



**The Commonwealth of Massachusetts**

**RETURN**

OF THE

**MUNICIPAL GAS & LIGHTING PLANT**

OF THE

**TOWN OF WAKEFIELD**

TO THE

**DEPARTMENT OF PUBLIC UTILITIES**

OF MASSACHUSETTS

**For the Year Ended December 31,**

**2022**

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

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## TABLE OF CONTENTS

	Page
General Information	3
Schedule of Estimates	4
Customers in each City or Town	4
Appropriations Since Beginning of Year	5
Changes in the Property	5
Bonds	6
Town Notes	7
Cost of Plant	8-9
Comparative Balance Sheet	10-11
Income Statement	12
Earned Surplus	12
Cash Balances	14
Materials and Supplies	14
Depreciation Fund Account	14
Utility Plant-Electric	15-17
Production Fuel and Oil Stocks	18
Miscellaneous Nonoperating Income	21
Other Income Deductions	21
Miscellaneous Credits to Surplus	21
Miscellaneous Debits to Surplus	21
Appropriations of Surplus	21
Municipal Revenues	22
Purchased Power	22
Sales for Resale	22
Electric Operating Revenues	37
Sales of Electricity to Ultimate Consumers	38
Electric Operation and Maintenance Expenses	39-42
Taxes Charged During Year	49
Other Utility Operating Income	50
Income from Merchandising, Jobbing and Contract Work	51
Sales for Resale	52-53
Purchased Power (except Interchange)	54-55
Interchange Power	56
Electric Energy Account	57
Monthly Peaks and Output	57
Generating Station Statistics	58-59
Steam Generating Stations	60-61
Hydroelectric Generating Stations	62-63
Combustion Engine and Other Generating Stations	64-65
Generating Statistics (Small Stations)	66
Transmission Line Statistics	67
Substations	68
Overhead Distribution Lines Operated	69
Electric Distribution Services, Meters, and Line Transformers	69
Conduit, Underground Cable and Submarine Cable	70
Streetlamps	71
Rate Schedule Information	79
Signature Page	81

FOR GAS PLANTS ONLY:	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House	
Record of Sendout for the Year in MCF	72-73	Governors and Meters	78

PAGES INTENTIONALLY OMITTED : 23 TO 36, 74 TO 76, 80



Annual Report of the Wakefield Municipal Gas & Light Department

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

Line No.		Amount
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas	11,519,000
2	From sales of electricity	29,780,000
3		<b>TOTAL</b>
4		41,299,000
<b>EXPENSES</b>		
6	For operation, maintenance and repairs	35,983,000
7	For interest on bonds, notes or scrip	373,600
8	For depreciation fund ( 5% 109,753,102 excludes land as per page 8 & 9 )	5,487,655
9	For sinking fund requirements	-
10	For note payments	2,381,800
11	For bond payments	-
12	For loss in preceding year	-
13		<b>TOTAL</b>
14		44,226,055
<b>COST:</b>		
16	Of gas to be used for municipal buildings	872,000
17	Of gas to be used for street lights	-
18	Of electricity to be used for municipal buildings	1,395,000
19	Of electricity to be used for street lights	188,200
20	Total of above items to be included in the tax levy	<b>TOTAL</b>
21		2,455,200
22	New construction to be included in the tax levy	-
23	Total amounts to be included in the tax levy	2,455,200

**CUSTOMERS**

Names of cities or towns in which the plant supplies <b>GAS</b> , with the number of customers' meters in each.		Names of cities or towns in which the plant supplies <b>ELECTRICITY</b> , with the number of customers' meters in each.	
City or Town	Number of Customers' Meters December 31.	City or Town	Number of Customers' Meters, December 31.
Wakefield	7,286	Wakefield	13,286
<b>TOTAL</b>	7,286	<b>TOTAL</b>	13,286

**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				
*At	meeting	20	, to be paid from {	
*At	meeting	20	, to be paid from {	
				TOTAL <u>0</u>

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

1.	Street lights	188,200
2.	Municipal buildings	2,450,000
3.		
		TOTAL <u>2,638,200</u>

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

**CHANGES IN THE PROPERTY**

- 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:**

The Department continues to upgrade its 5kV system to 13.8 kV resulting in improved system reliability. WMGLD will continue upgrading existing 5kV up to 13.8 kV into the foreseeable future.

WMGLD has continued to replace air circuit breakers, replacement will allow us to continue to utilization of current substation configuration to its full potential well into the future.

During calendar year 2022 WMGLD replaced and converted a large 4kV distribution circuit including Burns Substation ( 4kV substation ) and began sitework at the Burns Station to retire & restore.

Additionally, WMGLD continues the the upgrade of both gas & electric meter reading technologies and equipment to allow remote data collection. Significant efficiencies in the form of reduced vehicle rolls and diminution of labor costs have been the benefits of the AMR project.

Calendar year 2022 WMGLD continued to expand and revise energy efficiency programs

**In Gas property:**

WMGLD continues to take gas through the new meter and regulator facility.

The replacement program for cast iron mains with plastic mains as well as upgrading & replacing bare steel gas service lines with plastic lines is progressing as scheduled

Additionally, WMGLD continues its aggressive leak detection efforts resulting in identification, repair, and replacement of leaking mains & services.

Calendar year 2022 WMGLD completed all regulator station upgrades & replacements

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
July 1894	Oct, 1894	\$ 180,000					\$ -
May, 1904	Jul, 1904	10,000					-
May, 1909	Jun, 1909	25,000					-
Nov, 1920	Dec, 1920	25,000					-
Apr, 1922	Oct, 1922	45,000					-
Dec, 1922	Mar, 1923	50,000					-
Jun, 1923	Jul, 1923	25,000					-
Jun, 1923	Jul, 1923	30,000					-
Mar, 1924	Aug, 1924	45,000					-
Mar, 1925	Aug, 1925	20,000					-
Oct, 1951	Apr, 1952	90,000					-
Mar, 1971	Sep, 1971	300,000					-
Mar, 1971	Jul, 1972	700,000					-
Mar, 1971	Oct, 1972	250,000					-





		<b>TOTAL COST OF PLANT - ELECTRIC</b>					
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c) or (d) as appropriate.				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						NONE
2							
3							
4		-	-	-	-	-	-
5	2. PRODUCTION PLANT						NONE
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	-	-	-	-	-	-
16	B. Nuclear Production Plant						NONE
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	-	-	-	-	-	-

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						NONE
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	-	-	-	-	-	-
10	D. Other Production Plant						
11	340 Land and Land Rights						-
12	341 Structures and Improvements	5,131,426	-	-			5,131,426
13	342 Fuel Holders, Producers and Accessories						-
14	343 Prime Movers						-
15	344 Generators						-
16	345 Accessory Electric Equipment						-
17	346 Miscellaneous Power Plant Equipment						-
18	Total Other Production Plant	5,131,426	-	-	-	-	5,131,426
19	Total Production Plant	5,131,426	-	-	-	-	5,131,426
20	3. Transmission Plant						NONE
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	-	-	-	-	-	-

TOTAL COST OF PLANT - ELECTRIC (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	208,522	-				208,522
3	361 Structures and Improvements	6,611,504	-	-			6,611,504
4	362 Station Equipment	14,090,164	173,305	758,595			<b>13,504,874</b>
5	363 Storage Battery Equipment	3,484,749	-	-			3,484,749
6	364 Poles Towers and Fixtures	2,782,372	113,020	5,371			2,890,021
7	365 Overhead Conductors and Devices	9,341,621	276,117	72,825			9,544,913
8	366 Underground Conduit	3,755,507	-	-			3,755,507
9	367 Underground Conductors and Devices	8,413,319	49,092	680,755	460,634		8,242,290
10	368 Line Transformers	4,543,539	320,842	167,942			4,696,439
11	369 Services	1,233,187	7,450	20,519			1,220,118
12	370 Meters	1,245,367	59,452	8,200			1,296,619
13	371 Installations on Customer's Premises	111,348	-	4,410			106,938
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	1,473,835	22,173	1,960			1,494,048
16	Total Distribution Plant	57,295,034	1,021,451	1,720,577	460,634	-	57,056,542
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-			500
19	390 Structures and Improvements	-	-	-			-
20	391 Office Furniture and Equipment	171,972	-	3,996			167,976
21	392 Transportation Equipment	1,176,313	-	28,346			1,147,967
22	393 Stores Equipment	12,460	-	-			12,460
23	394 Tools, Shop and Garage Equipment	106,298	25,675	1,067			130,906
24	395 Laboratory Equipment	3,475	-	3,475			-
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	930,769	37,837	-			968,606
27	398 Miscellaneous Equipment	86,709	4,652	-			91,361
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	2,488,496	68,164	36,884	-	-	2,519,776
30	Total Electric Plant in Service	64,914,956	1,089,615	1,757,461	460,634	-	64,707,744
31							Total Cost of Electric Plant.....
33							64,707,744
34							Less Cost of Land, Land Rights, Rights of Way.....
							209,022
							Total Cost upon which Depreciation is based .....
							64,498,722

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

<p><b>TOTAL COST OF PLANT - GAS</b></p> <p>1. Report below the cost of utility plant in service according to prescribed accounts</p> <p>2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.</p> <p>3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.</p> <p>4. Reclassifications or transfers within utility plant accounts should be shown in column (f).</p>							
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	365 Land and Land Rights	218,905	-	-			218,905
3	366 Structures and Improvements	2,283,574	45,500	-			2,329,074
4	367 Mains	25,995,944	1,257,997	89,125			27,164,816
5	369 Measuring & Regulating Equipment	1,474,854	399,010	305,718			1,568,146
6	380 Services	9,426,704	737,712	474,096			9,690,320
7	381 Meters	1,261,091	7,440	42,416			1,226,115
8	382 Meter Installation	2,340,613	531,601	335,213			2,537,001
16	Total Distribution Plant	43,001,685	2,979,260	1,246,568	-	-	44,734,377
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-			500
19	390 Structures and Improvements	-	-	-			-
20	391 Office Furniture and Equipment	47,387	-	-			47,387
21	392 Transportation Equipment	91,433	43,595	24,195			110,833
22	393 Stores Equipment	3,848	-	-			3,848
23	394 Tools, Shop and Garage Equipment	253,642	5,570	14,658			244,554
24	395 Laboratory Equipment	36,550	-	32,600			3,950
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	254,149	-	-			254,149
27	398 Miscellaneous Equipment	45,017	29,170	-			74,187
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	732,526	78,335	71,453	-	-	739,408
30	Total Cost Gas Plant in Service	43,734,211	3,057,595	1,318,021	-	-	45,473,785
31							Total Cost of Gas Plant..... 45,473,785
33							Less Cost of Land, Land Rights, Rights of Way..... 219,405
34							Total Cost upon which Depreciation is based ..... 45,254,380

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

## Annual Report of the Town of Wakefield Municipal Gas &amp; Light Department

<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
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 - Electric (P. 17)	24,805,281	23,563,369	(1,241,912)	
3	101 Utility Plant - Gas (P. 20)	26,511,937	27,001,468	489,531	
4					
5	Total Utility Plant	51,317,218	50,564,837	(752,381)	
6					
7					
8					
9					
10					
11	<b>FUND ACCOUNTS</b>				
12	125 Sinking Funds	360,156	366,700	6,544	
13	126 Depreciation Fund (P. 14)	185,705	187,402	1,697	
14	128 Other Special Funds	-	-	-	
15	Total Funds	545,861	554,102	8,241	
16	<b>CURRENT AND ACCRUED ASSETS</b>				
17	131 Cash (P. 14)	(4,083,411)	(8,884,241)	(4,800,830)	
18	132 Special Deposits	1,456,472	1,511,567	55,095	
19	135 Working Funds	700	700	-	
20	141 Notes Receivable	-	-	-	
21	142 Customer Accounts Receivable	4,157,487	5,060,722	903,235	
22	143 Other Accounts Receivable	1,570,538	1,400,846	(169,692)	
23	146 Receivables from Municipality	-	-	-	
24	151 Materials and Supplies (P. 14)	1,275,561	1,627,790	352,229	
25		-	-	-	
26	165 Prepayments	5,066,198	5,489,817	423,619	
27	174 Miscellaneous Current Assets	-	-	-	
28	Total Current and Accrued Assets	9,443,545	6,207,201	(3,236,344)	
29	<b>DEFERRED DEBITS</b>				
30	181 Unamortized Debt Discount	-	-	-	
31	182 Extraordinary Property Losses	-	-	-	
32	185 Other Deferred Debits	828,633	921,863	93,230	
33	Total Deferred Debits	828,633	921,863	93,230	
34					
35	Total Assets and Other Debits	62,135,257	58,248,003	(3,887,254)	

## Annual Report of the Town of Wakefield Municipal Gas &amp; Light Department

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
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	360,156	366,654	6,498	
5	206 Loans Repayment	-	-	-	
6	207 Appropriations for Construction Repayments	-	-	-	
7	208 Unappropriated Earned Surplus (P. 12)	29,233,189	28,652,712	(580,477)	
8	Total Surplus	29,593,345	29,019,366	(573,979)	
9	<b>LONG TERM DEBT</b>				
10	221 Bonds (P. 6)	-	-	-	
11	231 Notes Payable (P. 7)	15,209,531	12,737,930	(2,471,601)	
12	Total Bonds and Notes	15,209,531	12,737,930	(2,471,601)	
13	<b>CURRENT AND ACCRUED LIABILITIES</b>				
14	232 Accounts Payable	113,018	8,539	(104,479)	
15	234 Payables to Municipality	-	-	-	
16	235 Customers' Deposits	1,456,472	1,511,567	55,095	
17	236 Taxes Accrued	-	-	-	
18	237 Interest Accrued	-	-	-	
19	242 Miscellaneous Current and Accrued Liabilities	803,409	730,308	(73,101)	
20	Total Current and Accrued Liabilities	2,372,899	2,250,414	(122,485)	
21	<b>DEFERRED CREDITS</b>				
22	251 Unamortized Premium on Debt	-	-	-	
23	252 Customer Advances for Construction	-	-	-	
24	253 Other Deferred Credits	10,985,330	10,308,349	(676,981)	
25	Total Deferred Credits	10,985,330	10,308,349	(676,981)	
26	<b>RESERVES</b>				
27	260 Reserves for Uncollectible Accounts	255,214	213,006	(42,208)	
28	261 Property Insurance Reserve	-	-	-	
29	262 Injuries and Damages Reserves	-	-	-	
30	263 Pensions and Benefits Reserves	-	-	-	
31	265 Miscellaneous Operating Reserves	-	-	-	
32	Total Reserves	255,214	213,006	(42,208)	
33	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>				
34	271 Contributions in Aid of Construction	3,718,938	3,718,938	-	
35	Total Liabilities and Other Credits	62,135,257	58,248,003	(3,887,254)	

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

Annual Report of the Town of Wakefield Municipal Gas & Light Department

<b>STATEMENT OF INCOME FOR THE YEAR</b>			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	43,073,678	1,278,143
3	Operating Expenses:		
4	401 Operation Expense (P. 42 and 47)	32,994,621	1,328,808
5	402 Maintenance Expense	2,488,070	842,616
6	403 Depreciation Expense	5,411,037	1,344,113
7	407 Amortization of Property Losses	-	-
8			
9	408 Taxes (P. 49)	753,757	(64,680)
10	Total Operating Expenses	41,647,485	3,450,857
11	Operating Income	1,426,193	(2,172,714)
12	414 Other Utility Operating Income (P. 50)	-	-
13			
14	Total Operating Income	1,426,193	(2,172,714)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	(28,245)	(710,352)
17	419 Interest Income	(5,476)	(52,870)
18	421 Miscellaneous Nonoperating Income (P. 21)	-	-
19	Total Other Income	(33,721)	(763,222)
20	Total Income	1,392,472	(2,935,936)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	-	-
23	426 Other Income Deductions	-	-
24	Total Income Deductions	-	-
25	Income Before Interest Charges	1,392,472	(2,935,936)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	-	-
28	428 Amortization of Debt Discount and Expense	-	-
29	429 Amortization of Premium on Debt - Credit	-	-
30	431 Other Interest Expense	383,555	(65,491)
31	432 Interest: Charged to Construction - Credit	-	-
32	Total Interest Charges	383,555	(65,491)
33	<b>NET INCOME</b>	1,008,917	(2,870,445)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		29,233,189
35			
36			
37	433 Balance Transferred from Income		1,008,917
38	434 Miscellaneous Credits to Surplus (P. 21)		410,265
39	435 Miscellaneous Debits to Surplus (P. 21)	938,839	
40	436 Appropriations of Surplus (P. 21)	6,544	
41	437 Surplus Applied to Depreciation	1,054,276	
42	208 Unappropriated Earned Surplus (at end of period)	28,652,712	
43			
44	<b>TOTALS</b>	30,652,371	30,652,371

