

# THE COMMONWEALTH OF MASSACHUSETTS

RETURN

OF THE

TOWN OF

MIDDLEBOROUGH

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

**2012**

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

Luis Chukiu

Official title:

Business Manager

Office address:

32 South Main Street  
Middleborough, MA 02346

**The Commonwealth of Massachusetts**

**Department of Public Utilities**

**Leverett Saltonstall Building, Government Center**

**100 Cambridge Street, Boston 02202**

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

This form of the Annual Return should be filled out and one original and a duplicate copy (which may be a photocopy) should be returned to the Office of the Department of Public Utilities, 1 South Station, Boston, Massachusetts, 02110-2212 by March 31st of the year following the calendar year of the report in accordance with the statutes of the Commonwealth and the regulations of the Department made in pursuance thereof. statutes of the Commonwealth and the regulations of the Department made in pursuance thereof.

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

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

Special attention is called to the legislation in regard to the Return printed on the last page.

**Middleborough Gas & Electric**

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## Middleborough Gas &amp; Electric

## GENERAL INFORMATION

1. Name of town (or city) making this report.  
Middleboro, Massachusetts
2. \* If the town (or city) has acquired a plant,  
Kind of plant, whether gas or electric: Gas and Electric  
\* Owner from whom purchased, if so acquired: Middleborough Gas & Electric  
\* Date of votes to acquire a plant in accordance Dec 15, 1893 and  
with the provisions of Chapter 164 of the General Laws: Dec 28, 1893  
\* Record of votes: First vote: Yes, 252  
\* Record of votes: First vote: No, 97  
\* Record of votes: Second vote: Yes, 601  
\* Record of votes: Second vote: No, 116  
\* Date when town (or city) began to sell gas and electricity Approximately 1895
3. Name and address of manager of municipal lighting:  
Jacqueline Crowley  
32 South Main Street  
Middleboro, MA 02346
4. Name and address of mayor or selectmen:
- 1) Stephen J. McKinnon - Middleborough, MA
  - 2) Alfred P. Rullo, Jr. - Middleborough, MA
  - 3) Steven P. Spataro - Middleborough, MA
  - 4) Allin J. Frawley - Middleborough, MA
  - 5) Ben Wilson Burns Quelle - Middleborough, MA
5. Name and address of town (or city) treasurer:  
Judy MacDonald - 20 Center St., Middleboro, MA
6. Name and address of town (or city) clerk:  
Allison Ferreira - 20 Center St., Middleboro, MA
7. Names and addresses of members of municipal light board:
- 1) Glenn Montapert - Middleborough, MA
  - 2) Thomas E. Murphy - Middleborough, MA
  - 3) Daniel Farley - Middleborough, MA
  - 4) Joseph Ranahan - Middleborough, MA
  - 5) John F. Healey - Middleborough, MA
8. Total valuation of estates in town (or city)  
according to last State valuation: \$2,335,351,162
9. Tax rate for all purposes during the year:
- |             |                  |
|-------------|------------------|
| Residential | \$13.05 per 1000 |
| Commercial  | \$13.86 per 1000 |
10. Amount of manager's salary: \$155,000
11. Amount of manager's bond: None
12. Amount of salary paid to members of  
municipal light board (each): None

# Middleborough Gas & Electric

## SCHEDULE OF ESTIMATE

\*\*\*\*\*

**INCOME FROM PRIVATE CONSUMERS:**

From sales of gas .....	\$7,263,803
From sales of electricity .....	29,692,861

TOTAL: \$36,956,664

**EXPENSES:**

For operation, maintenance and repairs .....	33,636,430
For interest on bonds, notes or scrip .....	0
For depreciation fund ( 5 %)	2,597,450
For sinking fund requirements .....	
For note payments .....	
For bond payments .....	

For loss in preceding year .....

TOTAL: \$36,233,880

**COST:**

Of gas to be used for municipal buildings .....	321,445
Of gas to be used for street lights .....	251
Of electricity to be used for municipal bldgs..	368,575
Of electricity to be used for street lights ...	110,916
Total of the above items to be included in the tax levy .....	
New construction to be included in the tax levy	

Total amounts to be included in the tax levy .. \$801,186

### CUSTOMERS

**GAS:**

City or Town	Number of Customers Meters, Dec. 31
Middleboro	5,187
TOTAL:	5,187

**ELECTRICITY:**

City or Town	Number of Customers Meters, Dec. 31
Middleboro	10,501
Lakeville	4,532
TOTAL:	15,033

**Middleborough Gas & Electric**

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

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

**FOR CONSTRUCTION OR PURCHASE OF PLANT:**

- \*At meeting 19 , to be paid from
- \*At meeting 19 , to be paid from

TOTAL:                      \$0

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

- 1. Street lights ..... \$111,167
- 2. Municipal buildings ..... \$690,020

TOTAL:                      \$801,186

**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:**

**Ongoing upgrade to electric distribution system and equipment**

**In gas property:**

**Ongoing upgrade to gas distribution system and equipment**

**Middleborough Gas & Electric**

**BONDS**

(Issued on Account of Gas or Electric Lighting)

Line No.	When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding at end of Year
				Amounts	When Payable	Rate	When Payable	
1								
2								
3	April, 1987	March, 1988	\$1,250,000	Varies	Semi Annually	7.10	February August	\$0 Fully paid in 2000
4								
5								
6								
7	June, 1988	September 1988	\$1,500,000	Varies	Semi Annually	5.07	February August	\$0 Fully paid in 2000
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		<b>Total</b>	<b>\$2,750,000</b>				<b>Total</b>	<b>\$0</b>

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.  
 Date of meeting and whether regular or special. List original issue of bonds and notes including those that have been retired.

Middleborough Gas & Electric

TOWN NOTES

(Issued on Account of Gas or Electric Lighting)

Line No	When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding at end of Year
				Amounts	When Payable	Rate	When Payable	
1								
2								
3								
4		December 1999	\$709,451	Varies	Monthly	4.06	Monthly	\$ -
5								Fully paid in 2003
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
26								
27								
28								
29								
30								
31								
32								
33		<b>Total</b>	\$709,451				<b>Total</b>	\$

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.  
 Date of meeting and whether regular or special. List original issue of bonds and notes including those that have been retired.



## Middleborough Gas &amp; Electric

## TOTAL COST OF PLANT -- ELECTRIC

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>1. INTANGIBLE PLANT</b>						\$0
2							\$0
3		\$0	\$0	\$0	\$0	\$0	\$0
4	<b>2. PRODUCTION PLANT</b>						
5	<b>A. Steam Plant Production</b>						
6	310 Land & Land Rights	\$0					\$0
7	311 Structures and Improvements	0					0
8	312 Boiler Plant Equipment	0					0
9	313 Engines & Engine Driven Generators	0	None				0
10	314 Turbogenerator Units	0					0
11	315 Accessory Electric Equipment	0					0
12	316 Misc. Power Plant Equipment	0					0
13							0
14	<b>Total Steam Production Plant</b>	\$0	\$0	\$0	\$0	\$0	\$0
15	<b>B. Nuclear Production Plant</b>						
16	320 Land & Land Rights	\$0					\$0
17	321 Structures & Improvements	0					0
18	322 Reactor Plant Equipment	0	None				0
19	323 Turbogenerator Units	0					0
20	324 Accessory Electric Equipment	0					0
21	325 Misc. Power Plant Equipment	0					0
22	<b>Total Nuclear Production Plant</b>	\$0	\$0	\$0	\$0	\$0	\$0

## TOTAL COST OF PLANT -- ELECTRIC - Continued

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>C. Hydraulic Production Plant</b>						
2	330 Land & Land Rights	\$0					\$0
3	331 Structures & Improvements	0					0
4	332 Reservoirs, Dams & Waterways	0					0
5	333 Water Wheels, Turbines & Gene	0	None				0
6	334 Accessory Electric Equipment	0					0
7	335 Misc. Power Plant Equipment	0					0
8	336 Roads, Railroads & Bridges	0					0
9	<b>Total Hydraulic Production Plant</b>	\$0	\$0	\$0	\$0	\$0	\$0
10	<b>D. Other Production Plant</b>						
11	340 Land & Land Rights	\$0					\$0
12	341 Structures & Improvements	0					0
13	342 Fuel Holders, Producers & Acc	0					0
14	343 Prime Movers	0	None				0
15	344 Generators	0					0
16	345 Accessory Electric Equipment	0					0
17	346 Misc. Power Plant Equipment	0					0
18	<b>Total Other Production Plant</b>	\$0	\$0	\$0	\$0	\$0	\$0
19	<b>TOTAL PRODUCTION PLANT</b>	\$0	\$0	\$0	\$0	\$0	\$0
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land & Land Rights	\$162,052					\$162,052
22	351 Clearing Land & Rights of Way	108,562					108,562
23	352 Structures & Improvements	0					0
24	353 Station Equipment	270,446			1,428,363		1,698,809
25	354 Towers & Fixtures	0					0
26	355 Poles & Fixtures	1,671,471					1,671,471
27	356 Overhead Conductors & Device	567,989					567,989
28	357 Underground Conduit	0					0
29	358 Underground Conductors & De	61,970					61,970
30	359 Roads & Trails	697					697
31	<b>Total Transmission Plant</b>	\$2,843,187	\$0	\$0	\$1,428,363	\$0	\$4,271,550

