,481			2,306,304
22	393 Stores Equipment	32,154			4,106			28,048
23	394 Tools, Shop and Garage Equipment	103,747			18,038			85,708
24	395 Laboratory Equipment	170,181			1,994			168,187
25	396 Power Operated Equipment	307,983	8,039		40,184			275,839
26	397 Communication Equipment	612,375				1,058,572		1,732,685
27	398 Miscellaneous Equipment	103,763						103,763
28	399 Other Tangible Property							
29	3** Telecommunications	948,431	15,082		15,300			948,213
30	TOTAL GENERAL PLANT	8,876,525	380,335	253,250	253,250	2,499,799	0	11,503,410
31	TOTAL ELECTRIC PLANT IN SERVICE	122,474,110	1,348,732	596,788	596,788	19,644,362	0	142,870,416
32	TOTAL COST OF ELECTRIC PLANT							142,870,416
33	Less Cost of Land, Land Rights, and Rights of Way							5,407,273
34	Total Cost upon which depreciation is based							137,463,143

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.

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	Balance of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(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	159,063					159,063
8	305 Structures and Improvements	101,801					101,801
9	306 Boiler Plant Equipment						
10	307 Other Power Plant Equipment	435					435
11	310 Water Gas Generating Equipment						
12	311 Liquefied Petroleum Gas Equipment	177,065		5,334			171,730
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	1,523,896		39,750			1,484,146
20	320 Other Equipment	12,703					12,703
21	TOTAL MANUFACTURED GAS PRODUCTION PLANT	1,974,962	0	45,084	0	0	1,929,878
22	3. STORAGE PLANT						
23	360 Land and Land Rights						
24	361 Structures and Improvements	156,576					156,576
25	362 Gas Holders						
26	363 Other Equipment						
30	TOTAL STORAGE PLANT	156,576	0	0	0	0	156,576

TOTAL COST OF PLANT - GAS (Concluded)

Line No.	Account	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	Beginning Balance of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year		
1	4. TRANSMISSION AND DISTRIBUTION PLANT							
2	365.1 Land and Land Rights	69,987						69,987
3	365.2 Rights-of-Way							
4	366 Structures and Improvements	910,563	124,870	6,017	410,729	910,563		910,563
5	367 Mains	16,190,512				16,720,093		16,720,093
6	368 Compressor Station Equipment	43,559		2,781		40,778		40,778
7	369 Measuring and Regulating Station Equipment	384,260	307,447	15,060		676,647		676,647
8	370 Comm Equip Meters/Telemeter	232,006	35,494	6,431		261,068		261,068
9	380 Services	9,445,426	978,629	42,264	573,630	10,955,421		10,955,421
10	381 Meters	3,502,081	226,037	24,684		3,703,434		3,703,434
11	382 Meter Installations	14,067		3,465		10,602		10,602
12	383 House Regulators							
13	386 Other Property on Cust's Prem							
14	387 Other Equipment	24,871				24,871		24,871
15	TOTAL TRANSMISSION AND DISTRIBUTION PLANT	30,817,332	1,672,477	100,702	984,358	33,373,466		33,373,466
17	5. GENERAL PLANT							
18	389 Land and Land Rights	59,754				59,754		59,754
19	390 Structures and Improvements	1,275,772	29,679	98		1,275,674		1,275,674
20	391/391-01 Office Furn & Equip/Comp Equip	1,211,062				1,240,741		1,240,741
21	392 Transportation Equipment	839,256	209,046	153,483		894,819		894,819
22	393 Stores Equipment	1,545		1,230		315		315
23	394 Tools, Shop and Garage Equipment	251,404	42,186	16,075		277,515		277,515
24	395 Laboratory Equipment	148		148		0		0
25	396 Power Operated Equipment	16,893		4,255		12,637		12,637
26	397 Communication Equipment	223,165	33,244			256,409		256,409
27	398 Miscellaneous Equipment	29,314				29,314		29,314
28	399 Other Tangible Property							
29	TOTAL GENERAL PLANT	3,908,313	314,154	175,288	0	4,047,179		4,047,179
30	TOTAL GAS PLANT IN SERVICE	36,857,182	1,986,631	321,074	984,358	39,507,097		39,507,097
31	TOTAL COST OF GAS PLANT							
32	Less Cost of Land, Land Rights, and Rights of Way							288,804
33	Total Cost upon which depreciation is based							39,218,293
34								

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	Balance Beginning of Year	Balance End of Year	Increase or (Decrease)
	(a)	(b)	(c)	(d)
1	UTILITY PLANT			
2	101 Utility Plant in Service - Electric (pg 17)	78,231,330	98,592,143	20,360,812
3	101 Utility Plant in Service - Gas (pg 20)	16,959,791	17,793,274	833,483
4	Non Operating Plant	6,014,646	5,999,505	(15,142)
5	TOTAL UTILITY PLANT	101,205,768	122,384,921	21,179,153
6				
7				
8				
9				
10	FUND ACCOUNTS			
11				
12	125 Sinking Funds	0	0	0
13	126 Depreciation Fund (pg 14) see acct 234 pg 11	0	2,917,526	(5,657,087)
14	128 Other Special Funds	8,574,614	2,917,526	(5,657,087)
15	TOTAL FUNDS	8,574,614	2,917,526	(5,657,087)
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (pg 14)	3,721,287	3,308,392	(412,895)
18	132 Special Deposits	590,284	629,979	39,695
19	132 Working Funds	15,000	15,000	0
20	141 Notes and Receivables			
21	142 Customer Accounts Receivable	6,574,496	6,944,376	369,880
22	143 Other Accounts Receivable			
23	146 Receivables from Municipality	346,183	366,323	20,140
24	151 Materials and Supplies (pg 14)	3,669,669	4,179,449	509,779
25	163 Stores Expense			
26	166 Prepayments	33,224,717	33,697,535	472,818
27	174 Miscellaneous Current Assets	8,375,268	6,918,665	(1,456,603)
28	TOTAL CURRENT AND ACCRUED ASSETS	56,516,905	56,059,720	(457,185)
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount	2,616,881	1,671,485	(945,396)
31	182 Extraordinary Property Debits			
32	185 Other Deferred Debits	0	0	0
33	TOTAL DEFERRED DEBITS	2,616,881	1,671,485	(945,396)
34				
35	TOTAL ASSETS AND OTHER DEBITS	168,914,168	183,033,652	14,119,484

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account	Balance Beginning of Year	Balance End of Year	Increase or (Decrease)
	(a)	(b)	(c)	(d)
1	APPROPRIATIONS			
2	201 Appropriations for Construction			
3	SURPLUS			
4	205 Sinking Fund Reserves			
5	206 Loans Repayment	1,060,000	1,532,452	472,452
6	207 Appropriations for Construction Repayment			
7	208 Unappropriated Earned Surplus (pg 12)	71,842,143	77,115,723	5,273,580
8	TOTAL SURPLUS	72,902,143	78,648,175	5,746,032
9	LONG TERM DEBT			
10	221 Bonds (pg 6)	37,561,667	1,666,667	(35,895,000)
11	231 Notes Payable (pg 7)		34,813,090	34,813,090
12	TOTAL BONDS AND NOTES	37,561,667	36,479,757	(1,081,910)
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable	12,207,567	13,694,989	1,487,422
15	234 Payables to Municipality			
16	235 Customer Deposits	526,643	517,657	(8,986)
17	236 Taxes Accrued			
18	237 Interest Accrued	156,772	423,437	266,664
19	242 Miscellaneous Current and Accrued Liabilities		7,000,000	7,000,000
20	TOTAL CURRENT AND ACCRUED LIABILITIES	12,890,982	21,636,083	8,745,100
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt			
23	252 Customer Advance for Construction			
24	253 Other Deferred Credits	45,044,172	45,754,434	710,263
25	TOTAL DEFERRED CREDITS	45,044,172	45,754,434	710,263
26	RESERVES			
27	260 Reserves for Uncollectible Accounts	515,204	515,204	0
28	261 Property Insurance Reserve			
29	262 Injures and Damages Reserves			
30	263 Pensions and Benefits			
31	265 Miscellaneous Operating Reserves			
32	TOTAL RESERVES	515,204	515,204	0
33	CONTRIBUTIONS IN AID OF			
34	CONSTRUCTION			
35	271 Contributions in Aid of Construction			0
	TOTAL LIABILITIES AND OTHER CREDITS	168,914,168	183,033,652	14,119,484

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

STATEMENT OF INCOME FOR THE YEAR

Line	Account	(a)	(b)	(c)
		Current Year	Preceding Year	(Decrease) from
				Increase or
				Total
1	OPERATING INCOME	64,150,138		(2,358,133)
2	400 Operating Revenue (pg 37 and pg 43)			
3	Operating Expenses:			
4	401 Operation Expense (pg 42 and pg 47)	44,562,374		(815,514)
5	402 Maintenance Expense (pg 42 and pg 47)	7,702,871		17,061
6	403 Depreciation Expense	4,668,568		(304,296)
7	407 Amortization of Property Losses	0		0
8				
9	408 Taxes (pg 49)			
10	Total Operating Expenses	56,933,813		(1,102,750)
11	Operating Income	7,216,326		(1,255,383)
12	414 Other Utility Operating Income (pg 50)	0		0
13				
14	Total Operating Income	7,216,326		(1,255,383)
15	OTHER INCOME			
16	415 Income from Merchandising, Jobbing, and Contract Work (pg 51)	131,410		26,353
17	419 Interest Income	3,058,478		2,191,204
18	421 Miscellaneous Nonoperating Income	1,644,572		855,457
19	Total Other Income	4,834,460		3,073,013
20	TOTAL INCOME	12,050,786		1,817,630
21	MISCELLANEOUS INCOME DEDUCTIONS			
22	425 Miscellaneous Amortization			
23	426 Other Income Deductions	1,178,977		(5,885,405)
24	Total Income Deductions	1,178,977		(5,885,405)
25	Income before Interest Charges	10,871,809		7,703,036
26	INTEREST CHARGES			
27	427 Interest on Bonds and Notes	2,590,587		568,293
28	428 Amortization of Debt Discount and Expense	1,368,125		640,204
29	429 Amortization of Premium on Debt			
30	431 Other Interest Expense	6,357		561
31	432 Interest Charged to Construction-Credit			
32	Total Interest Charges	3,965,069		1,209,058
33	NET INCOME	6,906,739		6,493,978
EARNED SURPLUS				
Line	No.	(a)	(b)	(c)
34	Unappropriated Earned Surplus (at beginning of Period)		71,842,143	
35	Adjustment to correct Unappropriated Earned Surplus			1,060,000
36	433 Balance transferred from Income			6,906,739
37	434 Miscellaneous Credits to Surplus (pg 21)		0	
38	435 Miscellaneous Debits to Surplus (pg 21)		1,160,708	
39	436 Appropriations of Surplus (pg 21)		1,532,452	
40	437 Surplus Applied to Depreciation		77,115,723	
41	4208 Unappropriated Earned Surplus (at end of period)			79,808,883
42	TOTALS		79,808,883	79,808,883

Annual Report of Holyoke Gas and Electric Department					
STATEMENT OF INCOME FOR THE YEAR					
Line No.		Electric		Gas	
		Current Year	(Decrease) from Preceding Year	Current Year	(Decrease) from Preceding Year
		(d)	(e)	(f)	(g)
1		43,674,691	(210,297)	20,475,447	(2,147,836)
2					
3		26,989,691	645,421	17,572,683	(1,460,936)
4		6,432,693	(114,956)	1,270,178	132,017
5		3,571,517	(357,327)	1,097,051	53,031
6					
7					
8					
9		36,993,900	173,138	19,939,912	(1,275,887)
10		6,680,790	(383,435)	535,535	(871,948)
11		0	0		
12					
13		6,680,790	(383,435)	535,535	(871,948)
14		46	(88)	131,364	26,441
15		2,824,523	2,010,742	233,956	160,462
16		1,502,861	750,859	141,711	104,598
17		4,327,429	2,761,513	507,031	311,501
18		11,008,220	2,378,078	1,042,566	(560,447)
19					
20					
21					
22		1,161,598	(5,891,548)	17,379	6,143
23		1,161,598	(5,891,548)	17,379	6,143
24		9,846,621	8,269,626	1,025,187	(566,590)
25		2,345,350	510,788	245,237	57,504
26		1,280,403	556,806	87,722	83,398
27		0	0	6,357	561
28		3,625,753	1,067,594	339,316	141,464
29		6,220,868	7,202,031	685,871	(708,054)
30					
31					
32					
33					

Line No.	Items	Amount (b)	
CASH BALANCES AT END OF YEAR (Account 131)			
1	Operation Fund.....	3,308,392	
2	Interest Fund.....		
3	Bond Fund.....		
4	Construction Fund.....		
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	3,308,392	
MATERIALS AND SUPPLIES (Accounts 151-159, 163) Summary per Balance Sheet			
Line No.	Account	Electric	Gas
13	Fuel (Account 151) (See Schedule, Page 25).....		
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....		
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	2,674,127	1,505,323
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.....	4,668,568	
27	Amount Transferred from Income.....	0	
28	TOTAL	4,668,568	
29	CREDITS		
30	Amount expended for Construction Purposes (Sec. 57, C. 164 of G.L.).....	0	
31	Amounts Expended for Renewals.....	4,668,568	
32	TOTAL	4,668,568	
33			
34			
35			
36			
37			
38			
39	Balance on Hand at End of Year.....	0	
40	TOTAL	4,668,568	

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	Balance of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(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	292,583		9,569			283,014
9	312 Boiler Plant Equipment	22,440		988			21,452
10	312-01 Boiler Plant Equipment Comm.						
11	313 Engines and Engine Driven						
11	Generators - Commercial Steam Line						
12	314 Turbo-generator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant						
15	Equipment	1,090		53			1,036
16	Total Steam Production Plant	316,112		10,610			305,502
17	B. Nuclear Production Plant						
18	320 Land and Land Rights						
19	321 Structures and Improvements						
20	322 Reactor Plant Equipment						
21	323 Turbo-generator Units						
22	324 Accessory Electric Equipment						
23	325 Miscellaneous Power Plant						
24	Equipment						
	Total Nuclear Production Plant	0		0	0	0	0