STATEMENT OF INCOME FOR THE YEAR					
Line No.	Account (a)	Electric		Gas	
		Current Year	Increase or (Decrease) from Preceding Year	Current Year	Increase or (Decrease) from Preceding Year
1	<b>OPERATING INCOME</b>				
2	400 Operating Revenue (P. 37 and P. 43)	\$ 31,208,861	\$ 3,677,360	\$ 11,864,817	\$ 1,954,079
3	Operating Expenses:				
4	401 Operation Expense (P.42)	22,798,146	4,239,081	10,196,475	3,655,819
5	402 Maintenance Expense (P. 42)	1,824,053	471,761	664,017	184,401
6	403 Depreciation Expense	3,235,297	48,950	2,175,740	107,404
7	407 Amortization of Property Losses				
8					
9	408 Taxes (P. 49)	648,188	47,782	105,569	8,359
10	Total Operating Expenses	28,505,684	4,807,574	13,141,801	3,955,983
11	Operating Income	2,703,177	(1,130,214)	(1,276,984)	(2,001,904)
12	414 Other Utility Operating Income (P.50)				
13					
14	Total Operating Income	2,703,177	(1,130,214)	(1,276,984)	(2,001,904)
15	<b>OTHER INCOME</b>				
16	415 Inc. from Merch., Jobbing, and Contract Work	(56,970)	(54,842)	28,725	21,853
17	419 Interest Income	(11,781)	(30,277)	6,305	5,591
18	421 Miscellaneous Income				
19	Total Other Income	(68,751)	(85,119)	35,030	27,444
20	Total Income	2,634,426	(1,215,333)	(1,241,954)	(1,974,460)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>				
22	425 Miscellaneous Amortization				
23	426 Other Income Deductions				
24	Total Income Deductions	-	-	-	-
25	Income before Interest Charges	2,634,426	(1,215,333)	(1,241,954)	(1,974,460)
26	<b>INTEREST CHARGES</b>				
27	427 Interest on Bonds and Notes	-	-		
28	428 Amortization of Debt Discount and Expense	-	-		
29	429 Amortization of Premium on Debt	-	-		
30	431 Other Interest Expense	383,281	(46,660)	274	(681)
31	432 Interest Charged to Construction-Credit				
32	Total Interest Charges	383,281	(46,660)	274	(681)
33	Net Income	2,251,145	(1,168,673)	(1,242,228)	(1,973,779)

<b>CASH BALANCES AT END OF YEAR</b>			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	(8,884,241)	
2			
3			
4			
5			
6			
7			
8			
9			
10	<b>TOTAL</b>	<b>(8,884,241)</b>	
<b>MATERIALS AND SUPPLIES (Accounts 151-159, 163)</b>			
<b>Summary per Balance Sheet</b>			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
11	Fuel (Account 151) (See Schedule, Page 25)		
12	Fuel Stock Expenses (Account 152)		
13	Residuals (Account 153)		
14	Plant Materials and Operating Supplies (Account 154 & 151)	957,946	669,844
15	Merchandise (Account 155)		
16	Other Materials and Supplies (Account 156)		
17	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
18	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
19	Nuclear Byproduct Materials (Account 159)		
20	Stores Expense (Account 163)		
21	Total Per Balance Sheet	957,946	669,844
<b>DEPRECIATION FUND ACCOUNT (Account 126)</b>			
Line No.	(a)	Amount (b)	
22	<b>DEBITS</b>		
23	Balance of account at beginning of year	185,705	
24	Income during year from balance on deposit (interest)	1,697	
25	Amount transferred from income (depreciation)	5,003,574	
26	Amount transferred in from surplus & other transfers in		
27	<b>TOTAL</b>	<b>5,190,976</b>	
28	<b>CREDITS</b>		
29	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	5,003,574	
30	Amounts expended for renewals		
31	Amounts Transferred out to operating	-	
32	Amounts paid for Bond Principal Payments	-	
33	Amount repaid to Rate Stabilization	-	
34			
35			
36			
37	Balance on hand at end of year	187,402	
38	<b>TOTAL</b>	<b>5,190,976</b>	



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						NONE
2	330 Land and Land Rights	-	-	-			
3	331 Structures and Improvements	-	-	-			
4	332 Reservoirs, Dams and Waterways	-	-	-			
5	333 Water Wheels, Turbines and Generators	-	-	-			
6	334 Accessory Electric Equipment	-	-	-			
7	335 Miscellaneous Power Plant Equipment	-	-	-			
8	336 Roads, Railroads and Bridges	-	-	-			
9	Total Hydraulic Production Plant	-	-	-	-	-	-
10	D. Other Production Plant						NONE
11	340 Land and Land Rights	-	-	-			-
12	341 Structures and Improvements	4,066,228	-	359,200	-		3,707,028
13	342 Fuel Holders, Producers and Accessories	-	-	-			-
14	343 Prime Movers	-	-	-			-
15	344 Generators	-	-	-	-		-
16	345 Accessory Electric Equipment	-	-	-			-
17	346 Miscellaneous Power Plant Equipment	-	-	-			-
18	Total Other Production Plant	4,066,228	-	359,200	-	-	3,707,028
19	Total Production Plant	4,066,228	-	359,200	-	-	3,707,028
20	3. Transmission Plant						NONE
21	350 Land and Land Rights	-	-	-			-
22	351 Clearing Land and Rights of Way	-	-	-			-
23	352 Structures and Improvements	-	-	-			-
24	353 Station Equipment	-	-	-			-
25	354 Towers and Fixtures	-	-	-			-
26	355 Poles and Fixtures	-	-	-			-
27	356 Overhead Conductors and Devices	-	-	-			-
28	357 Underground Conduit	-	-	-			-
29	358 Underground Conductors and Devices	-	-	-			-
30	359 Roads and Trails	-	-	-			-
31	Total Transmission Plant	-	-	-	-	-	-

UTILITY PLANT - ELECTRIC (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	208,522	-	-	-		208,522
3	361 Structures and Improvements	3,622,043	-	322,742	-		3,299,301
4	362 Station Equipment	6,299,412	173,305	857,656	(1)		5,615,062
5	363 Storage Battery Equipment	2,736,884	-	243,932	-		2,492,952
6	364 Poles Towers and Fixtures	447,399	113,020	139,119	(1)		421,301
7	365 Overhead Conductors and Devices	1,717,847	276,117	376,247	1,665		1,616,052
8	366 Underground Conduit	751,170	-	93,888	(1)		657,283
9	367 Underground Conductors and Devices	407,776	49,092	210,333	(353,482)		600,017
10	368 Line Transformers	725,432	320,842	181,742	21,533		842,999
11	369 Services	135,133	7,450	31,606	629		110,348
12	370 Meters	39,216	59,452	24,907	5,887		67,874
13	371 Installations on Customer's Premises	60,436	-	4,454	-		55,982
14	372 Leased Prop on Customer's Premises	-	-	-	-		-
15	373 Streetlight and Signal Systems	691,948	22,173	73,692	700		639,729
16	Total Distribution Plant	17,843,218	1,021,451	2,560,318	(323,071)	-	16,627,422
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements	-	-	-	-		-
20	391 Office Furniture and Equipment	66,561	-	23,630	-		42,931
21	392 Transportation Equipment	799,558	-	235,263	-		564,295
22	393 Stores Equipment	7,019	-	623	-		6,396
23	394 Tools, Shop and Garage Equipment	61,306	25,675	5,315	-		81,666
24	395 Laboratory Equipment	75	-	75	-		-
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	723,605	37,837	46,538	1		<b>714,903</b>
27	398 Miscellaneous Equipment	37,012	4,652	4,335	-		37,329
28	399 Other Tangible Property	-	-	-	-		-
29	Total General Plant	1,695,636	68,164	315,779	1	-	1,448,020
30	Total Electric Plant in Service	23,605,082	1,089,615	3,235,297	(323,070)	-	21,782,470
31	104 Utility Plant Leased to Others						-
32	105 Property Held for Future Use						-
33	107 Construction Work in Progress	1,200,200	1,041,333		460,634		1,780,899
34	Net Utility Plant Electric	24,805,282	2,130,948	3,235,297	137,564	-	23,563,369

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**

(Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			NUMBER 2 DIESEL		NATURAL GAS	
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year	\$ -	\$ -	\$ -		
2	Received During Year	-	-	-	-	-
3	TOTAL	\$ -	-	\$ -	-	\$ -
4	Used During Year (Note A)				-	-
5		-				
6						
7		<b>NOT APPLICABLE</b>				
8						
9						
10						
11	Sold or Transferred	-				
12	TOTAL DISPOSED OF	-	-	-	-	-
13	BALANCE END OF YEAR	\$ -	-	-	-	\$ -
			Kinds of Fuel and Oil - continued			
			LUBE OIL			
Line No.	Item (g)		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year		\$ -	\$ -		
15	Received During Year					
16	TOTAL		-	\$ -		
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF		-	-		
26	BALANCE END OF YEAR		-	-		

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



## UTILITY PLANT - GAS

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

## UTILITY PLANT - GAS

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	365 Land and Land Rights	218,905	-	-	-		218,905
3	366 Structures and Improvements	1,303,223	45,500	115,141	-	(1)	1,233,581
4	367 Mains	15,776,887	1,257,997	1,224,507	22,272		15,788,104
5	369 Measuring & Regulating Equipment	1,189,485	399,010	130,850	-		1,457,645
6	380 Services	4,943,631	737,712	471,335	24,963	(1)	5,185,044
7	381 Meters	367,623	7,440	63,055	23,062		288,947
8	382 Meter Installation	2,273,314	531,601	117,031	322,025		2,365,860
16	Total Distribution Plant	26,073,068	2,979,260	2,121,918	392,322	(2)	26,538,086
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements	-	-	-	-		-
20	391 Office Furniture and Equipment	16,725	-	5,875	-		10,850
21	392 Transportation Equipment	48,897	43,595	18,287	-		74,205
22	393 Stores Equipment	2,309	-	192	-		2,117
23	394 Tools, Shop and Garage Equipment	154,463	5,570	12,682	-		147,351
24	395 Laboratory Equipment	2,420	-	1,828	-		593
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	198,486	-	12,707	-		185,779
27	398 Miscellaneous Equipment	15,068	29,170	2,251	-		41,987
28	399 Other Tangible Property	-	-	-	-		-
29	Total General Plant	438,868	78,335	53,822	-	-	463,382
30	Total Gas Plant in Service	26,511,936	3,057,595	2,175,740	392,322	(2)	27,001,468
31	104 Utility Plant Leased to Others						-
32	105 Property Held for Future Use						-
33	107 Construction Work in Progress						-
34	Net Utility Plant Gas	26,511,936	3,057,595	2,175,740	392,322	(2)	27,001,468

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No	Item (a)	Amount (b)
1		-
2		
3		
4		
5		
6	<b>TOTAL</b>	-
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		-
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	-
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16	Sale of Scrap	35,407
17		
18	MMWEC Surplus Funds Refund	374,858
19		
20		
21		
22		
23	<b>TOTAL</b>	410,265
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25	Payments in Lieu of Taxes - Payments to Town	938,839
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	938,839
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33		
34	Surplus applied to Sinking Fund	6,544
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	6,544

<b>MUNICIPAL REVENUES (Account 482,444)</b> (K.W.H. Sold under the provision of Chapter 269, Acts of 1927)						
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)	
1	482	Municipal Gas	45,857,600	\$ 871,913	\$ 19.0135	
2						
3						
4						<b>TOTALS</b>
			45,857,600	871,913	19.0135	
<b>Electric Schedule (a)</b>						
			K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5	444	Power Sales to Public Authorities	7,677,679	\$ 1,395,341	\$ 0.1817	
6						
7						
8						
9						
10						
11		<b>TOTALS</b>	7,677,679	1,395,341	0.1817	
12	444	Public Sales - Highway Lighting	727,291	\$ 188,131	\$ 0.2587	
13						
14						
15						
16						
17		<b>TOTALS</b>	727,291	188,131	0.2587	
		<b>TOTALS</b>	8,404,970	1,583,472	0.1884	
<b>PURCHASED POWER (Account 555)</b>						
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 KWH (cents) (0.0000) (e)
18	See Pages 54 and 55					
19						
20						
21						
22						
23						
24						
25						
26		<b>TOTALS</b>		-	-	-
<b>SALES FOR RESALE (Account 447)</b>						
Line No.	Names of Utilities to Which Electric Energy is sold (a)		Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
27	NONE					
28						
29						
30						
31						
32						
33						
34		<b>TOTALS</b>		-	-	-



**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

Report by account number the kWh of electricity 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 KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440	Residential Sales	84,016,758	15,336,058	0.1825	11,366	11,340
2	442	Commercial Sales	12,982,099	2,498,222	0.1924	1,520	1,517
3	442-1	Power Sales	57,090,003	10,057,208	0.1762	260	262
4	444	Public Sales - Highway Lighting	727,291	188,131	0.2587	-	-
5	444	Other Sales to Public Authorities	7,677,679	1,395,341	0.1817	167	167
6	451	Private Area Lighting	1,170,207	88,069	0.0753	-	-
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
41							
42							
43							
44							
45							
46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (page 37 Line 11)		163,664,037	29,563,029	0.1806	13,313	13,286

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
1. Enter in the space provided the operation and maintenance expenses for the year			
2. If the increases and decreases are not derived from previously reported figures, explain in footnote			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	-	-
5	501 Fuel	-	-
6	502 Steam Expenses	-	-
7	503 Steam from other sources	-	-
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	-	-
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	<b>NUCLEAR POWER GENERATION</b>		
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	-	-
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	-	-
36	530 Maintenance of reactor plant	-	-
37	531 Maintenance of electric plant	-	-
38	532 Maintenance of miscellaneous nuclear plant	-	-
39	Total Maintenance	-	-
40	Total power production expenses -nuclear power	-	-
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering	-	-
44	536 Water for power	-	-
45	537 Hydraulic expenses	-	-
46	538 Electric expenses	-	-
47	539 Miscellaneous hydraulic power generation expenses	-	-
48	540 Rents	-	-
49	Total Operation	-	-

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	-	-
4	542 Maintenance of structures	-	-
5	543 Maintenance or reservoirs, dams and 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	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	-	-
13	547 Fuel	-	-
14	548 Generation Expenses	-	-
15	549 Miscellaneous other power generation expense	-	-
16	550 Rents	-	-
17	Total Operation	-	-
18	Maintenance:		
19	551 Maintenance supervision and engineering	-	-
20	552 Maintenance of Structures	-	-
21	553 Maintenance of generating and electric plant	-	-
22	554 Maintenance of miscellaneous other power generation plant	-	-
23	Total Maintenance	-	-
24	Total power production expenses - other power	-	-
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	17,923,195	3,772,309
27	556 System control and load dispatching	-	-
28	557 Other expenses	-	-
29	Total other power supply expenses	17,923,195	3,772,309
30	Total power production expenses	17,923,195	3,772,309
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	-	-
34	561 Load dispatching	-	-
35	562 Station expenses	-	-
36	563 Overhead line expenses	-	-
37	564 Underground line expenses	-	-
38	565 Transmission of electricity by others	-	-
39	566 Miscellaneous transmission expenses	-	-
40	567 Rents	-	-
41	Total Operation	-	-
42	Maintenance:		
43	568 Maintenance supervision and engineering	-	-
44	569 Maintenance of structures	-	-
45	570 Maintenance of station equipment	-	-
46	571 Maintenance of overhead lines	-	-
47	572 Maintenance of underground lines	-	-
48	573 Maintenance of miscellaneous transmission plant	-	-
49	Total maintenance	-	-
50	Total transmission expenses	-	-