## Middleborough Gas &amp; Electric

## TOTAL COST OF PLANT -- ELECTRIC - Continued

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land & Land Rights	\$32,291					\$32,291
3	361 Structures & Improvements	123,102					123,102
4	362 Station Equipment	1,203,781					1,203,781
5	363 Storage Battery Equipment	7,406					7,406
6	364 Poles, Towers & Fixtures	3,221,404	215,705	(48,915)			3,388,195
7	365 Overhead Conductors & Device	9,326,763	796,181	(41,800)	(25,275)		10,055,869
8	366 Underground Conduit	258,701	1,941				260,641
9	367 Underground Conductors & De	2,104,622	53,808				2,158,431
10	368 Line Transformers	10,033,957	196,578	(21,200)	(1,236,695)		8,972,639
11	369 Services	1,611,861	41,060				1,652,922
12	370 Meters	2,023,468	224,419	(38,770)			2,209,117
13	371 Installations on Customer's Pre	0					0
14	372 Leased Property on Customer's	0					0
15	373 Street Lighting & Signal System	524,567	9,026				533,593
16	<b>Total Distribution Plant</b>	<b>\$30,471,923</b>	<b>\$1,538,719</b>	<b>(\$150,685)</b>	<b>(\$1,261,970)</b>	<b>\$0</b>	<b>\$30,597,987</b>
17	<b>4. GENERAL PLANT</b>						
18	389 Land & Land Rights	\$0					\$0
19	390 Structures & Improvements	\$1,262,059	\$108,428				\$1,370,487
20	391 Office Furniture & Equipment	1,692,373	80,503	(18,600)			1,754,275
21	392 Transportation Equipment	1,446,038	199,926				1,645,963
22	393 Stores Equipment	19,164					19,164
23	394 Tools, Shop & Garage Equipme	337,206	30,164				367,370
24	395 Laboratory Equipment	93,859					93,859
25	396 Power Operated Equipment	194,346	248				194,594
26	397 Communication Equipment	744,656	142,537		(166,392)		720,801
27	398 Misc. Equipment	97,577					97,577
28	399 Other Tangible Property	389					389
29	<b>Total General Plant</b>	<b>\$5,887,667</b>	<b>\$561,805</b>	<b>(\$18,600)</b>	<b>(\$166,392)</b>	<b>\$0</b>	<b>\$6,264,480</b>
30	<b>Total Electric Plant In Service</b>	<b>\$39,202,777</b>	<b>\$2,100,524</b>	<b>(\$169,285)</b>	<b>\$1</b>	<b>\$0</b>	<b>\$41,134,017</b>
31	<b>Total Cost of Electric Plant</b>						<b>\$41,134,017</b>
32	<b>Less Cost of Land, Land Rights, Right of Way</b>						<b>(\$303,602)</b>
33	<b>Total Cost upon which Depreciation is based</b>						<b>\$40,830,415</b>
34							

## TOTAL COST OF PLANT -- GAS

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	adjustment (e)	transfer (f)	Balance End of Year (g)
1	<b>1. INTANGIBLE PLANT</b>						
2	301 Organization	\$0					\$0
3	303 Miscellaneous Intangible Plant	0					0
4	<b>Total Intangible Plant</b>	\$0	\$0	\$0	\$0	\$0	\$0
5	<b>2. PRODUCTION PLANT</b>						
6	<b>A. Manufactured Gas Production Plant</b>						
7	304 Land & Land Rights	\$ 4,970					\$4,970
8	305 Structures and Improvements	37,753					37,753
9	306 Boiler Plant Equipment	-					-
10	307 Other Power Equipment	21,957					21,957
11	310 Water Gas Generating Equipment	-					-
12	311 Liquefied Petroleum Gas Equipment	140,977					140,977
13	312 Oil Gas Generating Equipment	-					-
14	313 Generating Equipment	-					-
15	<b>B. Other Processes</b>	-					-
16	315 Catalytic Cracking Equipment	-					-
17	316 Other Reforming Equipment	-					-
18	317 Purification Equipment	1,679					1,679
19	318 Residual Refining Equipment	-					-
20	319 Gas Mixing Equipment	1,012					1,012
21	320 Other Equipment	41,965					41,965
22	<b>Total Manufactured Gas Production Plant</b>	\$250,314	\$0	\$0	\$0	\$0	\$250,314
23	<b>2. STORAGE PLANT</b>						
24	360 Land & Land Rights	\$0					\$0
25	361 Structures & Improvements	5,683					5,683
26	362 Gas Holders	0					0
27	363 Other Equipment	32,607					32,607
28	<b>Total Storage Plant</b>	\$38,290	\$0	\$0	\$0	\$0	\$38,290

## Middleborough Gas &amp; Electric

For the year ended December 31, 2012

## TOTAL COST OF PLANT -- GAS - Continued

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustment (e)	Transfer (f)	Balance End of Year (g)	
1	<b>4. TRANSMISSION &amp; DISTRIBUTION PLANT</b>							
2	365.2 Land & Land Rights	\$5,895					\$5,895	
3	365.2 Right of Way	0					0	
4	366 Structures & Improvements	30,848					30,848	
5	376 Gas Mains	5,340,941	186,888	(27,197)			5,500,633	
6	368 Compressor Station Equipment	0					0	
7	369 Measuring and Regulating Station Equipment	77,324					77,324	
8	Station Equipment	0					0	
9	380 Services	2,640,205	215,867	(10,950)			2,845,122	
10	381 Meters	1,171,716	119,717	(10,918)			1,280,515	
11	382 Meter Installations	64,470					64,470	
12	385 House Regulators	27,631		(4,080)			23,551	
13	386 Other Property on Customers Prem	18,709					18,709	
14	387 Other Equipment	13,657					13,657	
15	Total Distribution Plant	\$9,391,397	\$522,472	(\$53,145)	\$0	\$0	\$9,860,724	
16	<b>4. GENERAL PLANT</b>							
17	389 Land & Land Rights	\$0					\$0	
18	390 Structures & Improvements	1,584,235	36,000				1,620,235	
19	391 Office Furniture & Equipment	428,253	14,076	(5,500)			436,829	
20	392 Transportation Equipment	393,858					393,858	
21	393 Stores Equipment	3,543					3,543	
22	394 Tools, Shop & Garage Equipment	274,792	1,316				276,108	
23	395 Laboratory Equipment	307,366	5,844				313,210	
24	396 Power Operated Equipment	253,037					253,037	
25	397 Communication Equipment	51,119					51,119	
26	398 Miscellaneous Equipment	84,392	30,975				115,367	
27	399 Other Tangible Property	86					86	
28	Total General Plant	\$3,380,682	\$88,210	(\$5,500)	\$0	\$0	\$3,463,392	
29	Total Gas Plant In Service	\$13,060,683	\$610,682	(\$58,645)	\$0	\$0	\$13,612,720	
30	Total Cost of Gas Plant							\$13,612,720
31								
32	Less Cost of Land, Land Rights, Right of Way							(\$10,865)
33	Total Cost upon which Depreciation is based							\$13,601,855

## Middleborough Gas &amp; Electric

## COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant, Net - Electric (P.17)	\$13,041,534	\$13,187,915	\$146,381
3	101 Utility Plant, Net - gas (P.20)	3,398,697	3,356,888	(41,809)
4				\$0
5	Total Utility Plant, Net	16,440,231	16,544,803	104,572
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds			
13	126 Depreciation Fund (P. 14)	4,010,290	4,215,750	205,460
14	128 Other Special Funds	8,397,402	8,398,122	720
15	Total Funds	12,407,693	12,613,872	206,179
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14)	20,619,255	22,100,629	1,481,373
18	132 Special Deposits (Pension/OPEB)	8,906,597	10,464,082	1,557,485
19	135 Working Funds	-	-	-
20	141 Notes Receivable	-	-	-
21	142 Customer Accounts Receivable	3,365,217	2,785,990	(579,228)
22	143 Other Accounts Receivable	-	-	-
	146 Receivables from Municipality	-	-	-
24	151 Materials and Supplies (P.14)	1,918,398	1,823,906	(94,492)
25	163 Stores Expense	-	-	-
26	165 Prepayments	3,438,222	3,468,923	30,701
27	174 Miscellaneous Current Assets			
28	Total Current and Accrued Assets	38,247,689	40,643,529	2,395,840
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount	-	-	-
31	182 Extraordinary Property Losses			
32	185 Other Deferred Debits			
33	Total Deferred Debits	-	-	-
34				
35	Total Assets and Other Debits	\$ 67,095,613	\$ 69,802,205	\$ 2,706,591

**COMPARATIVE BALANCE SHEET Liabilities and Other Credits**

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction	\$ -	\$ -	\$ -
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves	-	-	-
5	206 Restricted for Other Employment Benefits Obligation	2,828,476	3,528,476	700,000
6	207 Appropriations for Construction Repayments	-	-	-
7	208 Unappropriated Earned Surplus (P.12)	35,561,454	37,436,352	1,874,898
8	Total Surplus	38,389,930	40,964,827	2,574,898
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P.6)	-	-	-
11	231 Notes Payable (P.7)	-	-	-
12	Total Bonds and Notes	-	-	-
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable	2,014,481	2,117,452	102,971
15	234 Payables to Municipality	-	-	-
16	235 Customer Deposits	-	-	-
17	236 Taxes Accrued	-	-	-
18	237 Interest Accrued	-	-	-
19	242 Miscellaneous Current and Accrued Liabilities	297,633	298,294	661
20	Total Current and Accrued Liabilities	2,312,114	2,415,746	103,632
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt	-	-	-
23	252 Customer Advances for Construction	-	-	-
24	253 Other Deferred Credits	18,761,725	17,784,636	(977,089)
25	Total Deferred Credits	18,761,725	17,784,636	(977,089)
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectible Accounts	-	-	-
28	261 Property Insurance Reserve	-	-	-
29	262 Injuries and Damages Reserves	-	-	-
30	263 Pensions and Benefits	7,631,844	8,636,995	1,005,151
31	265 Miscellaneous Operating Reserves	-	-	-
32	Total Reserves	7,631,844	8,636,995	1,005,151
33	<b>CONTRIBUTIONS IN AID OF</b>			
34	<b>CONSTRUCTION</b>			
35	271 Contributions in Aid of Construction	-	-	-
36				
37	Total Liabilities and Other Credits	\$ 67,095,613	\$ 69,802,205	\$ 2,706,591