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account	Balance of Year	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant	1,430,320	358,239	126,904			1,430,320
2	330 Land and Land Rights.....						3,600,763
3	331 Structures and Improvements.....	3,369,428	4,112	675,764			16,588,669
4	332 Reservoirs, Dams and Waterways.....	17,260,321					9,746,940
5	333 Waterwheels, Turbines and						2,608,563
6	Generators.....	10,129,882	51,442	382,942			141,268
7	334 Accessory Electric Equipment.....	2,643,764		86,643			
8	335 Miscellaneous Power Plant						
Equipment.....		130,120	15,395	4,247			
9	Total Hydraulic Production Plant	34,963,835	429,187	1,276,500			34,116,522
10	D. Other Production Plant	40,040					40,040
11	340 Land and Land Rights.....						
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	40,040	0	0			40,040
19	TOTAL PRODUCTION PLANT	35,319,987	429,187	1,287,110			34,462,064
20	3. TRANSMISSION PLANT	555,106	45,439	92,904		73,943	629,048
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way.....						
23	352 Structures and Improvements.....						
24	353 Station Equipment.....	2,100,856				4,463,857	6,517,249
25	354 Towers and Fixtures.....						
26	355 Poles and Fixtures.....	330,498	46,186	28,309		196,852	545,226
27	356 Overhead Conductors and Devices.....	177,036		14,283		131,854	294,607
28	357 Underground Conduits.....						
29	358 Underground Conductors and						
Devices.....							
30	359 Roads and Trails.....						
31	TOTAL TRANSMISSION PLANT	3,163,496	91,625	135,496		4,866,505	7,986,130

UTILITY PLANT - ELECTRIC (Concluded)

Line No.	Account	Balance of Year	Additions	Depreciation	Other Credits	Adjustments	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT	1,200,514	4,946	13,009		1,905,775	3,106,289
2	360 Land and Land Rights						137,366
3	361 Structures and Improvements	145,428					10,446,671
4	362 Station Equipment	1,767,901	5,940	147,581		8,820,411	
5	363 Storage Battery Equipment						
6	364 Poles, Towers and Fixtures	2,914,019	(195,103)	144,082	4,813	123,637	2,693,658
7	365 Overhead Conductors and Devices	3,783,924	98,752	218,219	6,515	397,017	4,054,960
8	366 Underground Conduit	2,417,871	18,823	200,533		410,252	2,646,414
9	367 Underground Conductors and Devices	4,867,196	77,107	274,002	10,948	112,890	4,772,243
10	368 Line Transformers (Over & Under)	1,919,169	193,146	156,011	381	5,313	1,961,236
11	369 Services (Over & Under)	1,500,245	43,193	108,812	2,841	49,926	1,481,711
12	370 Meters	1,591,751	18,034	69,739	47,465		1,492,581
13	371 Installation on Cust's Premises	69,287	3,787	24,866	929	4,162	51,442
14	373 Street Lighting and Signal Systems	708,617	(103,169)	89,532	16,919	429,020	928,016
15	3** Telecommunications	8,415,840	282,128	234,298		19,653	8,483,324
16	TOTAL DISTRIBUTION PLANT	31,301,762	447,584	1,680,684	90,810	12,278,058	42,255,910
17	5. GENERAL PLANT	90,576	4,000	57,921		1,441,228	94,576
18	389 Land and Land Rights						
19	390 Structures and Improvements	989,653	2,999	57,921			2,375,958
20	391/391-01 Office Furn & Equip/Comp Equip	646,522	119,913	111,181			655,253
21	392 Transportation Equipment	294,543		108,402			354,705
22	393 Stores Equipment	47,567		10,375	5,908		31,284
23	394 Tools, Shop and Garage Equipment	81,120		17,018			64,102
24	395 Laboratory Equipment	14,533	8,039	2,167			20,405
25	396 Power Operated Equipment	175,366		61,238		1,058,572	1,234,439
26	397 Communication Equipment	25,176		6,846			18,330
27	398 Miscellaneous Equipment	15,082		93,080			276,346
28	399 Other Tangible Property	380,335	468,227	5,908			5,125,399
29	3** Telecommunications	2,719,399	380,335	468,227	5,908	2,499,799	89,829,503
30	TOTAL GENERAL PLANT	72,504,644	1,348,732	3,571,517	96,718	19,644,362	89,829,503
31	TOTAL ELECTRIC PLANT IN SERVICE	78,231,330	20,809,624	3,571,517	96,718	3,219,423	98,592,143
32	104 Utility Plant leased to Others						
33	105 Property Held for Future Use						
34	107 Construction Work in Progress	5,726,687	19,460,892			(16,424,939)	8,762,640
35	108 Accumulated Depreciation						

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 Mct., 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)	(b)	(c)	(d)	(e)	(f)
	Total		Cost	Oil	Oil	System Storage	System Storage
				BBL	Cost	MMBTU	Cost
KINDS OF FUEL AND OIL							

Line No.	Item	(a)	(b)	(c)	(d)	(e)	(f)
1	On Hand Beginning of Year.....	1,377,467	782	782	72,603	284,670	1,206,010
2	Received During Year.....	929,285				127,249	378,962
3	TOTAL	2,306,752	782	782	72,603	411,919	1,584,972
4	Used During Year (Note A).....	1,210,108				164,578	682,494
5	(Boiler Fuel)						
6							
7							
8							
9							
10							
11	Sold or Transferred.....						
12	TOTAL DISPOSED OF	1,210,108	0	0	0	164,578	682,494
13	BALANCE END OF YEAR	1,096,644	782	782	72,603	247,341	902,478

Line No.	Item	(g)	(h)	(i)	(j)	(k)
	Propane		GALS	Cost	Propane	Cost
KINDS OF FUEL AND OIL - continued						
	LNG		GALS	Cost	LNG	Cost

Line No.	Item	(g)	(h)	(i)	(j)	(k)
14	On Hand Beginning of Year.....	0	0	0	0	98,854
15	Received During Year.....	0	0	0	0	550,323
16	TOTAL	0	0	0	0	649,177
17	Used During Year (Note A).....	0	0	0	0	527,614
18	(Boiler Fuel)					
19						
20						
21						
22						
23						
24	Sold or Transferred.....					
25	TOTAL DISPOSED OF	0	0	0	0	527,614
26	BALANCE END OF YEAR	0	0	0	0	121,563

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	Balance of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(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	159,063		693			159,063
8	305 Structures and Improvements	19,619					18,926
9	306 Boiler Plant Equipment						
10	307 Other Power Plant Equipment	356		13			343
11	310 Water Gas Generating Equipment						
12	311 Liquefied Petroleum Gas Equipment			476			4,671
13	312 Oil Gas Generating Equipment	5,147					
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	279,919		18,639			261,280
20	320 Other Equipment	9,926		381			9,545
21	TOTAL MANUFACTURED GAS PRODUCTION PLANT	474,030	0	20,202	0	0	453,828
22	2. STORAGE PLANT						
23	360 Land and Land Rights						
24	361 Structures and Improvements	102,580		4,697			97,883
25	362 Gas Holders						
26	363 Other Equipment						
27	TOTAL STORAGE PLANT	102,580	0	4,697	0	0	97,883

UTILITY PLANT - GAS (Concluded)

Line No.	Account	Balance of Year Beginning	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance of Year End
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. TRANSMISSION AND DISTRIBUTION PLANT	69,987	124,870	27,317	200	410,729	69,987
2	365.1 Land and Land Rights						
3	365.2 Rights-Of-Way						
4	366 Structures and Improvements	89,726					62,410
5	367 Mains	6,432,854		464,931			6,503,322
6	368 Compressor Station Equipment	28,160		1,307			26,853
7	369 Measuring and Regulating Station Equipment	309,479	307,447	11,528			605,398
8	370 Communication Equip/Telemeter	168,108	35,494	6,960			196,641
9	380 Services	5,033,684	978,629	278,167	12,783	573,630	6,294,992
10	381 Meters	1,780,142	226,037	99,866	3,739		1,902,573
11	382 Meter Installations	5,098		422	656		4,020
12	383 House Regulators						
13	386 Other Property on Cust's Prem						
14	387 Other Equipment	855		200			655
15	TOTAL TRANSMISSION AND DISTRIBUTION PLANT	13,918,092	1,672,477	890,698	17,379	984,358	15,666,850
16	5. GENERAL PLANT	59,754		38,273			59,754
17	389 Land and Land Rights						610,209
18	390 Structures and Improvements	648,482	29,679	54,949			316,449
19	391/391-01 Office Furn & Equip/Comp Equip	341,719		47,941			310,257
20	392 Transportation Equipment	149,153	209,046				
21	393 Stores Equipment						
22	394 Tools, Shop and Garage Equipment	139,968	42,186	17,484			164,669
23	395 Laboratory Equipment						
24	396 Power Operated Equipment	3,960		440			3,520
25	397 Communication Equipment	39,493	33,244	22,316			50,421
26	398 Miscellaneous Equipment	512		51			461
27	399 Other Tangible Property						
28	TOTAL GENERAL PLANT	1,383,041	314,154	181,455	0	0	1,515,740
29	TOTAL GAS PLANT IN SERVICE	15,877,743	1,986,631	1,097,051	17,379	984,358	17,734,302
30	104 Utility Plant leased to Others						
31	105 Property Held for Future Use						
32	107 Construction Work in Progress	1,082,048	1,397,365			(2,420,441)	58,972
33	108 Accumulated Depreciation	16,959,791	3,383,996	1,097,051	17,379	(1,436,083)	17,793,274
	TOTAL UTILITY GAS PLANT						

Annual Report of Holyoke Gas and Electric Department		Year Ended December 31, 2012	
MISCELLANEOUS NON-OPERATING INCOME (Account 421)			
Line	No.	Item	Amount
		(a)	(b)
1		Miscellaneous Income	1,142,608
2		O&M Contracts	501,964
3		Gain on Plant Retirements	0
4			
5			
6		TOTAL	1,644,572
OTHER INCOME DEDUCTIONS (Account 426)			
Line	No.	Item	Amount
		(a)	(b)
7		Loss on Plant Retirements	114,097
8		Boiler Demolition Expense	44,391
9		Other Deductions	1,020,489
10			
11			
12			
13			
14		TOTAL	1,178,977
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)			
Line	No.	Item	Amount
		(a)	(b)
15			
16			
17			
18			
19			
20			
21			
22		TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)			
Line	No.	Item	Amount
		(a)	(b)
23		Pilot - City of Holyoke	1,080,940
24		Pilot - Others	79,768
25			
26			
27			
28			
29			
30		TOTAL	1,160,708
APPROPRIATIONS OF SURPLUS (Account 436)			
Line	No.	Item	Amount
		(a)	(b)
31		Bond Principal Payments	208,333
32		Note Payable to City	1,140,000
33		Note Payable to Bank	184,119
34			
35			
36			
37			
38		TOTAL	1,532,452

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

Line No.	Acct. No.	Gas Schedule	Cubic Feet	Revenue Received	Average Revenue per M.C.F. (\$0,000)
1	482	Municipal B	56,987	618,842	10,8593
2					
3					
4		TOTALS	56,987	618,842	10,8593
Line No.	Acct. No.	Electric Schedule	K.W.H.	Revenue Received	Average Revenue per K.W.H. (cents) (\$0,000)
5	444	Municipal: (Other Than Street Lighting)	17,485,485	2,107,435	0.1205
6					
7					
8		TOTALS	17,485,485	2,107,435	0.1205
9					
10		Street Lighting	3,828,709	470,828	0.1230
11		TOTALS	3,828,709	470,828	0.1230
12					
13					
14					
15					
16					
17					
18					
19		TOTALS	21,314,194	2,578,264	0.1210

PURCHASED POWER (Account 555)

Line No.	Names of Utilities from which Electric Energy is Purchased	Where and at What Voltage Received	K.W.H.	Amount	Cost per K.W.H. (cents) (\$0,000)
20					
21					
22					
23					
24					
25					
26					
27					
28					
29		TOTALS			

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities from which Electric Energy is Purchased	Where and at What Voltage Received	K.W.H.	Amount	Revenues per K.W.H. (cents) (\$0,000)
30					
31					
32					
33					
34					
35					
36					
37		TOTALS			

ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
 2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
 3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water, heating, etc.; indicate in a footnote the number of such duplicate customers included in the classification.
 4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
 5. Classification of Commercial and Industrial Sales, 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	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Increase or (Decrease) from Preceding Year	Amount for Year	Increase or (Decrease) from Preceding Year	Amount for Year	Increase or (Decrease) from Preceding Year	Number for Year

1	SALES OF ELECTRICITY						
2	440 Residential Sales.....	(146,082)	103,071,171	(2,113,000)	14,509	10	
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5.....	(135,003)	168,899,756	(1,422,411)	2,119	8	
5	Large (or Industrial) see instr. 5.....	233,713	57,151,326	1,213,192	57	(2)	
6	444 Municipal Sales (pg 22).....	(186,204)	21,314,194	(1,742,031)	97	2	
7	445 Other Sales to Public Authorities.....						
8	446 Sales to Railroads and Railways.....						
9	448 Interdepartmental Sales (484).....	(37,063)		10,139	490	7	
10	449 Miscellaneous Electric Sales.....	2,464	2,184,038				
11	Total Sales to Ultimate Consumers	41,685,966	352,620,485	(4,054,111)	17,272	25	
12	447 Sales for Resale.....	0	0	0	N/A		N/A
13	TOTAL SALES OF ELECTRICITY*	(268,175)	352,620,485	(4,054,111)	17,272	25	
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts.....						
16	451 Miscellaneous Service Revenues.....	189,247	25,315	476			
17	453 Sales of Water and Water Power.....	6,347		1,418			
18	454 Rent from Electric Property.....	47,047					
19	455 Interdepartmental Rents.....						
20	456 Other Electric Revenues.....	1,746,084	30,668				
21	456 Steam Revenues.....	0	0				
22	Miscellaneous Adjustments to Sales.....						
23	23						
24	24						
25	Total Other Operating Revenues	1,988,725	57,877				
26	TOTAL ELECTRIC	43,674,691	(210,298)				
27	OPERATING REVENUES						

*Includes revenues from application of fuel clauses 8,895,575.39
 Total KWH to which applied 296,321,632

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the k.W.H. sold, the amount derived and the number of customers under each

filed schedule or contract. Municipal sales and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(\$0.0000) (d)	Number of Customers (per Bills Rendered)	
						July 31 (e)	December 31 (f)
1	440-00	Residential (ER)	103,071,171	12,620,847	0.1224	14,497	14,513
2	440-01	Residential - Off Peak	0	0	0.0000	0	0
3	440-02	Residential - General Service (EK)	0	0	0.0000	0	0
4	442-00	Commercial (EC)	168,899,756	20,458,171	0.1211	2,112	2,118
5	442-02	Commercial D	0	0	0.0000	0	0
6	442-03	Area Lighting (CL)	2,184,038	328,515	0.1504	486	487
7	442-01	Industrial (L, HW, SI)	57,151,326	5,451,224	0.0964	58	56
8	444-00	Municipal Lighting (MC)	17,485,485	2,107,435	0.1205	98	93
9	444-01	Street Lighting (SL)	3,828,709	470,828	0.1230	1	1
10	484-00	Interdepartmental Sales		248,945			
11							
12							
13							
14							
15							
16							
17							
18							
19							
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38							
39							
40							
41	TOTAL SALES TO ULTIMATE CONSUMERS						
42	(Page 37 Line 11)		352,620,485	41,685,966	0.1182	17,252	17,268

