

MUNICIPAL LIGHTING PLANTS

THE COMMONWEALTH OF MASSACHUSETTS

RETURN

OF THE

Middleborough Gas and Electric Department

OF

Middleborough, Massachusetts

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2019

THE COMMONWEALTH OF MASSACHUSETTS

RETURN

OF THE

TOWN OF

MIDDLEBOROUGH

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2019

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

1 South Station, Boston 02110-2212

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 & 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 with the provisions of Chapter 164 of the General Laws: Dec 15, 1893 and 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) Diane Stewart - Middleborough, MA
 2) Arthur Battistini - Middleborough, MA
 3) Allin Frawley - Middleborough, MA
 4) Neil Rosenthal - Middleborough, MA
 5) Leilani Dalpe - 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) Daniel Farley - Middleborough, MA
 2) John F. Healey - Middleborough, MA
 3) Thomas E. Murphy - Middleborough, MA
 4) Ellen M. Farley - Middleborough, MA
 5) Paul D. Smith - Middleborough, MA

8. Total valuation of estates in town (or city) according to last State valuation: \$2,867,949,600

9. Tax rate for all purposes during the year:

	Residential	\$15.88 per 1000
	Commercial	\$16.86 per 1000

10. Amount of manager's salary: \$183,423

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

	Amount
INCOME FROM PRIVATE CONSUMERS:	
From sales of gas	\$10,757,528
From sales of electricity	36,606,899
TOTAL:	\$47,364,427
EXPENSES:	
For operation, maintenance and repairs	43,491,985
For interest on bonds, notes or scrip	0
For depreciation fund (5 %)	3,572,124
For sinking fund requirements	
For note payments	
For bond payments	
 For loss in preceding year	
TOTAL:	\$47,064,109
COST:	
Of gas to be used for municipal buildings	478,632
Of gas to be used for street lights	251
Of electricity to be used for municipal bldgs..	1,644,921
Of electricity to be used for street lights ...	75,267
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 ..	\$2,199,071

CUSTOMERS	
GAS:	
City or Town	Number of Customers Meters, Dec. 31
Middleboro	6,028
TOTAL:	6,028
ELECTRICITY:	
City or Town	Number of Customers Meters, Dec. 31
Middleboro	11,622
Lakeville	4,532
TOTAL:	16,154

Annual Report of:

For the year ended December 31, 2019

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 \$75,518

2. Municipal buildings \$2,123,553

TOTAL: \$2,199,071

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		Total	\$2,750,000				Total	\$0

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		December 1999	\$709,451	Varies	Monthly	4.06	Monthly	\$ -
4								Fully paid in 2003
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		Total	\$709,451				Total	\$ -

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

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	1. INTANGIBLE PLANT						
2							\$0
3		\$0	\$0	\$0	\$0	\$0	\$0
4	2. PRODUCTION PLANT						
5	A. Steam Plant Production						
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 Gene	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	Total Steam Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
15	B. Nuclear Production Plant						
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	Total Nuclear Production Plant	\$0	\$0	\$0	\$0	\$0	\$0

Middleborough Gas & 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	C. Hydraulic Production Plant						
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	Total Hydraulic Production Plant	\$0	\$0	\$0	\$0	\$0	\$0
10	D. Other Production Plant						
11	340 Land & Land Rights	\$0					\$0
12	341 Structures & Improvements	0	4,520				4,520
13	342 Fuel Holders. Producers & Acc	0					0
14	343 Prime Movers	0					0
15	344 Generators	2,882,381	46,331				2,928,712
16	345 Accessory Electric Equipment	0					0
17	346 Misc. Power Plant Equipment	0					0
18	Total Other Production Plant	\$2,882,381	\$50,851	\$0	\$0	\$0	\$2,933,232
19	TOTAL PRODUCTION PLANT	\$2,882,381	\$50,851	\$0	\$0	\$0	\$2,933,232
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	38,930	3,504,764				3,543,693
24	353 Station Equipment	1,839,075	43,008				1,882,082
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	Total Transmission Plant	\$4,450,746	\$3,547,771	\$0	\$0	\$0	\$7,998,518

Middleborough Gas & 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	4. DISTRIBUTION PLANT						
2	360 Land & Land Rights	\$116,551					\$116,551
3	361 Structures & Improvements	123,102					123,102
4	362 Station Equipment	1,203,781					1,203,781
5	363 Storage Battery Equipment	0					0
6	364 Poles, Towers & Fixtures	4,198,820	203,617	(60,000)			4,342,437
7	365 Overhead Conductors & Devices	14,913,395	905,817	(57,800)			15,761,412
8	366 Underground Conduit	298,989	6,699				305,687
9	367 Underground Conductors & Devices	2,672,151	143,908				2,816,060
10	368 Line Transformers	11,370,702	232,445	(20,000)			11,583,147
11	369 Services	2,002,589	85,149				2,087,738
12	370 Meters	2,354,804	35,800	(2,000)			2,388,604
13	371 Installations on Customer's Premises	0					0
14	372 Leased Property on Customer's Premises	0					0
15	373 Street Lighting & Signal Systems	727,332	66,786	(30,300)			763,818
16	Total Distribution Plant	\$39,982,216	\$1,680,221	(\$170,100)	\$0	\$0	41,492,338
17	4. GENERAL PLANT						
18	389 Land & Land Rights	\$0					\$0
19	390 Structures & Improvements	1,843,750	4,642	(3,500)			\$1,844,892
20	391 Office Furniture & Equipment	2,430,040	59,737	(39,800)			2,449,977
21	392 Transportation Equipment	2,410,875	401,977	(185,994)			2,626,858
22	393 Stores Equipment	0					0
23	394 Tools, Shop & Garage Equipment	484,984	73,721				558,705
24	395 Laboratory Equipment	96,013					96,013
25	396 Power Operated Equipment	291,429	35				291,465
26	397 Communication Equipment	1,246,340	176,786				1,423,127
27	398 Misc. Equipment	97,577					97,577
28	399 Other Tangible Property	0					0
29	Total General Plant	\$8,901,010	\$716,898	(\$229,294)	\$0	\$0	\$9,388,614
30	Total Electric Plant In Service	\$56,216,354	\$5,995,742	(\$399,394)	\$0	\$0	\$61,812,702
31	Total Cost of Electric Plant						\$61,812,702
32							
33	Less Cost of Land, Land Rights, Right of Way						(\$387,863)
34	Total Cost upon which Depreciation is based						\$61,424,839

Middleborough Gas & Electric

TOTAL COST OF PLANT -- GAS

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	adjustment (e)	transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2	301 Organization	\$0					\$0
3	303 Miscellaneous Intangible Plant	0					0
4	Total Intangible Plant	\$0	\$0	\$0	\$0	\$0	\$0
5	2. PRODUCTION PLANT						
6	A. Manufactured Gas Production Plant						
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	-					-
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. Other Processes	-					-
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	Total Manufactured Gas Production Plant	\$228,357	\$0	\$0	\$0	\$0	\$228,357
23	2. STORAGE PLANT						
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	Total Storage Plant	\$38,290	\$0	\$0	\$0	\$0	\$38,290