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

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P.37 and 43)	\$ 38,231,598	\$ (7,704,013)
3	Operating Expenses:		
4	401 Operation Expense (P. 42 & 47)	31,341,738	(7,953,250)
5	402 Maintenance Expense (P. 42 and 47)	2,294,692	(90,244)
6	403 Depreciation Expense	2,597,450	49,875
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	36,233,880	(7,993,618)
11	Operating Income	1,997,719	289,605
12	414 Other Utility Operating Income (P. 50)	30,741	(1,073)
13			
14	Total Operating Income	2,028,459	288,532
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)	163,876	(189,568)
17	419 Interest Income	107,102	(22,231)
18	421 Miscellaneous Nonoperating Income (Loss)	128,394	93,240
19	Total Other Income	399,371	(118,559)
20	Total Income	2,427,831	169,972
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization		
23	426 Other Income (Deductions)	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	2,427,831	169,972
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	0	0
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt-Credit	0	0
30	431 Other Interest Expense	0	0
31	432 Interest Charged to Construction - Credit	0	0
32	Total Interest Charges	0	0
33	<b>NET INCOME</b>	<b>\$2,427,831</b>	<b>\$ 169,972</b>



## Middleboro Gas &amp; Electric

## EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		\$ 38,389,930
35			
36			
37	433 Balance Transferred from Income		2,427,831
38	434 Miscellaneous Credits to Surplus (P. 21)		
39	435 Miscellaneous Debits to Surplus (P. 21)	566,948	
40	436 Appropriations of Surplus (P. 21) for OPEB		714,015
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)		40,964,827
43			
44			
	<b>Totals</b>	<b>\$ 566,948</b>	<b>\$ 2,427,831</b>

## Middleboro Gas &amp; Electric

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Electric		Gas	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>				
2	400 Operating Revenues (P.37 and 43)	\$ 30,572,485	\$ (5,148,558)	\$ 7,659,113	\$ (2,555,456)
3	Operating Expenses:				
4	401 Operation Expense (P. 42 & 47)	25,204,803	(5,316,965)	6,136,936	(2,636,284)
5	402 Maintenance Expense (P. 42 and 47)	1,802,562	(122,734)	492,130	32,490
6	403 Depreciation Expense	1,944,959	29,975	652,491	19,900
7	407 Amortization of Property Losses	0	0		0
8					
9	408 Taxes (P. 49)	0	0	0	0
10	Total Operating Expenses	28,952,323	(5,409,725)	7,281,556	(2,583,894)
11	<b>Operating Income</b>	1,620,162	261,167	377,557	28,438
12	414 Other Utility Operating Income (P. 50)	27,665	(7)	3,076	(1,067)
13					
14	<b>Total Operating Income</b>	1,647,827	261,161	380,633	27,371
15	<b>OTHER INCOME</b>				
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)	0	(184,278)	163,876	(5,290)
17	419 Interest Income	92,628	(21,593)	14,474	(638)
18	421 Miscellaneous Nonoperating Income (Loss)	128,020	92,961	374	279
19	<b>Total Other Income</b>	220,648	(112,910)	178,724	(5,649)
20	<b>Total Income</b>	1,868,474	148,250	559,356	21,722
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>				
22	425 Miscellaneous, net	0	0	0	0
23	426 Other Income (Deductions)	0	0		0
24	<b>Total Income Deductions</b>	0	0	0	0
25	<b>Income Before Interest Charges</b>	1,868,474	148,250	559,356	21,722
26	<b>INTEREST CHARGES</b>				
27	427 Interest on Bonds and Notes		0		0
28	428 Amortization of Debt Discount and Expense		0		0
29	429 Amortization of Premium on Debt-Credit		0		0
30	431 Other Interest Expense		0	0	0
31	432 Interest Charged to Construction - Credit		0		0
32	<b>Total Interest Charges</b>	0	0	0	0
33	<b>NET INCOME</b>	\$ 1,868,474	\$ 148,250	\$ 559,356	\$ 21,722

## Middleborough Gas &amp; Electric

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

Line No	Items (a)	Amount (b)
1	Operation Fund	\$ 22,100,629
2	Pension Sinking Fund	6,921,591
3	Pension OPEB	3,542,491
4	Construction Fund	0
5		
6		
7	Total	32,564,710

MATERIALS & SUPPLIES (Accounts 151 - 159, 163)  
Summary Per Balance Sheet

Line No	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		9,205
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials & Operating Supplies (Account 154)	1,429,453	334,602
17	Merchandise (Account 155)		50,646
18	Other Materials & Supplies (Account 156)		
19	Nuclear Fuel Assemblies & Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies & Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet	1,429,453	394,453

## DEPRECIATION FUND ACCOUNT (Account 126)

Line No	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of account at beginning of year	4,010,290
26	Income during year from balance on deposit	28,469
27	Amount transferred from income	
28	Contribution In Aid of Construction	
29		
30	Depreciation Allowance	2,597,450
31	Total	6,636,210
32		
33	<b>CREDITS</b>	
35	Amount expended for construction purposes (Sec. 57, C. 164 of G.L.)	2,420,460
36	Amounts expended for renewals, viz:	
37		
38	Capital Improvements	
39	Principal Payments	
40		
41		
42		
43		
44	Balance on hand at end of year	4,215,750
45	Total	\$ 6,636,210
46		

## Middleborough Gas &amp; Electric

UTILITY PLANT - ELECTRIC							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						\$0
2							\$0
3		\$0	\$0	\$0	\$0	\$0	\$0
4							
5	2. PRODUCTION PLANT						
6	A. Steam Plant						
7	310 Land & Land Rights						\$0
8	311 Structures & Improvements						\$0
9	312 Boiler Plant Equipment						\$0
10	313 Engines & Engine Driven Gener.	None	None				\$0
11	314 Turbogenerator Units						\$0
12	315 Accessory Electric Equipment						\$0
13	316 Misc. Power Plant Equipment						\$0
14							
15	Total Steam Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
16	B. Nuclear Production Plant						
17	320 Land & Land Rights						\$0
18	321 Structures & Improvements						\$0
19	322 Reactor Plant Equipment		None				\$0
20	323 Turbogenerator Units						\$0
21	324 Accessory Electric Equipment						\$0
22	325 Misc. Power Plant Equipment						\$0
23	Total Nuclear Production Plant	\$0	\$0	\$0	\$0	\$0	\$0

## Middleborough Gas &amp; Electric

## UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land & Land Rights						\$0
3	331 Structures & Improvements						\$0
4	332 Reservoirs, Dams & Waterways						\$0
5	333 Water Wheels, Turbines & Generators	None	None				\$0
6	334 Accessory Electric Equipment						\$0
7	335 Misc. Power Plant Equipment						\$0
8	336 Roads, Railroads & Bridges						\$0
9	Total Hydraulic Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
10	D. Other Production Plant						
11	340 Land & Land Rights						\$0
12	341 Structures & Improvements						\$0
13	342 Fuel Holders, Producers & Accessories						\$0
14	343 Prime Movers		None				\$0
15	344 Generators						\$0
16	345 Accessory Electric Equipment						\$0
17	346 Misc. Power Plant Equipment						\$0
18	Total Other Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
19	Total Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
20	3. TRANSMISSION PLANT						
21	350 Land & Land Rights	\$162,052					\$162,052
22	351 Clearing Land & Rights of Way	108,562					108,562
23	352 Structures & Improvements	0					0
24	353 Station Equipment	11,262		(1,729)		903,832	913,365
25	354 Towers & Fixtures	0					0
26	355 Poles & Fixtures	48,592		(7,461)			41,131
27	356 Overhead Conductors & Devices	34,642		(5,319)			29,323
28	357 Underground Conduit	0					0
29	358 Underground Conductors & Devices	0					0
30	359 Roads & Trails	697					697
31	Total Transmission Plant	\$365,806	\$0	(\$14,509)	\$0	\$903,832	\$1,255,129

UTILITY PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land & Land Rights	\$32,291					\$32,291
3	361 Structures & Improvements	0					0
4	362 Station Equipment	0					0
5	363 Storage Battery Equipment	789	0	(121)		-	668
6	364 Poles, Towers & Fixtures	733,023	215,705	(112,551)		-	836,177
7	365 Overhead Conductors & Devices	3,543,309	796,181	(544,054)	9,515	(25,275)	3,779,676
8	366 Underground Conduit	31,558	1,941	(4,846)		-	28,653
9	367 Underground Conductors & Dev	683,311	53,808	(104,918)		-	632,201
10	368 Line Transformers	4,088,064	196,578	(627,698)	442,979	(1,236,695)	2,863,228
11	369 Services	306,580	41,060	(47,074)		-	300,567
12	370 Meters	1,117,500	224,419	(171,585)		-	1,170,333
13	371 Installations on Customers Prem	0	0			-	0
14	372 Leased Property on Cust's Prem	0	0			-	0
15	373 Street Lighting & Signal Systems	77,239	9,026	(11,860)		-	74,406
16	Total Distribution Plant	\$10,613,664	\$1,538,719	(\$1,824,707)	\$452,495	(\$1,261,970)	\$9,718,200
17	5. GENERAL PLANT						
18	389 Land & Land Rights	\$0	-			-	\$0
19	390 Structures & Improvements	391,816	108,428	(60,161)		-	440,083
20	391 Office Furniture & Equipment	347,788	80,503	(53,401)		-	374,890
21	392 Transportation Equipment	721,952	199,926	(110,851)		-	811,026
22	393 Stores Equipment	1,574	-	(242)		-	1,333
23	394 Tools, Shop & Garage Equipmen	101,313	30,164	(15,556)		-	115,921
24	395 Laboratory Equipment	22,076	-	(3,390)		-	18,686
25	396 Power Operated Equipment	106,693	248	(16,382)		-	90,559
26	397 Communications Equipment	285,368	142,537	(43,817)	72,035	(166,392)	289,731
27	398 Misc. Equipment	12,621	-	(1,938)		-	10,683
28	399 Other Tangible Property	35	-	(5)		-	30
29	Total General Plant	\$1,991,236	\$561,805	(\$305,743)	\$72,035	(\$166,392)	\$2,152,942
30	Total Electric Plant in Service	\$12,970,706	\$2,100,524	(\$1,944,959)	\$524,530	(\$524,530)	\$13,126,270
31	104 Utility Plant Leased to Others	\$0					\$0
32	106 Completed Construction Not Cla	0					0
33	107 Construction Work in Progress	70,829	61,645			(70,829)	61,645
34	Total Utility Plant Electric	\$13,041,534	\$2,162,169	(\$1,944,959)	\$524,530	(\$595,358)	\$13,187,915