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)	(b)	(c)
		Amount for Year	Amount for Year	Increase or (Decrease) from Preceding Year
1	POWER PRODUCTION EXPENSE			
2	STEAM POWER GENERATION			
3	Operation:			
4	500 Operation supervision and engineering.....	99,976		(272,685)
5	501 Fuel.....	0		(26,478)
6	502 Steam expense.....	5,524		(35,427)
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	105,500		(334,591)
13	Maintenance:			
14	510 Maintenance supervision and engineering.....	146,330		(41,020)
15	511 Maintenance of structures.....	0		(3,206)
16	512 Maintenance of boiler plant (50-501-04).....	0		(1,863)
17	513 Maintenance of electric plant.....	0		
18	514 Maintenance of miscellaneous steam plant (456).....			
19	Total Maintenance	146,330		(46,089)
20	TOTAL STEAM POWER GENERATION	251,829		(380,680)
21	NUCLEAR POWER GENERATION			
22	Operation:			
23	517 Operation supervision and engineering.....			
24	518 Fuel.....			
25	519 Coolants and water.....			
26	520 Steam expense.....			
27	521 Steam from other sources.....			
28	522 Steam transferred - Cr.....			
29	523 Electric expenses.....			
30	524 Miscellaneous nuclear power expenses.....			
31	525 Rents.....			
32	Total Operation	0		0
33	Maintenance:			
34	528 Maintenance supervision and engineering.....			
35	529 Maintenance of structures.....			
36	530 Maintenance of reactor plant equipment.....			
37	531 Maintenance of electric plant.....			
38	532 Maintenance of miscellaneous nuclear plant.....			
39	Total Maintenance	0		0
40	TOTAL NUCLEAR POWER GENERATION	0		0
41	HYDRAULIC POWER GENERATION			
42	Operation:			
43	535 Operation supervision and engineering.....	840,867		(96,034)
44	536 Water for power/fuel.....	366,666		2,278
45	537 Hydraulic expenses.....	355,421		(23,770)
46	538 Electric expenses.....			
47	539 Miscellaneous hydraulic power generation expenses.....	420,786		(7,171)
48	540 Rents.....	54,391		(21,032)
49	Total Operation	2,038,131		(145,729)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account	(a)	(b)	(c)
		Amount for Year	Amount for Year	(Decrease) from Preceding Year
1	HYDRAULIC POWER GENERATION - CONTINUED			
2	Maintenance:			
3	541 Maintenance Supervision and Engineering	327,768	327,768	(11,646)
4	542 Maintenance of Structures	35,767	35,767	18,377
5	543 Maintenance of Reservoirs, Dams and Waterways	546,679	546,679	(122,568)
6	544 Maintenance of Electric Plant			
7	545 Maintenance of Miscellaneous Hydraulic Plant	2,874,064	2,874,064	854,768
8	Total Maintenance	3,784,279	3,784,279	738,931
9	TOTAL HYDRAULIC POWER GENERATION	5,822,410	5,822,410	593,203
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	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	0
24	TOTAL OTHER POWER GENERATION	0	0	0
25	OTHER POWER SUPPLY EXPENSES			
26	555 Purchased Power	10,576,472	10,576,472	1,318,162
27	556 System Control and Load Dispatching			
28	557 Other Expenses	728,695	728,695	6,632
29	TOTAL OTHER POWER SUPPLY EXPENSES	11,305,167	11,305,167	1,324,793
30	TOTAL POWER PRODUCTION EXPENSES	17,379,406	17,379,406	1,537,316
31	TRANSMISSION EXPENSES			
32	Operation:			
33	560 Operation Supervision and Engineering	365,530	365,530	15,817
34	561 Load Dispatching			
35	562 Station Expenses	85,071	85,071	(65,210)
36	563 Overhead Line Expenses	1,205	1,205	1,205
37	564 Underground Line Expenses			
38	565 Transmission of Electricity by Others	2,533,119	2,533,119	(394,642)
39	566 Miscellaneous Transmission Expenses	33,473	33,473	14,481
40	567 Rents			
41	Total Operation	3,018,398	3,018,398	(428,349)
42	Maintenance:			
43	568 Maintenance Supervision and Engineering			
44	569 Maintenance of Structures	68,919	68,919	(54,380)
45	570 Maintenance of Station Equipment			
46	571 Maintenance of Overhead Lines	64,803	64,803	5,220
47	572 Maintenance of Underground Lines			
48	573 Maintenance of Miscellaneous Transmission Plant			
49	Total Maintenance	133,723	133,723	(49,159)
50	TOTAL TRANSMISSION EXPENSES	3,152,120	3,152,120	(477,508)

Line No.	Account	Amount for Year	(Decrease) from Preceding Year
	(a)	(b)	(c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation Supervision and Engineering	350,270	(36,718)
4	581 Load Dispatching		
5	582 Station Expenses	77,660	46,725
6	583 Overhead Line Expenses		
7	584 Underground Line Expenses	0	(312)
8	585 Street Lighting and Signal System Expenses (852 Communications)	121,151	23,380
9	586 Meter Expenses	163,962	(83,346)
10	587 Customer Installations Expenses	228,715	(30,106)
11	588 Miscellaneous Distribution Expenses (163's incl)	184,130	18,034
12	589 Rents		
13	Telecom (163 & 852 incl)	912,663	(13,965)
14	Total Operation	2,038,551	(62,344)
15	Maintenance:		
16	590 Maintenance supervision and engineering	197,741	(18,506)
17	591 Maintenance of Structures		
18	592 Maintenance of Station Equipment	47,101	22,967
19	593 Maintenance of Overhead Lines	1,191,054	(804,566)
20	594 Maintenance of Underground Lines	407,078	(67,707)
21	595 Maintenance of Line Transformers	19,258	(32,795)
22	596 Maintenance of Street Lighting and Signal Systems	121,934	(25,817)
23	597 Maintenance of Meters	12,824	33
24	598 Maintenance of Miscellaneous Distribution Plant	11,348	(10,487)
25	Telecom	39,064	42,093
26	Total Maintenance	2,047,402	(936,888)
27	TOTAL DISTRIBUTION EXPENSES	4,085,953	(999,232)
28	CUSTOMER ACCOUNTS EXPENSES		
29	Operation:		
30	901 Supervision	144,044	17,222
31	902 Meter Reading Expenses		
32	903 Customer Records and Collection Expenses	329,864	53,918
33	904 Uncollectible Accounts	181,499	(274,819)
34	Telecom	1,557	(10,036)
35	TOTAL CUSTOMER ACCOUNTS EXPENSES	656,964	(213,665)
36	SALES EXPENSES		
37	Operation:		
38	911 Supervision	30,270	(8,280)
39	912 Demonstrating and Selling Expenses		
40	913 Advertising Expenses	14,695	6,203
41	Telecom	150,289	(7,688)
42	TOTAL SALES EXPENSES	195,254	(9,765)
43	ADMINISTRATIVE AND GENERAL EXPENSES		
44	Operation:		
45	920 Administrative and General Salaries	881,938	73,393
46	921 Office Supplies and Expenses	463,271	20,098
47	922 Administrative Expenses Transferred - Cr		
48	923 Outside Services Employed	867,965	148,226
49	924 Property Insurance	382,620	(50,186)
50	925 Injuries and Damages	144,252	32,110
51	926 Employees Pensions and Benefits	3,987,645	274,237
52	928 Regulatory Commission Expenses		
53	929 Duplicate Charges - Cr		
54	930 Miscellaneous General Expenses	609,944	54,666
55	931 Rents	294,091	(23,507)
56	Telecom		
57	Total Operation	7,631,725	662,543

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Annual Report of Holyoke Gas and Electric Department					
Pg 42					
Year Ended December 31, 2012					
ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED					
Line	No.	Account	Amount for Year		
		(a)	(b)		
			(c)		
			(d)		
1		ADMINISTRATIVE AND GENERAL EXPENSES - CONTINUED			
2		Maintenance:			
3	932	Maintenance of General Plant.....	302,489		
4	933	Transportation expense.....	18,471		
5		Telecom.....	4,271		
6		Total Maintenance	320,960		
7		TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	7,952,685		
8		TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	33,422,384		
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES					
Line	No.	Functional Classification	OPERATION	MAINTENANCE	TOTAL
		(a)	(b)	(c)	(d)
9		Power Production Expenses			
10		Electric Generation	105,500	146,330	251,829
11		Steam Power.....			
12		Nuclear Power.....	0	0	0
13		Hydraulic Power.....	2,038,131	3,784,279	5,822,410
14		Other Power.....	0	0	0
15		Other Power Supply Expenses.....	11,305,167	0	11,305,167
16		Total Power Production Expenses	13,448,798	3,930,608	17,379,406
17		Transmission Expenses.....	3,018,398	133,723	3,152,120
18		Distribution Expenses.....	2,038,551	2,047,402	4,085,953
19		Customer Accounts Expenses.....	656,964	0	656,964
20		Sales Expenses.....	195,254	0	195,254
21		Administrative and General Expenses.....	7,631,725	320,960	7,952,685
22		TOTAL ELECTRIC OPERATION AND MAINTENANCE EXPENSES	26,989,691	6,432,693	33,422,384
23					
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)			
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 573,237.95)			
26		Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)			
					98.0
					84.70%
					8,430,296

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) (d)	Number of Customers (per Bills Rendered) (e)	December 31 (f)	
1	480-00	Residential	634,411	7,885,991	12.4304	9,150	9,619	
2	481-01	Commercial	536,717	5,980,214	11.1422	804	1,142	
3	481-03	Industrial	434,355	2,980,747	6.8625	29	29	
4	481-04	Interruptible	184,448	1,923,615	10.4290	25	42	
5	482-01	Municipal	56,987	618,842	10.8593	39	41	
6	484-00	Interdepartmental Sales	16,965	59,084	3.4827	21	21	
7								
8								
9								
10								
11								
12								
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39								
40								
41	TOTAL SALES TO ULTIMATE CONSUMERS							10,894
42	(Page 43 line 11)							10,894

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	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		
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		
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		
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		
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)	(b)	(c)
		Amount for Year	Amount for Year	Increase or (Decrease) from Preceding Year
1	OTHER GAS SUPPLY EXPENSES			
2	Operation:			
3	804 Natural gas city gate purchases.....	10,885,061		(1,722,964)
4	805 Other gas purchases.....	527,614		52,846
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.....			
10	813 Other gas supply expenses.....	239,812		(54,696)
11	TOTAL GAS SUPPLY EXPENSES	11,640,862		(1,723,073)
12	TOTAL PRODUCTION EXPENSES	11,640,862		(1,723,073)
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	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.....			
24	Total Maintenance	1,996	1,996	1,996
25	TOTAL STORAGE EXPENSES	1,996	1,996	1,996
26	TRANSMISSION AND DISTRIBUTION EXPENSES			
27	Operation:			
28	850 Operation supervision and engineering.....	306,657		39,576
29	851 System control and load dispatching.....	179,545		(12,800)
30	852 Communication system expenses.....	161,029		27,391
31	853 Compressor station labor and expenses.....	307,928		21,583
32	855 Fuel and power for compressor station.....			
33	857 Measuring and regulating station expenses.....	69,577		(13,730)
34	858 Transmission and compression of gas by others.....			
35	874 Mains and services expenses.....			
36	878 Meter and house regulator expenses (incl 10-666-00).....	169,214		6,462
37	879 Customer installation expenses.....	486,830		17,559
38	880 Other expenses (10-814-00 & 163 & 888-02).....	646,974		2,869
39	881 Rents.....			
40	Total Operation	2,327,753		88,910
41	Maintenance:			
42	885 Maintenance supervision and engineering.....			
43	886 Maintenance of structures and improvements.....			
44	887 Maintenance of mains.....	534,897		94,832
45	888 Maintenance of compressor station equipment.....	108,418		(59,739)
46	889 Maintenance of measuring and regulating station equipment.....	1,728		63
47	892 Maintenance of services.....	309,604		97,529
48	893 Maintenance of meters and house regulators.....	101,082		361
49	894 Maintenance of other equipment (10-853-01,03).....	113,510		13,075
50	Total Maintenance	1,169,239		146,120
51	TOTAL TRANSMISSION AND DISTRIBUTION EXPENSES	3,496,992		235,030

GAS OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account	(a)	(b)	(c)
		Amount for Year	Amount for Year	Preceding Year
			Increase or	(Decrease) from
1	CUSTOMER ACCOUNTS EXPENSES			
2	Operation:			
3	901 Supervision.....	77,284	77,284	9,339
4	902 Meter reading expenses.....			
5	903 Customer records and collection expenses.....	177,524	177,524	28,938
6	904 Uncollectible accounts.....	62,436	62,436	(46,007)
7	905 Miscellaneous customer accounts expenses.....			
8	TOTAL CUSTOMER ACCOUNTS EXPENSES	317,245	317,245	(7,730)
9	SALES EXPENSES			
10	Operation:			
11	911 Supervision.....	16,300	16,300	(4,458)
12	912 Demonstrating and selling expenses.....			
13	913 Advertising expenses.....	7,405	7,405	3,832
14	916 Miscellaneous sales expenses.....			
15	TOTAL SALES EXPENSES	23,704	23,704	(627)
16	ADMINISTRATIVE AND GENERAL EXPENSES			
17	Operation:			
18	920 Administrative and general salaries.....	543,608	543,608	42,126
19	921 Office supplies and expenses.....	177,624	177,624	4,070
20	922 Administrative expenses transferred - Cr.....			
21	923 Outside services employed.....	158,232	158,232	(1,926)
22	924 Property insurance.....	87,265	87,265	(29,640)
23	925 Injuries and damages.....	45,791	45,791	1,768
24	926 Employees pension and benefits.....	1,959,856	1,959,856	118,894
25	928 Regulatory commission expenses.....			
26	929 Duplicate charges - Cr.....			
27	930 Miscellaneous general expenses.....	290,743	290,743	46,293
28	931 Rents.....			
29	Total Operation	3,263,119	3,263,119	181,585
30	Maintenance:			
31	932 Maintenance of general plant.....	98,943	98,943	(16,099)
32	TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	3,362,062	3,362,062	165,485
33	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	17,572,683	17,572,683	(1,328,919)
SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSES				
Line No.	Functional Classification	(a)	(b)	(c)
34	Steam production.....	0	0	0
35	Manufactured gas production.....	0	0	0
36	Other gas supply expenses.....	11,640,862	11,640,862	11,640,862
37	Total Production Expenses	11,640,862	11,640,862	11,640,862
38	Local storage expenses.....	0	1,996	1,996
39	Transmission and distribution expenses.....	2,327,753	1,169,239	3,496,992
40	Customer accounts expenses.....	317,245	0	317,245
41	Sales Expenses.....	23,704	0	23,704
42	Administrative and General Expenses.....	3,263,119	98,943	3,362,062
43	TOTAL GAS OPERATION AND MAINTENANCE EXPENSES	17,572,683	1,270,178	18,842,861
44	Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%)			
44	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)			97.38%
45	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts			3,363,665
46	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part time employees)			42.0