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & 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	UTILITY PLANT			
2	101 Utility Plant, Net - Electric (P.17)	\$16,260,394	\$19,364,447	\$3,104,052
3	101 Utility Plant, Net - gas (P.20)	2,660,475	2,604,133	(56,342)
4				-
5	Total Utility Plant, Net	18,920,869	21,968,579	3,047,710
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds			
13	126 Depreciation Fund (P. 14)	9,286,830	7,544,555	(1,742,276)
14	128 Other Special Funds	6,410,445	6,825,288	414,843
15	Total Funds	15,697,276	14,369,843	(1,327,432)
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14)	23,269,766	25,249,314	1,979,548
18	132 Special Deposits (Pension/OPEB)	7,748,661	7,912,431	163,769
19	135 Working Funds	2,961,702	3,020,127	58,425
20	141 Notes Receivable	-		
21	142 Customer Accounts Receivable	5,249,227	4,767,498	(481,729)
22	143 Other Accounts Receivable	-		
23	146 Receivables from Municipality	-		
24	151 Materials and Supplies (P.14)	2,181,751	1,962,788	(218,964)
25	163 Stores Expense	-		
26	165 Prepayments	201,422	203,007	1,585
27	174 Miscellaneous Current Assets	38,610	38,610	-
28	Total Current and Accrued Assets	41,651,139	43,153,774	1,502,635
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount	-	-	-
31	182 Extraordinary Property Losses			
32	185 Other Deferred Debits	2,498,824	5,599,247	3,100,423
33	Total Deferred Debits	2,498,824	5,599,247	3,100,423
34				
35	Total Assets and Other Debits	\$ 78,768,108	\$ 85,091,443	\$ 6,323,336

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & Electric

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	APPROPRIATIONS			
2	201 Appropriations for Construction	\$ -	\$ -	\$ -
3	SURPLUS			
4	205 Sinking Fund Reserves	-	-	-
5	206 Restricted for Other Employment Benefits Obligation	-	-	-
6	207 Appropriations for Construction Repayments	-	-	-
7	208 Unappropriated Earned Surplus (P.12)	46,010,293	48,828,374	2,818,081
8	Total Surplus	46,010,293	48,828,374	2,818,081
9	LONG TERM DEBT			
10	221 Bonds (P.6)			
11	231 Notes Payable (P.7)	-	-	-
12	Total Bonds and Notes	-	-	-
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable	4,148,413	3,878,007	(270,406)
15	234 Payables to Municipality			
16	235 Customer' Deposits	343,934	144,369	(199,565)
17	236 Taxes Accrued			
18	237 Interest Accrued			
19	242 Miscellaneous Current and Accrued Liabilities	1,959,711	1,968,724	9,013
20	Total Current and Accrued Liabilities	6,452,058	5,991,100	(460,957)
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt			
23	252 Customer Advances for Construction			
24	253 Other Deferred Credits	10,714,304	11,827,288	1,112,984
25	Total Deferred Credits	10,714,304	11,827,288	1,112,984
26	RESERVES			
27	260 Reserves for Uncollectible Accounts			
28	261 Property Insurance Reserve			
29	262 Injuries and Damages Reserves			
30	263 Pensions and Benefits	14,419,828	17,167,481	2,747,653
31	265 Miscellaneous Operating Reserves			
32	Total Reserves	14,419,828	17,167,481	2,747,653
33	CONTRIBUTIONS IN AID OF			
34	CONSTRUCTION			
35	271 Contributions in Aid of Construction	1,171,625	1,277,200	105,575
36				
37	Total Liabilities and Other Credits	\$ 78,768,108	\$ 85,091,443	\$ 6,323,336
38				
39	State below if any earnings of the municipal lighting plant have been used for any purpose other than			
40	discharging indebtedness of the plant, the purpose for which used, and the amount thereof.			
41				
42				
43				

Middleboro Gas & Electric

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P.37 and 43)	\$ 49,996,109	\$ 470,611
3	Operating Expenses:		
4	401 Operation Expense (P. 42 & 47)	40,418,686	(3,315)
5	402 Maintenance Expense (P. 42 and 47)	3,073,299	(317,513)
6	403 Depreciation Expense	3,637,549	127,339
7	407 Amortization of Property Losses	(65,425)	(13,175)
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	47,064,109	(206,664)
11	Operating Income	2,932,001	677,276
12	414 Other Utility Operating Income (P. 50)	37,482	13,787
13			
14	Total Operating Income	2,969,482	691,063
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)	142,142	(355,310)
17	419 Interest Income	486,802	170,133
18	421 Miscellaneous Nonoperating Income (Loss)	89,211	(150,311)
19	Total Other Income	718,155	(335,489)
20	Total Income	3,687,638	355,574
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization		
23	426 Other Income (Deductions)	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	3,687,638	355,574
26	INTEREST CHARGES		
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	NET INCOME	\$3,687,638	\$ 355,574

Annual Report of:

For the year ended December 31, 2019

Middleboro Gas & Electric

EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		\$ 46,010,293
35			
36			
37	433 Balance Transferred from Income		3,687,638
38	434 Miscellaneous Credits to Surplus (P. 21)		
39	435 Miscellaneous Debits to Surplus (P. 21)	869,557	
40	436 Appropriations of Surplus (P. 21) for OPEB	0	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)		48,828,374
43			
44	Totals	\$ 869,557	\$ 3,687,638

Middleboro Gas & 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	OPERATING INCOME				
2	400 Operating Revenues (P.37 and 43)	\$ 38,654,815	\$ (365,647)	\$ 11,341,295	\$ 836,258
3	Operating Expenses:				
4	401 Operation Expense (P. 42 & 47)	31,246,150	(749,538)	9,172,536	746,223
5	402 Maintenance Expense (P. 42 and 47)	2,429,965	(314,516)	643,334	(2,996)
6	403 Depreciation Expense	2,791,425	100,866	846,124	26,473
7	407 Amortization of Property Losses	(65,425)	(13,175)		0
8					
9	408 Taxes (P. 49)	0	0	0	0
10	Total Operating Expenses	36,402,114	(976,364)	10,661,995	769,699
11	Operating Income	2,252,700	610,717	679,300	66,559
12	414 Other Utility Operating Income (P. 50)	35,464	13,975	2,017	(188)
13					
14	Total Operating Income	2,288,165	624,692	681,318	66,371
15	OTHER INCOME				
16	415 Income from Merchandising, Jobbing and Contract Work (P.51)	117,031	(331,874)	25,111	(23,437)
17	419 Interest Income	409,510	146,198	77,292	23,935
18	421 Miscellaneous Nonoperating Income (Loss)	84,528	(132,133)	4,683	(18,178)
19	Total Other Income	611,070	(317,809)	107,086	(17,680)
20	Total Income	2,899,234	306,883	788,403	48,691
21	MISCELLANEOUS INCOME DEDUCTIONS				
22	425 Miscellaneous, net	0	0	0	0
23	426 Other Income (Deductions)	0	0		0
24	Total Income Deductions	0	0	0	0
25	Income Before Interest Charges	2,899,234	306,883	788,403	48,691
26	INTEREST CHARGES				
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	Total Interest Charges	0	0	0	0
33	NET INCOME	\$ 2,899,234	\$ 306,883	\$ 788,403	\$ 48,691