Middleborough Gas & Electric

PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)

Line No.	Item (a)	Total Cost (b)	KINDS OF FUEL AND OIL			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year.....					
2	Received During Year.....					
3						
4	TOTAL	0	0	0	0	0
5						
6	Used During Year (Note A).....					
7						
8			NONE			
9						
10						
11	Sold or Transferred.....					
12						
13	TOTAL DISPOSED OF	0	0	0	0	0
14						
15	BALANCE END OF YEAR	0	0	0	0	0
16						
17			KINDS OF FUEL AND OIL			
18	Item (a)	Quantity (h)	Cost (i)	Quantity (j)	Cost (k)	
19						
20						
21	On Hand Beginning of Year.....					
22						
23	Received During Year.....					
24						
25	TOTAL	0	0	0	0	0
26						
27	Used During Year (Note A).....					
28						
29						
30			NONE			
31						
32	Sold or Transferred.....					
33						
34	TOTAL DISPOSED OF	0	0	0	0	0
35						
36	BALANCE END OF YEAR	0	0	0	0	0
37						
38						
39						
40						

## Middleborough Gas &amp; Electric

## UTILITY PLANT - GAS

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credit (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3			\$0	\$0	\$0	\$0	
4							
5	2. PRODUCTION PLANT						
6	A. Manufactured Gas Production Plant						
7	304 Land & Land Rights	4,970	-				4,970
8	305 Structures & Improvements	-	-				-
9	306 Boiler Plant Equipment	-	-				-
10	307 Other Power Equipment	327	-	(63)			264
11	310 Water Gas Generation Equipment	-	-				-
12	311 Liquefied Petroleum Gas Equipment	-	-				-
13	312 Oil Gas Generating Equipment	-	-				-
14	313 Generating Equipment - Other	-	-				-
15	B Process	-	-				-
16	315 Catalytic Cracking Equipment	-	-				-
17	316 Other Reforming Equipment	-	-				-
18	317 Purification Equipment	-	-				-
19	318 Residual Refining Equipment	-	-				-
20	319 Gas Mixing Equipment	-	-				-
21	320 Other Equipment	-	-				-
22	Total manufactured Gas Production Plant	5,297	\$0	(\$63)	\$0	\$0	5,234
23	3. STORAGE PLANT						
24	360 Land & Land Rights	-					-
25	361 Structures & Improvements	-					-
26	362 Gas Holders	-					-
27	363 Other Equipment	-					-
28	Total Storage	-	\$0	\$0	\$0	\$0	-



## UTILITY PLANT - GAS (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credit (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	<b>4. DISTRIBUTION AND DISTRIBUTION PLANT</b>						
2	365.1 Land & Land Rights	5,895	-				5,895
3	365.2 Rights of Way	-	-				-
4	366 Structures and Improvements	-	-				-
5	376 Mains	1,264,723	186,888	(243,584)			1,208,028
6	368 Compressor Station Equipment	-	-				-
7	369 Measuring and Regulating Station Equipment	-	-				-
9	380 Services	821,400	215,867	(158,200)			879,067
10	381 Meters	440,137	119,717	(84,770)			475,084
11	382 Meter Installations	3,852	-	(742)			3,110
12	385 House Regulators	3,358	-	(647)			2,711
13	386 Other Property on Customers Premises	113	-	(22)			92
14	387 Other Equipment	256	-	(49)			206
15	Total Transmission and Distribution Plant	2,539,734	\$522,472	(\$488,013)	\$0	\$0	2,574,193
16	<b>5. GENERAL PLANT</b>						
17	389 Land & Land Rights	-	-				-
18	390 Structures & Improvements	364,170	36,000	(70,139)			330,031
19	391 Office Furniture & Equipment	69,472	14,076	(13,380)			70,167
20	392 Transportation Equipment	122,354	-	(23,565)			98,789
21	393 Stores Equipment	142	-	(27)			115
22	394 Tools, Shop & Garage Equipment	65,347	1,316	(12,586)			54,077
23	395 Laboratory Equipment	86,342	5,844	(16,629)			75,557
24	396 Power Operated Equipment	78,352	-	(15,090)			63,262
25	397 Communications Equipment	2,134	-	(411)			1,723
26	398 Miscellaneous Equipment	65,353	30,975	(12,587)			83,741
27	399 Other Tangible Property	-	-				-
28	Total General Plant	853,665	\$88,210	(\$164,415)	\$0	\$0	777,461
29	Total Gas Plant in Service	3,398,697	\$610,682	(\$652,491)	\$0	\$0	3,356,888
30	104 Utility Plant Leased to Others	-	-				-
31	106 Completed Construction Not Classified	-	-				-
32	107 Construction Work in Progress	-	-				-
33	Total Utility Plant Gas	3,398,697	\$610,682	(\$652,491)	\$0	\$0	3,356,888

## Middleborough Gas &amp; Electric

MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	(a)	(b)
1	Electric Division Loss (Gain) on disposition	\$ (128,020)
2	Gas Division Loss (Gain) on disposition	(374)
3		
4		
5		
6		
	TOTAL	\$ (128,394)
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	TOTAL	\$ -
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23		
	TOTAL	\$ -
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	In Lieu of Tax Payment to the Town	552,933
25	Interest related to Other Employment Benefits Obligation - OPEB	14,015
26		
27		
28		
29		
30		
31		
32		
	TOTAL	\$ 566,948
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	Restricted Surplus for Other Employment Benefits Obligation	\$ 714,015
35		
36		
37		
38		
39		
40		
	TOTAL	\$ 714,015

Middleborough Gas & Electric

MUNICIPAL REVENUES (Account 482,444)					
(K.W.H. sold under the provisions of Chapter 269, Acts of 1927)					
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenues Received (c)	Avg. Revenues per M.C.F. (0000) (d)
1	482		26,655	\$ 321,696	\$ 12.0688
2					
3					
4		Totals	26,655	\$ 321,696	12.0688
Line No.	Acct. No.	Electric Schedule (a)	K.W.H. (b)	Revenues Received (c)	Avg. Revenues per K.W.H. (0000) (d)
5	444	Municipals: (Other than Street Lighting)	2,755,481	\$ 368,575	\$ 0.1338
6					
7					
8					
9					
10					
11					
12		Total	2,755,481	368,575	\$ 0.1338
13	M-14	Street Lighting	927,268	110,916	\$ 0.1196
14					
15					
16					
17					
18		Total	927,268	110,916	\$ 0.1196
19					
20		Totals	3,682,749	\$ 479,491	\$ 0.1302
21					
22					
23					
24					

PURCHASES POWER (Account 555)					
Line No.	Names of Utilities from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. (Cents) (0.0000) (e)
26	MMWEC-NYPA		9,681,090	\$ 75,244	\$ 0.0078
27	MMWEC-Contract		58,122,639	5,411,576	0.0964
28	MMWEC-NEPEX ISO		153,964,971	8,152,081	0.0529
29	INTEGRYS/Macquarie/Nstar		47,627,326	3,463,109	0.0727
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41		Totals	267,396,026	\$ 17,102,009	\$ 0.0640

SALES FOR RESALE (Account 447)					
Line No.	Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Revenues K.W.H. (Cents) (0.0000) (e)
42					
43					
44					
45					
46					
47					
48					
49					
50					
51		Totals	0	\$	\$

**Middleborough Gas & Electric**

**ELECTRIC OPERATING REVENUES (ACCOUNT 400)**

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.

- If increases and decreases are not derived from previously reported figures explain any inconsistencies.
- 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.