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	-	-
4	581 Load dispatching (Operation Labor)	887,258	(171,041)
5	582 Station expenses	685,462	191,580
6	583 Overhead line expenses	(182,831)	(78,845)
7	584 Underground line expenses	2,382	(8,352)
8	585 Street lighting and signal system expenses	14,750	6,711
9	586 Meter expenses	30,625	20,323
10	587 Customer installations expenses	7,375	3,372
11	588 Miscellaneous distribution expenses	104,737	19,728
12	589 Rents	-	-
13	Total operation	1,549,758	(16,524)
14	Maintenance:		
15	590 Maintenance supervision and engineering	-	-
16	591 Maintenance of structures	233,622	7,015
17	592 Maintenance of station equipment	6,503	1,671
18	593 Maintenance of overhead lines	1,517,439	535,599
19	594 Maintenance of underground lines	-	-
20	595 Maintenance of line transformers	-	(18,044)
21	596 Maintenance of street lighting and signal systems	-	-
22	597 Maintenance of meters	-	-
23	598 Maintenance of miscellaneous distribution plant	-	-
24	Total maintenance	1,757,564	526,241
25	Total distribution expenses	3,307,322	509,717
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	-	-
29	902 Meter reading expenses	46,631	4,144
30	903 Customer records and collection expenses	718,859	173,348
31	904 Uncollectible accounts	4,717	(6,116)
32	906 Conservation & Rebates	517,398	332,765
33	Total customer accounts expenses	1,287,605	504,141
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	-	-
37	912 Demonstrating and selling expenses	-	-
38	913 Advertising expenses	322,998	269,579
39	916 Miscellaneous sales expenses	-	-
40	Total sales expenses	322,998	269,579
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	561,420	95,037
44	921 Office supplies and expenses	444,432	130,648
45	922 Administrative expenses transferred - Cr	-	-
46	923 Outside services employed	215,106	(4,420)
47	924 Property insurance	58,821	(1,674)
48	925 Injuries and damages	81,951	56,858
49	926 Employee pensions and benefits	199,061	(544,591)
50	928 Regulatory commission expenses	-	-
51	929 Store Expense	-	-
52	930 Miscellaneous general expenses	153,799	(22,282)
53	931 Rents	-	-
54	Total operation	1,714,590	(290,424)

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>			
2	Maintenance:			
3	932 Maintenance of general plant	66,489	(54,480)	
4	Total administrative and general expenses	1,781,079	(344,904)	
5	Total Electric Operation and Maintenance Expenses	24,622,199	4,710,842	
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	<b>Power Production Expenses</b>			
7	Electric Generation:			
8	Steam Power:	-	-	-
9	Nuclear Power	-	-	-
10	Hydraulic Power	-	-	-
11	Other Power	-	-	-
12	Other Power Supply Expenses	17,923,195	-	17,923,195
13	Total power production expenses	17,923,195	-	17,923,195
14	Transmission Expenses	-	-	-
15	Distribution Expenses	1,549,758	1,757,564	3,307,322
16	Customer Accounts Expenses	1,287,605	-	1,287,605
17	Sales Expenses	322,998	-	322,998
18	Administrative and General Expenses	1,714,590	66,489	1,781,079
19	Total Electric Operation and			
20	Maintenance Expenses	22,798,146	1,824,053	24,622,199
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)			89.26%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			3,561,733
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			26.00 FTE.'s

**GAS OPERATING REVENUES (Account 480)**

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 meters, plus number of late rate accounts except 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 on Commercial and Industrial Sales, Large (or Industrial) may be according to the basis of classification regularly used by the respondent.

Line No.	Account (a)	Operating Revenues		MCF Sold (1,000 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	<b>SALES OF GAS</b>						
2	480 Residential Sales	8,249,147	1,422,926	413,608.4	(3,048)	6,489	39
3	481 Commercial and Industrial Sales:						
4	Small or Commercial	2,469,918	376,733	129,329.3	(5,354)	604	(3)
5	Large or Industrial Sales	-	-	-	-	-	-
6	482 Municipal Sales (P. 22)	871,913	171,372	45,857.6	268	47	-
7	483 Other Sales	-	-	-	-	-	-
8	485 Miscellaneous Gas Sales	-	-	-	-	-	-
9	<b>Total Sales to Ultimate Consumers</b>	11,590,978	1,971,031	588,795.3	(8,134.1)	7,140	36
10	483 Sales for Resale	-	-	-	-	-	-
11	<b>Total Sales of Gas*</b>	11,590,978	1,971,031	588,795.3	(8,134.1)	7,140	36
12	<b>OTHER OPERATING REVENUES</b>						
13	487 Forfeited Discounts	24,652	(2,121)				
14	488 Miscellaneous Service Revenues	-	-				
15	489 Revenues from Trans. Of Gas of Others	-	-				
16	490 Sales of Products Extracted from Natural Gas	-	-				
17	491 Rev. from Natural Gas Processed by Other	-	-				
18	493 Rent from Gas Property	-	-				
19	494 Interdepartmental Rents	-	-				
20	495 Other Gas Revenues	249,187	(14,831)				
21	Total Other Operating Revenues	273,839	(16,952)				
22	Total Gas Operating Revenue	11,864,817	1,954,079				
23							
24							

\* Inclusive of revenues from applicable fuel clauses \$ 11,590,978

Total MCF to which applied 588,795.3

**SALES OF GAS TO ULTIMATE CONSUMERS**

Report by account number M.C.F of gas 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. Sold (b)	Revenue (c)	Average Revenue per M.C.F. (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	480	Residential Sales	25,883.8	613,436	23.6996	1,262	1,258
2	480	Gas Heating Sales	504,892.3	9,856,466	19.5219	5,736	5,881
3	481	Commercial & Industrial	12,161.6	249,163	20.4877	102	100
4	482	Sales to Public Authorities	45,857.6	871,913	19.0135	47	47
5							
6							
7							
8							
9							
10							
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12							
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42							
43							
44							
45							
46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (page 43 Line 9)		588,795.3	11,590,978	19.6859	7,147	7,286

Next page is 46

<b>GAS OPERATION AND MAINTENANCE EXPENSES</b>			
1. Enter in the space provided the operation and maintenance expenses for the year			
2. If the increases and decreases are not derived from previously reported figures, explain in footnote			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OTHER GAS SUPPLY EXPENSES</b>		
3	Operation:		
4	804 Natural gas city gate purchases	8,720,414	3,446,924
5	Maintenance:	-	-
6	Total other gas supply expenses	-	-
7	Total production expenses	8,720,414	3,446,924
8	Total Operation	8,720,414	3,446,924
9	<b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
10	Operation:		
11	850 Operation supervision and engineering	144,745	(2,623)
10	851 System control and load dispatching	-	-
11	852 Communication system expenses	-	-
12	853 Compressor station labor and expenses	287,167	103,500
13	855 Fuel and power for compressor stations	-	-
14	857 Measuring and regulating station expenses	-	-
15	858 Transmission and compression of gas by others	-	-
16	874 Mains and services expenses	45,930	932
17	878 Meter and house regulator expenses	-	-
18	879 Customer installations expenses	258,550	89,403
19	880 Other expenses	75,620	(10,204)
20	881 Rents	-	-
21	Total Operation	812,012	181,008
22	Maintenance:		
23	885 Maintenance supervision and engineering	-	-
24	886 Maintenance of structures and improvements	-	-
25	887 Maintenance of mains	561,908	152,491
26	888 Maintenance of compressor station	-	-
27	889 Maintenance of measuring and regulating station equipment	-	-
28	892 Maintenance of services	-	-
29	893 Maintenance of meters and house regulators	16,080	(3,525)
30	894 Maintenance of other equipment	63,786	45,593
31	Total Maintenance	641,774	194,559
32	Total Transmission and Distribution	1,453,786	375,567
33	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
34	Operation:		
35	901 Supervision	-	-
36	902 Meter reading expenses	15,543	(848)
37	903 Customer records and collection expenses	249,343	72,196
38	904 Uncollectable accounts	3,419	(20,474)
39	905 Miscellaneous customer accounts expenses	-	-
40	Total Customer Accounts Expense	268,305	50,874
41	<b>SALES EXPENSES</b>		
42	Operation:		
43	911 Supervision	-	-
44	912 Demonstrating and selling expenses	-	-
45	913 Advertising expenses	10,942	5,124
46	916 Miscellaneous sales expenses	-	-
47	Total Sales Expenses	10,942	5,124

<b>GAS OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
2	Operation:		
3	920 Administrative and general salaries	186,618	18,082
4	921 Office supplies and expenses	143,721	41,119
5	922 Administrative expenses transferred -Cr.	-	-
6	923 Outside services employed	20,668	(38,210)
7	924 Property insurance	3,601	(102)
8	925 Injuries and damages	32,765	14,779
9	926 Employees pensions and benefits	(120,160)	(179,455)
10	928 Regulatory commission expenses	-	-
11	929 Duplicate charges-Cr.	-	-
12	930 Miscellaneous general expenses	117,589	115,676
13	931 Rents	-	-
14	Total Operation	384,802	(28,111)
15	Maintenance:		
16	932 Maintenance of general plant	22,243	(10,158)
17	Total Maintenance	22,243	(10,158)
18	Total Administrative and General Expenses	407,045	(38,269)
19	Total Gas Operation and Maintenance Expense	10,860,492	3,840,220

<b>SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
20	Other gas supply expenses	8,720,414	-	8,720,414
21	Total Production expenses	8,720,414	-	8,720,414
22	Local storage expenses	-	-	-
23	Transmission and distribution expenses	812,012	641,774	1,453,786
24	Customer accounts expenses	268,305	-	268,305
25	Sales expenses	10,942	-	10,942
26	Administrative and general expenses	384,802	22,243	407,045
27	Total gas operation and maintenance	10,196,475	664,017	10,860,492
28	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 47, line 20 (d), Depreciation (Acct 403) and Amortization ( Acct 407)			109.87%
29	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts.			1,789,290
30	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			14.00 FTE.'s

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

<b>SALES FOR RESALE (Account 483)</b>					
Line No.	Names of Companies to Which Gas is Sold (a)	Where Delivered and Where and How Measured (b)	MMBTU (c)	Rate Per MMBTU (d)	Amount (e)
1				-	-
2					
3		NONE			
4					
5					
6	<b>TOTALS</b>			-	-

<b>SALE OF RESIDUALS (Accounts 730, 731)</b>							
State the revenues and expenses of the respondent resulting from the sale of residuals.							
Line No.	Kind (a)	Revenue (b)	Inventory Cost (c)	Labor, Handling, Selling, Etc. (d)	Other (e)	Total Cost (f)	Net Revenue (g)
7						-	-
8							
9			NONE				
10							
11							
12	<b>TOTALS</b>					-	-

<b>PURCHASED GAS (Accounts 804 - 806)</b>						
Line No.	Names of Companies From Which Gas is Purchased (a)	Where Received and Where and How Measured (b)	M.C.F (1,000 BTU) (c)	Rate Per M.C.F (d)	Amount (e)	
13		480 North Avenue, Meter house in rear of Fire Station on Oak Street, Greenwood, Meter house on Salem Street near Wakefield/Lynnfield town line, Meter house on Broadway				
14	Sprague Energy		635,998	\$ 10.9924	\$ 6,991,131	
15						
16	National Grid		2,140	\$ 16.6439	\$ 35,618	
17						
18						
19		All locations are metered				
20	<b>TOTALS</b>			638,138	11.0113	7,026,749

**TAXES CHARGED DURING THE YEAR**

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.  
 2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts

3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.  
 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.

5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.  
 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1									
2									
3	Commonwealth of Massachusetts	\$ 753,757	\$ 648,188	\$ 105,569					
4									
5									
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31									
32									
33	TOTALS	\$ 753,757	\$ 648,188	\$ 105,569					

<b>OTHER UTILITY OPERATING INCOME (Account 414)</b>					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2	NONE				
3					
4					
5					
6					
7					
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44					
45					
46	TOTALS	\$ -	\$ -	\$ -	\$ -

<b>INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)</b>					
Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing and contract work during the 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				
4	Contract work	151,676	30,827		182,503
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	151,676	30,827	-	182,503
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
17	Materials	208,646	2,102		210,748
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49	TOTAL COSTS AND EXPENSES	208,646	2,102	-	210,748
50	Net Profit (or loss)	(56,970)	28,725	-	(28,245)







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.

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).

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

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	115,000 V	-	-	-	4,785	4,785	N/A	1
60 MINUTES	115,000 V	9,566,933	73,187	59,283	331,334	463,804	\$0.0485	2
60 MINUTES	115,000 V	385,688	234,848	96,186	10,829	341,863	\$0.8864	3
60 MINUTES	115,000 V	4,154,960	540,799	458,035	15,135	1,013,969	\$0.2440	4
60 MINUTES	115,000 V	692,997	15,469	3,174	50	18,693	\$0.0270	5
60 MINUTES	115,000 V	5,646,155	187,935	35,086	8,592	231,613	\$0.0410	6
60 MINUTES	115,000 V	12,923,527	428,431	80,309	19,665	528,405	\$0.0409	7
60 MINUTES	115,000 V	16,987,975	374,005	77,805	1,233	453,043	\$0.0267	8
60 MINUTES	115,000 V	2,363,294	53,570	10,824	172	64,566	\$0.0273	9
60 MINUTES	115,000 V	22,223,702	491,432	101,785	1,613	594,830	\$0.0268	10
		-	-	-	3,171,614	3,171,614	N/A	11
		60,145,120	878,865	4,181,536	-	5,060,401	N/A	12
60 MINUTES	115,000 V	2,946,231	634,704	-	-	634,704	\$0.2154	13
60 MINUTES	115,000 V	2,985,706	-	173,619	992	174,611	\$0.0585	14
60 MINUTES	115,000 V	5,852,913	-	262,720	1,411	264,131	\$0.0451	15
60 MINUTES	115,000 V	895,632	167,256	-	-	167,256	\$0.1867	16
60 MINUTES	115,000 V	-	(66,064)	-	(102,484)	(168,548)	N/A	17
								18
								19
								20
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								35
	TOTALS:	147,770,833	\$ 4,014,437	\$ 5,540,362	\$ 3,464,941	\$ 13,019,740		36

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Non-utilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction 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)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)	
					Received (a)	Delivered (f)	Net Difference (g)		
1	NEPEX				175,169,090	147,490,710	27,678,380	4,284,215	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12	TOTALS					175,169,090	147,490,710	27,678,380	4,284,215

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	3,989,836
14		NEPOOL EXPENSE	294,379
15			
16			
17			
18			
19			
20			
21	TOTAL		4,284,215

**ELECTRIC ENERGY ACCOUNT**

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

Line No.	Item (a)		Kilowatt-hours (b)
1	<b>SOURCES OF ENERGY</b>		
2	Generation		
3	Steam		-
4	Nuclear		-
5	Hydro		-
6	Other		-
7	Total Generation		-
8	Purchases		147,770,833
9		( In (gross) 175,169,090	
10	Interchanges	< Out (gross) 147,490,710	
11		( Net (Kwh)	27,678,380
12		( Received -	
13	Transmission for/by others (wheeling)	< Delivered -	
14		( Net (Kwh)	
15	<b>TOTAL</b>		<b>175,449,213</b>
16	<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales)		163,664,037
18	Sales for resale		-
19	Energy furnished without charge		
20	Energy used by the company (excluding station use):		
21	Electric department only		2,813,990
22	Energy losses		
23	Transmission and conversion losses	-	
24	Distribution losses	8,971,186	
25	Unaccounted for losses	-	
26	Total energy losses		8,971,186
27	Energy losses as percent of total on line 15	5.11%	
28		<b>TOTAL</b>	<b>175,449,213</b>

**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 purchase 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</p> | <p>as to the nature of the emergency.</p> <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 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> |
|---|--|

**Town of Wakefield**

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	28,929	Saturday	15	7:00 PM	60 min	16,744,551
30	February	29,248	Tuesday	1	11:00 AM	60 min	14,084,023
31	March	24,881	Tuesday	1	8:00 AM	60 min	13,947,636
32	April	20,295	Thursday	7	12:00 PM	60 min	11,883,805
33	May	29,315	Sunday	22	4:00 PM	60 min	13,202,309
34	June	31,702	Sunday	26	3:00 PM	60 min	14,325,301
35	July	40,840	Thursday	21	1:00 PM	60 min	19,345,090
36	August	41,328	Friday	5	3:00 PM	60 min	18,885,848
37	September	27,367	Monday	12	3:00 PM	60 min	13,113,141
38	October	20,345	Tuesday	25	4:00 PM	60 min	12,074,797
39	November	22,445	Monday	28	6:00 PM	60 min	12,663,138
40	December	26,493	Monday	19	6:00 PM	60 min	15,179,576
41						<b>TOTAL</b>	<b>175,449,215</b>