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & Electric

CASH BALANCES AT END OF YEAR (Account 131)			
Line No.	Items (a)	Amount (b)	
1	Operation Fund	\$	25,249,314
2	Pension Sinking Fund		7,912,431
3			
4	Construction Fund		0
5			
6			
7	Total		33,161,745
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)		27,213
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials & Operating Supplies (Account 154)	1,620,116	315,458
17	Merchandise (Account 155)		0
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	1,620,116	342,672
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year		9,286,830
26	Income during year from balance on deposit		143,986
27	Amount transferred from income		
28	Contribution In Aid of Construction		
29			
30	Depreciation Allowance		3,637,549
31		Total	13,068,365
32			
33			
34	CREDITS		
35	Amount expended for construction purposes (Sec. 57, C. 164 of G.L.)		5,523,810
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		7,544,555
45		Total	\$ 13,068,365
46			

Middleborough Gas & 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 Generators	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

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 & Gene	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		4,520				\$4,520
13	342 Fuel Holders, Producers & Accessories						\$0
14	343 Prime Movers						\$0
15	344 Generators	\$1,714,912	46,331	(\$307,824)			\$1,453,420
16	345 Accessory Electric Equipment						\$0
17	346 Misc. Power Plant Equipment						\$0
18	Total Other Production Plant	\$1,714,912	\$50,851	(\$307,824)	\$0	\$0	\$1,457,940
19	Total Production Plant	\$1,714,912	\$50,851	(\$307,824)	\$0	\$0	\$1,457,940
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	34,734	3,504,764	(6,235)		-	3,533,263
24	353 Station Equipment	590,861	43,008	(106,058)		-	527,810
25	354 Towers & Fixtures	0	-			-	0
26	355 Poles & Fixtures	13,751	-	(2,468)		-	11,282
27	356 Overhead Conductors & Devices	9,803	-	(1,760)		-	8,043
28	357 Underground Conduit	0	-			-	0
29	358 Underground Conductors & Dev	0	-			-	0
30	359 Roads & Trails	697	-			-	697
31	Total Transmission Plant	\$920,460	\$3,547,771	(\$116,521)	\$0	\$0	\$4,351,710

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
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
35						
36	BALANCE END OF YEAR		0	0	0	0
37						
38						
39						
40						

Middleborough Gas & 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	(0)	-				(0)
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	4,970	\$0	\$0	\$0	\$0	4,970
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	-

Middleborough Gas & Electric

UTILITY PLANT - GAS (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 AND DISTRIBUTION PLANT						
2	365.1 Land & Land Rights	5,895	-				5,895
3	365.2 Rights of Way	-	-				-
4	366 Structures and Improvements	-	-				-
5	376 Mains	953,423	503,197	(304,465)			1,152,154
6	368 Compressor Station Equipment	-	-				-
7	369 Measuring and Regulating Station Equipment	-	-				-
8		-	-				-
9	380 Services	733,166	39,875	(234,129)			538,912
10	381 Meters	301,730	39,367	(96,354)			244,742
11	382 Meter Installations	582	-	(186)			396
12	385 House Regulators	508	-	(162)			346
13	386 Other Property on Customers Premises	68	-	(22)			46
14	387 Other Equipment	39	-	(12)			26
15	Total Transmission and Distribution Plant	1,995,410	\$582,438	(\$635,330)	\$0	\$0	1,942,518
16	5. GENERAL PLANT						
17	389 Land & Land Rights	-	-				-
18	390 Structures & Improvements	148,004	70,821	(47,264)			171,561
19	391 Office Furniture & Equipment	264,808	58,859	(84,564)			239,104
20	392 Transportation Equipment	127,456	71,508	(40,702)			158,262
21	393 Stores Equipment	-	-				-
22	394 Tools, Shop & Garage Equipment	28,468	-	(9,091)			19,377
23	395 Laboratory Equipment	55,576	5,549	(17,748)			43,378
24	396 Power Operated Equipment	15,475	-	(4,942)			10,533
25	397 Communications Equipment	4,626	607	(1,477)			3,755
26	398 Miscellaneous Equipment	15,681	-	(5,007)			10,673
27	399 Other Tangible Property	-	-				-
28	Total General Plant	660,095	\$207,344	(\$210,794)	\$0	\$0	656,644
29	Total Gas Plant in Service	2,660,475	\$789,782	(\$846,124)	\$0	\$0	2,604,133
30	104 Utility Plant Leased to Others						-
31	106 Completed Construction Not Classified	-					-
32	107 Construction Work in Progress	-					-
33	Total Utility Plant Gas	2,660,475	\$789,782	(\$846,124)	\$0	\$0	2,604,133

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Middleborough Gas & Electric

MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	(a)	(b)
1	Electric Division Loss (Gain) on disposition	\$ (20,063)
2	Electric Division Grant Income	-
3	Electric Division Mutual Aid	(64,466)
4	Gas Division Loss (Gain) on disposition	(3,926)
5	Gas Division Mutual Aid	(758)
6		
	TOTAL	\$ (89,211)
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	869,557
25		
26		
27		
28		
29		
30		
31		
32		
	TOTAL	\$ 869,557
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	Net Pension Liability/Deferred Outflow	\$ -
35		
36		
37		
38		
39		
40		
	TOTAL	\$ -