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

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	\$ 14,442,907	\$ (2,530,285)	119,550,667	173,700	13,054	98
3	442 Commercial & Industrial Sales						
4	Small (or Commercial) see instr. 5	12,007,628	(1,929,082)	99,302,409	1,306,721	1,748	6
5	Large (or Industrial) see instr. 5	3,102,708	(605,598)	31,007,646	407,724	15	0
6	444 Municipal Sales (P. 22)	619,110	(61,940)	4,708,185	37,622	100	2
7	445 Other Sales to Public Authorities	-	-	-	-	-	-
8	446 Sales to Railroads & Railways	-	-	-	-	-	-
9	448 Interdepartmental Sales	-	-	-	-	-	-
10	449 Miscellaneous Electric Sales (Streetlights)	-	-	-	-	1,078	(10)
11	<b>Total Sales to Ultimate Consumers</b>	<b>30,172,352</b>	<b>(5,126,906)</b>	<b>254,568,907</b>	<b>1,925,767</b>	<b>15,995</b>	<b>96</b>
12	447 Sales for Resale	-	-	-	-	-	-
13	<b>Total Sales of Electricity</b>	<b>\$ 30,172,352</b>	<b>\$ (5,126,906)</b>	<b>254,568,907</b>	<b>1,925,767</b>	<b>15,995</b>	<b>96</b>
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	\$ 340,406	\$ (8,984)				
16	451 Miscellaneous Service Revenues	59,726	(12,667)				
17	453 Sales of Water & Water Power	-	-				
18	454 Rent from Electric Property	-	-				
19	455 Interdepartmental Rents	-	-				
20	456 Other Electric Revenues	-	-				
21							
22							
23							
24							
25	<b>Total Other Operating Revenues</b>	<b>400,133</b>	<b>(21,652)</b>				
26	<b>Total Electric Operating Revenues</b>	<b>\$ 30,572,485</b>	<b>\$ (5,148,558)</b>				

\* Includes revenues from application of fuel clauses 15,704,240

Total KWH to which applied 250,258,667

# Middleboro Gas & Electric

## SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

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

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue Per K.W.H. Cents (0.0000) (d)	Number of Customers (Per Bills Rendered)	
						July 31 (e)	December 31 (f)
1	440	Res. Light	116,995,929	\$ 14,138,053	0.1208	12,774	12,954
2	440	Res. Heat	2,554,738	304,854	0.1193	217	209
3	442	Comm. Light	20,682,326	2,792,092	0.1350	1,540	1,548
4	442	Comm. Heat	78,620,083	9,215,536	0.1172	198	204
5	443	Ind. Light	54,346	7,512	0.1382	8	10
6	443	Ind. Power	30,953,300	3,095,196	0.1000	7	8
7	444	Mun. Light	1,453,210	192,004	0.1321	82	83
8	444	Mun. Power	1,302,271	176,571	0.1356	17	17
9	444	Mun. St. Light	927,268	110,916	0.1196	42	42
10	444	Area St Light	1,025,436	139,619	0.1362	1,035	1,031
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48	TOTAL SALES TO ULTIMATE						
49	CONSUMERS (Page 37 line 11)		254,568,907	\$ 30,172,352	0.1185	15,920	16,106

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
<b>POWER PRODUCTION EXPENSES</b>			
<b>STEAM POWER GENERATION</b>			
	Operation:		
4	500 Operation supervision and engineering	\$ -	\$ -
5	501 Fuel		
6	502 Steam expenses		
7	503 Steam from other sources		None
8	504 Steam transferred - Cr.		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	<b>Total operation</b>	-	-
	Maintenance:		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of structures		None
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	<b>Total maintenance</b>	-	-
20	<b>Total power production expenses - steam power</b>	-	-
<b>NUCLEAR POWER GENERATION</b>			
	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam expenses		
27	521 Steam from other sources		None
28	522 Steam transferred - Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	<b>Total operation</b>	-	-
	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of structures		None
36	530 Maintenance of reactor plant equipment		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	<b>Total maintenance</b>	-	-
40	<b>Total power production expenses - nuclear power</b>	-	-
<b>HYDRAULIC POWER GENERATION</b>			
	Operation:		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses		None
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
	<b>Total operation</b>	\$ -	\$ -

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - continued</b>		
2	Maintenance:		
3	541 Maintenance supervision and engineering	\$ -	\$ -
4	542 Maintenance of structures		None
5	543 Maintenance of Reservoirs, dams & waterways		
6	544 Maintenance of Electric Plant		
7	545 Maintenance of miscellaneous hydraulic plant		
8	<b>Total maintenance</b>	-	-
9	<b>Total power production expenses - hydraulic power</b>	-	-
10	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering		
13	547 Fuel		None
14	548 Generation Expense		
15	549 Miscellaneous other power generation expenses		
16	550 Rents		
17	<b>Total operation</b>	-	-
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of structures		None
21	553 Maintenance of generating & electric plant		
22	554 Maintenance of miscellaneous other power generation plant		
23	<b>Total maintenance</b>	-	-
24	<b>Total power production expenses - other power</b>	-	-
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power	17,102,009	(1,497,066)
27	556 System control & load dispatching	-	-
28	557 Other expenses	(374,713)	(3,673,600)
29	<b>Total other power supply expenses</b>	16,727,296	(5,170,666)
30	<b>Total power production expenses</b>	\$ 16,727,296	\$ (5,170,666)
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	\$ 118,064	\$ 118,064
34	561 Load dispatching	-	-
35	562 Station expenses	91,455	91,455
36	563 Overhead line expenses		-
37	564 Underground line expenses		-
38	565 Transmission of electricity by others	2,799,177	(574,405)
39	566 Miscellaneous transmission expenses		-
40	567 Rents		-
41	<b>Total operation</b>	3,008,697	(364,886)
42	Maintenance:		
43	568 Maintenance supervision and engineering	-	-
44	569 Maintenance of structures		-
45	570 Maintenance of station equipment	18,870	18,535
46	571 Maintenance of overhead lines	-	-
47	572 Maintenance of underground lines	-	-
48	573 Maintenance of miscellaneous transmission plant	-	-
49	<b>Total maintenance</b>	18,870	18,535
50	<b>Total transmission expenses</b>	\$ 3,027,567	\$ (346,350)

## Middleboro Gas &amp; Electric

For the year ended December 31, 2012

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	\$ 96,057	\$ (22,042)
4	581 Load dispatching	-	-
5	582 Station expenses	274,489	(69,860)
6	583 Overhead line expenses	-	-
7	584 Underground line expenses	-	-
8	585 Street lighting & signal system expenses	-	-
9	586 Meter expenses	145,167	19,881
10	587 Customer installations expenses	-	-
11	588 Miscellaneous distribution expenses	267,942	(32,528)
12	589 Rentals	-	-
13	<b>Total operation</b>	<b>783,655</b>	<b>(104,549)</b>
14	Maintenance:		
15	590 Maintenance supervision and engineering	96,057	(20,422)
16	591 Maintenance of structures	-	-
17	592 Maintenance of station equipment	22,440	22,440
18	593 Maintenance of overhead lines	1,555,516	(137,290)
19	594 Maintenance of underground lines	5,273	(1,755)
20	595 Maintenance of line transformers	6,691	5,545
21	596 Maintenance of street lighting & signal systems	9,462	2,164
22	597 Maintenance of meters	(945)	(2,026)
23	598 Maintenance of miscellaneous distribution plant	89,198	(9,926)
24	<b>Total maintenance</b>	<b>1,783,692</b>	<b>(141,270)</b>
25	<b>Total distribution expenses</b>	<b>\$ 2,567,347</b>	<b>\$ (245,819)</b>
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	-	-
29	902 Meter reading expenses	120,872	6,754
30	903 Customer records & collection expenses	556,704	(34,460)
31	904 Uncollectible accounts	224,523	224,523
32	905 Miscellaneous customer accounts expenses	-	-
33	909 Energy audit expense	57,827	5,395
34	<b>Total customer accounts expenses</b>	<b>959,926</b>	<b>202,212</b>
35	<b>SALES EXPENSES</b>		
36	Operation:		
37	911 Supervision	-	-
38	912 Demonstrating & selling expenses	-	-
39	913 Advertising expense	49,963	(4,709)
40	916 Miscellaneous sales expenses	-	-
41	<b>Total sales expenses</b>	<b>49,963</b>	<b>(4,709)</b>
42	<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>		
43	Operation:		
44	920 Administrative & general salaries	354,975	46,503
45	921 Office supplies & expenses	65,277	(4,273)
46	922 Administrative expenses transferred - Cr.	-	-
47	923 Outside services employed	116,443	3,033
48	924 Property insurance	194,254	(38,892)
49	925 Injuries & damages	123,510	(61,216)
50	926 Employee pension & benefits	2,631,031	105,227
51	928 Regulatory commission expenses	-	-
52	929 Duplicate charges - Cr.	-	-
53	930 Miscellaneous general expenses	120,822	74,828
54	931 Municipal services	68,953	423
55	<b>Total operations</b>	<b>3,675,255</b>	<b>125,634</b>



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	<b>ADMINISTRATIVE &amp; GENERAL EXPENSES - continued</b>		
2	Maintenance:		
3	933 Transportation expense	\$ -	\$ -
4	Total administrative & general expenses	3,675,265	125,634
5	Total Electric Operation & Maintenance Expenses	\$ 27,007,364	\$ (5,439,699)

**SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam Power	\$ -	\$ -	\$ -
9	Nuclear Power			\$0
10	Hydraulic Power			\$0
11	Other Power			\$0
12	Other Power Supply Expenses	16,727,296	-	16,727,296
13	<b>Total Power Production Expenses</b>	16,727,296	-	16,727,296
14	Transmission Expenses	3,008,697	18,870	3,027,567
15	Distribution Expenses	783,655	1,783,692	2,567,347
16	Customer Accounts Expenses	959,926		959,926
17	Sales Expenses	49,963		49,963
18	Administrative & General Expenses	3,675,265		3,675,265
19				
20	<b>Total Electric Operation and Maintenance Expenses</b>	\$ 25,204,803	\$ 1,802,562	\$ 27,007,364
21				

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

95%

Total Salaries and Wages of electric department for year, including amounts Charged to operating expenses, construction and other accounts