**GENERATING STATIONS**

**GENERATING STATION STATISTICS (Large Stations)**  
(Except Nuclear)

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	Kind of plant (Steam, Hydro, Int. Comb.)	NONE			
2	Type of plant construction (conventional outdoor boiler, full outdoor, etc)				
3	Year originally constructed				
4	Year last unit installed				
5	Total installed capacity (maximum generator name plate ratings in kw)				
6	Net peak demand on plant-kilowatts (60 min)				
7	Plant hours connected to load				
8	Net continuous plant capability, kilowatts:				
9	(a) when not limited by condenser water				
10	(b) when limited by condenser water				
11	Average number of employees				
12	Net generation, exclusive of station use				
13	Cost of plant (omit cents):				
14	Land and land rights				
15	Structures and improvements				
16	Reservoirs, dams and waterways				
17	Equipment costs				
18	Roads, railroads and bridges				
19	Total cost		-		
20	Cost per kw of installed capacity				
21	Production expenses:				
22	Operation supervision and engineering				
23	Station labor				
24	Fuel				
25	Supplies & Expenses, including water				
26	Maintenance				
27	Rents				
28	Steam from other sources				
29	Steam transferred - credit				
30	Total production expenses	-			
31	Expenses per net Kwh (5 places)				
32	Fuel: Kind				
33	Unit(coal-tons of 2,000 lb)(oil-barrels of 42 gals.)Gas-Mcu.ft.)(nuclear,indicate)				
34	Quantity (units) fuel consumed				
35	Average heat content of fuel (B.t.u. per lb of coal, per gal. of oil, or per cu.ft. of gas)				
36	Average cost of fuel per unit, del fob plant				
37	Average cost of fuel per unit consumed				
38	Average cost of fuel consumed per million B.t.u.				
39	Average cost of fuel consumed per kwh net gen				
40	Average B.t.u. per kwh net generation				

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					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

GENERATING STATIONS								Page 64
COMBUSTION ENGINE AND OTHER GENERATING STATIONS (Except Nuclear)				Pages 64-65				
Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	PRIME MOVERS				
				Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)	
1	NONE							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

**GENERATING STATIONS**

COMBUSTION ENGINE AND OTHER GENERATING STATIONS  
(Except Nuclear) Pages 64-65

PRIME MOVERS CONTINUED		Generators							
Rated hp. of Unit (h)	Total Rated hp. of Station Prime movers (l)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or dc. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate rating) (p)	Line No.
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
					TOTALS	0	0	0	22

GENERATING STATION STATISTICS (Small Stations)					Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	<b>NONE</b>				
2					
3					
4					
5					
6					
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31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					

<p align="center"><b>TRANSMISSION LINE STATISTICS</b> Report information concerning transmission line as indicated below.</p>								
Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1								
2								
3		NONE						
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52	TOTALS				-	-	-	

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

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.  
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.  
 3. Substations with capacities of less than 5000 kVa, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.  
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Wakefield Substation	Distribution	13,800	4,169		6,000	2	-			
2	Wakefield Avenue, Wakefield	Unattended									
3											
4											
5	Marcus Beebe	Distribution	115,000	13,800		110,000	2	-			
6	Farm Street, Wakefield	Unattended									
7											
8											
9	Wallace Substation	Distribution	115,000	13,800		120,000	2	-			
10	Salem Street, Wakefield	Unattended									
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26	TOTALS						236,000	6	-		

<b>OVERHEAD DISTRIBUTION LINES OPERATED</b>					
Line No.		Length (Pole Miles)			
		Wood Poles	Steel Towers	Total	
1	Miles -- Beginning of Year	65.4	-	65.4	
2	Added During Year	1.2		1.2	
3	Retired During Year	1.2		1.2	
4	Miles -- End of Year	65.4	-	65.4	
5					
6					
7					
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power				
9					
10	Three-phase, AC distribution system, 60 cycles, 13,800 volts				
11					
12					
13					
14					
15					

  

<b>ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS</b>					
Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	8,066	13,217	1,312	141,537
17	Additions during year				
18	Purchased	-			
19	Installed	64	146	66	5,795
20	Associated with utility plant acquired				
21	Total Additions	64	146	66	5,795
22	Reductions during year:				
23	Retirements & other reductions	24	77	40	3,858
24	Associated with utility plant sold				
25	Total Reductions	24	77	40	3,858
26	Number at end of year	8,106	13,286	1,338	143,474
27	In stock		621	123	14,491
28	Locked meters on customers' premises				
29	Inactive transformers on system			-	-
30	In customers' use		13,286	1,338	143,474
31	In company's use		6	8	814
32	Number at end of year		13,913	1,469	158,779

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 System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable					
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)				
1	UNDERGROUND DISTRIBUTION SYSTEM	44.70	13.85 miles 3 conductor	13,800	NONE					
2										
3										
4										
5							6.67 miles of single conductor	13,800		
6										
7										
8							4.28 miles of 3 conductor	4,160		
9										
10										
11							0.15 miles single conductor	4,160		
12										
13										
14							.38 miles of 3 conductor	230		
15										
16										
17							6.84 miles of 2 conductor	230		
18										
19										
20							7.0 miles of single conductor	230		
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43	TOTALS	44.70	161.0		-					

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type							
			L. E. D.		Mercury Vapor		Incandescent & Other		H. P. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Wakefield	3,256	2,574	55	-	13	68	139	114	293
2										
3										
4										
5										
6										
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41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	3,256	2,574	55	-	13	68	139	114	293

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							
2	Gas Made						
3	Gas						
4	Gas						
5	Gas						
6	TOTAL						
7							
8	Gas Purchased						
9	Natural						
10	Other						
11	TOTAL	638,138	138,870	98,267	79,581	47,473	24,346
12							
13							
14	TOTAL MADE &	638,138	138,870	98,267	79,581	47,473	24,346
15	PURCHASED						
16							
17	Net Change in						
18	Holder Gas						
19	TOTAL SENDOUT	638,138	138,870	98,267	79,581	47,473	24,346
20							
21							
22	Gas Sold	598,797	105,215	130,886	93,077	62,080	35,555
23	Gas Used by Company	8,682	753	1,130	785	388	557
24	Gas Accounted for	607,479	105,968	132,016	93,862	62,468	36,112
25	Gas Unaccounted for	30,659	32,902	(33,749)	(14,281)	(14,995)	(11,766)
26	% Unaccounted						
27	for (0.00%)	4.80%	23.69%	(34.34%)	(17.95%)	(31.59%)	(48.33%)
28							
29							
30	Sendout in 24 Hours						
31	in MCF						
32	Maximum MCF	6,560	6,560	5,731	4,384	2,259	1,515
33	Maximum Date	1/15/22	1/15/22	2/14/22	3/3/22	4/6/22	5/8/22
34	Minimum MCF	358	1,870	1,290	921	896	459
35	Minimum Date	8/6/22	1/1/22	2/17/22	3/18/22	4/13/22	5/27/22
36							
37							
38							
39							
40							
41							
42							
43	BTU Content of Gas						
44	Delivered to Customers			1038 per Cubic Foot			
45							
46							
47							
48							
49							
50							
51							

RECORD OF SENDOUT FOR THE YEAR IN MCF BASED ON 1000 BTU PER CUBIC FOOT							
Line No.	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	15,460	13,787	13,424	15,600	30,875	59,224	101,231
12							
13							
14	15,460	13,787	13,424	15,600	30,875	59,224	101,231
15							
16							
17							
18							
19	15,460	13,787	13,424	15,600	30,875	59,224	101,231
20							
21							
22	19,074	13,060	10,748	12,576	18,424	36,818	61,284
23	398	904	1,016	531	649	828	743
24	19,472	13,964	11,764	13,107	19,073	37,646	62,027
25	(4,012)	(177)	1,660	2,493	11,802	21,578	39,204
26							
27	(25.95%)	(1.28%)	12.37%	15.98%	38.23%	36.43%	38.73%
28							
29							
30							
31							
32	642	729	747	759	1,761	3,954	5,633
33	6/25/22	7/21/22	8/9/22	9/23/22	10/28/22	11/20/22	12/24/22
34	438	364	358	415	564	507	1,363
35	6/28/22	7/23/22	8/6/22	9/9/22	10/7/22	11/6/22	12/7/22
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							

**TRANSMISSION AND DISTRIBUTION MAINS**

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

Line No.	Diameter	Total Length in Feet at Beginning of the year	Added During the Year	Taken Up During Year	Abandoned but Not Removed During the Year	Total Length in Feet at the End of the year
1						
2	DISTRIBUTION - CAST IRON MAINS					
3						
4	3"	561	-	-	191	370
5	4"	1,745	-	-	748	997
6	6"	-	-	-	-	-
7	10"	-	-	-	-	-
8						
9	Sub Total	2,306	-	-	939	1,367
10						
11	DISTRIBUTION - STEEL PIPE					
12						
13	1"	-	-	-	-	-
14	1¼"	-	-	-	-	-
15	1½"	75	-	-	-	75
16	2"	6,555	-	-	66	6,489
17	3"	23,061	-	-	988	22,073
18	4"	63,475	-	-	5,986	57,489
19	6"	8,337	-	-	214	8,123
20	8"	100	-	-	-	100
21	10"	2,015	-	-	-	2,015
22						
23	Sub Total	103,618	-	-	7,254	96,364
24						
25	DISTRIBUTION - PLASTIC PIPE					
26						
27	1"	473	-	-	-	473
28	1¼"	425	-	-	-	425
29	2"	22,866	-	-	1,127	21,739
30	3"	4,338	-	-	-	4,338
31	4"	106,432	1,179	-	-	107,611
32	6"	143,018	7,081	-	-	150,099
33	8"	81,898	861	-	-	82,759
34	12"	2,816	-	-	-	2,816
35						
36	Sub Total	362,266	9,121	-	1,127	370,260
37						
38	DISTRIBUTION - STEEL MAINS WELDED					
39						
40	4"	1,550	-	-	-	1,550
41	10"	2,150	-	-	-	2,150
42						
43	Sub Total	3,700	-	-	-	3,700
44						
45	Grand Totals	471,890	9,121	-	9,320	471,691
46						
47						

<b>GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS</b>		<b>PAGE 78</b>		
Line No.	Item	Gas Services	House Governors	Meters
1				
2	Number at beginning of year:	5,162	-	7,268
3	Additions during year			
4	Purchased	-	-	-
5	Installed	29	-	40
6	Associated with utility plant acquired	-	-	
7	Total Additions	29	-	40
8				
9	Reductions during year:			
10	Retirements	10	-	22
11	Associated with utility plant sold	-	-	
12	Total Reductions	10	-	22
13	Number at end of year	5,181	-	7,286
14				
15	In stock			509
16	On Customers' Premises - Inactive			-
17	On Customers' Premises - Active			7,286
18	In Company Use			6
19	Number at end of year			7,801
20				
21	Number of Meters Tested by State Inspectors			
22	During Year			996
23				

\* Note Meters on Customers' Premises should equal

Page 44 and Page 4

**RATE SCHEDULE INFORMATION**

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

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
August 1, 2009	MDPU 47	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 48	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 50	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 50M	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 76	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 77	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 78	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 79	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 80	NO CHANGES → SEE ATTACHED		



**MDPU No. 47**  
**Effective August 1, 2009**  
**Cancels MDTE No. 44**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**DOMESTIC GAS RATE A**

**Availability**

Service under this rate is available for all Domestic purposes in an individual private dwelling or an individual apartment.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.8002 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager  
Michael P. McCarthy, Chairman  
Kenneth J. Chase, Jr.  
John J. Warchol Jr.  
Stephen McGrail  
Kevin Haggerty

9 Albion Street  
Wakefield, Massachusetts 01880

**MDPU No. 48**  
**Effective August 1, 2009**  
**Cancels MDTE No. 45**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**DOMESTIC GAS RATE B**

**Availability**

Service under this rate is available for all Domestic purposes in an individual private dwelling or an individual apartment. provided gas is the only fuel used for heating the premises. Service under this rate is also available in buildings other than residences for the following purposes only: space heating where the customer's premises are heated exclusively by gas and for air conditioning.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$6.25 per month
Delivery Charge	\$0.5988 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager  
Michael P. McCarthy, Chairman  
Kenneth J. Chase, Jr.  
John J. Warchol Jr.  
Stephen McGrail  
Kevin Haggerty

9 Albion Street  
Wakefield, Massachusetts 01880

**MDPU No. 50  
Effective August 1, 2009  
Cancels MDTE No. 46**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT  
GENERAL GAS RATE C**

**Availability**

Service under this rate is available for all commercial and industrial purposes.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.7658 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager

Michael P. McCarthy, Chairman

Kenneth J. Chase, Jr.

John J. Warchol Jr.

Stephen McGrail

Kevin Haggerty

9 Albion Street

Wakefield, Massachusetts 01880

**MDPU No. 50M**  
**Effective August 1, 2009**  
**Cancels MDTE No. 46**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**MUNICIPAL GAS RATE D**

**Availability**

Service under this rate is available for all municipal non-heating purposes.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.7658 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

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**Date Issued:**

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Stephen McGrail

Kevin Haggerty

9 Albion Street

Wakefield, Massachusetts 01880

**MDPU No. 76**  
**Effective January 1, 2020**  
**Cancel MDPU No. 73**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Domestic Electric Rate A**

**Availability**

Service under this rate is available for all domestic purposes in all residential dwelling units, including electric space heating, provided that the space heating equipment has been approved by our Department.

Also available for space heating in commercial or industrial buildings provided that all space heating is electric and is approved by our Department.

**Rate**

Customer Charge	\$6.00 per month
Distribution Charge	\$0.0442 per kilowatt-hour
Energy Charge	\$0.0908 per kilowatt-hour

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

**Minimum Bill**

The Customer Charge

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

October 2, 2019

**Date Effective:**

January 1, 2020

**Filed by:**

Peter D. Dion, General Manager  
John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 77**  
**Effective January 1, 2020**  
**Cancel MDPU No. 74**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Commercial Electric Rate B**

**Availability**

Service under this rate is available for use in stores, factories, other places of business and to others to whom the Domestic Electric Rate does not apply and where the total monthly use does not exceed 5,000 kilowatt-hours.

Also available for space heating in commercial or industrial buildings where all space heating is electric and is approved by our Department.

**Rate**

Customer Charge	\$8.00 per month
Distribution Charge	\$0.0470 per kilowatt-hour
Energy Charge	\$0.0956 per kilowatt-hour

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

**Minimum Bill**

The Customer Charge

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

**Term of Contract**

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**Terms and Conditions**

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**Date Effective:**

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**Filed by:**

Peter D. Dion, General Manager

John J. Warchol, Chair

Philip R. Courcy, Secretary

Thomas H. Boettcher

Kenneth J. Chase

Jennifer L. Kallay

480 North Avenue

Wakefield, Massachusetts 01880

**MDPU No. 78**  
**Effective January 1, 2020**  
**Cancels MDPU No. 75**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Power Rate C**

**Availability**

Applicable to all factories, stores, places of business and any other building in which commercial uses are ongoing when monthly usage is 5,000 kilowatt-hours and above. Also available for special services, such as welding, x-ray, heating and air conditioning subject to Department approval

**Rate**

Customer Charge	\$60.00 per month
Demand	\$11.50 per kilowatt
Distribution Charge	\$0.0064 per kilowatt-hour
Energy Charge	\$0.0928 per kilowatt-hour

**Billing Demand**

The Billing Demand for any month shall be the greater of the following:

The maximum 15 minute measured demand during the month as measured in kilowatts, or

70% of the maximum 15 minute measured demand as so determined during the preceding 11 months.

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

## **Minimum Bill**

The Customer Charge

## **Credit for High Voltage Delivery**

If delivery of electricity is made at the Department's supply line voltage and the Department is saved the cost of installing and maintaining any transformer and associated equipment credit will be allowed at the rate of 12 cents per kilowatt of demand per month. This credit shall be allowed after the application of any adjustment of discount, surcharge and fuel.

## **Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

## **Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

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### **Date Issued:**

October 2, 2019

### **Date Effective:**

January 1, 2020

### **Filed by:**

Peter D. Dion, General Manager  
John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 79**  
**Effective January 1, 2020**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Energy Conservation Charge**

**Purpose and Applicability to:**

The Energy Conservation Charge ( ECC ) is designed to recover the cost of the Department's energy conservation and efficiency programs administered by the Department and/or its consultants and shall be charged to all classifications of electric customers with the exception of streetlighting and private lighting accounts.