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		36,928	\$ 478,883	\$ 12.9681	
2						
3						
4		Totals	36,928	\$ 478,883	12.9681	
		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)	11,428,737	\$ 1,644,921	\$ 0.1439	
6						
7						
8						
9						
10						
11						
12		Total	11,428,737	1,644,921	\$ 0.1439	
13	M-14	Street Lighting	332,758	75,267	\$ 0.2262	
14						
15						
16						
17						
18		Total	332,758	75,267	\$ 0.2262	
19						
20		Totals	11,761,495	\$ 1,720,188	\$ 0.1463	
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						
27						
28						
29						
30		See Pages 54 to 56				
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41			Totals	0	\$ -	#DIV/0!
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)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. the details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales Account 442, according to Small (or Commercial) and Large, (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	\$ 18,717,979	\$ (150,382)	125,718,507	(5,941,230)	14,119	253
3	442 Commercial & Industrial Sales						
4	Small (or Commercial) see instr. 5	12,234,281	(444,537)	81,530,574	(7,303,599)	1,895	43
5	Large (or Industrial) see instr. 5	5,528,968	216,661	43,504,532	544,728	16	-
6	444 Municipal Sales (P. 22)	1,644,921	45,751	11,428,737	(98,582)	124	2
7	445 Other Sales to Public Authorities	-	-	-	-	-	-
8	446 Sales to Railroads & Railways	-	-	-	-	-	-
9	448 Interdepartmental Sales	-	-	-	-	-	-
10	449 Miscellaneous Electric Sales (Streetlights)	200,938	(9,230)	709,968	(194,066)	1,091	7
11	Total Sales to Ultimate Consumers	38,327,087	(341,737)	262,892,318	(12,992,749)	17,245	305
12	447 Sales for Resale	-	-	-	-	-	-
13	Total Sales of Electricity	\$ 38,327,087	\$ (341,737)	262,892,318	(12,992,749)	17,245	305
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	\$ 266,187	\$ (25,113)				
16	451 Miscellaneous Service Revenues	61,540	1,204				
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	Total Other Operating Revenues	327,728	(23,909)				
26	Total Electric Operating Revenues	\$ 38,654,815	\$ (365,647)				

* Includes revenues from application of fuel clauses 4,925,907

Total KWH to which applied 258,174,078

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	124,675,268	\$ 18,562,512	0.1489	13,941	14,033
2	440	Res. Heat	1,043,239	155,467	0.1490	88	86
3	442	Comm. Light	20,548,637	3,342,053	0.1626	1,680	1,693
4	442	Comm. Heat	60,981,937	8,892,228	0.1458	202	202
5	443	Ind. Light	23,112	3,780	0.1635	2	2
6	443	Ind. Power	43,481,420	5,525,189	0.1271	14	14
7	444	Mun. Light	930,332	153,361	0.1648	96	96
8	444	Mun. Power	10,498,405	1,491,560	0.1421	28	28
9	444	Mun, St. Light	332,758	75,267	0.2262	42	36
10	444	Area St Light	377,210	125,671	0.3332	1,050	1,055
11							
12							
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46							
47							
48	TOTAL SALES TO ULTIMATE						
49	CONSUMERS (Page 37 line 11)		262,892,318	\$ 38,327,087	0.1458	17,143	17,245

Middleboro Gas & Electric

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	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	Total operation	-	-
13	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	Total maintenance	-	-
20	Total power production expenses - steam power	-	-
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam expenses		
27	521 Steam from other sources		None
28	522 Steam transferred - Cr.		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	Total operation	-	-
33	Maintenance:		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of structures		None
36	530 Maintenance of reactor plant equipment		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	Total maintenance	-	-
40	Total power production expenses - nuclear power	-	-
41	HYDRAULIC POWER GENERATION		
42	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		
	Total operation	\$ -	\$ -

Middleboro Gas & Electric

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	HYDRAULIC POWER GENERATION - continued		
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	Total maintenance	-	-
9	Total power production expenses - hydraulic power	-	-
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering	24,560	\$ 463
13	547 Fuel	11,466	(1,804)
14	548 Generation Expense	-	(8,250)
15	549 Miscellaneous other power generation expenses		
16	550 Rents		
17	Total operation	36,025	(9,591)
18	Maintenance:		
19	551 Maintenance supervision and engineering		
20	552 Maintenance of structures		
21	553 Maintenance of generating & electric plant	50,172	\$ 934
22	554 Maintenance of miscellaneous other power generation plant		
23	Total maintenance	50,172	934
24	Total power production expenses - other power	86,198	(8,657)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power	21,399,469	(1,347,497)
27	556 System control & load dispatching	-	-
28	557 Other expenses	923,755	369,596
29	Total other power supply expenses	22,323,224	(977,901)
30	Total power production expenses	\$ 22,409,422	\$ (986,557)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	\$ 159,496	\$ 1,841
34	561 Load dispatching	-	-
35	562 Station expenses	79,987	858
36	563 Overhead line expenses		-
37	564 Underground line expenses		-
38	565 Transmission of electricity by others	3,777,570	(262,737)
39	566 Miscellaneous transmission expenses		-
40	567 Rents		-
41	Total operation	4,017,053	(260,038)
42	Maintenance:		
43	568 Maintenance supervision and engineering	-	
44	569 Maintenance of structures	-	(22,105)
45	570 Maintenance of station equipment	-	-
46	571 Maintenance of overhead lines	66,463	(42,889)
47	572 Maintenance of underground lines	-	
48	573 Maintenance of miscellaneous transmission plant	-	
49	Total maintenance	66,463	(64,994)
50	Total transmission expenses	\$ 4,083,516	\$ (325,032)

Middleboro Gas & Electric

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	\$ 112,213	\$ 7,482
4	581 Load dispatching	-	-
5	582 Station expenses	326,958	(1,373)
6	583 Overhead line expenses	-	-
7	584 Underground line expenses	-	-
8	585 Street lighting & signal system expenses	-	-
9	586 Meter expenses	100,508	(4,087)
10	587 Customer installations expenses	-	-
11	588 Miscellaneous distribution expenses	388,647	(57,397)
12	589 Rentals	-	-
13	Total operation	928,325	(55,376)
14	Maintenance:		
15	590 Maintenance supervision and engineering	106,432	2,401
16	591 Maintenance of structures	-	-
17	592 Maintenance of station equipment	6,070	(4,460)
18	593 Maintenance of overhead lines	2,014,964	(245,228)
19	594 Maintenance of underground lines	7,606	(4,146)
20	595 Maintenance of line transformers	7,507	(36,903)
21	596 Maintenance of street lighting & signal systems	41,164	(15,487)
22	597 Maintenance of meters	4,785	4,735
23	598 Maintenance of miscellaneous distribution plant	124,801	48,630
24	Total maintenance	2,313,330	(250,457)
25	Total distribution expenses	\$ 3,241,655	\$ (305,833)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	-	-
29	902 Meter reading expenses	97,300	(921)
30	903 Customer records & collection expenses	769,704	34,321
31	904 Uncollectible accounts	177,521	(19,718)
32	905 Miscellaneous customer accounts expenses	-	-
33	909 Energy audit expense	200,553	73,483
34	Total customer accounts expenses	1,245,078	87,165
35	SALES EXPENSES		
36	Operation:		
37	911 Supervision	-	-
38	912 Demonstrating & selling expenses	-	-
39	913 Advertising expense	92,412	31,012
40	916 Miscellaneous sales expenses	-	-
41	Total sales expenses	92,412	31,012
42	ADMINISTRATIVE & GENERAL EXPENSES		
43	Operation:		
44	920 Administrative & general salaries	325,122	4,875
45	921 Office supplies & expenses	82,323	3,506
46	922 Administrative expenses transferred - Cr.	-	-
47	923 Outside services employed	52,598	(24,587)
48	924 Property insurance	261,214	8,420
49	925 Injuries & damages	169,351	(8,374)
50	926 Employee pension & benefits	1,539,838	446,986
51	928 Regulatory commission expenses	-	-
52	929 Duplicate charges - Cr.	-	-
53	930 Miscellaneous general expenses	91,980	3,123
54	931 Municipal services	81,607	1,241
55	Total operations	2,604,032	435,191