\$ 3,367,035

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

44.0

## Middleboro Gas &amp; Electric

GAS OPERATING REVENUES (Account 400)							
Line No.	Account (a)	Operating Revenues		MCF Sold (1000-BTU)		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
	<b>SALES OF GAS</b>						
1	480 Residential Sales	\$ 3,304,781	\$ (1,141,570)	247,237	(27,971)	4,474	85
2	481 Commercial & Industrial Sales:						
3	Small (or Commercial) see instr. 5	2,417,651	(890,207)	192,897	(21,560)	575	15
4	Large (or Industrial) see instr. 5	1,541,371	(306,029)	267,465	29,424	10	(1)
5	482 Municipal Sales (P. 22)	321,696	(200,142)	26,655	(7,210)	54	1
6	483 Other Sales	-	-	-	-	-	-
7	485 Miscellaneous Gas Sales	-	-	-	-	-	-
8	<b>Total Sales to Ultimate Consumers</b>	<b>7,585,498</b>	<b>(2,537,948)</b>	<b>734,254</b>	<b>(27,317)</b>	<b>5,113</b>	<b>100</b>
9	483 Sales for Resale	-	-	-	-	-	-
10	<b>Total Sales of Gas</b>	<b>7,585,498</b>	<b>(2,537,948)</b>	<b>734,254</b>	<b>(27,317)</b>	<b>5,113</b>	<b>100</b>
11	<b>OTHER OPERATING REVENUES</b>						
12	487 Forfeited Discounts	73,615	(17,508)				
13	488 Miscellaneous Service Revenues	-	-				
14	489 Revenues from Trans. of Gas of Other Natural Gas	-	-				
15	491 Rev. from Natural Gas Processed by Others	-	-				
16	493 Rent from Gas Property	-	-				
17	494 Interdepartmental Rents	-	-				
18	495 Other Gas Revenues	-	-				
19	<b>Total Other Operating Revenues</b>	<b>73,615</b>	<b>(17,508)</b>				
20	<b>Total Gas Operating Revenues</b>	<b>\$ 7,659,113</b>	<b>\$ (2,555,456)</b>				
21							
22							

Purchased	
Price Adj.	
Clauses	
	\$2,598,477
Fuel	
Clauses	
	475,538

\* Includes revenues from application of Total M.C.F. which Applied

# Middleboro Gas & Electric

## SALES OF GAS TO ULTIMATE CONSUMERS

Report by account 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. \$0.0000 (d)	Number of Customers (Per Bills Rendered)	
						July 31 (e)	December 31 (f)
1		Res. Gas	7,608	\$ 116,458	15.31	350	341
2		Res. Heat	239,629	3,188,322	13.31	4,118	4,170
3		Comm. Gas	26,266	331,107	12.61	94	90
4		Comm. Heat	166,631	2,086,544	12.52	485	482
5		Ind. Gas (Interruptible)	260,616	1,457,025	5.59	1	1
6		Ind. Heat	6,848	84,345	12.32	9	9
7		Mun. Gas	26,655	321,696	12.07	53	53
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47		<b>TOTAL SALES TO ULTIMATE</b>					
48		<b>CONSUMERS (Page 43 line 9)</b>	734,254	\$ 7,585,498	10.3309	5,110	5,146

**GAS OPERATION AND MAINTENANCE EXPENSES**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
<b>PRODUCTION EXPENSES</b>			
<b>MANUFACTURED GAS PRODUCTION EXPENSES</b>			
<b>STEAM PRODUCTION</b>			
	Operation:		
5	700 Operation supervision and engineering		
6	701 Operation labor	None	
7	702 Boiler fuel		
8	703 Miscellaneous steam expenses		
9	704 Steam transferred - Cr.		
10	<b>Total operation</b>	\$0	\$0
	Maintenance:		
12	705 Maintenance supervision and engineering		
13	706 Maintenance of structures and improvements	None	
14	707 Maintenance of boiler plant equipment		
15	708 Maintenance of other steam production plant		
16	<b>Total maintenance</b>	\$0	\$0
17	<b>Total power production expenses - steam power</b>	\$0	\$0
<b>MANUFACTURED GAS PRODUCTION</b>			
	Operation:		
20	710 Operation supervision and engineering		
	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		
	718 Other process production expenses		
	Gas fuels:		
29	721 Water gas generator fuel	None	
30	722 Fuel for oil gas		
31	723 Fuel for liquefied petroleum gas process		
32	724 Other gas fuels		
	Gas raw materials:		
34	726 Oil for water gas		
35	727 Oil for oil gas		
36	728 Liquefied petroleum gas		
37	729 Raw materials for other gas processes		
38	730 Residuals expenses		
39	731 Residual produced -0- Cr.		
40	732 Purification expenses		
41	733 Gas mixing expenses		
42	734 Duplicate charges - Cr.		
43	735 Miscellaneous production expenses		
44	736 Rents		
45	<b>Total operation</b>	\$ -	\$ -
	Maintenance:		
47	740 Maintenance supervision and engineering		
48	741 Maintenance of structures and improvements	\$	-
49	742 Maintenance of production equipment		
50	<b>Total maintenance</b>	\$ -	\$ -
51	<b>Total manufactured gas production</b>	\$ -	\$ -
52			

## GAS OPERATION AND MAINTENANCE EXPENSES -- Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
	<b>OTHER GAS SUPPLY EXPENSES</b>		
2	Operation:		
3	804 Natural gas city gate purchases	\$ 4,096,070	\$ (987,345)
4	805 Other gas purchases		
5	806 Exchange gas		
6	807 Purchased gas expenses	69,359	(24,152)
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	(412,876)	(1,863,162)
11	<b>Total other gas supply expenses</b>	<b>3,752,552</b>	<b>(2,874,859)</b>
12	<b>Total production expenses</b>	<b>\$ 3,752,552</b>	<b>\$ (2,874,859)</b>
	<b>LOCAL STORAGE EXPENSES</b>		
14	Operation:		
15	840 Operation supervision and engineering	None	
16	841 Operation labor and expenses		
17	842 Rents		
18	<b>Total operation</b>	<b>\$ -</b>	<b>\$ -</b>
19	Maintenance:		
20	843 Maintenance supervision and engineering		
21	844 Maintenance of structures and improvement	34,234	1,663
22	845 Maintenance of gas holders		
23	846 Maintenance of other equipment		
24	<b>Total maintenance</b>	<b>34,234</b>	<b>1,663</b>
25	<b>Total transmission and distribution expense</b>	<b>\$ 34,234</b>	<b>\$ 1,663</b>
	<b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
	Operation:		
28	850 Operation supervision and engineering		
29	851 System control and load dispatching		
30	852 Communication system expenses		
31	853 Compressor station labor and expense		
32	855 Fuel and power for compressor station		
33	857 Measuring and regulating station expense		
34	858 Transmission and compression of gas by others		
35	870 Operation supervision and engineering	125,189	37,037
36	871 Distribution and Load Dispatching	90,956	598
37	874 Mains and services expense	143,587	27,566
38	878 Meter and house regulator expense	78,074	12,249
39	879 Customer installation expenses	238,154	23,198
40	880 Other expenses	70,888	5,575
41	881 Rents	65,608	15,568
42	<b>Total operation</b>	<b>812,457</b>	<b>121,791</b>
43	Maintenance:		
44	885 Maintenance supervision and engineering	126,688	5,022
45	886 Maintenance of structures and improvement	30,354	(16,750)
46	887 Maintenance of mains	16,977	(1,198)
47	888 Maintenance of compressor station equipment	-	-
48	889 Maintenance of measuring and regulation station equipment	32,323	(10,150)
49	892 Maintenance of services	176,871	46,200
50	893 Maintenance of meters and house regulator	-	-
51	894 Maintenance of other equipment	13,497	6,302
52	896 Maintenance of power operated equipment	61,206	1,402
53	<b>Total maintenance</b>	<b>457,896</b>	<b>30,827</b>
54	<b>Total transmission expenses</b>	<b>\$ 1,270,353</b>	<b>\$ 152,619</b>

## GAS OPERATION AND MAINTENANCE EXPENSES -- Continued

Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
<b>CUSTOMER ACCOUNTS EXPENSES</b>			
1	Operation:		
2	901 Supervision	\$ -	\$ -
3	902 Meter reading expenses	39,379	3,034
4	903 Customer records & collection expenses	187,273	(8,134)
5	904 Uncollectible accounts	74,841	74,841
6	905 Miscellaneous customer accounts expenses	-	-
7	<b>Total customer accounts expenses</b>	<b>\$ 301,492</b>	<b>\$ 69,742</b>
<b>SALES EXPENSES</b>			
8	Operation:		
9	909 Energy Audit Project	17,451	(27)
10	909 Communications expense	-	-
11	912 Demonstrating and selling expenses	-	-
12	913 Advertising expense	15,987	(6,571)
13	916 Miscellaneous sales expenses	-	-
14	<b>Total sales expenses</b>	<b>\$ 33,438</b>	<b>\$ (6,597)</b>
<b>ADMINISTRATIVE &amp; GENERAL EXPENSES</b>			
15	Operation:		
16	920 Administrative & general salaries	\$ 130,578	\$ 27,755
17	921 Office supplies & expenses	21,759	(1,361)
18	922 Administrative expenses transferred - Cr.	-	-
19	923 Outside services employed	38,814	1,116
20	924 Property insurance	84,751	(12,964)
21	925 Injuries & damages	41,170	(20,405)
22	926 Employee pension & benefits	876,842	34,658
23	928 Regulatory commission expenses	-	-
24	929 Duplicate charges - Cr.	-	-
25	930 Miscellaneous general expenses	40,097	24,500
26	931 Reimbursement from Municipal Services	22,984	141
27	933 Transportation Expenses	-	-
28	<b>Total operations</b>	<b>1,236,996</b>	<b>53,440</b>
29	Maintenance:		
30	935 Maintenance of general plant	-	-
31	<b>Total administrative &amp; general expenses</b>	<b>\$ 1,236,996</b>	<b>\$ 53,440</b>
32	<b>Total Gas Operation &amp; Maintenance Expenses</b>	<b>\$ 6,629,066</b>	<b>\$ (2,603,794)</b>

## SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSE

Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
Steam production	\$ -	\$ -	\$ -
Manufactured gas production	-	-	-
Other gas supply expenses	3,752,552	-	3,752,552
<b>Total Production Expenses</b>	<b>3,752,552</b>	<b>-</b>	<b>3,752,552</b>
Local storage expenses	-	34,234	34,234
Transmission and distribution expenses	812,457	457,896	1,270,353
Customer accounts expenses	301,492	-	301,492
Sales expenses	33,438	-	33,438
Administrative and general expenses	1,236,996	-	1,236,996
<b>Total Gas Operation and Maint. Expenses</b>	<b>\$ 6,136,936</b>	<b>\$ 492,130</b>	<b>\$ 6,629,066</b>
Ratio of Operating expenses to operating revenues			95%
Total Salaries and Wages of gas department for year, including amounts charged to operating expenses, construction and other accounts			\$ 1,352,011
Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees			19.0