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	Where Delivered and Where and How Measured	M.C.F. (1000 BTU)	Rate per M.C.F. (\$0.0000)	Amount
(a)	(b)	(c)	(d)	(e)	(f)
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	Revenue	Inventory Cost	Labor, Handling, Selling, Etc.	Total Cost	Net Revenue
(a)	(b)	(c)	(d)	(e)	(f)	(g)
14						
15						
16						
17						
18						
19						
20						
21	TOTALS	0	0	0	0	0

PURCHASED GAS (Accounts 804-806)

Line No.	Name of Companies from which Gas is Purchased	Where Received and Where and How Measured	M.C.F. (1000 BTU)	Rate per M.C.F. (\$0.0000)	Amount
(a)	(b)	(c)	(d)	(e)	(f)
22	Cargill Inc	TPG Zone 5	96,534	4.0159	387,673
23	Cokinos Energy Corp	TPG Zones 0,1,6	394,473	3.2595	1,285,790
24	EI Paso Corp (Tenn Gas Pipeline) Demand	TPG Zones 0-6			3,358,750
25	Summit Energy Corp (Consulting)				72,000
26	BP Energy Company	TPG Zones 0,1,6	689,161	3.8057	2,622,723
27	Anadarko Pet	TPG Zones 0,1,6	122,000	2.6178	319,371
28	Total Gas & Power	TPG Zones 0,1,6	643,537	3.5784	2,302,827
29	Other (LNG Reservation: DOMAC)				182,500
30	Other (LNG Reservation: Bay State Gas)				160,000
31	LNG (605-01) Commodity "Used"				527,614
32	DOMAC, Bay State Gas				
33					
34	TOTALS		2,008,503	5.5859	11,219,248

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)	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										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28	TOTAL		0	0	0	0	0	0	0	0

N/A

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13			NONE		
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

Annual Report of Holyoke Gas and Electric Department					
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.....				
4	Contract Work.....				
5	Commissions.....				
6	Other (List according to major classes).....				
7					
8					
9					
10	Total Revenues	46	197,981	0	198,027
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16	Labor				
17	Materials				
18					
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				
27	Customer accounts expenses.....				
28	Administrative and general expenses.....				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47	TOTAL COSTS AND EXPENSES	0	66,617	0	66,617
48	Net Profit (or Loss)	46	131,364	0	131,410

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
 2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G.

3. Report separately firm, dump, and other power sold to across a state line.
 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)	(f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								

N/A

Kw or Kva of Demand

(Specify which)

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
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	Statistical Classification	Import Across State Line	Point of Receipt	Sub Station	kw or kva of Demand		Annual Maximum Demand	Line
						Contract Demand	Average Monthly Demand		
1	PASNY	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	Wyman No. 4	O	x	Holyoke, MA	RS	4,262		15,500	
6	NextEra Energy Power Marketing	FP		Mass Hub	RS				34,500
7	Hydro Quebec 1	O	x	Holyoke, MA	RS				
8	NEPOOL OATT	O		Holyoke, MA	RS				
9	Hydro Quebec II	O	x	Holyoke, MA	RS				
10	MMWEC SP 2006A (Stony Brook No. 3)*	O		Holyoke, MA	RS				
11	Nu Transmission RNS Rental	O		Holyoke, MA	RS				
12	Cobble Mountain**	O		Holyoke, MA	RS		33,900		
29	*New generator pre-construction costs								
30	**This Purchased Power generations costs are netted in a Miscellaneous Income Account 0040-CM-421-421-00-4								

PURCHASED POWER (Account 555) - Continued

** Includes Transmission Charges

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)

6. The number of kilowatt hours purchased should be the number shown by the power bills.

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

Line No.	Cost per KWH (Cents) (0.0000) (p)	Total (o)	Cost of Energy (Omit Cents)				Kilowatt-hours (k)	Voltage at Which Delivered (j)	Type of Demand Reading (l)
			Other Charges (n)***	Energy Charges (m)	Charges (i)	Charges (h)			
1	2.0252	300,956	113,517	72,493	114,946	14,860,783	115kv	60 Min.	
2	146.4978	104,658	3,948	12,405	88,305	71,440	115kv	60 Min.	
3	9.0700	2,299,483	2,526	206,710	2,090,247	25,352,520	115kv	60 Min.	
4	7.2398	2,486,198	12,376	240,032	2,233,790	34,340,766	115kv	60 Min.	
5	83.4078	219,229	5,824	50,415	162,990	262,840	115kv	60 Min.	
6	5.4392	3,864,422		3,864,422		71,048,000	115kv	60 Min.	
7		11,720	11,720				115kv	60 Min.	
8		2,032,780	2,032,780				115kv	60 Min.	
9		127,442	127,442				115kv	60 Min.	
10		4,760			4,760		115kv	60 Min.	
11	6.9304	74,885	74,885				115kv	60 Min.	
12		1,006,534	148,102	828,066	30,366	14,523,550	115kv	60 Min.	
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37	7.8107	12,533,067	2,533,120	5,274,543	4,725,404	160,459,899	TOTALS	***includes transmission charges	

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 Non-utilities, (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 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, and 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	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Received	Delivered	Net Difference	Amount of Settlement
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
1	NEPEX		Holyoke, MA	115kv	374,740,340	390,893,945	(16,153,605)	(703,012)
2	ICAP Sales		Holyoke, MA	115kv			*	(17,622)
3	NEPOOL GIS Sales		Holyoke, MA	115kv			**	4,221
4	Aubin Prop (c/o Open Square)		Holyoke, MA	115kv		726	(726)	52,666
5	Solar Constellation		Holyoke, MA	69kv		5,319	(5,319)	266,077
6	SWSC (c/o Cobble Mt)***		Westfield, MA			14,523,550	(14,523,550)	974,195
7	*Capacity Demand - kW only							
8	**Renewable Certificate - MWh only							
9	***This Purchased Power generations costs are netted in a Miscellaneous Income Account 0040-CM-421-421-00-4							
10								
11								
12					374,740,340	405,423,540	(30,683,200)	576,525
TOTALS								

B. Details of Settlement for Interchange Power

Line No.	Name of Company	Explanation	Amount
(i)	(j)	(k)	(l)
13	NEPEX	Nepool Expenses	428,236
14	NEPEX	NEPEX Interchange	(1,148,870)
15	Clearview Electric, Inc	Private Utility Interchange	(1,140)
16	Reliable Energy LLC	Private Utility Interchange	(453)
17	Spectron Energy, Inc		84
18	Noble & Wickersham LLP		520
19			
20			
21	Aubin Properties (c/o Open Square)	Non Utility Generator	52,666
22	Solar Constellation	Non Utility Generator	266,077
23	SWSC (c/o Cobble Mt)***	Non Utility Generator	979,405
24			
25			
26			
27			
28			
29			576,525
TOTALS			

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	234,070,960
6	Other	
7	Total Generation	234,070,960
8	Purchases	160,459,899
9	In (gross)	
10	Interchanges	
11	Net (kwh)	(30,683,200)
12	Received	
13	Delivered	
14	Net (kwh)	
15	TOTAL	363,847,659
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	352,620,485
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use)	
21	Electric department only	
22	Energy losses:	
23	Transmission and conversion losses	
24	Distribution losses	
25	Unaccounted for losses	
26	Total Energy Losses	9,094,319
27	Energy losses as percent of total on line 15	2.50%
28	TOTAL	363,847,659

MONTHLY PEAKS AND OUTPUT

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

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) (See Inset 4) (g)
29	January	57,962	Wed	4	1800	60 Min.	32,663,509
30	February	52,193	Thurs	16	1800	60 Min.	29,098,846
31	March	52,192	Mon	5	1900	60 Min.	28,592,554
32	April	47,685	Mon	16	1400	60 Min.	25,793,381
33	May	67,952	Tues	29	1600	60 Min.	28,787,654
34	June	71,304	Thurs	21	1400	60 Min.	30,376,677
35	July	77,083	Wed	18	1400	60 Min.	36,465,632
36	August	69,563	Thurs	9	1400	60 Min.	35,614,792
37	September	62,521	Fri	7	1500	60 Min.	28,563,191
38	October	51,351	Thurs	4	1200	60 Min.	27,690,529
39	November	54,315	Wed	7	1800	60 Min.	28,944,062
40	December	55,166	Mon	17	1800	60 Min.	31,256,832
41	TOTAL						363,847,659

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 term 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	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine),	Cabot 6 & 8	Hadley Falls 1 & 2	Hadley Falls 1 & 2
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	STEAM	HYDRO	HYDRO
3	Year originally constructed	1902	1954	1954
4	Year last unit was installed	1961	1984	1984
5	Total installed capacity (maximum generator name plate ratings in kw)	20,000	33,400	33,400
6	Net peak demand on plant-kilowatts (60 min.)	19,306	33,400	33,400
7	Plant hours connected to load	0	7,814	7,814
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water	19,306		
10	(b) When limited by condenser water	0		
11	Average number of employees	2	28	28
12	Net generation, exclusive of station use		175,813,140	175,813,140
13	Cost of plant (omit cents):		986,920	986,920
14	Land and land rights	0	3,287,275	3,287,275
15	Structures and improvements	1,406,755	15,694,067	15,694,067
16	Reservoirs, dams, and waterways		11,013,178	11,013,178
17	Equipment costs	295,734		
18	Roads, railroads, and bridges			
19	Total Cost	1,702,490	30,981,440	30,981,440
20	Cost per kw of installed capacity	85	928	928
21	Production expenses:			
22	Operation supervision and engineering	99,976	580,198	580,198
23	Station labor	0	788,582	788,582
24	Fuel	0	2,124,738	2,124,738
25	Supplies and expenses, including water	5,524	37,530	37,530
26	Maintenance	146,330		
27	Rents			
28	Steam from other sources			
29	Steam transferred -- Credit	0		
30	Total Production Expenses	251,829	3,531,049	3,531,049
31	Expenses per net Kwh (5 places)	N/A	0.02008	0.02008
32	Fuel: Kind	OIL	GAS	
33	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M.cu. ft.) (Nuclear, indicate)	Barrels	MCF	
34	Quantity (units) of fuel consumed			
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)			
36	Average cost of fuel per unit, del. f.o.b. plant			
37	Average cost of fuel per unit consumed			
38	Average cost of fuel consumed per million B.t.u.			
39	Average cost of fuel consumed per kwh net gen			
40	Average B.t.u. per kwh net generation			

GENERATING STATION STATISTICS (Large Stations) -- Continued

(Except Nuclear, See Instruction 10)

547 as shown on Line 24.
 8: The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses.
 9: If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined operation with a conventional steam unit, the gas turbine should be included with the steam station.
 10: If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Line No.	Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
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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,

Boilers

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	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	Municipal Electric Station	Cabot Street Holyoke, MA 01040	#5 1961	Oil, Gas Automatic	500 PSIG	750	180,000
4			#7 2005	Oil, Gas Automatic	550 PSIG	750	80,000
9			#8 2005	Oil, Gas Automatic	550 PSIG	750	80,000
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

Note References:

* Indicates reheat boilers thusly, 1050/1000.

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 lease, 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.

Line No.	Station Capacity	Name Plate Rating++++ (r)	Voltage K.v.+++ (q)	Power Factor (p)	Hydrogen Pressure++ (o)		Name Plate Rating in Kilowatts (m)		R.P.M. (k)	Steam Pressure at Throttle p.s.i.g. (j)	Type+ (i)	Year Installed (h)
					Max.	Min.	At	Minimum Pressure (l)				
1	10,000 kw	10,000 kw	13.8	80%	Air	-	10,000 kw	-	3,600	450	SC	1955
2	10,000 kw	10,000 kw	13.8	80%	Air	-	10,000 kw	-	3,600	450	SC	1952
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29		20,000						TOTALS				

Note references:

* Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section.
 + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and noncondensing (N.C.). Show back pressures.
 ++ Designate air cooled generators.
 +++ If other than 3 phase, 60 cycle, indicate other characteristics.
 ++++ Should agree with column (m).

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	Location of Station	Name of Stream	Attended or Unattended	Type of Unit*	Year Installed	Gross Static Head with Pond Full
1	#1 Holyoke/Cabot	Electric Station	Connecticut River	Unattended	Vertical Francis	1923	19 Ft.
2	Unit #1	Cabot Street	Via Canal System	Unattended	Vertical Francis	1923	16 Ft.
3	Unit #2				Vertical Francis	1923	16 Ft.
4	Unit #3				Vertical Kaplan	1938	18 Ft.
5	Unit #4				Vertical Kaplan	1938	18 Ft.
6							
7	#2 Holyoke/Cabot	Sargeant Street	Connecticut River	Unattended	Vertical Kaplan	1938	18 Ft.
8							
9							
10	#3 Holyoke/Cabot	Race Street	Connecticut River	Unattended	Vertical Kaplan	1940	12.5 Ft.
11							
12							
13	#4 Holyoke/Cabot	Cabot Street	Connecticut River	Unattended	Vertical Morgan Smith	1955	18 Ft.
14	Unit #1		Via Canal System	Unattended			
15	Unit #2						
16							
17	Hadley Falls	Gatehouse Road	Connecticut River	Attended	Vertical Kaplan	1964	50 Ft.
18	Unit #1				Vertical Kaplan	1964	50 Ft.
19	Unit #2				Fixed Propeller	1984	50 Ft.
20							
21	Beebe Holbrook	Dwight Street	Connecticut River	Unattended	Vertical Francis	1948	20 Ft.
22	Unit #1		Via Canal System	Unattended	Vertical Francis	1948	20 Ft.
23	Unit #2				Vertical Francis	1948	20 Ft.
24							
25	Boatlock	Gatehouse Road	Connecticut River	Unattended	Vertical Kaplan	2010	20 Ft.
26	Unit #1		Via Canal System	Unattended	Vertical Kaplan	2010	20 Ft.
27	Unit #2				Vertical Francis	1924	20 Ft.
28	Unit #3				Vertical Francis	1924	20 Ft.
29							
30	Skinner	Appleton Street	Connecticut River	Unattended	Vertical Francis	1924	20 Ft.
31							
32							
33	Chemical	South Water Street	Connecticut River	Unattended	Vertical Kaplan	1935	22 Ft.
34	Unit #1		Via Canal System	Unattended	Vertical Kaplan	1935	22 Ft.
35	Unit #2						
36							
37	Riverside 4-7	Water Street	Connecticut River	Unattended	Horizontal Francis	1921	33 Ft.
38	Unit #1		Via Canal System	Unattended	Horizontal Francis	1921	33 Ft.
39	Unit #2				Horizontal Francis	1921	33 Ft.
40	Unit #3				Vertical Francis	1921	33 Ft.
41							
42	Riverside 8	Water Street	Connecticut River	Unattended	Vertical Francis	1931	33 Ft.
43							
44							

* 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.