Middleboro Gas & Electric

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	ADMINISTRATIVE & GENERAL EXPENSES - continued		
2	Maintenance:		
3	933 Transportation expense	\$ -	\$ -
4	Total administrative & general expenses	2,604,032	435,191
5	Total Electric Operation & Maintenance Expenses	\$ 33,676,115	\$ (1,064,055)

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	36,025	50,172	\$86,198
12	Other Power Supply Expenses	22,323,224	-	22,323,224
13	Total Power Production Expenses	22,359,250	50,172	22,409,422
14	Transmission Expenses	4,017,053	66,463	4,083,516
15	Distribution Expenses	928,325	2,313,330	3,241,655
16	Customer Accounts Expenses	1,245,078		1,245,078
17	Sales Expenses	92,412		92,412
18	Administrative & General Expenses	2,604,032		2,604,032
19				
20	Total Electric Operation and Maintenance Expenses	\$ 31,246,150	\$ 2,429,965	\$ 33,676,115
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)

94%

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

\$ 4,316,387

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

41.7

Middleboro Gas & 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)
1	SALES OF GAS						
2	480 Residential Sales	\$ 5,072,547	\$ 358,712	352,308	(8,365)	5,310	146
3	481 Commercial & Industrial Sales:						
4	Small (or Commercial) see instr. 5	3,546,821	311,441	270,264	(3,289)	638	7
5	Large (or Industrial) see instr. 5	2,138,159	157,043	355,288	10,865	13	-
6	482 Municipal Sales (P. 22)	478,883	18,097	36,928	(2,490)	65	4
7	483 Other Sales	-	-	-	-	-	-
8	485 Intracompany Sales	11,920	(1,468)	1,990	(291)	1	-
9	Total Sales to Ultimate Consumers	11,248,331	843,824	1,016,778	(3,570)	6,027	157
10	483 Sales for Resale						
11	Total Sales of Gas	11,248,331	843,824	1,016,778	(3,570)	6,027	157
12	OTHER OPERATING REVENUES						
13	487 Forfeited Discounts	92,964	(7,566)				
14	488 Miscellaneous Service Revenues	-	-				
15	489 Revenues from Trans. of Gas of Other Natural Gas						
16	491 Rev. from Natural Gas Processed by Others						
17	493 Rent from Gas Property						
18	494 Interdepartmental Rents						
19	495 Other Gas Revenues	-	-				
20							
21	Total Other Operating Revenues	92,964	(7,566)				
22	Total Gas Operating Revenues	\$ 11,341,295	\$ 836,258				

Purchased	
Price Adj.	
Clauses	
	\$3,627,309
Fuel	
Clauses	
	685,541

* 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	480	Res. Gas	8,097	\$ 128,688	15.89	286	277
2	480	Res. Heat	344,211	4,943,859	14.36	4,954	5,033
3	481	Comm. Gas	33,419	430,203	12.87	92	92
4	481	Comm. Heat	236,845	3,116,619	13.16	546	546
5	482	Ind. Gas (Interruptible)	331,237	1,830,427	5.53	1	1
6	482	Ind. Heat	24,051	307,732	12.79	11	12
7	484	Mun. Gas	36,928	478,883	12.97	64	65
8	485	Intracompany	1,990	11,920	5.99	1	1
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46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (Page 43 line 9)		1,016,778	\$ 11,248,331	11.0627	5,955	6,027

GAS OPERATION AND MAINTENANCE EXPENSES			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) 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	None	
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	None	
14	707 Maintenance of boiler plant equipment		
15	708 Maintenance of other steam production plant		
16	Total maintenance	\$0	\$0
17	Total power production expenses - steam power	\$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 fuel	None	
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 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	Total operation	\$ -	\$ -
46	Maintenance:		
47	740 Maintenance supervision and engineering		
48	741 Maintenance of structures and improvements	\$ -	\$ -
49	742 Maintenance of production equipment		
50	Total maintenance	\$ -	\$ -
51	Total manufactured gas production	\$ -	\$ -
52			

GAS OPERATION AND MAINTENANCE EXPENSES -- Continued			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)
1	OTHER GAS SUPPLY EXPENSES		
2	Operation:		
3	804 Natural gas city gate purchases	\$ 6,214,503	\$ (642,751)
4	805 Other gas purchases		
5	806 Exchange gas		
6	807 Purchased gas expenses	63,110	10,945
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	455,000	1,120,000
11	Total other gas supply expenses	6,732,613	488,194
12	Total production expenses	\$ 6,732,613	\$ 488,194
13	LOCAL STORAGE EXPENSES		
14	Operation:		
15	840 Operation supervision and engineering	None	
16	841 Operation labor and expenses		
17	842 Rents		
18	Total operation	\$ -	\$ -
19	Maintenance:		
20	843 Maintenance supervision and engineering		
21	844 Maintenance of structures and improvement	39,301	(8,351)
22	845 Maintenance of gas holders		
23	846 Maintenance of other equipment		
24	Total maintenance	39,301	(8,351)
25	Total transmission and distribution expense	\$ 39,301	\$ (8,351)
26	TRANSMISSION AND DISTRIBUTION EXPENSES		
27	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	138,114	8,695
36	871 Distribution and Load Dispatching	181,055	35,883
37	874 Mains and services expense	151,685	2,755
38	878 Meter and house regulator expense	117,762	(4,724)
39	879 Customer installation expenses	227,873	44,108
40	880 Other expenses	238,202	(6,883)
41	881 Rents	83,958	23,872
42	Total operation	1,138,651	103,706
43	Maintenance:		
44	885 Maintenance supervision and engineering	167,940	8,167
45	886 Maintenance of structures and improvement	96,268	7,301
46	887 Maintenance of mains	21,528	(12,301)
47	888 Maintenance of compressor station equipment	-	-
48	889 Maintenance of measuring and regulation station equipment	67,012	18,396
49	892 Maintenance of services	173,393	(12,590)
50	893 Maintenance of meters and house regulator	-	-
51	894 Maintenance of other equipment	22,807	3,209
52	896 Maintenance of power operated equipment	55,084	(6,827)
53	Total maintenance	604,033	5,355
54	Total transmission expenses	\$ 1,742,683	\$ 109,061