### Middleboro Gas & Electric

#### SALES FOR RESALES (Account 483)

Line No	Names of Companies to Which Gas is Sold (a)	Where Delivered and Where and How Measured (b)	M.C.F. (1000 BTU) (c)	Rate per M.C.F. (\$0.0000) (d)	Amount (e)
1					
2					
3					
4					
5		NONE			
6					
7					
8					
9					
10					
11		TOTALS	0	0	\$0
12					

#### SALE OF RESIDUALS (Accounts 730, 731)

Line No	Kind (a)	Revenue (b)	Inventory Cost (c)	Handling Selling, Etc (d)	(e)	Total Cost (f)	Net Revenue (g)
13							
14							
15							
16			NONE				
17							
18							
19							
20	TOTALS:	\$0	\$0	\$0	0	\$0	\$0
21							

#### PURCHASED GAS (Account 804)

Line No	Names of Companies from which Gas is Purchased (a)	And Where and How Measured (b)	M.C.F. (1000 BTU) (c)	M.C.F. (\$0.000) (d)	Amount (e)
22	JP Morgan Firm	S. Middleboro Border Station Orifice Plate	258,029	\$ 5.1129	\$ 1,319,265
23					
24	Interruptible	S. Middleboro Border Station Orifice Plate	252,608	\$ 3.8072	\$ 961,731
25					
26					
27	Bay State Gas Co. Firm	Midd-Lakeville Town Line Rotary Meter Measurement	4,629	\$ 25.5232	\$ 118,147
28	Note: Transport volumes included in Winter Peaking				
29					
30					
31	GDF/Suez Distrigas Firm	S. Middleboro Border Station Orifice Plate	261,972	\$ 6.4775	\$ 1,696,927
32					
33					
34					
35		TOTALS	777,238	\$ 5.2700	\$ 4,096,070
36					





# Middleboro Gas & Electric

## 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	Electric Division - finance charges		\$ 27,665	none	\$ 27,665
3					
4	Gas Division - finance charges		3,076	none	3,076
5					
6	Note: Represents pole attachment fees, temporary charges, etc				
7					
8					
9					
10					
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43					
44					
45					
46					
47					
48					
49					
50					
51	Totals	\$ -	\$ 30,741	\$ -	\$ 30,741

## Middleboro Gas &amp; Electric

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

Report by utility departments the revenues, costs, expenses, and not income from merchandising,  
jobbing, & contract work during year.

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns	-	99,352		\$ 99,352
4	Contract work				-
5	Commissions				-
6	Other (list according to major classes)				-
7	AVSG CNG Sales		64,524		64,524
8					-
9					-
10	Total Revenues	-	163,876	-	163,876
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses:				
27	Customer accounts expenses:				
28	Administrative and general expenses:				
29					
30	Sales tax expense		-		-
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	Total Costs & Expenses	-	-	-	-
51	Net Profit (or Loss)	\$ -	\$ 163,876	\$ -	\$ 163,876

**ELECTRIC ENERGY ACCOUNT**

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

Line No.	Item (a)	Kilowatt hours (b)
1	<b>SOURCES OF ENERGY</b>	
2	<b>Generation (excluding station use):</b>	
3	Steam	
4	Nuclear	
5	Hydro	
6	Other	
7	<b>Total Generation</b>	0
8	<b>Purchases</b>	113,431,055
9		
10	<b>Interchanges</b>	
	In (gross)	
	Out (gross)	
11	<b>Net (kwh)</b>	153,964,971
12		
13	<b>Transmission for/by others (wheeling)</b>	
	Received	
	Delivered	
14	<b>Net (kwh)</b>	0
15	<b>TOTAL</b>	267,396,026
16	<b>DISPOSITION OF ENERGY</b>	
17	<b>Sales to ultimate consumers (including interdepartmental sales):</b>	254,568,907
18	Sales for resale	
19	Energy furnished without charge	
20	<b>Energy used by the company (excluding station use):</b>	139,585
21	Electric department only	107,076
22	<b>Energy losses:</b>	
23	Transmission and conversion losses	
24	Distribution losses	12,580,458
25	Unaccounted for losses	
26	<b>Total energy losses</b>	12,580,458
27	<b>Energy losses as percent of total on line 15</b>	4.70%
28		267,396,026

**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 temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.
- State type of monthly peak reading (instantaneous 1 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.

Month (a)	Monthly Peak					Monthly Output (kwh) (see instr. 4) (g)
	Kilowatts (b)	Day of wk (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
January	40,700	Wednesday	4	6 PM	60 Minute Integrated	22,041,251
February	37,300	Sunday	12	7 PM		19,673,479
March	35,800	Monday	5	7 PM		20,035,219
April	32,600	Monday	16	9 PM		18,851,535
May	42,800	Tuesday	29	5 PM		20,014,415
June	59,700	Thursday	21	3 PM		21,872,320
July	60,400	Tuesday	17	3 PM		27,224,709
August	56,300	Friday	3	5 PM		27,304,331
September	47,800	Friday	7	5 PM		21,720,787
October	37,400	Wednesday	24	7 PM		22,094,634
November	42,800	Tuesday	27	6 PM		22,790,245
December	42,300	Thursday	6	7 PM		23,773,101
<b>TOTAL:</b>						267,396,026

Annual Report of:

For the year ended December 31, 2012

# Middleborough Gas & Electric

**GENERATING STATION STATISTICS (Large Stations)**  
(Except Nuclear) Pages 58-59

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					

**STEAM GENERATING STATIONS** Pages 60-61

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					

**HYDROELECTRIC GENERATING STATIONS** Pages 62-63

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS** Pages 64-65

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					

**GENERATING STATION STATISTICS (Small Stations)** Page 66

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
6					

Report of:

**Middleborough Gas & Electric**

**TRANSMISSION LINE STATISTICS**

Report information concerning transmission lines as indicated below

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)	
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)			
1	Taunton River	Wareham St	115,000	Wood H frame	4.91		1	636 MCM ACSR	
2				Steel	0.61				
3	Titicut St	Summer St	115,000	Wood	1.70		1	795 MCM ACSR	
4				Davit Arm					
5	Summer St.	Wareham St	115,000	Wood	3.13		0	636 MCM ACSR	
6				Davit Arm		(Shared with Line 1)			
7									
8									
9									
10									
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45									
46									
47	<b>TOTALS</b>					10.35	0	2	

\* 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.

1. Substations which serve but one industrial or street railway customer should not be listed hereunder.
2. Substations with capacities of less than 5000 KVA, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

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

5. Show in columns (c), (d), and (e) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.

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

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

Line No.	Name & Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation In KVA (in service) (c)	Number of Transformers (in service) (d)	Number of Spare Transformers (e)	Conversion Apparatus & Special Equipment		
			Primary (f)	Secondary (g)	Tertiary (h)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Horbal Substation	Distribution	115,000	13,800		100,000	3	0			
2	Wareham St., Middleboro	Unattended 1									
3											
4											
5											
6											
7											
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39											
40											
<b>TOTALS</b>						100,000	3	0		0	0

**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year	262.38	-	262.38
2	Added During Year	0.00	-	0.00
3	Retired During Year	0.00	-	0.00
4	Miles - End of Year	262.38	0.00	262.38
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Distribution System Characteristics - A.C. or D.C., phase, cycles & operating voltages for Light & Power.

Primary System is 13,800 GRDY/7970 Volts three phase 60 cycles A.C..

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

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at beginning of year	17,145	17,145	3,566	181,389.5
17	Additions during year:				
18	Purchased		1,444	2	1,250.0
19	Installed	1,444			
20	Associated with utility plant acquired				
21	Total additions	1,444	1,444	2	1,250.0
22	Reductions during year:				
23	Retirements	952	952	30	1,052.5
24	Associated with utility plant sold				
25	Total reductions	952	952	30	1,052.5
26	Number at End of Year	17,637	17,637	3,598	181,587.0
27	In stock		2,593	121	
28	Locked meters on customers' premises				
29	Inactive transformers on system			0	0.0
30	In customers' use		15,033	3,411	
31	In company's use		11	6	
32	Number at End of Year		17,637	3,598	0.0

Middleborough Gas & Electric

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

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

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All Sizes & Types) (b)	Underground Cable		Submarine Cable	
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)
1	Local underground in center of town Middleboro	0.2270	0.2270	13,800		
2	Local underground in center of town Middleboro	2.6870	2.6870	120/208		
3	Wareham St. Substation, Middleboro	0.4000	0.7000	13,800		
4	Various Highway Crossings	1.6560	1.6560	13,800		
5	Various Developments - Buried	0.0000	3.3900	7,970		
6	Tinkham Lane & Ashley Place, Lakeville	0.0130	0.0165	120/240		
7	Lakeport Park ( off Harding St.) Lakeville	0.0198	0.2370	13,800		
8	Lakeport Park ( off Harding St.) Lakeville	0.0110	0.0110	277/480		
9	Various Commercial Developments	3.3900	3.3900	13,800		
10	Various Residential Developments - Ducted	40.9645	47.4945	7,970		
11	Various Developments - Buried	6.8900	21.1802	7,970		
12	New 2004	7.9417	9.2075	7,970		
13	New 2005	3.0500	3.0500	7,970	single phase	
14	New 2005			13,800	phase to phase	
15	New 2006	2.8300	2.8300	13,800		
16	New 2007	4.8400	4.8400	13,800		
17	New 2008	0.0300	0.0300	13,800		
18	New 2009	1.8200	1.8200	13,800		
19	New 2012	1.0100	1.0100	13,800		
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34	<b>TOTALS</b>	<b>77.7800</b>	<b>103.7767</b>		<b>0</b>	<b>0</b>

\* Indicate number of conductors per cable.