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.

Total Installed		Generators					Water Wheels -- Continued				
Line	No.	Generating Capacity in Kilowatts (name place ratings) (q)	Number of Station Units in (p)	Name Plate Rating of Unit in Kilowatts (o)	Frequency or d.c. (n)	Phase (m)	Voltage (l)	Year Installed (k)	Maximum hp. Capacity of Unit at Design Head (j)	R.P.M. (i)	Design Head (h)

19		966	4	263	60 cy	3	4,800	1923	322 HP	200	19'
2				221	60 cy	3	4,800	1923	322 HP	200	19'
3				263	60 cy	3	4,800	1923	386 HP	180	19'
4				219	60 cy	3	4,800	1923	386 HP	180	19'
5				993	60 cy	3	4,800	1938	1,107 HP	180	19'
6		993	1	993	60 cy	3	4,800	1938	1,107 HP	180	19'
7				518	60 cy	3	4,800	1940	716 HP	129	12.5'
8		518	1	518	60 cy	3	4,800	1940	716 HP	129	12.5'
9				343	60 cy	3	600	1955	410 HP	138	19'
10		670	2	327	60 cy	3	600	1955	410 HP	138	19'
11				17,600	60 cy	3	13,800	1954	22,000 HP	122	52'
12		33,400	2	15,800	60 cy	3	6,900	1984	21,500 HP	150	50'
13				282	60 cy	3	600	1948	440 HP	200	19'
14		586	2	304	60 cy	3	600	1948	440 HP	200	19'
15				700	60 cy	3	6,900	2010	944 HP	240	20'
16		3,284	3	1,292	60 cy	3	6,600	1924	1,850 HP	106	20'
17				280	60 cy	3	600	1924	400 HP	180	20'
18		280	1	800	60 cy	3	600	1935	1,430 HP	200	24'
19		1,600	2	800	60 cy	3	600	1935	1,430 HP	200	24'
20				950	60 cy	3	6,600	1921	1,250 HP	4,200	33'
21		3,435	3	750	60 cy	3	2,300	1921	1,040 HP	5,200	33'
22				1,735	60 cy	3	6,900	1921	2,250 HP	7,150	33'
23				4,500	60 cy	3	2,400	1931	6,000 HP	128	33'
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44		50,232	22	50,232							

SUB TOTALS

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

Water Wheels

Line No.	Name of Station (a)	Location of Station (b)	Name of Stream (c)	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	Unattended	Vertical Kaplan	1994	26.3 Ft.
2			Via Canal System				
3							
4	Albion:						
5	Unit #D	Water Street	Connecticut River	Unattended	Vertical Francis	1928	30 Ft.
6	Unit #A		Via Canal System		Vertical Francis	1954	30 Ft.
7							
8	Nonotuck	Water Street	Connecticut River	Unattended	Vertical Francis	1965	30 Ft.
9			Via Canal System				
10							
11	Gill:						
12	Unit #D	Water Street	Connecticut River	Unattended	Vertical Type 2	1934	30 Ft.
13			Via Canal System				
14	Mt Tom	Water Street	Connecticut River	Unattended	Vertical Francis	1956	30 Ft.
15			Via Canal System				
16							
17							
18							
19							
20							
21	Note: 1) Albion units are separate stations, combined here by common building						
22	2) Albion, Nonotuck, Gill and Mt Tom comprise asset Harris Energy						
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

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

COMBUSTION ENGINE AND OTHER GENERATING STATIONS

(except nuclear stations)

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. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property. 2. 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.	(a) Name of Station	(b) Location of Station	(c) Diesel or Other Type Engine	(d) Name of Maker	(e) Year Installed	(f) 2 or 4 Cycle	(g) Belled or Direct Connected
Prime Movers							
1				N/A			
2							
3							
4							
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37							

COMBUSTION ENGINE AND OTHER GENERATING STATIONS -- Continued

(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company. 4. Designate any generating station or portion thereof 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.

		Generators						Prime Movers -- Continued	
Line No.	Total Installed Generating Capacity in Kilowatts (name plate ratings) (p)	Number of Units in Station (o)	Name Plate Rating of Unit in Kilowatts (n)	Frequency or d.c. (m)	Phase (l)	Voltage (k)	Year Installed (i)	Total Rated hp. of Station Prime Movers (i)	Rated hp. of Unit (h)
1									
2									
3									
4									
5									
6									
7									
8									
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33									
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35									
36									
37				TOTALS					

N/A

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more)
2. Designate any plant leased from others, operated under a license from the Federal Power Commission.
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, or operated as a joint facility, and give a concise statement of the facts in a footnote.
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	Year Const.	Installed Capacity	Name Plate Demand	Peak Demand (60 Min.)	Net Generation Excluding Station Use	Cost of Plant (Omit Cents)	Plant Cost		Fuel of Generation (Cents) (0,000)	Kind of Fuel
								Per KW	Inst. Capacity		
1	Holy/Cabot 1-4*	1923	3,147	3,147	8,456,480	1,122,516	357	100,580	149,420	2,9563	Hydro
2	Beebe Holbrook	1948	586	586	258,230	359,205	613	21,941	25,701	18,4498	Hydro
3	Chemical	1935	1,600	1,600	3,549,430	673,510	421	38,046	26,019	1,8050	Hydro
4	Skinner	1924	280	280	778,050	359,205	1,283	25,914	25,821	6,6493	Hydro
5	Boatlock	1924	3,094	3,094	13,204,710	3,098,144	1,001	166,121	261,630	3,2394	Hydro
6	Riverside 4-7	1921	3,435	3,435	8,285,130	3,749,203	1,091	197,104	336,451	6,4399	Hydro
7	Riverside 8	1931	4,500	4,500	19,620,780	3,749,203	833	197,104	336,451	2,7193	Hydro
8	Harris Energy*	varies	2,262	2,262	838,580	179,603	79	32,602	338,864	44,2970	Hydro
9	Valley Hydro	1994	790	720	3,266,430	628,609	796	9,964	1,628	0,3549	Hydro
TOTALS					58,257,820	13,919,198		789,375	1,501,986	3,9331	

* These facilities are comprised of more than one plant, however combined herewith for ease of reporting. Holyoke/Cabot 1-4 includes Holyoke 1, Holyoke 2, Holyoke 3, and Holyoke 4 plants. Harris Energy includes Albion A, Albion D, Gill D, Mt Tom, and Nonotuck plants.

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	From (a)		Operating Voltage (c)	Type of Supporting Structure (d)	On Structures of Length (Pole Miles) (e)	On Structures of Another Line (f)	Number of Circuits (g)	Size of Conductor and Material (h)
	Designation (b)							
1	WMECO	HGE	115 KV	Steel Pole	0.03 miles		1	795 KCM ACSR
2	Chicopee	North Canal						
3	TAP	Substation						
4								
5	WMECO	HGE	115 KV	Wood and Steel Pole	5.23 miles		1	795 KCM ACSR
6	Southampton	Ingleside						
7	TAP	Substation						
8								
9	HGE	HGE	115 KV	Wood and Steel Pole	3.14 miles		1	795 KCM ACSR
10	Ingleside	Holyoke						
11	Substation	Substation						
12								
13	HGE	HGE	115 KV	Wood and Steel Pole	0.85 miles		1	795 KCM ACSR
14	North Canal	Holyoke						
15	Substation	Substation						
16								
17								
18								
19								
20								
21								
22								
23								
24								
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41								
42								
43								
44	TOTALS							
	9.25 miles							
	4							

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

SUBSTATIONS

- Report below the information called for concerning substations of the respondent as of the end of the year.
- Substations which serve but one industrial or street railway customer should not be listed hereunder.
- 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.
- Indicate in column (b) the functional character of each substation, designating whether transmission or distribution, and whether attended or unattended.
- Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
- 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.

Line No.	Name and Location of Substation	Character of Substation	VOLTAGE			Capacity of Substation in Kva (in Service)	Number of Trans-formers or Spare Trans-formers	Type of Equipment	Number of Units	Total Capacity
			Primary	Secondary	Tertiary					
1	Highland Substation	Outdoor	13,800	4,800	-	9,374	2 @	1		
2	Dwight & Northampton Street	Distribution	13,800	4,800	-	9,374	2 @	1		
3	Holyoke, MA 01040	Unattended								
4										
5	Oakdale Substation	Outdoor	13,800	4,800	-	9,374	2 @	1		
6	Beech Street	Distribution	13,800	4,800	-	9,374	2 @	1		
7	Holyoke, MA 01040	Unattended								
8										
9	Wainut Substation	Outdoor	13,800	4,800	-	9,374	2 @	1		
10	Wainut Street	Distribution	13,800	4,800	-	9,374	2 @	1		
11	Holyoke, MA 01040	Unattended								
12										
13	West Holyoke Substation	Outdoor	13,800	4,800	-	8,400	2 @	1		
14	Homestead Avenue	Distribution	13,800	4,800	-	8,400	2 @	1		
15	Holyoke, MA 01040	Unattended								
16										
17	Holyoke Substation	Transmission	115,000	13,800	-	50,000	2 @	0		
18	102 Cabot Street (rear)	Distribution	13,800	13,800	-	15/20/25				
19	Holyoke, MA 01040	Unattended								
20										
21	Ingliside Substation	Transmission	115,000	13,800	-	1 @ 18/24/30				
22	320 Whitney Avenue	Distribution	13,800	13,800	-	2 @ 15/20/25				
23	Holyoke, MA 01040	Unattended								
24										
25	Prospect Substation	Transmission	115,000	13,800	-	2 @				
26	356 Prospect Street	Distribution	13,800	13,800	-	44,800	2 @	0		
27	Chicopee, MA 01020	Unattended								
28										
29	Mt. Tom Substation	Outdoor	13,800	4,800	-	5,751	3 @	0		
30	Mt. Park Access Road	Distribution	13,800	4,800	-	5,751	3 @	0		
31	Holyoke, MA 01040	Unattended								
32										
33	North Canal Substation	Transmission	115,000	34,500	-	180,000	2 @	0		
34	50 Water Street	Distribution	13,800	34,500	-	60,000	2 @	0		
35	Holyoke, MA 01040	Unattended								
36										
37										5,400
TOTALS										
441,873										
22										
4										
1										
5,400										

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

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.	Length (Pole Miles)		Miles - Beginning of Year.....	Miles - End of Year.....	Distribution System Characteristics - A.C. or D.C., phase, cycles and operating voltages for Light and Power.
	Wood Poles	Steel Towers			
1	946.149		946.149	950.035	
2	7.564		7.564		
3	(3.678)		(3.678)	0.000	
4					
5					
6					
7			13.87/7.9 KV		60 HZ
8			4.8 KV		60 HZ
9			600 V		60 HZ
10			480 V		60 HZ
11			480Y/277 V		60 HZ
12			240 V		60 HZ
13			208Y/120 V		60 HZ
14			120/240 V		60 HZ
15			120/240 V		60 HZ

Line No.	Item	Electric Services	Number of Watt-hour Meters	Number	Total Capacity (Kva)	ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS	
						Line Transformers	
16	Number at beginning of year.....	16,486	19,250	2,537	264,480		
17	Additions during year.....						
18	Purchased.....						
19	Installed.....	87	53	76	3,262		
20	Associated with utility plant acquired.....						
21	Total Additions.....	87	53	76	3,262		
22	Reductions during year:						
23	Retirements.....	71	380	37	2,070		
24	Associated with utility plant sold.....						
25	Total Reductions.....	71	380	37	2,070		
26	Number at End of Year.....	16,502	18,923	2,576	265,672		
27	In stock.....		1,927				
28	Locked meters on customer's premises.....						
29	Inactive transformers meters on system.....		153				
30	In customer's use.....		16,780				
31	In company's use.....		63				
32	Number at End of Year.....		18,923	2,576	265,672		

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

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

Line No.	Designation of Underground Distribution System	Miles of Conduit (All Sizes and Types)	Miles*	Operating Voltage	Feet*	Operating Voltage
	(a)	(b)	(c)	(d)	(e)	(f)
1	Steel	48,868				
2	Steel Conduit (encased)	1,431				
3	Non-Metallic Duct	88,341				
4	Non-Metallic Duct (encased)	81,974				
5						
6						
7						
8						
9						
10	Total - Beginning	375,518		13.8KV/7.9KV		
11				4.8KV/600V		
12				480V/277		
13				240/208/120		
14						
15	Net Primary Installed	0.863		13.8/7.9/4.8KV		
16						
17	Net Secondary Installed	2.848		600/480/277		240/208/120
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34	TOTALS	220,614	379,229			

*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM		Type	
Line No.	City or Town (a)	Total (b)	(c)
1	Holyoke, MA	79	
2		801	
3		1,430	
4		207	
5		343	
6		328	
7		814	
8			
9			
10			
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49			

TOTALS 4,002

WATTS 400
 WATTS 250
 WATTS 150
 WATTS 100
 WATTS 200
 WATTS 100
 WATTS 50

Incandescent
 Mercury Vapor
 LED
 Sodium Vapor
 Other (i)
 Municipal (j)
 Other (k)
 Municipal (l)
 Other (m)