GAS OPERATION AND MAINTENANCE EXPENSES -- Continued				
Line	Account (a)	Amount for Year (b)	Increase or (Decrease) Preceding Year (c)	
1	CUSTOMER ACCOUNTS EXPENSES			
2	Operation:			
3	901 Supervision	\$ -	\$ -	
4	902 Meter reading expenses	32,315	(426)	
5	903 Customer records & collection expenses	268,250	16,759	
6	904 Uncollectible accounts	59,174	(7,427)	
7	905 Miscellaneous customer accounts expenses	-	-	
8	Total customer accounts expenses	\$ 359,739	\$ 8,906	
9	SALES EXPENSES			
10	Operation:			
11	909 Energy Audit Project	22,855	(14,525)	
12	909 Communications expense	-	-	
13	912 Demonstrating and selling expenses	-	-	
14	913 Advertising expense	30,702	10,235	
15	916 Miscellaneous sales expenses	-	-	
16	Total sales expenses	\$ 53,557	\$ (4,290)	
17	ADMINISTRATIVE & GENERAL EXPENSES			
18	Operation:			
19	920 Administrative & general salaries	\$ 122,905	\$ 2,845	
20	921 Office supplies & expenses	27,546	1,359	
21	922 Administrative expenses transferred - Cr.	-	-	
22	923 Outside services employed	9,479	(16,112)	
23	924 Property insurance	87,071	2,807	
24	925 Injuries & damages	67,568	8,326	
25	926 Employee pension & benefits	513,280	148,995	
26	928 Regulatory commission expenses	-	-	
27	929 Duplicate charges - Cr.	-	-	
28	930 Miscellaneous general expenses	32,927	1,075	
29	931 Reimbursement from Municipal Services	27,202	414	
30	933 Transportation Expenses	-	-	
31	Total operations	887,977	149,707	
32	Maintenance:			
33	935 Maintenance of general plant	-	-	
34	Total administrative & general expenses	\$ 887,977	\$ 149,707	
35				
36	Total Gas Operation & Maintenance Expenses	\$ 9,815,870	\$ 743,227	
37				
38				
39				
40	SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSE			
41				
42	Functional Classification	Operation	Maintenance	
43	(a)	(b)	(c)	
44			Total	
45	Steam production	\$ -	\$ -	\$ -
46	Manufactured gas production	-	-	-
47	Other gas supply expenses	6,732,613	-	6,732,613
48	Total Production Expenses	6,732,613	-	6,732,613
49	Local storage expenses	-	39,301	39,301
50	Transmission and distribution expenses	1,138,651	604,033	1,742,683
51	Customer accounts expenses	359,739	-	359,739
52	Sales expenses	53,557	-	53,557
53	Administrative and general expenses	887,977	-	887,977
54				
55	Total Gas Operation and Maint. Expenses	\$ 9,172,536	\$ 643,334	\$ 9,815,870
56				
57	Ratio of Operating expenses to operating revenues			94%
58				
59	Total Salaries and Wages of gas department for year, including			
60	amounts charged to operating expenses, construction and other accounts			\$ 1,858,126
61				
62	Total number of employees of gas department at end of year including			
63	administrative, operating, maintenance, construction and other employees			17.3
64				

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	Mercuria Firm	S. Middleboro Border	535,610	\$ 5.0782	\$ 2,719,914		
23		Station Orifice Plate					
24	Mercuria Interruptible	S. Middleboro Border	327,663	\$ 4.5800	\$ 1,500,688		
25		Station Orifice Plate					
26	Mercuria Firm	Midd-Lakeville Town Line	62,287	\$ 7.4295	\$ 462,760		
27		Rotary Meter Measurement					
28							
29	Bay State Gas Co. Firm	Midd-Lakeville Town Line	-	\$ -	\$ -		
30	Note: Transport volumes included in	Rotary Meter Measurement					
31	Winter Peaking						
32							
33	Constellation / Engie / Firm	S. Middleboro Border	86,980	\$ 13.5937	\$ 1,182,379		
34	Distrigas	Station Orifice Plate					
35							
36	Constellation / Engie / Firm	Middleboro/Lakeville Town Line	14,150	\$ 14.4141	\$ 203,960		
37	Distrigas	Rotary Meter Measurement					
38							
39	Constellation / Engie / Firm	Trucked Liquefied Natural Gas to	11,262	\$ 12.8575	\$ 144,802		
40	Distrigas	MGED LNG Tank Storage					
41		Truck Scale					
42							
43		TOTALS	1,037,952	\$ 5.9873	\$ 6,214,503		
44							

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		\$ 35,464	none	\$ 35,464
3					
4	Gas Division - finance charges		2,017	none	2,017
5					
6	Note: Represents pole attachment fees, temporary charges, etc				
7					
8					
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49					
50					
51	Totals	\$ -	\$ 37,482	\$ -	\$ 37,482

Middleboro Gas & 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	117,031	1,520		\$ 118,551
4	Contract work				-
5	Commissions				-
6	Other (list according to major classes)				-
7	AVSG CNG Sales		23,591		23,591
8					-
9					-
10	Total Revenues	117,031	25,111	-	142,142
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					
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41					
42					
43					
44					
45					
46					
47					
48					
49					
50	Total Costs & Expenses	-	-	-	-
51	Net Profit (or Loss)	\$ 117,031	\$ 25,111	\$ -	\$ 142,142

Middleboro Gas & Electric

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges	Other Charges (n) **	Total (o)		
60 MINUTES		10,713,296	236,721	\$102,905		339,627	0.0317	1
60 MINUTES		54,905,353	1,180,268	\$77,512		1,257,780	0.0229	2
60 MINUTES		15,345,378	(79,615)	\$76,306		(3,309)	-0.0002	3
60 MINUTES		924,476	(19,498)	\$13,796		(5,701)	-0.0062	4
60 MINUTES		526	(40,406)	(\$81,432)		(121,838)	-231.6308	5
60 MINUTES		75,307	(149,999)	\$12,337		(137,662)	-1.8280	6
60 MINUTES		(18,512,360)	8,451,518	\$393,671		8,845,189	-0.4778	7
60 MINUTES		180,697,150		\$9,590,668		9,590,668	0.0531	8
60 MINUTES		16,232		\$0		-	0.0000	9
60 MINUTES		204,504		\$0		-	0.0000	10
60 MINUTES		7,008,875	(57,494)	\$649,590		592,096	0.0845	11
60 MINUTES		-		\$0		-	#DIV/0!	12
60 MINUTES		941,016	13,388	\$27,809		41,196	0.0438	13
60 MINUTES		82,796		\$8,729		8,729	0.1054	14
60 MINUTES		8,894,939		\$736,827		736,827	0.0828	15
60 MINUTES		-	-			-	#DIV/0!	16
60 MINUTES		4,088,305		\$255,868		255,868	0.0626	17
						-		18
						-		19
						-		20
						-		21
						-		22
						-		23
						-		24
						-		25
						-		26
	TOTALS:	265,385,794	9,534,884	11,864,585	-	21,399,469	0.0806	27