Middleborough Gas & Electric

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		Mercury Vapor		Fluorescent		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Middleboro	1,688	20	4	209	24			920	511
2										
3	Lakeville	336			20	19			57	240
4										
5										
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51										
52	<b>TOTALS</b>	2,024	20	4	229	43	0	0	977	751

**Middleborough Gas & Electric**

**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	<b>Gas Made</b>						
2							
3					NONE		
4							
5							
6							
7	<b>TOTAL</b>	0	0	0	0	0	0
8							
9	<b>Gas Purchased</b>						
10	Natural .....	766,273	107,618	92,598	75,908	63,576	36,243
11	Other .....	0	0	0	0	0	0
12							
13	<b>TOTAL</b>	766,273	107,618	92,598	75,908	63,576	36,243
14							
15	<b>TOTAL MADE AND PURCHASED</b>	766,273	107,618	92,598	75,908	63,576	36,243
16							
17	<b>Net Change in Holder</b>						
18	Gas .....LNG.....	(52)	243	(232)	(301)	(294)	(322)
19							
20	<b>TOTAL SENDOUT</b>	766,221	107,861	92,366	75,607	63,282	35,921
21							
22							
23							
24	Gas Sold .....	746,670	100,287	89,234	67,569	57,501	35,403
25	Gas Used by Company .....	857	184	159	121	33	12
26	Gas Accounted for .....	747,527	100,471	89,393	67,690	57,534	35,415
27	Gas Unaccounted for .....	18,694	7,390	2,973	7,917	5,748	506
28							
29	% Unaccounted for (0.00%) .....	2.44%	6.85%	3.22%	10.47%	9.08%	1.41%
30							
31							
32	<b>Sendout in 24 hours in MCF</b>						
33	Maximum - MCF .....	5,257	5,257	4,650	3,926	2,864	2,338
34	Maximum Date .....	1/15	1/15	2/12	3/5	4/2	5/1
35	Minimum - MCF .....	609	2,118	2,149	1,145	1,469	826
36	Minimum Date .....	7/10	1/1	2/22	3/21	4/21	5/29
37							
38							
39							
40	B. T. U. Content of Gas Delivered to Customer				1,030	per Cubic Foot	
41							



Annual Report of:

For the year ended December 31, 2012

# Middleborough Gas & Electric

## GAS GENERATING PLANT

Line No.	General Description - location, Size, Type, etc	No. of Sets	24 Hour Cap. (MCF)
1			
2			
3	Liquid Natural Gas Plant - Vine St.		
4	1 - 30,000 Gallon Cryogenic Storage Tank		2,160
5	3 - 30,000 CFH Ambient Vaporizers		
6	1 - 120,000 CFH Water Bath Heater		
7			
8			
9			
10			
11			
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13			
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17			
18			
19			
	TOTAL		2,160

### Middleborough Gas & Electric

Boilers							Page 75
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	N/A						
2							
3							
4							
5							
<b>SCRUBBERS, CONDENSERS AND EXHAUSTERS. 24 HOUR CAPACITY (MCF)</b>							
Line No.	Location	Kind of Gas			Total Capacity		
17	Scrubbers	N/A					
18							
19							
20	Condensers	N/A					
21							
22	Exhausters	N/A					
23							
24							
<b>PURIFIERS</b>							Page 76
Line No.	Location	Kind of Gas Purified	Kind of Purifying Materials	Estimated 24 Hour Capacity			
1	N/A						
2							
3							
4							
5							
6							
7							
<b>HOLDER (Including Relief Holders).</b> Indicate Relief Holders by the Letters R.,H.							
Line No.	Location	type of Tank	Dimensions		No. of Lifts	Number	Working Capacity
			Diam.	Height			
20	N/A						
21							
22							
23							
24							
25							

### Middleborough Gas & Electric

#### TRANSMISSION AND DISTRIBUTION MAINS

Line No.	Diameter	Tot Length in Feet at Beginning of Year	Added During Year	Taking up During Year	Abandoned but not Removed During Year	Total Length in Feet at End of Year
1						
2	4"	46,791			(4,288)	42,503
3	6"	8,510				8,510
4	8"	2,763				2,763
5	Total C.I.	58,064	0	0	(4,288)	53,776
6						
7	1"	1,400				1,400
8	1 1/2"	0				0
9	2"	22,096			(47)	22,049
10	3"	0				0
11	4"	29,860				29,860
12	6"	15,753				15,753
13	8"	49,150				49,150
14	Total Welded Steel	118,259	0	0	(47)	118,212
15						
16						
17	2"	0				0
18	2 1/2"	418				418
19	3"	260				260
20	4"	0				0
21	6"	0				0
22	Total Steel	678	0	0	0	678
23						
24	1/2"	2,160				2,160
25	1 1/8"	7,654	625			8,279
26	2"	143,276	4,179	(53)		147,402
27	3"	5,644				5,644
28	4"	91,947	993	(150)		92,790
29	6"	82,210	3,962		(550)	85,622
30	8"	20,549				20,549
31	Total Plastic	353,440	9,759	(203)	(550)	362,446
32						
33	<b>Total</b>	<b>530,441</b>	<b>9,759</b>	<b>(203)</b>	<b>(4,885)</b>	<b>535,112</b>

Normal Operating Pressure - Mains and Lines - Maximum 100 psig  
 Minimum 7" W.C  
 Normal Operating Pressure - Services - Maximum 100 psig  
 Minimum 7" W.C

Annual Report of:

For the year ended December 31, 2012

## Middleborough Gas &amp; Electric

## GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS

Line No.	Item	Gas Services	House Governors	Meters
1	Number at beginning of Year .....	4,321	4,385	5,309
2	Additions during year:			
3	Purchased .....		221	410
4	Installed .....	97		
5	Associated with Plant acquired ..			
6				
7	Total Additions .....	97	221	410
8				
9	Reductions during year:			
10	Retirements .....	(3)	(68)	(206)
11	Associated with plant sold .....			
12				
13	Total Reductions .....	(3)	(68)	(206)
14				
15	Number at End of Year .....	4,415	4,538	5,513
16				
17				
18	In Stock			165
19	On Customers' Premises - Inactive			155
20	On Customers' Premises - Active			5,187
21	In Company Use			6
22				
23	Number at End of Year			5,513
24				
25				
26	Number of Meters Tested by State Inspectors			
27	During Year			994
28				
29				

Annual Report of:

For the year ended December 31, 2012

**Middleboro Gas & Electric**

1. Attach copies of all Field 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.

Line No.	Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
				Increases	Decreases
1	2/01/92	124	Res. Electric Service		
2			Schedule R-1 & R-6		
3	2/01/92	125	Res. Electric Service		
4			with Water Heating		
5			Schedule RW-82		
6	2/01/92	128	Mun. Electric Light		
7			Service Schedule M-7		
8	2/01/92	129	Mun. Electric Power		
9			Service Schedule M-8		
10	2/01/92	130	Area St. Lighting		
11			Schedule SL-60		
12	2/01/92	131	Res. Ele Service Without		
13			Water Heating Elderly		
14			Schedule R-10 & R-91		
15	2/01/92	132	Res. Electric Service with		
16			Water Heating Elderly		
17			Schedule RW-83		
18	2/01/92	135	Firm Transmission Service		
19			Schedule FTS		
20	2/01/92	136	Interruptible Trans. Service		
21			Schedule ITS		
22	07/01/90	138	Purchase Gas Adjustment Clause		
23			Schedule PGA		
24	07/01/90	139	Res. Gas Service		
25			Schedule R-11 & R-19		
26	07/01/90	140	Comm. & Ind. Gas General		
27			Service Schedule C-12, I-14 & A/C 18		
28	07/01/90	141	Comm. & Ind. Gas Heating Service		
29			Service Schedule C-13, I-15 & A/C 18		
30	07/01/90	142	Municipal Gas Service		
31			Schedule M-17 & 71		
32	07/01/90	143	Outdoor Gas Lighting Service		
33			Schedule GL		
34	07/01/90	144	Res. Gas Service Elderly		
35			Schedule R-88, 89 & 96		
36			Service Availability		
37	07/12/95	148	Commercial & Industrial General Service		
38			Schedules C-2, C-3, I-2, and I-5		
39	07/12/95	149	Large Power Primary - Schedules C-40 & I 40		
40	07/12/95	150	Large Light & Power Secondary - Schedules C 41 & I 41		
41	07/12/95	151	Purchase Power Adjustment - PPA Clause - Schedule PPA		
42	07/12/95	152	Commercial & Industrial Gas Air Cond Service		
43			Schedule A/C 18		
44	02/01/00	156	Load Retention Rate LR-Cancelled March 1, 2009		
45	09/01/00	157	General Service Demand - Schedules C-41, I-41		
46	09/01/00	158	Large General Service - Schedules C-40, I-40, C-401, 402, 403, 404		
47	03/01/09	159	Revised Load Retention Rate LR		
48	11/09/10	160	Renewable Energy Buyback Rate		
49					



Middleborough Gas & Electric

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

*[Handwritten signature]*

~~MAYOR~~

Manager of Electric Light

*[Handwritten signature: Daniel E. Farley]*

*[Handwritten signature: Daniel E. M...]*

*[Handwritten signature: Glenn Montagna]*

*[Handwritten signature: John A. Herley]*

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

JUN 12 2013

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH  
OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

\_\_\_\_\_ SS. \_\_\_\_\_ 19\_\_\_\_

Then personally appeared \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

Notary Public or  
Justice of the Peace.

\_\_\_\_\_