The ECC is calculated by dividing the annual cost of the Department's energy conservation & efficiency program(s) by the amount of kilowatt-hour sales in the customer classifications to which the respective program(s) are applicable

The ECC may be changed from time to time based on changes in the funding amounts for the activity in the Department's energy conservation & efficiency program(s).

**Discount**

The Energy Conservation Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

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**Date Issued:**  
October 2, 2019

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**Filed by:**

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480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 80**  
**Effective January 1, 2020**  
**Cancels MDPU No. 72**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Purchased Power and Fuel Adjustment Clause**

**Applicable to:**

Applicable to all kilowatt hours sold

**Rate**

There shall be an upward or downward adjustment applied to all kilowatt hours sold under provisions of rates contained in all electric tariffs related to the increase or decrease in the cost of purchased power including fuel & transmission from our wholesale electricity supplier(s).

The adjustment shall be based on the total cost of purchased power, cost of fuel and cost of transmission over and above that portion of which is contained in the energy charge ( base rate ) and shall be obtained by dividing the summation of total costs of purchased power, fuel and transmission for the month by the total kilowatt hours to be sold during the month and subtracting the energy charge ( base rate ) from the figure

The purchased power and fuel adjustment clause shall be rounded to the sixth decimal place and shall be applied to all kilowatt hours sold in the following month.

**Discount**

The Purchased Power and Fuel Adjustment Clause will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

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**Date Issued:**

October 2, 2019

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Peter D. Dion, General Manager

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480 North Avenue

Wakefield, Massachusetts 01880

# INDEX

	Page
Appropriations of Surplus	21
Appropriations Since Beginning of Year	5
Bonds	6
Cash Balances	14
Changes in the Property	5
Combustion Engine and Other Generating Stations	64-65
Comparative Balance Sheet	10-11
Conduit, Underground Cable and Submarine Cable	70
Cost of Plant	8- 8B
Customers in each City or Town	4
Depreciation Fund Account	14
Earned Surplus	12
Electric Distribution Services, Meters, and Line Transformers	69
Electric Energy Account	57
Electric Operating Revenues	37
Electric Operation and Maintenance Expenses	39-42
General Information	3
Generating Station Statistics	58-59
Generating Statistics (Small Stations)	66
Hydroelectric Generating Stations	62-63
Income from Merchandising, Jobbing and Contract Work	51
Income Statement	12
Interchange Power	56
Materials and Supplies	14
Miscellaneous Credits to Surplus	21
Miscellaneous Debits to Surplus	21
Miscellaneous Nonoperating Income	21
Monthly Peaks and Output	57
Municipal Revenues	22
Other Income Deductions	21
Other Utility Operating Income	50
Overhead Distribution Lines Operated	69
Production Fuel and Oil Stocks	18
Purchased Power	22
Purchased Power Detailed (except Interchange)	54-55
Rate Schedule Information	79
Sales for Resale	22
Sales for Resale Detailed	52-53
Sales of Electricity to Ultimate Consumers	38
Schedule of Estimates	4
Signature Page	81
Steam Generating Stations	60-61
Streetlamps	71
Substations	68
Taxes Charged During Year	49
Town Notes	7
Transmission Line Statistics	67
Utility Plant-Electric	15-17

**FOR GAS PLANTS ONLY:**

	Page		Page
Boilers	75	Purifiers	76
Gas Distribution Services, House Governors and Meters	78	Record of Sendout for the Year in MC	72-73
Gas Generating Plant	74	Sales for Resale	48
Gas Operating Revenues	43	Sales of Gas to Ultimate Customers	44
Gas Operation & Maintenance Expenses	45-47	Sales of Residuals	48
Holders	76	Scrubbers, Condensers & Exhausters	75
Purchased Gas	48	Transmission and Distribution Mains	77
		Utility Plant - Gas	19-20

PAGES INTENTIONALLY OMITTED : 23 TO 36, 74 TO 76, 80

## TABLE OF CONTENTS

	Page
General Information	3
Schedule of Estimates	4
Customers in each City or Town	4
Appropriations Since Beginning of Year	5
Changes in the Property	5
Bonds	6
Town Notes	7
Cost of Plant	8-9
Comparative Balance Sheet	10-11
Income Statement	12
Earned Surplus	12
Cash Balances	14
Materials and Supplies	14
Depreciation Fund Account	14
Utility Plant-Electric	15-17
Production Fuel and Oil Stocks	18
Miscellaneous Nonoperating Income	21
Other Income Deductions	21
Miscellaneous Credits to Surplus	21
Miscellaneous Debits to Surplus	21
Appropriations of Surplus	21
Municipal Revenues	22
Purchased Power	22
Sales for Resale	22
Electric Operating Revenues	37
Sales of Electricity to Ultimate Consumers	38
Electric Operation and Maintenance Expenses	39-42
Taxes Charged During Year	49
Other Utility Operating Income	50
Income from Merchandising, Jobbing and Contract Work	51
Sales for Resale	52-53
Purchased Power (except Interchange)	54-55
Interchange Power	56
Electric Energy Account	57
Monthly Peaks and Output	57
Generating Station Statistics	58-59
Steam Generating Stations	60-61
Hydroelectric Generating Stations	62-63
Combustion Engine and Other Generating Stations	64-65
Generating Statistics (Small Stations)	66
Transmission Line Statistics	67
Substations	68
Overhead Distribution Lines Operated	69
Electric Distribution Services, Meters, and Line Transformers	69
Conduit, Underground Cable and Submarine Cable	70
Streetlamps	71
Rate Schedule Information	79
Signature Page	81

FOR GAS PLANTS ONLY:	Page		Page
Utility Plant - Gas	19-20	Gas Generating Plant	74
Gas Operating Revenues	43	Boilers	75
Sales of Gas to Ultimate Customers	44	Scrubbers, Condensers & Exhausters	75
Gas Operation & Maintenance Expenses	45-47	Purifiers	76
Purchased Gas	48	Holders	76
Sales for Resale	48	Transmission and Distribution Mains	77
Sales of Residuals	48	Gas Distribution Services, House	
Record of Sendout for the Year in MCF	72-73	Governors and Meters	78

PAGES INTENTIONALLY OMITTED : 23 TO 36, 74 TO 76, 80



Annual Report of the Wakefield Municipal Gas & Light Department

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

Line No.		Amount
<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	From sales of gas	11,519,000
2	From sales of electricity	29,780,000
3		<b>TOTAL</b>
4		41,299,000
<b>EXPENSES</b>		
6	For operation, maintenance and repairs	35,983,000
7	For interest on bonds, notes or scrip	373,600
8	For depreciation fund ( 5% 109,753,102 excludes land as per page 8 & 9 )	5,487,655
9	For sinking fund requirements	-
10	For note payments	2,381,800
11	For bond payments	-
12	For loss in preceding year	-
13		<b>TOTAL</b>
14		44,226,055
<b>COST:</b>		
16	Of gas to be used for municipal buildings	872,000
17	Of gas to be used for street lights	-
18	Of electricity to be used for municipal buildings	1,395,000
19	Of electricity to be used for street lights	188,200
20	Total of above items to be included in the tax levy	<b>TOTAL</b>
21		2,455,200
22	New construction to be included in the tax levy	-
23	Total amounts to be included in the tax levy	2,455,200

**CUSTOMERS**

Names of cities or towns in which the plant supplies <b>GAS</b> , with the number of customers' meters in each.		Names of cities or towns in which the plant supplies <b>ELECTRICITY</b> , with the number of customers' meters in each.	
City or Town	Number of Customers' Meters December 31.	City or Town	Number of Customers' Meters, December 31.
Wakefield	7,286	Wakefield	13,286
<b>TOTAL</b>	7,286	<b>TOTAL</b>	13,286

**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				
*At	meeting	20	, to be paid from {	
*At	meeting	20	, to be paid from {	
				TOTAL <u>0</u>

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

1.	Street lights	188,200
2.	Municipal buildings	2,450,000
3.		
		TOTAL <u>2,638,200</u>

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

**CHANGES IN THE PROPERTY**

- 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:**

The Department continues to upgrade its 5kV system to 13.8 kV resulting in improved system reliability. WMGLD will continue upgrading existing 5kV up to 13.8 kV into the foreseeable future.

WMGLD has continued to replace air circuit breakers, replacement will allow us to continue to utilization of current substation configuration to its full potential well into the future.

During calendar year 2022 WMGLD replaced and converted a large 4kV distribution circuit including Burns Substation ( 4kV substation ) and began sitework at the Burns Station to retire & restore.

Additionally, WMGLD continues the the upgrade of both gas & electric meter reading technologies and equipment to allow remote data collection. Significant efficiencies in the form of reduced vehicle rolls and diminution of labor costs have been the benefits of the AMR project.

Calendar year 2022 WMGLD continued to expand and revise energy efficiency programs

**In Gas property:**

WMGLD continues to take gas through the new meter and regulator facility.

The replacement program for cast iron mains with plastic mains as well as upgrading & replacing bare steel gas service lines with plastic lines is progressing as scheduled

Additionally, WMGLD continues its aggressive leak detection efforts resulting in identification, repair, and replacement of leaking mains & services.

Calendar year 2022 WMGLD completed all regulator station upgrades & replacements

Bonds (Issued on Account of Gas or Electric Lighting.)							
When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
July 1894	Oct, 1894	\$ 180,000					\$ -
May, 1904	Jul, 1904	10,000					-
May, 1909	Jun, 1909	25,000					-
Nov, 1920	Dec, 1920	25,000					-
Apr, 1922	Oct, 1922	45,000					-
Dec, 1922	Mar, 1923	50,000					-
Jun, 1923	Jul, 1923	25,000					-
Jun, 1923	Jul, 1923	30,000					-
Mar, 1924	Aug, 1924	45,000					-
Mar, 1925	Aug, 1925	20,000					-
Oct, 1951	Apr, 1952	90,000					-
Mar, 1971	Sep, 1971	300,000					-
Mar, 1971	Jul, 1972	700,000					-
Mar, 1971	Oct, 1972	250,000					-





		<b>TOTAL COST OF PLANT - ELECTRIC</b>					
1. Report below the cost of utility plant in service according to prescribed accounts		preceding year. Such items should be included in column (c) or (d) as appropriate.				effect of such amounts.	
2. Do not include as adjustments, corrections of additions and retirements for the current or the		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative				4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						NONE
2							
3							
4		-	-	-	-	-	-
5	2. PRODUCTION PLANT						NONE
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	-	-	-	-	-	-
16	B. Nuclear Production Plant						NONE
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	-	-	-	-	-	-

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						NONE
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	-	-	-	-	-	-
10	D. Other Production Plant						
11	340 Land and Land Rights						-
12	341 Structures and Improvements	5,131,426	-	-			5,131,426
13	342 Fuel Holders, Producers and Accessories						-
14	343 Prime Movers						-
15	344 Generators						-
16	345 Accessory Electric Equipment						-
17	346 Miscellaneous Power Plant Equipment						-
18	Total Other Production Plant	5,131,426	-	-	-	-	5,131,426
19	Total Production Plant	5,131,426	-	-	-	-	5,131,426
20	3. Transmission Plant						NONE
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduit						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	Total Transmission Plant	-	-	-	-	-	-

TOTAL COST OF PLANT - ELECTRIC (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	208,522	-				208,522
3	361 Structures and Improvements	6,611,504	-	-			6,611,504
4	362 Station Equipment	14,090,164	173,305	758,595			<b>13,504,874</b>
5	363 Storage Battery Equipment	3,484,749	-	-			3,484,749
6	364 Poles Towers and Fixtures	2,782,372	113,020	5,371			2,890,021
7	365 Overhead Conductors and Devices	9,341,621	276,117	72,825			9,544,913
8	366 Underground Conduit	3,755,507	-	-			3,755,507
9	367 Underground Conductors and Devices	8,413,319	49,092	680,755	460,634		8,242,290
10	368 Line Transformers	4,543,539	320,842	167,942			4,696,439
11	369 Services	1,233,187	7,450	20,519			1,220,118
12	370 Meters	1,245,367	59,452	8,200			1,296,619
13	371 Installations on Customer's Premises	111,348	-	4,410			106,938
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	1,473,835	22,173	1,960			1,494,048
16	Total Distribution Plant	57,295,034	1,021,451	1,720,577	460,634	-	57,056,542
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-			500
19	390 Structures and Improvements	-	-	-			-
20	391 Office Furniture and Equipment	171,972	-	3,996			167,976
21	392 Transportation Equipment	1,176,313	-	28,346			1,147,967
22	393 Stores Equipment	12,460	-	-			12,460
23	394 Tools, Shop and Garage Equipment	106,298	25,675	1,067			130,906
24	395 Laboratory Equipment	3,475	-	3,475			-
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	930,769	37,837	-			968,606
27	398 Miscellaneous Equipment	86,709	4,652	-			91,361
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	2,488,496	68,164	36,884	-	-	2,519,776
30	Total Electric Plant in Service	64,914,956	1,089,615	1,757,461	460,634	-	64,707,744
31							Total Cost of Electric Plant.....
33							64,707,744
34							Less Cost of Land, Land Rights, Rights of Way.....
							209,022
							Total Cost upon which Depreciation is based .....
							64,498,722
The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land value, should be taken as a basis for figuring depreciation.							

<p><b>TOTAL COST OF PLANT - GAS</b></p> <p>1. Report below the cost of utility plant in service according to prescribed accounts</p> <p>2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.</p> <p>3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.</p> <p>4. Reclassifications or transfers within utility plant accounts should be shown in column (f).</p>							
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	365 Land and Land Rights	218,905	-	-			218,905
3	366 Structures and Improvements	2,283,574	45,500	-			2,329,074
4	367 Mains	25,995,944	1,257,997	89,125			27,164,816
5	369 Measuring & Regulating Equipment	1,474,854	399,010	305,718			1,568,146
6	380 Services	9,426,704	737,712	474,096			9,690,320
7	381 Meters	1,261,091	7,440	42,416			1,226,115
8	382 Meter Installation	2,340,613	531,601	335,213			2,537,001
16	Total Distribution Plant	43,001,685	2,979,260	1,246,568	-	-	44,734,377
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-			500
19	390 Structures and Improvements	-	-	-			-
20	391 Office Furniture and Equipment	47,387	-	-			47,387
21	392 Transportation Equipment	91,433	43,595	24,195			110,833
22	393 Stores Equipment	3,848	-	-			3,848
23	394 Tools, Shop and Garage Equipment	253,642	5,570	14,658			244,554
24	395 Laboratory Equipment	36,550	-	32,600			3,950
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	254,149	-	-			254,149
27	398 Miscellaneous Equipment	45,017	29,170	-			74,187
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	732,526	78,335	71,453	-	-	739,408
30	Total Cost Gas Plant in Service	43,734,211	3,057,595	1,318,021	-	-	45,473,785
31							Total Cost of Gas Plant..... 45,473,785
33							Less Cost of Land, Land Rights, Rights of Way..... 219,405
34							Total Cost upon which Depreciation is based ..... 45,254,380

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

## Annual Report of the Town of Wakefield Municipal Gas &amp; Light Department

<b>COMPARATIVE BALANCE SHEET Assets and Other Debits</b>					
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 - Electric (P. 17)	24,805,281	23,563,369	(1,241,912)
3	101	Utility Plant - Gas (P. 20)	26,511,937	27,001,468	489,531
4					
5		Total Utility Plant	51,317,218	50,564,837	(752,381)
6					
7					
8					
9					
10					
11		<b>FUND ACCOUNTS</b>			
12	125	Sinking Funds	360,156	366,700	6,544
13	126	Depreciation Fund (P. 14)	185,705	187,402	1,697
14	128	Other Special Funds	-	-	-
15		Total Funds	545,861	554,102	8,241
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	(4,083,411)	(8,884,241)	(4,800,830)
18	132	Special Deposits	1,456,472	1,511,567	55,095
19	135	Working Funds	700	700	-
20	141	Notes Receivable	-	-	-
21	142	Customer Accounts Receivable	4,157,487	5,060,722	903,235
22	143	Other Accounts Receivable	1,570,538	1,400,846	(169,692)
23	146	Receivables from Municipality	-	-	-
24	151	Materials and Supplies (P. 14)	1,275,561	1,627,790	352,229
25			-	-	-
26	165	Prepayments	5,066,198	5,489,817	423,619
27	174	Miscellaneous Current Assets	-	-	-
28		Total Current and Accrued Assets	9,443,545	6,207,201	(3,236,344)
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount	-	-	-
31	182	Extraordinary Property Losses	-	-	-
32	185	Other Deferred Debits	828,633	921,863	93,230
33		Total Deferred Debits	828,633	921,863	93,230
34					
35		Total Assets and Other Debits	62,135,257	58,248,003	(3,887,254)