Middleboro Gas & Electric

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 Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
 3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1	ISO NEW ENGLAND		MIDDLEBORO	115kv	(615,086)	9,747,795	9,132,709	71,338
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				(615,086)	9,747,795	9,132,709	71,338

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NEW ENGLAND	ENERGY EXPENSE	71,338
14			
15			
16			
17			
18			
19			
20			
21	TOTAL		71,338

Middleboro Gas & Electric

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		
4	Nuclear		
5	Hydro		
6	Other		
7	Total Generation		0
8	Purchases		265,385,794
9		In (gross)	(615,086)
10	Interchanges	Out (gross)	9,747,795
11		Net (kwh)	9,132,709
12		Received	
13	Transmission for/by others (wheeling)	Delivered	
14		Net (kwh)	0
15	TOTAL		274,518,503
16	DISPOSITION OF ENERGY		
17	Sales to ultimate consumers (including interdepartmental sales):		
18	Sales for resale		262,892,318
19	Energy furnished without charge		
20	Energy used by the company (excluding station use):		158,970
21	Electric department only		71,480
22	Energy losses:		
23	Transmission and conversion losses		
24	Distribution losses	11,395,735	
25	Unaccounted for losses		
26	Total energy losses		11,395,735
27	Energy losses as percent of total on line 15	4.15%	
28			274,518,503

MONTHLY PEAKS AND OUTPUT

- | | |
|---|---|
| <p>1. 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.</p> <p>2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus 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.</p> | <p>3. State type of monthly peak reading (instantaneous 15 minutes integrated).</p> <p>4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.</p> <p>5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.</p> |
|---|---|

Month (a)	Monthly Peak					Type of Reading (f)	Monthly Output (kwh) (see instr. 4) (g)
	Kilowatts (b)	Day of wk (c)	Day of Month (d)	Hour (e)			
January	44,700	Monday	21	6 PM	Minute Integrated	24,038,585	
February	39,700	Tuesday	12	7 PM		20,739,489	
March	38,600	Wednesday	6	8 PM		21,678,654	
April	33,100	Tuesday	2	8 PM		19,143,523	
May	34,800	Monday	20	9 PM		19,596,190	
June	44,700	Friday	28	4 PM		21,686,155	
July	58,500	Tuesday	30	6 PM		28,937,826	
August	58,700	Monday	19	4 PM		27,087,024	
September	42,600	Wednesday	4	9 PM		21,533,350	
October	38,400	Monday	7	7 PM		22,543,961	
November	40,600	Monday	18	6 PM		23,291,864	
December	41,300	Monday	16	7 PM		24,241,882	
TOTAL:							274,518,503

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For the year ended December 31, 2019

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					

Annual Report of:

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Middleborough Gas & Electric

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.
2. Designate any plant leased from others, operated under a license from the Federal Power Commission,

or operated as a joint facility, and give a concise statement of the facts in a footnote.
3. List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.
4. Specify if total plant capacity is reported in kva instead of kilowatts.

5. If peak demand for 60 minutes is not available, give that which is available, specifying period.
6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

Line No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0.00 (l)
								Labor (h)	Fuel (i)	Other (j)		
1	S.Midd Regulator Station	2015	2000 kW	1984 kW	204,474 kWh	2,449,000					NG	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28	TOTALS				227,693.00	2,449,000						

Report of :

For the year ended December 31, 2019

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	5.18		1	636 MCM ACSR
2				Steel	0.38			
3	Titicut St	Summer St	115,000	Wood	1.83		1	795 MCM ACSR
4				Davit Arm				
5	Summer St.	Wareham St	115,000	Wood	3.69		1	795 MCM ACSS
6				Davit Arm				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
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33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	TOTALS				11.08	0	3	

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

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & Electric

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less than 5000 KVA, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name & Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in KVA (in service) (f)	Number of Transformers (in service) (g)	Number of Spare Transformers (h)	Conversion Apparatus & Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				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											
8											
9											
10											
11											
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31											
32											
33											
34											
35											
36											
37											
38											
39						TOTALS	100,000	3	0		0

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & Electric

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		Distribution System Characteristics - A.C. or D.C., phase, cycles & operating voltages for Light & Power.			
9					
10		Primary System is 13,800 GRDY/7970 Volts three phase 60 cycles A.C..			
11					
12					
13					
14					
15					

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (KVA)
16	Number at beginning of year	17,429	17,429	3,700	204,249.5
17	Additions during year:				
18	Purchased		111	78	9,845.0
19	Installed	111			
20	Associated with utility plant acquired				
21	Total additions	111	111	78	9,845.0
22	Reductions during year:				
23	Retirements	21	21	33	797.5
24	Associated with utility plant sold				
25	Total reductions	21	21	33	797.5
26	Number at End of Year	17,519	17,519	3,745	213,297.0
27	In stock		1,352	200	
28	Locked meters on customers' premises				
29	Inactive transformers on system			0	0.0
30	In customers' use		16,154	3,539	
31	In company's use		13	6	
32	Number at End of Year		17,519	3,745	0.0

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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					
2	Middleboro	0.2270	0.2270	13,800		
3	Local underground in center of town					
4	Middleboro	2.6870	2.6870	120/208		
5						
6	Wareham St. Substation, Middleboro	0.4000	0.7000	13,800		
7	Various Highway Crossings	1.6560	1.6560	13,800		
8	Various Developments - Buried	0.0000	3.3900	7,970		
9	Tinkham Lane & Ashley Place, Lakeville	0.0130	0.0165	120/240		
10	Lakeport Park (off Harding St.) Lakeville	0.0198	0.2370	13,800		
11	Lakeport Park (off Harding St.) Lakeville	0.0110	0.0110	277/480		
12	Various Commercial Developments	3.3900	3.3900	13,800		
13	Various Residential Developments - Ducted	40.9645	47.4945	7,970		
14	Various Developments - Buried	6.8900	21.1802	7,970		
15	New 2004	7.9417	9.2075	7,970		
16	New 2005	3.0500	3.0500	7,970	single phase	
17	New 2005			13,800	phase to phase	
18	New 2006	2.8300	2.8300	13,800		
19	New 2007	4.8400	4.8400	13,800		
20	New 2008	0.0300	0.0300	13,800		
21	New 2009	1.8200	1.8200	13,800		
22	New 2012	1.0100	1.0100	13,800		
23	New 2013	0.4600	0.4600	13,800		
24	New 2014	0.6700	0.6700	13,800		
25	New 2015	1.8200	1.8200	13,800		
26	New 2016	1.9400	1.9400	13,800		
27	New 2017	2.3000	2.3000	13,800		
28	New 2018	1.4200	0.7100	13,800		
29	New 2019	1.5730	1.5730	13,800		
30						
31						
32						
33						
34	TOTALS	87.9630	113.2497			0