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	0.0	0.0	0.0	0.0	0.0	0.0
3	LNG	62,797.6	20,372.0	4,533.6	4,322.0	3,510.0	3,967.0
4	Gas						
5	Gas						
6	Gas						
7	TOTAL	62,797.6	20,372.0	4,533.6	4,322.0	3,510.0	3,967.0
8	Gas Purchased	1,739,028.2	261,568.0	216,068.7	185,139.3	135,312.5	89,114.5
9	Natural G-6	164,578.0	50,735.0	54,112.0	12,014.0	0.0	2,175.0
10	Other - Storage	1,903,606.2	312,303.0	270,180.7	197,153.3	135,312.5	91,289.5
11	TOTAL	1,966,403.8	332,675.0	274,714.3	201,475.3	138,822.5	95,256.5
12	TOTAL MADE AND PURCHASED	1,966,403.8	332,675.0	274,714.3	201,475.3	138,822.5	95,256.5
13	Net change in Holder Gas	0.0	0.0	0.0	0.0	0.0	0.0
14	Gas						
15	TOTAL SEND OUT	1,966,403.8	332,675.0	274,714.3	201,475.3	138,822.5	95,256.5
16							
17							
18							
19	Gas Sold (Firm)	1,711,675.9	275,231.1	258,424.9	207,614.7	135,460.9	99,887.9
20	Gas Sold (Interr.)	189,909.2	29,678.0	25,611.4	17,696.4	14,230.2	11,092.9
21	Electric Station Use	4,534.5	0.0	0.0	824.8	825.2	206.4
22	Gas Used by Company	12,430.5	2,823.9	1,797.0	821.5	513.4	565.8
23	Sale for Resale	0.0	0.0	0.0	0.0	0.0	0.0
24	Gas Accounted For	1,918,550.1	307,733.0	285,833.3	226,956.4	151,029.7	111,753.0
25	Gas Unaccounted For	47,853.7	24,942.0	(11,119.0)	(25,481.1)	(12,207.2)	(16,496.5)
26	% Unaccounted For (0.00%)	2.43	7.50	(4.05)	(12.65)	(8.79)	(17.32)
27	Sendout in 24 Hours						
28	in Mcf						
29	Maximum Date	14,787.0	14,787.0	12,622.0	11,408.0	6,585.0	4,733.0
30	Minimum Date	1,439.0	6,057.0	6,512.0	2,831.0	2,581.0	2,072.0
31	Minimum Date	8/18/2012	1/1/2012	2/22/2012	3/22/2012	4/16/2012	5/27/2012
32							
33							
34	S.O. BTU	1,030	1,027	1,028	1,031	1,032	1,032
35	S.O. Sp. Gr.	0.59	0.59	0.59	0.59	0.59	0.59

Annual weighted average BTU content of gas sold: 1,030 BTU per Cubic Foot

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

Line No.	June	July	August	September	October	November	December
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3,919.0	3,588.0	4,505.0	2,870.0	3,918.0	4,235.0	3,058.0
3							
4							
5	3,919.0	3,588.0	4,505.0	2,870.0	3,918.0	4,235.0	3,058.0
6							
7							
8							
9	70,541.8	44,600.4	66,225.2	74,211.2	114,272.9	203,681.0	278,292.7
10	2,288.0	21,044.0	0.0	0.0	0.0	22,210.0	0.0
11	72,829.8	65,644.4	66,225.2	74,211.2	114,272.9	225,891.0	278,292.7
12	76,748.8	69,232.4	70,730.2	77,081.2	118,190.9	230,126.0	281,350.7
13							
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	76,748.8	69,232.4	70,730.2	77,081.2	118,190.9	230,126.0	281,350.7
16							
17							
18	71,651.5	62,043.9	59,890.4	64,436.2	87,597.1	157,984.4	231,452.9
19	8,260.7	6,957.5	7,308.0	8,334.1	11,909.3	21,739.1	27,092.6
20	206.2	187.6	0.0	225.8	206.4	822.8	1,029.3
21	205.5	240.3	224.9	190.3	941.2	1,542.4	2,564.3
22	80,323.9	69,429.3	67,423.3	73,186.4	100,654.0	182,088.7	262,139.1
23	(4.66)	(0.28)	4.68	5.05	14.84	20.87	6.83
24							
25							
26							
27							
28	3,076.0	2,300.0	2,339.0	3,014.0	5,652.0	10,056.0	11,195.0
29	6/4/2012	7/10/2012	8/28/2012	9/24/2012	10/12/2012	11/30/2012	12/30/2012
30	1,905.0	1,784.0	1,439.0	1,806.0	2,413.0	4,124.0	6,767.0
31	6/30/2012	7/28/2012	8/18/2012	9/1/2012	10/5/2012	11/12/2012	12/4/2012
32							
33	1,031	1,031	1,032	1,031	1,032	1,028	1,029
34	0.59	0.59	0.59	0.59	0.59	0.59	0.59
35							

GAS GENERATING PLANT

Line No.	General Description - Location, Size, Type, etc.	No. of Sets	24 Hour Cap. (MCF)
1	A) Liquefied Natural Gas Satellite Plant with four (4)		
2	55,000 gallon cryogenic storage tanks and one (1)		15,000
3	750 mcf/hr vaporizer located at Mueller Road.		
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
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		TOTAL	15,000

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	
35		
36		
37		
38		
39	Exhausters	
40		
41		

NONE

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						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
NONE						
HOLDERS (including Relief Holders) - Indicate Relief Holders by the letters R.H.						
Line	No.	Location	Type of Tank	Dimensions	No. of Lifts	Working Capacity
25						
26						
27						
28						
29						
30						
31						
32						
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	0	0	0	0	0
2	1 1/4"	0	0	0	0	0
3	1 1/2"	0	0	0	0	0
4	2"	475	0	0	276	199
5	2 1/2"	358	0	0	1,705	358
6	3"	27,344	0	0	1,105	25,639
7	4"	99,456	0	0	1,105	98,351
8	6"	93,671	0	0	776	92,895
9	8"	49,860	0	0	0	49,860
10	12"	29,337	0	0	0	29,337
11	16"	8,989	0	0	0	8,989
12						
13	Sub-Total	309,490	0	0	3,862	305,628
14	Welded Steel	107,502	10	10	10	107,502
15	2"	620	0	0	0	620
16	3"	620	0	0	0	620
17	4"	82,734	0	0	0	82,734
18	6"	132,959	0	0	0	132,959
19	8"	106,479	0	0	0	106,479
20	10"	12,070	0	0	0	12,070
21	12"	57,576	0	0	0	57,576
22	14"	3,292	0	0	0	3,292
23	16"	1,998	0	0	0	1,998
24						
25	Sub-Total	505,230	10	0	10	505,230
26	Wrought Iron	0	0	0	0	0
27	1 1/4"	0	0	0	0	0
28	1 1/2"	128	0	0	128	0
29	2"	671	0	0	378	293
30	2 1/2"	1,079	0	0	109	970
31	3"	319	0	0	0	319
32	4"	0	0	0	0	0
33						
34	Sub-Total	2,197	0	0	615	1,582
35	Plastic Main	51,258	2,436	0	0	53,694
36	2"	51,258	2,436	0	0	53,694
37	4"	23,024	4,215	0	0	27,239
38	6"	22,085	1,226	0	0	23,311
39	8"	32,275	150	0	0	32,425
40						
41	Sub-Total	128,642	8,027	0	0	136,669
42						
43	TOTALS	945,559	8,037	0	4,487	949,109

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.

NOTE: Beginning balances were adjusted based on field and record verifications as part of a continuing mapping/GIS data conversion

GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS

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

Line No.	Item	Gas	House Regulators	Meters
1	Number at beginning of year.....	7,614	3,042	14,007
2	Additions during year:			
3	Purchases.....		166	322
4	Installed.....	369		
5	Associated with Plant acquired.....			
6	TOTAL ADDITIONS	369	166	322
7	Reductions during year.....		228	
8	Retirements.....	318	38	163
9	Associated with Plant sold.....			
10	TOTAL REDUCTIONS	318	266	163
11	NUMBER AT END OF YEAR	7,665	2,942	14,166

12	In Stock.....	2,074		
13	On Customers' Premises - Inactive.....	1,198		
14	On Customers' Premises - Active.....	10,873		
15	In Company Use.....	21		
16	NUMBER AT END OF YEAR	14,166		
17	Number of Meters Tested by State Inspectors During Year.....			1,863

RATE SCHEDULE INFORMATION

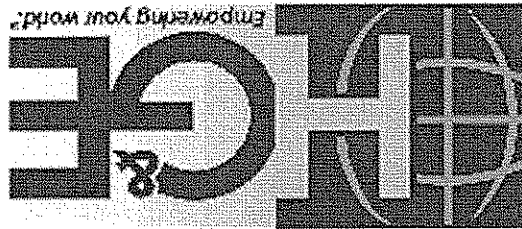
1. Attach copies of all Filed Rates for General Consumers.

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	Increase	Decrease
			Estimated Effect on Annual Revenues	
SEE ATTACHED				

Schedule of Rates 2012

Holyoke Gas & Electric Department
99 Suffolk Street, Holyoke, MA 01040



HOLYOKE GAS AND ELECTRIC DEPARTMENT
RATES AS OF DECEMBER 31, 2012

MDPU No	Effective	Replaces
104G	06/15/85	G2
105G	06/15/85	G6
118G	02/13/03	GR
119G	02/13/03	B1
120G	02/13/03	B2
121G	02/13/03	B3
122G	02/13/03	
123G	02/13/03	F1
124G	02/13/03	F2
125G	02/13/03	F3
126G	02/13/03	
130E	09/01/85	
140E	12/01/85	93E
161E	03/01/98	
168E	08/01/03	
170E	08/01/03	155E, 157E
171G/E/S	09/10/03	150GE
172E	10/09/03	158E
178E	08/12/09	166E
180E	08/12/09	175E
181E	08/12/09	176E
182E	01/11/11	177E
183E	07/12/11	
184E	08/10/11	179E
185E	11/10/12	New
186E	12/10/12	New
214G	11/01/08	114G

**INTERRUPTIBLE
GAS SERVICE SCHEDULE - NO. 2**

AVAILABILITY

Interruptible gas service is available under this schedule for boiler use 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 "duel fuel" provisions contained herein.

CHARACTER OF SERVICE

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

RATE - APPLIED MONTHLY

All gas purchased under this schedule at a rate computed as follows:

$$\text{Rate } \$/\text{CCF} = \text{No. 2 Oil Price} \times \overline{\text{GAS BTU}} + \text{A}$$

OIL BTUx42 -

Where:

No. 2 Oil Price: Low posting 2.2% sulphur at New Haven Harbor per Journal of Commerce.

\$/barrel.

Gas BTU: Average heat value of natural gas delivered BTU/CCF.

Oil BTU: 140,000 BTU/Gallon

A: Adjustment such that rate would be above volume

(Commodity + Dekatherm) cost of gas supplied. \$/CCF

NOTICE OF PRICE CHANGE

Notice of price change will be provided by telephone 12 hours in advance of change confirmed promptly in writing.

MINIMUM CHARGE

The minimum charge will be \$500 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 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

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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 rate of \$15.00 per mcf. However, if such failure to discontinue is due to the customer's dual fuel equipment being temporarily inoperable, the Department at its option, may bill the customer for gas subsequently used during the emergency at the rate of \$7.50 per mcf, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair his dual fuel equipment.

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.

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 either party giving to the other notice in writing 30 days prior to the expiration of any supply year. The basic period of interruptible supply under this schedule is from April 1st to November 1st.

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 - NO. 6**

AVAILABILITY

Interruptible gas service is available under this schedule for boiler use to Commercial and Industrial customers using No.6 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 "duel fuel" provisions contained herein.

CHARACTER OF SERVICE

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

RATE - APPLIED MONTHLY

All gas purchased under this schedule at a rate computed as follows:

$$\text{Rate } \$/\text{CCF} = \text{No.6 Oil Price} \times \text{GAS BTU} + \text{A}$$

OIL BTUx42 -

Where:

No. 6 Oil Price: Low posting 2.2% sulphur at New Haven Harbor per Journal of Commerce. \$/barrel.

Gas BTU: Average heat value of natural gas delivered BTU/CCF.

Oil BTU: 150,000 BTU/Gallon

A: Adjustment such that rate would be above volume

(Commodity + Dekatherm) cost of gas supplied. \$/CCF

NOTICE OF PRICE CHANGE

Notice of price change will be provided by telephone 12 hours in advance of change confirmed promptly in writing.

MINIMUM CHARGE

The minimum charge will be \$500 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 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

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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 rate of \$15.00 per mcf. However, if such failure to discontinue is due to the customer's dual fuel equipment being temporarily inoperable, the Department at its option, may bill the customer for gas subsequently used during the emergency at the rate of \$7.50 per mcf, provided service to other customers is not impaired and provided also that the customer proceeds as expeditiously as possible to repair his dual fuel equipment.

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.

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 either party giving to the other notice in writing 30 days prior to the expiration of any supply year. The basic period of interruptible supply under this schedule is from April 1st to November 1st.

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 \$6.00
First 40 ccf @ \$1.017 per ccf
All Over 40 ccf @ \$.767 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation - 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."

**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 \$10.00

First 200 ccf @ \$.917 per ccf

Excess 200 ccf @ \$.837 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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."

**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 \$20.00

First 600 ccf @ \$.867 per ccf

Excess 600 ccf @ \$.817 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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 January 13, 2003

Effective February 13, 2003

**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 \$60.00

First 10,000 ccf @ \$.837 per ccf

Excess 10,000 ccf @ \$.787 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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 January 13, 2003

Effective February 13, 2003

**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 \$90.00
First 10,000 ccf @ \$.65 per ccf
Excess 10,000 ccf @ \$.50 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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."

**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 \$9.00
First 200 ccf @ \$.825 per ccf
Excess 200 ccf @ \$.753 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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."

M.D.P.U. No. 124G
Cancels M.D.P.U. No. 116G

**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 \$18.00

First 10,000 ccf @ \$.780 per ccf

Excess 10,000 ccf @ \$.735 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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 January 13, 2003

Effective February 13, 2003

**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 \$54.00
First 10,000 ccf @ \$.753 per ccf
Excess 10,000 ccf @ \$.708 per ccf

Definition of the gas unit for purposes of this schedule is one hundred cubic feet - abbreviation 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."

FIRM GAS TRANSPORTATION RATE

AVAILABILITY

1. This tariff is applicable to all gas purchased by a customer from a third party producer or marketer. The gas must be delivered to the Department's distribution system via an interstate pipeline. Once the gas has been received by the Department, the Department will transport the gas to the Customer's premises on a firm basis. This service is only available to those customers, which execute a 12-month contract for the service provided herein. This service is applicable only to customers, which transport in excess of 40,000 ccf/year.

2. 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 the Department.

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

4. As a requirement of 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 Mueller Road Control Center via telephone lines or other approved methods. 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.

CHARACTER OF SERVICE

1. This service provides for the firm transportation of third party gas delivered to the Department on behalf of a customer. Under this service, the Department will deliver such gas as received by the third party to the customer's meter. This transportation service is firm only to the extent that the third party gas is delivered to the Department.