## Annual Report of the Town of Wakefield Municipal Gas &amp; Light Department

<b>COMPARATIVE BALANCE SHEET Liabilities and Other Credits</b>					
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	360,156	366,654	6,498
5	206	Loans Repayment	-	-	-
6	207	Appropriations for Construction Repayments	-	-	-
7	208	Unappropriated Earned Surplus (P. 12)	29,233,189	28,652,712	(580,477)
8		Total Surplus	29,593,345	29,019,366	(573,979)
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	-	-	-
11	231	Notes Payable (P. 7)	15,209,531	12,737,930	(2,471,601)
12		Total Bonds and Notes	15,209,531	12,737,930	(2,471,601)
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	113,018	8,539	(104,479)
15	234	Payables to Municipality	-	-	-
16	235	Customers' Deposits	1,456,472	1,511,567	55,095
17	236	Taxes Accrued	-	-	-
18	237	Interest Accrued	-	-	-
19	242	Miscellaneous Current and Accrued Liabilities	803,409	730,308	(73,101)
20		Total Current and Accrued Liabilities	2,372,899	2,250,414	(122,485)
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	-	-	-
23	252	Customer Advances for Construction	-	-	-
24	253	Other Deferred Credits	10,985,330	10,308,349	(676,981)
25		Total Deferred Credits	10,985,330	10,308,349	(676,981)
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	255,214	213,006	(42,208)
28	261	Property Insurance Reserve	-	-	-
29	262	Injuries and Damages Reserves	-	-	-
30	263	Pensions and Benefits Reserves	-	-	-
31	265	Miscellaneous Operating Reserves	-	-	-
32		Total Reserves	255,214	213,006	(42,208)
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	3,718,938	3,718,938	-
35		Total Liabilities and Other Credits	62,135,257	58,248,003	(3,887,254)

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

## Annual Report of the Town of Wakefield Municipal Gas &amp; Light Department

<b>STATEMENT OF INCOME FOR THE YEAR</b>			
Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenues (P. 37 and 43)	43,073,678	1,278,143
3	Operating Expenses:		
4	401 Operation Expense (P. 42 and 47)	32,994,621	1,328,808
5	402 Maintenance Expense	2,488,070	842,616
6	403 Depreciation Expense	5,411,037	1,344,113
7	407 Amortization of Property Losses	-	-
8			
9	408 Taxes (P. 49)	753,757	(64,680)
10	Total Operating Expenses	41,647,485	3,450,857
11	Operating Income	1,426,193	(2,172,714)
12	414 Other Utility Operating Income (P. 50)	-	-
13			
14	Total Operating Income	1,426,193	(2,172,714)
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	(28,245)	(710,352)
17	419 Interest Income	(5,476)	(52,870)
18	421 Miscellaneous Nonoperating Income (P. 21)	-	-
19	Total Other Income	(33,721)	(763,222)
20	Total Income	1,392,472	(2,935,936)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	-	-
23	426 Other Income Deductions	-	-
24	Total Income Deductions	-	-
25	Income Before Interest Charges	1,392,472	(2,935,936)
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	-	-
28	428 Amortization of Debt Discount and Expense	-	-
29	429 Amortization of Premium on Debt - Credit	-	-
30	431 Other Interest Expense	383,555	(65,491)
31	432 Interest: Charged to Construction - Credit	-	-
32	Total Interest Charges	383,555	(65,491)
33	<b>NET INCOME</b>	1,008,917	(2,870,445)
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		29,233,189
35			
36			
37	433 Balance Transferred from Income		1,008,917
38	434 Miscellaneous Credits to Surplus (P. 21)		410,265
39	435 Miscellaneous Debits to Surplus (P. 21)	938,839	
40	436 Appropriations of Surplus (P. 21)	6,544	
41	437 Surplus Applied to Depreciation	1,054,276	
42	208 Unappropriated Earned Surplus (at end of period)	28,652,712	
43			
44	<b>TOTALS</b>	30,652,371	30,652,371

STATEMENT OF INCOME FOR THE YEAR					
Line No.	Account (a)	Electric		Gas	
		Current Year	Increase or (Decrease) from Preceding Year	Current Year	Increase or (Decrease) from Preceding Year
1	<b>OPERATING INCOME</b>				
2	400 Operating Revenue (P. 37 and P. 43)	\$ 31,208,861	\$ 3,677,360	\$ 11,864,817	\$ 1,954,079
3	Operating Expenses:				
4	401 Operation Expense (P.42)	22,798,146	4,239,081	10,196,475	3,655,819
5	402 Maintenance Expense (P. 42)	1,824,053	471,761	664,017	184,401
6	403 Depreciation Expense	3,235,297	48,950	2,175,740	107,404
7	407 Amortization of Property Losses				
8					
9	408 Taxes (P. 49)	648,188	47,782	105,569	8,359
10	Total Operating Expenses	28,505,684	4,807,574	13,141,801	3,955,983
11	Operating Income	2,703,177	(1,130,214)	(1,276,984)	(2,001,904)
12	414 Other Utility Operating Income (P.50)				
13					
14	Total Operating Income	2,703,177	(1,130,214)	(1,276,984)	(2,001,904)
15	<b>OTHER INCOME</b>				
16	415 Inc. from Merch., Jobbing, and Contract Work	(56,970)	(54,842)	28,725	21,853
17	419 Interest Income	(11,781)	(30,277)	6,305	5,591
18	421 Miscellaneous Income				
19	Total Other Income	(68,751)	(85,119)	35,030	27,444
20	Total Income	2,634,426	(1,215,333)	(1,241,954)	(1,974,460)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>				
22	425 Miscellaneous Amortization				
23	426 Other Income Deductions				
24	Total Income Deductions	-	-	-	-
25	Income before Interest Charges	2,634,426	(1,215,333)	(1,241,954)	(1,974,460)
26	<b>INTEREST CHARGES</b>				
27	427 Interest on Bonds and Notes	-	-		
28	428 Amortization of Debt Discount and Expense	-	-		
29	429 Amortization of Premium on Debt	-	-		
30	431 Other Interest Expense	383,281	(46,660)	274	(681)
31	432 Interest Charged to Construction-Credit				
32	Total Interest Charges	383,281	(46,660)	274	(681)
33	Net Income	2,251,145	(1,168,673)	(1,242,228)	(1,973,779)

<b>CASH BALANCES AT END OF YEAR</b>			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	(8,884,241)	
2			
3			
4			
5			
6			
7			
8			
9			
10	<b>TOTAL</b>	<b>(8,884,241)</b>	
<b>MATERIALS AND SUPPLIES (Accounts 151-159, 163)</b>			
<b>Summary per Balance Sheet</b>			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
11	Fuel (Account 151) (See Schedule, Page 25)		
12	Fuel Stock Expenses (Account 152)		
13	Residuals (Account 153)		
14	Plant Materials and Operating Supplies (Account 154 & 151)	957,946	669,844
15	Merchandise (Account 155)		
16	Other Materials and Supplies (Account 156)		
17	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
18	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
19	Nuclear Byproduct Materials (Account 159)		
20	Stores Expense (Account 163)		
21	Total Per Balance Sheet	957,946	669,844
<b>DEPRECIATION FUND ACCOUNT (Account 126)</b>			
Line No.	(a)	Amount (b)	
22	<b>DEBITS</b>		
23	Balance of account at beginning of year	185,705	
24	Income during year from balance on deposit (interest)	1,697	
25	Amount transferred from income (depreciation)	5,003,574	
26	Amount transferred in from surplus & other transfers in		
27	<b>TOTAL</b>	<b>5,190,976</b>	
28	<b>CREDITS</b>		
29	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	5,003,574	
30	Amounts expended for renewals		
31	Amounts Transferred out to operating	-	
32	Amounts paid for Bond Principal Payments	-	
33	Amount repaid to Rate Stabilization	-	
34			
35			
36			
37	Balance on hand at end of year	187,402	
38	<b>TOTAL</b>	<b>5,190,976</b>	



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						NONE
2	330 Land and Land Rights	-	-	-			
3	331 Structures and Improvements	-	-	-			
4	332 Reservoirs, Dams and Waterways	-	-	-			
5	333 Water Wheels, Turbines and Generators	-	-	-			
6	334 Accessory Electric Equipment	-	-	-			
7	335 Miscellaneous Power Plant Equipment	-	-	-			
8	336 Roads, Railroads and Bridges	-	-	-			
9	Total Hydraulic Production Plant	-	-	-	-	-	-
10	D. Other Production Plant						NONE
11	340 Land and Land Rights	-	-	-			-
12	341 Structures and Improvements	4,066,228	-	359,200	-		3,707,028
13	342 Fuel Holders, Producers and Accessories	-	-	-			-
14	343 Prime Movers	-	-	-			-
15	344 Generators	-	-	-	-		-
16	345 Accessory Electric Equipment	-	-	-			-
17	346 Miscellaneous Power Plant Equipment	-	-	-			-
18	Total Other Production Plant	4,066,228	-	359,200	-	-	3,707,028
19	Total Production Plant	4,066,228	-	359,200	-	-	3,707,028
20	3. Transmission Plant						NONE
21	350 Land and Land Rights	-	-	-			-
22	351 Clearing Land and Rights of Way	-	-	-			-
23	352 Structures and Improvements	-	-	-			-
24	353 Station Equipment	-	-	-			-
25	354 Towers and Fixtures	-	-	-			-
26	355 Poles and Fixtures	-	-	-			-
27	356 Overhead Conductors and Devices	-	-	-			-
28	357 Underground Conduit	-	-	-			-
29	358 Underground Conductors and Devices	-	-	-			-
30	359 Roads and Trails	-	-	-			-
31	Total Transmission Plant	-	-	-	-	-	-

UTILITY PLANT - ELECTRIC (Concluded)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	208,522	-	-	-		208,522
3	361 Structures and Improvements	3,622,043	-	322,742	-		3,299,301
4	362 Station Equipment	6,299,412	173,305	857,656	(1)		5,615,062
5	363 Storage Battery Equipment	2,736,884	-	243,932	-		2,492,952
6	364 Poles Towers and Fixtures	447,399	113,020	139,119	(1)		421,301
7	365 Overhead Conductors and Devices	1,717,847	276,117	376,247	1,665		1,616,052
8	366 Underground Conduit	751,170	-	93,888	(1)		657,283
9	367 Underground Conductors and Devices	407,776	49,092	210,333	(353,482)		600,017
10	368 Line Transformers	725,432	320,842	181,742	21,533		842,999
11	369 Services	135,133	7,450	31,606	629		110,348
12	370 Meters	39,216	59,452	24,907	5,887		67,874
13	371 Installations on Customer's Premises	60,436	-	4,454	-		55,982
14	372 Leased Prop on Customer's Premises	-	-	-	-		-
15	373 Streetlight and Signal Systems	691,948	22,173	73,692	700		639,729
16	Total Distribution Plant	17,843,218	1,021,451	2,560,318	(323,071)	-	16,627,422
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements	-	-	-	-		-
20	391 Office Furniture and Equipment	66,561	-	23,630	-		42,931
21	392 Transportation Equipment	799,558	-	235,263	-		564,295
22	393 Stores Equipment	7,019	-	623	-		6,396
23	394 Tools, Shop and Garage Equipment	61,306	25,675	5,315	-		81,666
24	395 Laboratory Equipment	75	-	75	-		-
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	723,605	37,837	46,538	1		<b>714,903</b>
27	398 Miscellaneous Equipment	37,012	4,652	4,335	-		37,329
28	399 Other Tangible Property	-	-	-	-		-
29	Total General Plant	1,695,636	68,164	315,779	1	-	1,448,020
30	Total Electric Plant in Service	23,605,082	1,089,615	3,235,297	(323,070)	-	21,782,470
31	104 Utility Plant Leased to Others						-
32	105 Property Held for Future Use						-
33	107 Construction Work in Progress	1,200,200	1,041,333		460,634		1,780,899
34	Net Utility Plant Electric	24,805,282	2,130,948	3,235,297	137,564	-	23,563,369

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**

(Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			NUMBER 2 DIESEL		NATURAL GAS	
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year	\$ -	\$ -	\$ -		
2	Received During Year	-	-	-	-	-
3	TOTAL	\$ -	-	\$ -	-	\$ -
4	Used During Year (Note A)				-	-
5		-				
6						
7		<b>NOT APPLICABLE</b>				
8						
9						
10						
11	Sold or Transferred	-				
12	TOTAL DISPOSED OF	-	-	-	-	-
13	BALANCE END OF YEAR	\$ -	-	-	-	\$ -
			Kinds of Fuel and Oil - continued			
			LUBE OIL			
Line No.	Item (g)		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year		\$ -	\$ -		
15	Received During Year					
16	TOTAL		-	\$ -		
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF		-	-		
26	BALANCE END OF YEAR		-	-		

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



UTILITY PLANT - GAS							
1. Report below the cost of utility plant in service according to prescribed accounts		the preceding year. Such items should be included in column (c).		negative effect of such amounts.			
2. Do not include as adjustments, corrections of additions and retirements for the current or		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the		4. Reclassifications or transfers within utility plant accounts should be shown in column (f).			
UTILITY PLANT - GAS							
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	365 Land and Land Rights	218,905	-	-	-		218,905
3	366 Structures and Improvements	1,303,223	45,500	115,141	-	(1)	1,233,581
4	367 Mains	15,776,887	1,257,997	1,224,507	22,272		15,788,104
5	369 Measuring & Regulating Equipment	1,189,485	399,010	130,850	-		1,457,645
6	380 Services	4,943,631	737,712	471,335	24,963	(1)	5,185,044
7	381 Meters	367,623	7,440	63,055	23,062		288,947
8	382 Meter Installation	2,273,314	531,601	117,031	322,025		2,365,860
16	Total Distribution Plant	26,073,068	2,979,260	2,121,918	392,322	(2)	26,538,086
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements	-	-	-	-		-
20	391 Office Furniture and Equipment	16,725	-	5,875	-		10,850
21	392 Transportation Equipment	48,897	43,595	18,287	-		74,205
22	393 Stores Equipment	2,309	-	192	-		2,117
23	394 Tools, Shop and Garage Equipment	154,463	5,570	12,682	-		147,351
24	395 Laboratory Equipment	2,420	-	1,828	-		593
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	198,486	-	12,707	-		185,779
27	398 Miscellaneous Equipment	15,068	29,170	2,251	-		41,987
28	399 Other Tangible Property	-	-	-	-		-
29	Total General Plant	438,868	78,335	53,822	-	-	463,382
30	Total Gas Plant in Service	26,511,936	3,057,595	2,175,740	392,322	(2)	27,001,468
31	104 Utility Plant Leased to Others						-
32	105 Property Held for Future Use						-
33	107 Construction Work in Progress						-
34	Net Utility Plant Gas	26,511,936	3,057,595	2,175,740	392,322	(2)	27,001,468

<b>MISCELLANEOUS NONOPERATING INCOME (Account 421)</b>		
Line No	Item (a)	Amount (b)
1		-
2		
3		
4		
5		
6	<b>TOTAL</b>	-
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		-
8		
9		
10		
11		
12		
13		
14	<b>TOTAL</b>	-
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16	Sale of Scrap	35,407
17		
18	MMWEC Surplus Funds Refund	374,858
19		
20		
21		
22		
23	<b>TOTAL</b>	410,265
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25	Payments in Lieu of Taxes - Payments to Town	938,839
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	938,839
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33		
34	Surplus applied to Sinking Fund	6,544
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	6,544