* 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		Sodium		LED	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Middleboro	1,751				2	82	101	1,108	458
2										
3	Lakeville	377						19	97	261
4										
5										
6										
7										
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41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	2,128	0	0	0	2	82	120	1,205	719

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	Gas Made						
2							
3					NONE		
4							
5							
6							
7	TOTAL	0	0	0	0	0	0
8							
9	Gas Purchased						
10	Natural	1,037,952	154,172	132,015	126,752	80,512	61,933
11	Other	0	0	0	0	0	0
12							
13	TOTAL	1,037,952	154,172	132,015	126,752	80,512	61,933
14							
15	TOTAL MADE AND PURCHASED	1,037,952	154,172	132,015	126,752	80,512	61,933
16							
17	Net Change in Holder						
18	GasLNG.....	(210)	(1,694)	1,111	617	(402)	(192)
19							
20	TOTAL SENDOUT	1,037,742	152,478	133,126	127,369	80,110	61,741
21							
22							
23							
24	Gas Sold	1,014,541	149,479	131,754	108,493	75,085	54,510
25	Gas Used by Company	3,588	489	297	340	132	82
26	Gas Accounted for	1,018,129	149,968	132,051	108,833	75,217	54,592
27	Gas Unaccounted for	19,613	2,510	1,075	18,536	4,893	7,149
28							
29	% Unaccounted for (0.00%)	1.89%	1.65%	0.81%	14.55%	6.11%	11.58%
30							
31							
32	Sendout in 24 hours in MCF						
33	Maximum - MCF	7,203	7,203	6,154	5,652	4,121	2,980
34	Maximum Date	1/21	1/21	2/1	3/6	4/1	5/14
35	Minimum - MCF	516	3,212	3,195	2,044	1,647	1,358
36	Minimum Date	7/14	1/24	2/4	3/30	4/14	5/26
37							
38							
39							
40					1,028	per Cubic Foot	
41							

Annual Report of:

For the year ended December 31, 2019

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							
SCRUBBERS, CONDENSERS AND EXHAUSTERS. 24 HOUR CAPACITY (MCF)							
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							
PURIFIERS							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							
HOLDER (Including Relief Holders).							
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							

Annual Report of:

For the year ended December 31, 2019

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"	25,816		(97)	(340)	25,379
3	6"	6,218		(74)	(44)	6,100
4	8"	1,667		(12)	(1,655)	0
5	Total C.I.	33,701	0	(183)	(2,039)	31,479
6						
7	1"	1,479				1,479
8	1 1/2"	0				0
9	2"	22,055				22,055
10	3"	0				0
11	4"	27,075				27,075
12	6"	13,740				13,740
13	8"	49,150				49,150
14	Total Welded					
15	Steel	113,499	0	0	0	113,499
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"	2,222				2,222
25	1 1/8"	11,468	767			12,235
26	2"	170,154	798	(6)		170,946
27	3"	5,644				5,644
28	4"	115,262	1,263			116,525
29	6"	91,058	1,754		(20)	92,792
30	8"	21,490	1,658			23,148
31	Total Plastic	417,298	6,240	(6)	(20)	423,512
32						
33	Total	565,176	6,240	(189)	(2,059)	569,168

Normal Operating Pressure - Mains and Lines - Maximum 60 psig
Minimum 7" W.C
Normal Operating Pressure - Services - Maximum 60 psig
Minimum 7" W.C

Annual Report of:

For the year ended December 31, 2019

Middleborough Gas & Electric

GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS				
Line No.	Item	Gas Services	House Governors	Meters
1	Number at beginning of Year	4,853	5,337	6,122
2	Additions during year:			
3	Purchased		43	348
4	Installed	43		
5	Associated with Plant acquired ..			
6				
7	Total Additions	43	43	348
8				
9	Reductions during year:			
10	Retirements	(6)	(36)	(45)
11	Associated with plant sold			
12				
13	Total Reductions	(6)	(36)	(45)
14				
15	Number at End of Year	4,890	5,344	6,425
16				
17				
18	In Stock			326
19	On Customers' Premises - Inactive			63
20	On Customers' Premises - Active			6,028
21	In Company Use			8
22				
23	Number at End of Year			6,425
24				
25				
26	Number of Meters Tested by State Inspectors			
27	During Year			978
28				
29				

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	07/01/90	143	Outdoor Gas Lighting Service Schedule GL		
2	05/01/99	153	Backup & Standby Service		
3	03/01/09	159	Revised Load Retention Rate LR		
4	11/09/10	160	Renewable Energy Buyback Rate		
5	11/01/14	161	Residential Electric Service - R-1 & R-6		
6	11/01/14	163	NYPA Hydropower Credit		
7	11/01/14	165	Comm & Ind General Service - C-2, C-3, I-4 & I-5		
8	11/01/14	166	General Service Demand - Schedules C-41, I-41		
9	11/01/14	167	Large General Service - Schedules C-40, I-40		
10	11/01/14	168	Purchase Power Adjustment - PPA		
11	11/01/14	169	Residential Gas Service R-11, R-19 & R-70		
12	11/01/14	171	Comm & Ind Gas General Service C-12, I-14		
13	11/01/14	172	Comm & Ind Gas Heating Service C-13, I-15		
14	11/01/14	173	Comm & Ind Gas Air Conditioning Service A/C 18		
15	11/01/14	174	Purchased Gas Adjustment - PGA Clause		
16	05/01/15	177	Renewable Distributed Generation Tariff		
17	07/01/17	179	Firm Transmission Service - Schedule - FTS		
18	07/01/17	180	Interruptible Transmission Service - Schedule - ITS		
19	09/01/17	181	Area St. Lighting - SL-60		
20	09/01/17	182	Municipal LED Street Lighting Rate		
21	02/01/18	183	Revised Net Metering Tariff		
22	03/01/18	184	Solar Community Rate (SC) (BSC)		
23	11/01/18	185	Solar Community Rate II-MGED SC-II		
24	11/01/18	186	MGED Electric Terms & Conditions		
25	11/01/18	187	MGED Gas Terms & Conditions		
26	04/01/19	162	Cancelled and Replaced with MDPU 188		
27	04/01/19	188	Residential Electric General & Heating Service Elderly - R-10 & R-91		
28	04/01/19	170	Cancelled and Replaced with MDPU 189		
29	04/01/19	189	Residential Gas Service - Elderly R-88, R-89 & R-96		
30	09/01/19	190	Renewable Energy Rate (RER)		
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THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor,
Jacqueline L Crowla _____
Manager of Electric Light

Daniel E. Farley

Ellen M. Farley

Thomas E. Murphy

John F. Healey

Selectmen
or
Members
of the
Municipal
Light
Board

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.

Middleborough Gas & Electric

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor,

Manager of Electric Light

Paul J. [Signature]

Selectmen
or
Members
of the
Municipal
Light
Board

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH
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