CONTRACT REQUIREMENTS

1. The customer shall execute a Service Agreement with the Department, which specifies the Maximum Daily Quantities of gas to be transported.

2. 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. The 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.

M.D.P.U. No. 126G
Cancels M.D.P.U. No. 113G

Rates and Charges for Firm Transportation Service

The Department will meter the customer's volumes at only one location, specifically at the gas service entrance. In the event that there are multiple service entrances at one location, all meters located at these entrances shall be considered as individual transportation customers and shall conform to the requirements of the tariff. A prompt payment discount of 10% will be allowed on the current gross bills provided the bill is paid in full within 15 days of the bill.

Customer Charge

The customer charge for Firm Transportation service shall be \$66.00 per month per meter.

Gas Supply Realignment Charge

The GSR Surcharge will be \$.216/ccf/day of MDQ. This surcharge will expire once the pipeline terminates the charge to the Department for the Gas Supply Realignment Charge.

Environmental Charge

This charge is for the costs incurred for the environmental cleanup of the manufactured gas plant located in the City of Holyoke as mandated by the Federal and State regulatory agencies. This charge will remain in place until the remediation process of this site has been completed or until such time that all expenses for the site have been recovered. This charge will change from year to year, depending upon the costs the Department has budgeted.

Energy Charge

This charge is for the costs incurred by the Department for transporting gas through its Distribution system.

3. The monthly rates and charges are as follows:

- Customer Charge: \$66.00
- Energy Charge: \$0.026/ccf
- Demand Charge: \$1.75/ccf/day of MDQ
- GSR Charge: \$.216/ccf/day of MDQ
- Environmental Charge: \$.067/ccf

For example, the charge for a customer electing an MDQ of 150 ccf/day and who uses 2,200 ccf in a month would be charged as follows:

- Customer Charge: \$66.00
- Energy Charge: \$57.20 (\$0.026/ccf*2,200 ccf)
- Demand Charge: \$262.50 (\$1.75/ccf/day*150 ccf/day)
- GSR Surcharge: \$32.40 (\$.216/ccf/day*150 ccf/day)
- Environmental Charge: \$147.40 (\$.067/ccf*2200 ccf)
- Total: \$565.50
- Less 10% Prompt Payment: \$56.55
- Total (Net): \$508.95

Filed January 13, 2003

CITY OF HOLYOKE

GAS & ELECTRIC DEPARTMENT

Effective February 13, 2003

This amount does not include the cost of gas received from a third party for the transportation customer.

Receipt and Delivery

4. The customer shall be responsible for securing delivery of Customer-owned gas to the Department's system at the Department's designated receipt point(s).

5. The receipt point shall be at a pipeline city gate station as specified in the contract and as signed by the Department.

6. The Department shall retain 3% of volumes delivered to the city gate for a lost and unaccounted adjustment and the Department shall only be obligated to deliver 97% of volumes received.

LOAD BALANCING

1. **Character of Service:** The Department agrees to provide customer with daily and monthly balancing services within the parameters outlined in paragraph 5. The Department agrees to use its gas resources, including but not limited to storage and standby service, to accept Customer's daily over deliveries and to provide Customer with gas to compensate for daily under deliveries.

2. **Customer Nominations and Gas Deliveries:** Customer shall be responsible for promptly advising the Department of its daily nomination of gas intended to be received by the Department on behalf of Customer. Customer shall be responsible for promptly providing the Department with pipeline daily confirmation reports reflecting the actual amount of gas delivered to the Department each day on behalf of Customer. Daily nominations must be received by 10:00 a.m. one day prior to the date that a change in the daily nomination is intended to become effective. If no third party gas arrives on behalf of the transportation customer, the customer will be off line and receive no gas, unless the customer has signed for the optional standby service. In the event that those customers who did not sign up for the standby service has its deliveries interrupted it will be notified to go off line. If the customer, after notification does not go off line, all volumes taken will be charged at \$2.50 per ccf. If the Department's ability to deliver gas to non-transportation customers is impaired by the transportation customer's actions, the Department reserves the right to shut off the gas supply at the main.

3. **Determination of Daily Imbalances:** Customer's daily imbalance shall be equal to the difference between the amount of gas nominated by the customer and confirmed by the Department each day, and customer's actual volumes, (adjusted for losses), as determined from daily meter readings at customer's facility. A daily **under delivery** shall be deemed to occur whenever daily deliveries on behalf of Customer are less than Customer's actual nomination, (adjusted for losses), as determined from daily meter readings at Customer's facility. A daily **over delivery** shall be deemed to occur whenever deliveries on behalf of Customer are more than Customer's actual nomination, (adjusted for losses), as determined from daily meter readings at Customer's facility.

4. Determination of Monthly Imbalances: Customer's monthly imbalances shall be equal to the difference between the total volume of gas nominated by the Customer each month and confirmed by the Department, and Customer's actual transportation volumes (adjusted for losses) as determined from meter readings at Customer's facility.

5. Charge for Imbalances: The Department's rate for daily imbalances is as follows:

A daily surcharge of \$.04836/cf will apply to all volumes in excess of 110% or less than 90% of their daily nominated quantity unless an Operational Flow Order (OFO) is in effect from the pipeline company. In this case, the balancing charge will be \$2.50/cf. These charges shall be in addition, not in lieu of, other transportation charges. Prompt Payment discount does not apply to imbalance charges.

The charge of imbalances does not apply when the customer's total deliveries are interrupted and not received at the gate station. As outlined under Customer Nominations and Gas Deliveries, if a customer, who does not have standby service, and does not go off line when notified of this condition, all volumes taken by customer will be charged at \$2.50 per ccf. If the Department's ability to deliver gas to non-transportation customers is impaired by the transportation customer's actions, the Department reserves the right to shut off the gas supply at the main.

Charge for Monthly Imbalances: customers must cash out their cumulative monthly imbalances. At the end of each calendar month the Department shall determine the cumulative monthly imbalances as determined in item 4 above. For cumulative monthly over deliveries, the Department will cash out such over deliveries based on the schedule.

<u>Monthly Excess Deliveries</u>	
0-10%	100% Index
10%-15%	115%
15%-20%	130%
20%-25%	140%
25%+	150%

The Customer will buy the volumes associated with the monthly over deliveries from the Department at the above index price depending upon the tier in which the over deliveries fall. For cumulative under deliveries, the Department will cash out such under deliveries based on the following schedule:

<u>Monthly Under Deliveries to the Customer's Meter</u>	
0-10%	100% Index
10%-15%	85%
15%-20%	70%
20%-25%	60%
25%+	50%

The customer will sell the volumes associated with the monthly under deliveries to the Department at the above index price depending upon the tier in which the under deliveries fall.

The index price shall be 28% of the Texas (Zone 0) index plus 72% of the Louisiana (Zone 1) index for spot prices published in Inside FERC's Gas Market Report for on-shore and offshore gas delivered into the Tennessee Gas Pipeline system. The Report is published by McGraw Hill, Inc., 1221 Avenue of the Americas, New York, New York, 10020. The Index will be computed as the simple average of the Louisiana (Zone 1) and Texas (Zone 0) prices.

STANDBY SALES SERVICE

1. This service is optional. This service is available for the winter and summer periods. For customers opting for this service, the standby sales is a firm service under which the Company agrees to provide firm gas sales service to the Customer, in the event their gas is not delivered to the city gate station or, in the event of force majeure from the pipeline. In the event of a force majeure from the pipeline, this service will be on a best efforts basis.

2. Customers electing such service must identify a portion, up to 100% of their MDQ as their Maximum Daily Standby Quantity (MDSQ) for each season, 10 working days prior to start of the season.

3. The standby rate is as follows: \$3.08/ccf/day

This rate is based upon the winter period MDSQ. The winter period is defined as the period commencing November 1 and ending April 30. The summer period is defined as the period commencing May 1 and ending October 31. The cost of purchased gas under the stand by service shall be defined as the total rolled in cost of natural gas delivered to the Department, including Liquefied Natural Gas, Propane Air, and storage gas for the month in which the service is used plus 15%.

The standby charge will be assessed on a monthly basis per six-month period by season. For example, a customer who has a winter MDSQ of 150 ccf/day will be charged each month (\$3.08/ccf/day*150 ccf/day) or \$462.00 plus the cost of gas as defined in paragraph 3 above. A prompt payment discount of 10% will be applied to this service, provided the bill is paid in full within 15 days of date of bill.

4. A penalty charge of \$1.66/ccf will be assessed on each volume of gas taken by the customer under Standby sales service, which exceeds their MDSQ. If the Department's ability to deliver gas to non-transportation customers is impaired by the transportation customer's actions, the Department reserves the right to shut off the gas supply at the main.

FORCE MAJEURE

1. If the Department is rendered unable to wholly or in part, carry out its obligation under this agreement because of force majeure, the obligations of the Department shall be suspended until

such time as the cause for suspension has been remedied using the existing practices of the gas distribution industry.

2. If the Customer is rendered unable to wholly or in part, carry out its obligations under these provisions because of force majeure, the obligations of the Customer, other than the obligation to make all payments hereunder, shall be suspended until such time as the cause for suspension has been remedied.

3. Definition Force Majeure: The term "force majeure" as employed herein shall include acts of God, strikes, lockouts, wars, riots, insurrections, epidemics, landslides, lightning, earthquakes, fires, storms, floods, washouts, arrests and restraints of rulers and people, interruptions by government or court orders, civil disturbances, explosions, and any other cause whether of the kind herein defined or otherwise, not within the control of the party claiming suspension and which, by the exercise of reasonable foresight, such party is unable to avoid and, by the exercise of due diligence, such party is unable to overcome.

Summary of Firm Gas Transportation Charges

Mandatory

Customer Charge \$66 per month

Energy Charge \$0.026/ccf

Demand Charge \$1.75/ccf/day of MDQ

GSR Charge \$0.216/ccf/day of MDQ

Environmental Charge \$.067/ccf

Volumes taken after supplier \$2.50/ccf

Interruption & no standby

Daily Load Balancing

Daily volumes in excess of 10% of daily nomination\$.04836/ccf
 Daily volumes less than 90% of daily nomination\$.04836/ccf

Daily volumes taken during OFO\$2.50/ccf

Monthly Over Deliveries to the Customer's Meter

0-10% 100% Index

10%-15% 115%

15%-20% 130%

20%-25% 140%

25%+ 150%

M.D.P.U. No. 126G
Cancels M.D.P.U. No. 113G

The customer will buy the volumes associated with the monthly over deliveries from the Department at the above index price depending upon the tier in which the over deliveries fall. For cumulative under deliveries, the Department will cash out such under deliveries based on the following schedule:

<u>Monthly Under Deliveries to the Customer's Meter</u>	
0-10%	100% Index
10%-15%	85%
15%-20%	70%
20%-25%	60%
25%+	50%

The customer will sell the volumes associated with the monthly under deliveries to the Department at the above index price depending upon the tier in which the under deliveries fall.

Standby Service
Demand \$3.08/ccf/day

Daily volumes taken over the customer's max daily standby quantity \$1.66/ccf/day

Filed January 13, 2003

CITY OF HOLYOKE

GAS & ELECTRIC DEPARTMENT

Effective February 13, 2003

**HYDROELECTRIC POWER
REDUCTION 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 downward due to the savings in power costs resulting from the purchase by the Department of hydroelectric power from the Niagara and St. Lawrence projects. The savings in cost per KWH will be determined by computing the savings in power costs including production, fuel and transmission costs and dividing by the concurrent KWH sold for residential purposes. 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.

DISCOUNT

No discount applies.

M.D.P.U. No. 140 E
Cancels M.D.P.U. No. 93 E

**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 above or below the base amount of \$.065 per KWH. When the total cost of fuel and purchased power 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.

DISCOUNT

No discount applies.

Filed November 19, 1985

Effective December 1, 1985

METERBASE SURGE PROTECTION

AVAILABILITY

This service is available to most residential, commercial, and industrial customers.

RATE-APPLIED MONTHLY

Meterbase Surge Protection \$3.75

DISCOUNT

No discount applies to meterbase surge protection devices.

TERMS AND CONDITIONS

The above monthly rate for the meterbase surge protection devices includes the cost of all material and labor.

A warranty registration card will be required to be filled out 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.

This contract shall be for one (1) year and then cancelable on thirty (30) days notice. If a device is used for less than one (1) year, the customer will pay \$35 removal fee. There shall be no removal charge if agreement is canceled after the initial one (1) year period.

Filed March 31, 1998

Effective March 1, 1998

SCHEDULE 3- ELECTRIC RATE (Effective date: July 1, 2003 through June 30, 2018)

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 a minimum monthly demand of 2000 KW and a minimum monthly consumption of 1,500,000 kWh per month.

RATE - APPLIED MONTHLY (2012 Rates)

Customer Charge	\$500.00	Billed Rate		Effective*	
Energy Charge:	0.04306	Consumption	\$/kWh	Effective*	\$/kWh
Transmission Charge:	0.00152	Demand	\$/kW	Effective*	Demand, \$/kWh
Distribution Fixed:	0.00406				
Distribution Variable:	0.00233				
	3.81				
	0.00664				
	0.00406				
	0.00492				
	0.06003				
	0.01697				
	0.00340				
	0.00897				

*For illustrative purposes only, assumes 82% load factor, 720 hours per month

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.

ANNUAL ENERGY CHARGE ADJUSTMENT

Each January 1, beginning in 2004, the Electric Energy Charge will be adjusted by multiplying the current year Energy Charge by the ratio of the immediately preceding year's WPU-054 as published by the Bureau of Labor Statistics divided by the second preceding year's WPU-054 index. Formula: New Electric Energy Charge=Effective Electric Energy Charge *(A/B), where A=immediately preceding year's WPU-054 and B=second preceding year's WPU-054.

ANNUAL DISTRIBUTION VARIABLE CHARGE ADJUSTMENT

Each January 1, beginning in 2004, the variable component of the distribution rate will be adjusted and a new Distribution Variable Charge will be calculated, by multiplying the current variable distribution charge by the ratio of the immediately preceding year CPI (All cities/all items, non seasonally adjusted) divided by the second preceding year CPI (All cities/all items, non seasonally adjusted). Formula: New Dist. Var. Charge=Effective Dist. Var. Charge *(A/B) where A=immediately preceding year's CPI and B=second preceding year's CPI.

TERMS AND CONDITIONS

Capacity and distribution components will be billed based on demand and consumption. Values for the components illustrated above reflect demand components for an 82% load factor.

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.

BASE RATE - APPLIED MONTHLY (2012 RATES)

Customer Charge	\$286.00	
Consumption	\$/kWh	Demand
Energy Charge	0.06701	3.26
Distribution	0.01110	3.68
Transmission	0.01406	
Renewable Energy	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.