<b>MUNICIPAL REVENUES (Account 482,444)</b> (K.W.H. Sold under the provision of Chapter 269, Acts of 1927)											
Line No.	Acct. No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (0.0000) (d)						
1	482	Municipal Gas	45,857,600	\$ 871,913	\$ 19.0135						
2											
3											
4						<b>TOTALS</b>					
			45,857,600	871,913	19.0135						
<b>Electric Schedule</b>											
		(a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)						
5	444	Power Sales to Public Authorities	7,677,679	\$ 1,395,341	\$ 0.1817						
6											
7											
8											
9											
10											
11		<b>TOTALS</b>	7,677,679	1,395,341	0.1817						
12	444	Public Sales - Highway Lighting	727,291	\$ 188,131	\$ 0.2587						
13											
14											
15											
16											
17		<b>TOTALS</b>	727,291	188,131	0.2587						
		<b>TOTALS</b>	8,404,970	1,583,472	0.1884						
<b>PURCHASED POWER (Account 555)</b>											
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 KWH (cents) (0.0000) (e)					
18	See Pages 54 and 55										
19											
20											
21											
22											
23											
24											
25											
26		<b>TOTALS</b>	-	-	-						
<b>SALES FOR RESALE (Account 447)</b>											
Line No.	Names of Utilities to Which Electric Energy is sold (a)		Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)					
27	NONE										
28											
29											
30											
31											
32											
33											
34								<b>TOTALS</b>	-	-	-

**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 meters, plus number of late rate accounts except 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 on Commercial and Industrial Sales, Account 442, 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. 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	15,336,058	1,875,021	84,016,758	584,879	11,349	172
3	442 Commercial and Industrial Sales:						
4	Small or Commercial	2,586,291	249,514	14,152,306	(137,052)	1,518	(10)
5	Large or Industrial Sales	10,057,208	1,043,896	57,090,003	(1,216,010)	260	2
6	444 Municipal Sales	1,583,472	192,417	8,404,970	166,064	167	0
7	445 Other Sales to Public Authorities	-	-	-	-	-	-
8	446 Sales to Railroads and Railways	-	-	-	-	-	-
9	448 Interdepartmental Sales	-	-	-	-	-	-
10	449 Miscellaneous Sales	-	-	-	-	-	-
11	<b>Total Sales to Ultimate Consumers</b>	29,563,029	3,360,848	163,664,037	(602,119)	13,294	164
12	447 Sales for Resale	-	-	-	-	-	-
13	<b>Total Sales of Electricity *</b>	29,563,029	3,360,848	163,664,037	(602,119)	13,294	164
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	108,043	1,099				
16	451 Miscellaneous Service Revenues	-	-				
17	453 Sales of Water and Water Power	-	-				
18	454 Rent from Electric Property	-	-				
19	455 Interdepartmental Rents	-	-				
20	456 Other Electric Revenues	1,537,789	724,853				
21							
22							
23							
24							
25	Total Other Operating Revenues	1,645,832	725,952				
26	Total Electric Operating Revenue	31,208,861	4,086,800				
				* Inclusive of revenues from applicable fuel clauses		\$	29,563,029
				Total kWh to which applied			161,766,539

**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

Report by account number the kWh of electricity 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 KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440	Residential Sales	84,016,758	15,336,058	0.1825	11,366	11,340
2	442	Commercial Sales	12,982,099	2,498,222	0.1924	1,520	1,517
3	442-1	Power Sales	57,090,003	10,057,208	0.1762	260	262
4	444	Public Sales - Highway Lighting	727,291	188,131	0.2587	-	-
5	444	Other Sales to Public Authorities	7,677,679	1,395,341	0.1817	167	167
6	451	Private Area Lighting	1,170,207	88,069	0.0753	-	-
7							
8							
9							
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44							
45							
46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (page 37 Line 11)		163,664,037	29,563,029	0.1806	13,313	13,286

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>			
1. Enter in the space provided the operation and maintenance expenses for the year			
2. If the increases and decreases are not derived from previously reported figures, explain in footnote			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>		
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering	-	-
5	501 Fuel	-	-
6	502 Steam Expenses	-	-
7	503 Steam from other sources	-	-
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	-	-
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	<b>NUCLEAR POWER GENERATION</b>		
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	-	-
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	-	-
36	530 Maintenance of reactor plant	-	-
37	531 Maintenance of electric plant	-	-
38	532 Maintenance of miscellaneous nuclear plant	-	-
39	Total Maintenance	-	-
40	Total power production expenses -nuclear power	-	-
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering	-	-
44	536 Water for power	-	-
45	537 Hydraulic expenses	-	-
46	538 Electric expenses	-	-
47	539 Miscellaneous hydraulic power generation expenses	-	-
48	540 Rents	-	-
49	Total Operation	-	-

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - Continued</b>		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	-	-
4	542 Maintenance of structures	-	-
5	543 Maintenance or reservoirs, dams and 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	<b>OTHER POWER GENERATION</b>		
11	Operation:		
12	546 Operation supervision and engineering	-	-
13	547 Fuel	-	-
14	548 Generation Expenses	-	-
15	549 Miscellaneous other power generation expense	-	-
16	550 Rents	-	-
17	Total Operation	-	-
18	Maintenance:		
19	551 Maintenance supervision and engineering	-	-
20	552 Maintenance of Structures	-	-
21	553 Maintenance of generating and electric plant	-	-
22	554 Maintenance of miscellaneous other power generation plant	-	-
23	Total Maintenance	-	-
24	Total power production expenses - other power	-	-
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased power	17,923,195	3,772,309
27	556 System control and load dispatching	-	-
28	557 Other expenses	-	-
29	Total other power supply expenses	17,923,195	3,772,309
30	Total power production expenses	17,923,195	3,772,309
31	<b>TRANSMISSION EXPENSES</b>		
32	Operation:		
33	560 Operation supervision and engineering	-	-
34	561 Load dispatching	-	-
35	562 Station expenses	-	-
36	563 Overhead line expenses	-	-
37	564 Underground line expenses	-	-
38	565 Transmission of electricity by others	-	-
39	566 Miscellaneous transmission expenses	-	-
40	567 Rents	-	-
41	Total Operation	-	-
42	Maintenance:		
43	568 Maintenance supervision and engineering	-	-
44	569 Maintenance of structures	-	-
45	570 Maintenance of station equipment	-	-
46	571 Maintenance of overhead lines	-	-
47	572 Maintenance of underground lines	-	-
48	573 Maintenance of miscellaneous transmission plant	-	-
49	Total maintenance	-	-
50	Total transmission expenses	-	-

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	Operation:		
3	580 Operation supervision and engineering	-	-
4	581 Load dispatching (Operation Labor)	887,258	(171,041)
5	582 Station expenses	685,462	191,580
6	583 Overhead line expenses	(182,831)	(78,845)
7	584 Underground line expenses	2,382	(8,352)
8	585 Street lighting and signal system expenses	14,750	6,711
9	586 Meter expenses	30,625	20,323
10	587 Customer installations expenses	7,375	3,372
11	588 Miscellaneous distribution expenses	104,737	19,728
12	589 Rents	-	-
13	Total operation	1,549,758	(16,524)
14	Maintenance:		
15	590 Maintenance supervision and engineering	-	-
16	591 Maintenance of structures	233,622	7,015
17	592 Maintenance of station equipment	6,503	1,671
18	593 Maintenance of overhead lines	1,517,439	535,599
19	594 Maintenance of underground lines	-	-
20	595 Maintenance of line transformers	-	(18,044)
21	596 Maintenance of street lighting and signal systems	-	-
22	597 Maintenance of meters	-	-
23	598 Maintenance of miscellaneous distribution plant	-	-
24	Total maintenance	1,757,564	526,241
25	Total distribution expenses	3,307,322	509,717
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	-	-
29	902 Meter reading expenses	46,631	4,144
30	903 Customer records and collection expenses	718,859	173,348
31	904 Uncollectible accounts	4,717	(6,116)
32	906 Conservation & Rebates	517,398	332,765
33	Total customer accounts expenses	1,287,605	504,141
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	-	-
37	912 Demonstrating and selling expenses	-	-
38	913 Advertising expenses	322,998	269,579
39	916 Miscellaneous sales expenses	-	-
40	Total sales expenses	322,998	269,579
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	561,420	95,037
44	921 Office supplies and expenses	444,432	130,648
45	922 Administrative expenses transferred - Cr	-	-
46	923 Outside services employed	215,106	(4,420)
47	924 Property insurance	58,821	(1,674)
48	925 Injuries and damages	81,951	56,858
49	926 Employee pensions and benefits	199,061	(544,591)
50	928 Regulatory commission expenses	-	-
51	929 Store Expense	-	-
52	930 Miscellaneous general expenses	153,799	(22,282)
53	931 Rents	-	-
54	Total operation	1,714,590	(290,424)

<b>ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued</b>				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES - Cont.</b>			
2	Maintenance:			
3	932 Maintenance of general plant	66,489	(54,480)	
4	Total administrative and general expenses	1,781,079	(344,904)	
5	Total Electric Operation and Maintenance Expenses	24,622,199	4,710,842	
<b>SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	<b>Power Production Expenses</b>			
7	Electric Generation:			
8	Steam Power:	-	-	-
9	Nuclear Power	-	-	-
10	Hydraulic Power	-	-	-
11	Other Power	-	-	-
12	Other Power Supply Expenses	17,923,195	-	17,923,195
13	Total power production expenses	17,923,195	-	17,923,195
14	Transmission Expenses	-	-	-
15	Distribution Expenses	1,549,758	1,757,564	3,307,322
16	Customer Accounts Expenses	1,287,605	-	1,287,605
17	Sales Expenses	322,998	-	322,998
18	Administrative and General Expenses	1,714,590	66,489	1,781,079
19	Total Electric Operation and			
20	Maintenance Expenses	22,798,146	1,824,053	24,622,199
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)			89.26%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			3,561,733
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			26.00 FTE.'s

**GAS OPERATING REVENUES (Account 480)**

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 meters, plus number of late rate accounts except 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 on Commercial and Industrial Sales, Large (or Industrial) may be according to the basis of classification regularly used by the respondent.

Line No.	Account (a)	Operating Revenues		MCF Sold (1,000 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	<b>SALES OF GAS</b>						
2	480 Residential Sales	8,249,147	1,422,926	413,608.4	(3,048)	6,489	39
3	481 Commercial and Industrial Sales:						
4	Small or Commercial	2,469,918	376,733	129,329.3	(5,354)	604	(3)
5	Large or Industrial Sales	-	-	-	-	-	-
6	482 Municipal Sales (P. 22)	871,913	171,372	45,857.6	268	47	-
7	483 Other Sales	-	-	-	-	-	-
8	485 Miscellaneous Gas Sales	-	-	-	-	-	-
9	<b>Total Sales to Ultimate Consumers</b>	11,590,978	1,971,031	588,795.3	(8,134.1)	7,140	36
10	483 Sales for Resale	-	-	-	-	-	-
11	<b>Total Sales of Gas*</b>	11,590,978	1,971,031	588,795.3	(8,134.1)	7,140	36
12	<b>OTHER OPERATING REVENUES</b>						
13	487 Forfeited Discounts	24,652	(2,121)				
14	488 Miscellaneous Service Revenues	-	-				
15	489 Revenues from Trans. Of Gas of Others	-	-				
16	490 Sales of Products Extracted from Natural Gas	-	-				
17	491 Rev. from Natural Gas Processed by Other	-	-				
18	493 Rent from Gas Property	-	-				
19	494 Interdepartmental Rents	-	-				
20	495 Other Gas Revenues	249,187	(14,831)				
21	Total Other Operating Revenues	273,839	(16,952)				
22	Total Gas Operating Revenue	11,864,817	1,954,079				
23							
24							

\* Inclusive of revenues from applicable fuel clauses \$ 11,590,978

Total MCF to which applied 588,795.3

**SALES OF GAS TO ULTIMATE CONSUMERS**

Report by account number M.C.F of gas 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. Sold (b)	Revenue (c)	Average Revenue per M.C.F. (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	480	Residential Sales	25,883.8	613,436	23.6996	1,262	1,258
2	480	Gas Heating Sales	504,892.3	9,856,466	19.5219	5,736	5,881
3	481	Commercial & Industrial	12,161.6	249,163	20.4877	102	100
4	482	Sales to Public Authorities	45,857.6	871,913	19.0135	47	47
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46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (page 43 Line 9)		588,795.3	11,590,978	19.6859	7,147	7,286

Next page is 46

<b>GAS OPERATION AND MAINTENANCE EXPENSES</b>			
1. Enter in the space provided the operation and maintenance expenses for the year			
2. If the increases and decreases are not derived from previously reported figures, explain in footnote			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>OTHER GAS SUPPLY EXPENSES</b>		
3	Operation:		
4	804 Natural gas city gate purchases	8,720,414	3,446,924
5	Maintenance:	-	-
6	Total other gas supply expenses	-	-
7	Total production expenses	8,720,414	3,446,924
8	Total Operation	8,720,414	3,446,924
9	<b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
10	Operation:		
11	850 Operation supervision and engineering	144,745	(2,623)
10	851 System control and load dispatching	-	-
11	852 Communication system expenses	-	-
12	853 Compressor station labor and expenses	287,167	103,500
13	855 Fuel and power for compressor stations	-	-
14	857 Measuring and regulating station expenses	-	-
15	858 Transmission and compression of gas by others	-	-
16	874 Mains and services expenses	45,930	932
17	878 Meter and house regulator expenses	-	-
18	879 Customer installations expenses	258,550	89,403
19	880 Other expenses	75,620	(10,204)
20	881 Rents	-	-
21	Total Operation	812,012	181,008
22	Maintenance:		
23	885 Maintenance supervision and engineering	-	-
24	886 Maintenance of structures and improvements	-	-
25	887 Maintenance of mains	561,908	152,491
26	888 Maintenance of compressor station	-	-
27	889 Maintenance of measuring and regulating station equipment	-	-
28	892 Maintenance of services	-	-
29	893 Maintenance of meters and house regulators	16,080	(3,525)
30	894 Maintenance of other equipment	63,786	45,593
31	Total Maintenance	641,774	194,559
32	Total Transmission and Distribution	1,453,786	375,567
33	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
34	Operation:		
35	901 Supervision	-	-
36	902 Meter reading expenses	15,543	(848)
37	903 Customer records and collection expenses	249,343	72,196
38	904 Uncollectable accounts	3,419	(20,474)
39	905 Miscellaneous customer accounts expenses	-	-
40	Total Customer Accounts Expense	268,305	50,874
41	<b>SALES EXPENSES</b>		
42	Operation:		
43	911 Supervision	-	-
44	912 Demonstrating and selling expenses	-	-
45	913 Advertising expenses	10,942	5,124
46	916 Miscellaneous sales expenses	-	-
47	Total Sales Expenses	10,942	5,124

<b>GAS OPERATION AND MAINTENANCE EXPENSES - Continued</b>			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
2	Operation:		
3	920 Administrative and general salaries	186,618	18,082
4	921 Office supplies and expenses	143,721	41,119
5	922 Administrative expenses transferred -Cr.	-	-
6	923 Outside services employed	20,668	(38,210)
7	924 Property insurance	3,601	(102)
8	925 Injuries and damages	32,765	14,779
9	926 Employees pensions and benefits	(120,160)	(179,455)
10	928 Regulatory commission expenses	-	-
11	929 Duplicate charges-Cr.	-	-
12	930 Miscellaneous general expenses	117,589	115,676
13	931 Rents	-	-
14	Total Operation	384,802	(28,111)
15	Maintenance:		
16	932 Maintenance of general plant	22,243	(10,158)
17	Total Maintenance	22,243	(10,158)
18	Total Administrative and General Expenses	407,045	(38,269)
19	Total Gas Operation and Maintenance Expense	10,860,492	3,840,220

<b>SUMMARY OF GAS OPERATION AND MAINTENANCE EXPENSES</b>				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
20	Other gas supply expenses	8,720,414	-	8,720,414
21	Total Production expenses	8,720,414	-	8,720,414
22	Local storage expenses	-	-	-
23	Transmission and distribution expenses	812,012	641,774	1,453,786
24	Customer accounts expenses	268,305	-	268,305
25	Sales expenses	10,942	-	10,942
26	Administrative and general expenses	384,802	22,243	407,045
27	Total gas operation and maintenance	10,196,475	664,017	10,860,492
28	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%) Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 47, line 20 (d), Depreciation (Acct 403) and Amortization ( Acct 407)			109.87%
29	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts.			1,789,290
30	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			14.00 FTE.'s

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

<b>SALES FOR RESALE (Account 483)</b>					
Line No.	Names of Companies to Which Gas is Sold (a)	Where Delivered and Where and How Measured (b)	MMBTU (c)	Rate Per MMBTU (d)	Amount (e)
1				-	-
2					
3		NONE			
4					
5					
6	<b>TOTALS</b>			-	-

<b>SALE OF RESIDUALS (Accounts 730, 731)</b>							
State the revenues and expenses of the respondent resulting from the sale of residuals.							
Line No.	Kind (a)	Revenue (b)	Inventory Cost (c)	Labor, Handling, Selling, Etc. (d)	Other (e)	Total Cost (f)	Net Revenue (g)
7						-	-
8							
9			NONE				
10							
11							
12	<b>TOTALS</b>					-	-

<b>PURCHASED GAS (Accounts 804 - 806)</b>						
Line No.	Names of Companies From Which Gas is Purchased (a)	Where Received and Where and How Measured (b)	M.C.F (1,000 BTU) (c)	Rate Per M.C.F (d)	Amount (e)	
13		480 North Avenue, Meter house in rear of Fire Station on Oak Street, Greenwood, Meter house on Salem Street near Wakefield/Lynnfield town line, Meter house on Broadway				
14	Sprague Energy		635,998	\$ 10.9924	\$ 6,991,131	
15						
16	National Grid		2,140	\$ 16.6439	\$ 35,618	
17						
18						
19		All locations are metered				
20	<b>TOTALS</b>			638,138	11.0113	7,026,749

**TAXES CHARGED DURING THE YEAR**

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.  
 2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts

3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.  
 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.