BASE RATE ADJUSTMENTS

The base rates shown above will be adjusted annually, beginning in 2003 (then 2013 with base rates reset in 2012), per sections 1.5, 1.6, 1.7 and 1.8 of this Agreement.

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".

Filed July 1, 2003

Effective August 1, 2003

ECONOMIC DEVELOPMENT DISCOUNT

AVAILABILITY

Service under this schedule is available for 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%
Steam **	50%	50%	50%

**Steam discounts are applied to base rate and minimum charges only; not to fuel or gas surcharges.

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 "Residential Economic Development Terms & Agreements".

CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

Facilities Charge: Wires only, not live \$ 4.56/month
Wires only, energized \$ 13.23/month
Complete backup facilities [(a*730*b)+c]*1.08/month

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. Wires only 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.

WIRES CHARGE

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.

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.

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.

GENERATION CHARGE

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.

AVAILABILITY

STANDBY FACILITIES CLAUSE

Mass. DTE No. 172E
Cancels MDPU No. 158E

Mass. DTE No. 172E
Cancels MDPU No. 158E

Formula description of complete backup facilities charge:

a = Average No Load Losses in kW of Backup Transformer Size

730 = Average # Hrs / Month

b = \$ (0.065 + Purchase Power Adjustment Rate) * 0.9 per kWh

c = Capital cost component = \$(Transformer Cost + Pad + Ground Grid Cost) * 0.03

(depreciation per year) / 12 (#

Months in year)

1.08 = Miscellaneous cost multiplier

Note: a and c shall change from time to time reflective of actual costs & revised loss information.

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."

Filed August 15, 2003

Effective October 9, 2003

**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 \$4.46 per meter

All kWh at \$0.1044 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.

HYDROPOWER REDUCTION

There shall be a reduction in rate due to power purchased from the Niagara hydroelectric projects provided in the Department's Hydroelectric Power Reduction Clause in effect from time to time. This reduction in rate may be further increased based on Department's owned hydroelectric facilities, at the discretion of the Department 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."

OFF-STREET/CONTRACT LIGHTING

AVAILABILITY

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

RATE-APPLIED MONTHLY

High Pressure Sodium Lamps	Monthly kWh	
100 W Roadway or Area	51.48	\$ 8.50
150 W Roadway	72.72	\$11.25
250 W Roadway	114.48	\$15.50
250 W Flood	114.48	\$17.00
400 W Roadway	172.80	\$22.75
400 W Flood	172.80	\$23.75
1000 W Flood	424.80	\$51.50

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

Deluxe "White" High Pressure Sodium Lamps

Additional \$2.50 charge to the above listed rates.
Not Available in 1000 W size.

Pole Charge

Wood Pole \$ 3.75
Non-Wood Pole \$11.00

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.

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 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.

**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: \$4.46 per meter

First 200 Hrs. Times Demand

First	3,000 kWh at .1181 per kWh
Next	12,000 kWh at .1096 per kWh
Next	85,000 kWh at .1033 per kWh
All over	100,000 kWh at .0949 per kWh

Next 200 Hrs. Times Demand (100 KW Minimum) at .0878 per kWh
All over 400 Hrs. Times Demand (100 KW Minimum) at .0728 per 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 shall receive a discount of 10% from the rates shown above (prior to the prompt payment 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%.

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."

Filed December 23, 2010

Effective January 11, 2011

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, having a minimum monthly demand of 2,000 kW and a minimum monthly consumption of 1,000,000 kWh.

BASE RATE - APPLIED MONTHLY (2012 Rates)

Customer Charge \$550.00

	Consumption	Demand
	\$/kWh	\$/kW
Energy Charge	0.05610	11.78
Distribution	0.00613	4.23
Transmission	0.00459	8.23
Renewable Energy	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.

ANNUAL ENERGY CHARGE ADJUSTMENT

Each January, beginning in 2012, the Energy Charge will be adjusted by multiplying the current year Energy Charge by the ratio of the immediately preceding year's WPU-054 as published by the Bureau of Labor Statistics divided by the second preceding year's WPU-054 index. Formula: New Energy Charge=Effective Energy Charge *(A/B), where A=immediately preceding year's WPU-054 and B=second preceding year's WPU-054, applied to each of the consumption and demand respective components.

Historical WPU-054 (A/B) of Formula

Year	WPU-054 Calculation
2003	0.9877
2004	1.0314
2005	1.0156
2006	1.0475
2007	1.0786
2008	1.0352
2009	1.0508
2010	1.0239
2011	1.0261
2012	1.0233

CITY OF HOLYOKE
GAS & ELECTRIC DEPARTMENT

Filed June 13, 2011

Effective July 12, 2011

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

Regulations of the Holyoke Gas & Electric Department, City of Holyoke, Massachusetts". Adjustments are based on preliminary indices and/or costs as of release dates in January each year. Bills are due and payable 30 days after date of billing. Service is governed by the "Rules and

TERMS AND CONDITIONS

Each January, beginning in 2012, the Transmission charge will be adjusted by multiplying the current year Transmission charge by the ratio of the immediately preceding year's HG&E transmission expenses as reported under FERC account numbers 560 through 574 as of the release date of the WPU-054 and CPI indices noted above divided by the second preceding year's HG&E transmission expenses. Formula: $\text{New Transmission} = \text{Effective Transmission} * (\text{A/B})$, where A=immediately preceding year's HG&E Transmission Expenses and B=second preceding year's HG&E Transmission Expenses, applied to each of the consumption and demand respective components.

ANNUAL TRANSMISSION ADJUSTMENT

Year	CPI
2012	1.03157
2011	1.01640
2010	0.99644
2009	1.03840
2008	1.02848
2007	1.03226
2006	1.03388
2005	1.02663
2004	1.02279
2003	1.01581
	Calculation

Historical CPI (A/B) of Formula

Each January, beginning in 2012, the Distribution charge will be adjusted, by multiplying the current year Distribution charge by the ratio of the immediately preceding year's CPI (All cities/all items, non seasonally adjusted) as published by the Bureau of Labor Statistics divided by the second preceding year's CPI (All cities/all items, non seasonally adjusted). Formula: $\text{New Distribution} = \text{Effective Distribution} * (\text{A/B})$ where A=immediately preceding year's CPI and B=second preceding year's CPI, applied to each of the consumption and demand respective components.

ANNUAL DISTRIBUTION ADJUSTMENT

SMALL INDUSTRIAL SCHEDULE

AVAILABILITY

Service under this schedule is available to small industrial users who are primarily engaged in manufacturing subject to meeting the following two conditions:

- 1) monthly demand of less than 15 kW or monthly consumption of less than 40,000 kWh; and
- 2) monthly consumption of greater than 2,000 kWh.

RATE - APPLIED MONTHLY

Customer Charge \$20.00 per meter.

Energy Charge

First 3000 kWh at \$.10820/kWh
Next 12,000 kWh at \$.10009/kWh
All over 15,000 kWh at \$.08548/kWh

Renewable Energy Charge at \$.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."

Filed June 22, 2011

Effective August 10, 2011

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.

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.

M.D.P.U. No. 214 G
 Cancels M.D.P.U. No. 114 G
 M.D.P.U. No. 110 G
 M.D.P.U. No. 94 G

**STANDARD PURCHASED GAS
 ADJUSTMENT SCHEDULE**

AVAILABILITY

This service is applicable to the firm gas rate schedules of the Department.

PURCHASED GAS ADJUSTMENT

This schedule establishes the procedure to be followed, for adjusting, on a monthly basis, the Department's firm gas rate schedules in order to track, on a periodic basis, the changes in the cost of purchased gas.

The purchased gas adjustment charge may be increased or decreased, whenever the cost of purchased gas varies above or below the base cost of \$0.425-375 per CCF. The purchased gas adjustment is a function of the total pipeline and supplemental gas costs, less gas costs for the Department use and non-firm sales, less refunds from suppliers, plus or minus the cumulative total in the purchased gas account, all divided by the firm gas sales. The resultant purchased gas adjustment minus the embedded cost of \$0.425-375 per CCF, establishes the new purchased gas adjustment.

The monthly bill share be increased or decreased by multiplying the total volume billed each month by the purchased gas adjustment, calculated as follows:

$$PGA = \frac{Cg - Cd - Cr + Ca}{FS} - Cb \quad [\$/CCF]$$

Cg: Total pipeline and supplemental costs for all gases purchased.
 Cd: Cost of gas for Department use and non-firm sales.
 Cr: Refunds received from suppliers, both pipeline and supplemental.
 Ca: Cumulative total in purchased gas account.
 Cb: Base cost of gas (\$0.425-375 per CCF).

Filed October 1, 2008

Effective November 1, 2008

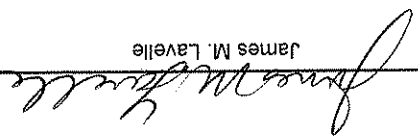
Section 56. The Mayor of a city, or the selectmen or municipal light board, if any, of a town acquiring a gas or electric plant shall appoint a manager of municipal lighting who shall, under the direction and control of the mayor, selectmen or municipal light board, if any, and subject to this chapter,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

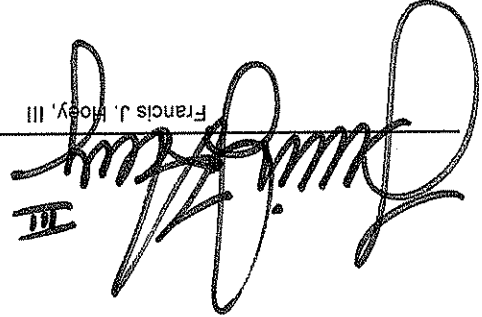
Section 57. At the beginning of each fiscal year, the manager of municipal lighting shall furnish to the mayor, selectmen or municipal light board, if any, an estimate of the income from sales of gas and electricity to private consumers during the ensuing fiscal year, and of the expense of the plant issued to pay for the plant, an amount for depreciation equal to three percent of the cost of the plant exclusive of land and any water power appurtenant thereto, or such smaller or larger amount as the department may approve, the requirements of the sinking fund or debt incurred for the plant, and the loss, if any, in the operation of the plant during the preceding year, and of the costs, as defined in section 58, of the gas and electricity to be used by the town as above defined and estimated. By cost of the plant is intended the total amount expended on the plant to the beginning of the fiscal year for the purpose of establishing, purchasing, extending or enlarging the same. By loss in operation is intended the difference between the actual income from private consumers plus the appropriations for maintenance for the preceding fiscal year and the actual expense of the plant, reckoned as above, for that year in case such expenses exceeded the amount of such income and appropriation. The income from sales and the money appropriated as aforesaid shall be used to pay the annual expense of the plant defined as above, for the fiscal year, except that no part of the sum therein included for depreciation shall be used for any other purpose than renewals in excess of ordinary repairs, extensions, reconstructions, enlargements and additions. The surplus, if any, of said annual allowances for depreciation after making the above payments shall be kept as a separate fund and used for renewals other than ordinary repairs, extensions, reconstructions, enlargements and additions in succeeding years; and no debt shall be incurred under section forty for extension, reconstruction or enlargements of the plant in excess of the amount needed therefore in addition to the amount then on hand in said depreciation fund. Said depreciation fund shall be kept and managed by the town treasurer as a separate fund, subject to appropriation by the city council or selectmen or municipal light board, if any for the foregoing purpose. So much of said fund as the department may from time to time approve may also be used to pay notes, bonds or certificates of indebtedness issued to pay for the cost of reconstruction or renewals in excess of ordinary repairs, when such notes, bonds or certificates of indebtedness become due. All appropriations for the plant shall be either for the annual expenses defined, as above, or for extensions, reconstruction, enlargements, or additions; and no appropriation shall be used for any purpose other than that stated in the vote making the same. No bonds, notes or certificates of indebtedness shall be issued by a town for the annual expenses as defined in this section.

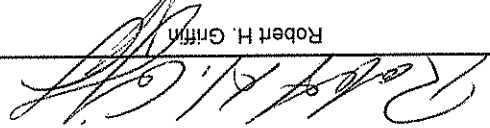
Section 53. A town manufacturing or selling gas or electricity for lighting shall keep records of its work and doings at its manufacturing station, and in respect to its distributing plant, as may be required by the department. It shall install and maintain apparatus, satisfactory to the department, for the measurement and recording of the output of gas and electricity, and shall sell the same by meter to private consumers when required by the department, and, if required by it, shall measure all gas or electricity consumed by the town. The books, accounts and returns shall be made and kept in a form prescribed by the department, and the accounts shall be closed annually on the last day of the fiscal year of such town, and a balance sheet of that date shall be taken therefrom and included in the return to the department. The mayor, selectmen or municipal light board and manager shall, at any time, on request, submit said books and accounts to the inspection of the department and furnish any statement or information required by it relative to the condition, management and operation of said business. The department shall, in its annual report, describe the operation of the several municipal plants with such detail as may be necessary to disclose the financial condition and results of each plant; and shall state what towns, if any, operating a plant have failed to comply with this chapter, and what towns, if any, are selling gas and electricity with the approval of the department at less than cost. The mayor, or selectmen, or municipal light board, if any, shall annually, on or before such date as the department fixes, make a return to the department, for the preceding fiscal year, signed and sworn to by the mayor, or by a majority of the selectmen or municipal light board, if any, and by the manager, stating the financial condition of said business, the amount of authorized and existing indebtedness, a statement of income and expenses in such detail as the department may require, and a list of its salaried officers and the salary paid to each. The mayor, the selectmen or the municipal light board may direct any additional returns to be made at such time and in such detail as he or they may order. Any officer of a town manufacturing or selling gas or electricity for lighting who being required by this section to make an annual return to the department neglects to make such annual return shall for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. Any such officer who unreasonably refuses or neglects to make such a return shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the officer to amend it within fifteen days. Any such officer who neglects to amend said return within the time specified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by and information in equity brought in the supreme judicial court by the attorney general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

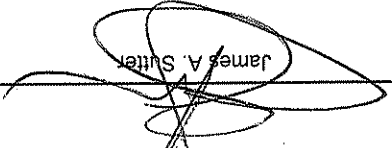
Section 69. The supreme judicial court for the county where the town is situated shall have jurisdiction on petition of the department or of twenty taxable inhabitants of the town to compel the fixing of prices by the town in compliance with sections fifty-seven and fifty-eight, to prevent any town from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

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY


James M. Lavelle
Manager
Holyoke Gas and Electric
Department


Francis J. Hoey, III
Commissioner
Holyoke Gas and Electric
Department


Robert H. Griffin
Commissioner
Holyoke Gas and Electric
Department


James A. Sutter
Commissioner
Holyoke Gas and Electric
Department