5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.  
 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
1									
2									
3	Commonwealth of Massachusetts	\$ 753,757	\$ 648,188	\$ 105,569					
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33	TOTALS	\$ 753,757	\$ 648,188	\$ 105,569					

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 Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2	NONE				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
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36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46	TOTALS	\$ -	\$ -	\$ -	\$ -

<b>INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)</b>					
Report by utility departments the revenue, costs, expenses, and net income from merchandising, jobbing and contract work during the 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				
4	Contract work	151,676	30,827		182,503
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	151,676	30,827	-	182,503
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
17	Materials	208,646	2,102		210,748
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49	TOTAL COSTS AND EXPENSES	208,646	2,102	-	210,748
50	Net Profit (or loss)	(56,970)	28,725	-	(28,245)







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.

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).

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

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	115,000 V	-	-	-	4,785	4,785	N/A	1
60 MINUTES	115,000 V	9,566,933	73,187	59,283	331,334	463,804	\$0.0485	2
60 MINUTES	115,000 V	385,688	234,848	96,186	10,829	341,863	\$0.8864	3
60 MINUTES	115,000 V	4,154,960	540,799	458,035	15,135	1,013,969	\$0.2440	4
60 MINUTES	115,000 V	692,997	15,469	3,174	50	18,693	\$0.0270	5
60 MINUTES	115,000 V	5,646,155	187,935	35,086	8,592	231,613	\$0.0410	6
60 MINUTES	115,000 V	12,923,527	428,431	80,309	19,665	528,405	\$0.0409	7
60 MINUTES	115,000 V	16,987,975	374,005	77,805	1,233	453,043	\$0.0267	8
60 MINUTES	115,000 V	2,363,294	53,570	10,824	172	64,566	\$0.0273	9
60 MINUTES	115,000 V	22,223,702	491,432	101,785	1,613	594,830	\$0.0268	10
		-	-	-	3,171,614	3,171,614	N/A	11
		60,145,120	878,865	4,181,536	-	5,060,401	N/A	12
60 MINUTES	115,000 V	2,946,231	634,704	-	-	634,704	\$0.2154	13
60 MINUTES	115,000 V	2,985,706	-	173,619	992	174,611	\$0.0585	14
60 MINUTES	115,000 V	5,852,913	-	262,720	1,411	264,131	\$0.0451	15
60 MINUTES	115,000 V	895,632	167,256	-	-	167,256	\$0.1867	16
60 MINUTES	115,000 V	-	(66,064)	-	(102,484)	(168,548)	N/A	17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
	TOTALS:	147,770,833	\$ 4,014,437	\$ 5,540,362	\$ 3,464,941	\$ 13,019,740		36

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Non-utilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).

3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction 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)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1	NEPEX				175,169,090	147,490,710	27,678,380	4,284,215
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				175,169,090	147,490,710	27,678,380	4,284,215

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	3,989,836
14		NEPOOL EXPENSE	294,379
15			
16			
17			
18			
19			
20			
21	TOTAL		4,284,215

**ELECTRIC ENERGY ACCOUNT**

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

Line No.	Item (a)		Kilowatt-hours (b)
1	<b>SOURCES OF ENERGY</b>		
2	Generation		
3	Steam		-
4	Nuclear		-
5	Hydro		-
6	Other		-
7	Total Generation		-
8	Purchases		147,770,833
9		( In (gross) 175,169,090	
10	Interchanges	< Out (gross) 147,490,710	
11		( Net (Kwh)	27,678,380
12		( Received -	
13	Transmission for/by others (wheeling)	< Delivered -	
14		( Net (Kwh)	
15	<b>TOTAL</b>		<b>175,449,213</b>
16	<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales)		163,664,037
18	Sales for resale		-
19	Energy furnished without charge		
20	Energy used by the company (excluding station use):		
21	Electric department only		2,813,990
22	Energy losses		
23	Transmission and conversion losses	-	
24	Distribution losses	8,971,186	
25	Unaccounted for losses	-	
26	Total energy losses		8,971,186
27	Energy losses as percent of total on line 15	5.11%	
28		<b>TOTAL</b>	<b>175,449,213</b>

**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 purchase 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</p> | <p>as to the nature of the emergency.</p> <p>3. State type of monthly peak reading (instantaneous 15, 30, or 60 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> |
|---|--|

**Town of Wakefield**

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See Instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	28,929	Saturday	15	7:00 PM	60 min	16,744,551
30	February	29,248	Tuesday	1	11:00 AM	60 min	14,084,023
31	March	24,881	Tuesday	1	8:00 AM	60 min	13,947,636
32	April	20,295	Thursday	7	12:00 PM	60 min	11,883,805
33	May	29,315	Sunday	22	4:00 PM	60 min	13,202,309
34	June	31,702	Sunday	26	3:00 PM	60 min	14,325,301
35	July	40,840	Thursday	21	1:00 PM	60 min	19,345,090
36	August	41,328	Friday	5	3:00 PM	60 min	18,885,848
37	September	27,367	Monday	12	3:00 PM	60 min	13,113,141
38	October	20,345	Tuesday	25	4:00 PM	60 min	12,074,797
39	November	22,445	Monday	28	6:00 PM	60 min	12,663,138
40	December	26,493	Monday	19	6:00 PM	60 min	15,179,576
41						<b>TOTAL</b>	<b>175,449,215</b>

**GENERATING STATIONS**

**GENERATING STATION STATISTICS (Large Stations)**  
(Except Nuclear)

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	Kind of plant (Steam, Hydro, Int. Comb.)	NONE			
2	Type of plant construction (conventional outdoor boiler, full outdoor, etc)				
3	Year originally constructed				
4	Year last unit installed				
5	Total installed capacity (maximum generator name plate ratings in kw)				
6	Net peak demand on plant-kilowatts (60 min)				
7	Plant hours connected to load				
8	Net continuous plant capability, kilowatts:				
9	(a) when not limited by condenser water				
10	(b) when limited by condenser water				
11	Average number of employees				
12	Net generation, exclusive of station use				
13	Cost of plant (omit cents):				
14	Land and land rights				
15	Structures and improvements				
16	Reservoirs, dams and waterways				
17	Equipment costs				
18	Roads, railroads and bridges				
19	Total cost		-		
20	Cost per kw of installed capacity				
21	Production expenses:				
22	Operation supervision and engineering				
23	Station labor				
24	Fuel				
25	Supplies & Expenses, including water				
26	Maintenance				
27	Rents				
28	Steam from other sources				
29	Steam transferred - credit				
30	Total production expenses	-			
31	Expenses per net Kwh (5 places)				
32	Fuel: Kind				
33	Unit(coal-tons of 2,000 lb)(oil-barrels of 42 gals.)Gas-Mcu.ft.)(nuclear,indicate)				
34	Quantity (units) fuel consumed				
35	Average heat content of fuel (B.t.u. per lb of coal, per gal. of oil, or per cu.ft. of gas)				
36	Average cost of fuel per unit, del fob plant				
37	Average cost of fuel per unit consumed				
38	Average cost of fuel consumed per million B.t.u.				
39	Average cost of fuel consumed per kwh net gen				
40	Average B.t.u. per kwh net generation				

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					
7					
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12					
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20					
HYDROELECTRIC GENERATING STATIONS					Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
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GENERATING STATIONS								Page 64
COMBUSTION ENGINE AND OTHER GENERATING STATIONS (Except Nuclear)				Pages 64-65				
Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	PRIME MOVERS				
				Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)	
1	NONE							
2								
3								
4								
5								
6								
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22								

**GENERATING STATIONS**

COMBUSTION ENGINE AND OTHER GENERATING STATIONS  
(Except Nuclear) Pages 64-65

PRIME MOVERS CONTINUED		Generators						Total Installed Generating Capacity in Kilowatts (name plate rating) (p)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime movers (l)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or dc. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station		
									1
									2
									3
									4
									5
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									19
									20
									21
					TOTALS	0	0	0	22

GENERATING STATION STATISTICS (Small Stations)					Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	<b>NONE</b>				
2					
3					
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<b>TRANSMISSION LINE STATISTICS</b>								
Report information concerning transmission line as indicated below.								
Line No.	Designation		Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductors and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1								
2								
3		NONE						
4								
5								
6								
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47								
48								
49								
50								
51								
52	TOTALS				-	-	-	

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

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.  
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.  
 3. Substations with capacities of less than 5000 kVa, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.  
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give

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

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment			
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)	
1	Wakefield Substation	Distribution	13,800	4,169		6,000	2	-				
2	Wakefield Avenue, Wakefield	Unattended										
3												
4												
5	Marcus Beebe	Distribution	115,000	13,800		110,000	2	-				
6	Farm Street, Wakefield	Unattended										
7												
8												
9	Wallace Substation	Distribution	115,000	13,800		120,000	2	-				
10	Salem Street, Wakefield	Unattended										
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26	TOTALS						236,000	6	-			

<b>OVERHEAD DISTRIBUTION LINES OPERATED</b>					
Line No.		Length (Pole Miles)			
		Wood Poles	Steel Towers	Total	
1	Miles -- Beginning of Year	65.4	-	65.4	
2	Added During Year	1.2		1.2	
3	Retired During Year	1.2		1.2	
4	Miles -- End of Year	65.4	-	65.4	
5					
6					
7					
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power				
9					
10	Three-phase, AC distribution system, 60 cycles, 13,800 volts				
11					
12					
13					
14					
15					

  

<b>ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS</b>					
Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	8,066	13,217	1,312	141,537
17	Additions during year				
18	Purchased	-			
19	Installed	64	146	66	5,795
20	Associated with utility plant acquired				
21	Total Additions	64	146	66	5,795
22	Reductions during year:				
23	Retirements & other reductions	24	77	40	3,858
24	Associated with utility plant sold				
25	Total Reductions	24	77	40	3,858
26	Number at end of year	8,106	13,286	1,338	143,474
27	In stock		621	123	14,491
28	Locked meters on customers' premises				
29	Inactive transformers on system			-	-
30	In customers' use		13,286	1,338	143,474
31	In company's use		6	8	814
32	Number at end of year		13,913	1,469	158,779

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 System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable			
			Miles * (c)	Operating Voltage (d)	Feet * (e)	Operating Voltage (f)		
1	UNDERGROUND DISTRIBUTION SYSTEM	44.70	13.85 miles 3 conductor	13,800	NONE			
2								
3								
4								
5							6.67 miles of single conductor	13,800
6								
7								
8							4.28 miles of 3 conductor	4,160
9								
10								
11							0.15 miles single conductor	4,160
12								
13								
14							.38 miles of 3 conductor	230
15								
16								
17							6.84 miles of 2 conductor	230
18								
19								
20							7.0 miles of single conductor	230
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43	TOTALS	44.70	161.0		-			

\*indicate number of conductors per cable

**STREET LAMPS CONNECTED TO SYSTEM**

Line No.	City or Town (a)	Total (b)	Type							
			L. E. D.		Mercury Vapor		Incandescent & Other		H. P. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Wakefield	3,256	2,574	55	-	13	68	139	114	293
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
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36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	3,256	2,574	55	-	13	68	139	114	293

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							
2	Gas Made						
3	Gas						
4	Gas						
5	Gas						
6	TOTAL						
7							
8	Gas Purchased						
9	Natural						
10	Other						
11	TOTAL	638,138	138,870	98,267	79,581	47,473	24,346
12							
13							
14	TOTAL MADE &	638,138	138,870	98,267	79,581	47,473	24,346
15	PURCHASED						
16							
17	Net Change in						
18	Holder Gas						
19	TOTAL SENDOUT	638,138	138,870	98,267	79,581	47,473	24,346
20							
21							
22	Gas Sold	598,797	105,215	130,886	93,077	62,080	35,555
23	Gas Used by Company	8,682	753	1,130	785	388	557
24	Gas Accounted for	607,479	105,968	132,016	93,862	62,468	36,112
25	Gas Unaccounted for	30,659	32,902	(33,749)	(14,281)	(14,995)	(11,766)
26	% Unaccounted						
27	for (0.00%)	4.80%	23.69%	(34.34%)	(17.95%)	(31.59%)	(48.33%)
28							
29							
30	Sendout in 24 Hours						
31	in MCF						
32	Maximum MCF	6,560	6,560	5,731	4,384	2,259	1,515
33	Maximum Date	1/15/22	1/15/22	2/14/22	3/3/22	4/6/22	5/8/22
34	Minimum MCF	358	1,870	1,290	921	896	459
35	Minimum Date	8/6/22	1/1/22	2/17/22	3/18/22	4/13/22	5/27/22
36							
37							
38							
39							
40							
41							
42							
43	BTU Content of Gas						
44	Delivered to Customers			1038 per Cubic Foot			
45							
46							
47							
48							
49							
50							
51							

RECORD OF SENDOUT FOR THE YEAR IN MCF BASED ON 1000 BTU PER CUBIC FOOT							
Line No.	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	15,460	13,787	13,424	15,600	30,875	59,224	101,231
12							
13							
14	15,460	13,787	13,424	15,600	30,875	59,224	101,231
15							
16							
17							
18							
19	15,460	13,787	13,424	15,600	30,875	59,224	101,231
20							
21							
22	19,074	13,060	10,748	12,576	18,424	36,818	61,284
23	398	904	1,016	531	649	828	743
24	19,472	13,964	11,764	13,107	19,073	37,646	62,027
25	(4,012)	(177)	1,660	2,493	11,802	21,578	39,204
26							
27	(25.95%)	(1.28%)	12.37%	15.98%	38.23%	36.43%	38.73%
28							
29							
30							
31							
32	642	729	747	759	1,761	3,954	5,633
33	6/25/22	7/21/22	8/9/22	9/23/22	10/28/22	11/20/22	12/24/22
34	438	364	358	415	564	507	1,363
35	6/28/22	7/23/22	8/6/22	9/9/22	10/7/22	11/6/22	12/7/22
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							

**TRANSMISSION AND DISTRIBUTION MAINS**

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

Line No.	Diameter	Total Length in Feet at Beginning of the year	Added During the Year	Taken Up During Year	Abandoned but Not Removed During the Year	Total Length in Feet at the End of the year
1						
2	DISTRIBUTION - CAST IRON MAINS					
3						
4	3"	561	-	-	191	370
5	4"	1,745	-	-	748	997
6	6"	-	-	-	-	-
7	10"	-	-	-	-	-
8						
9	Sub Total	2,306	-	-	939	1,367
10						
11	DISTRIBUTION - STEEL PIPE					
12						
13	1"	-	-	-	-	-
14	1¼"	-	-	-	-	-
15	1½"	75	-	-	-	75
16	2"	6,555	-	-	66	6,489
17	3"	23,061	-	-	988	22,073
18	4"	63,475	-	-	5,986	57,489
19	6"	8,337	-	-	214	8,123
20	8"	100	-	-	-	100
21	10"	2,015	-	-	-	2,015
22						
23	Sub Total	103,618	-	-	7,254	96,364
24						
25	DISTRIBUTION - PLASTIC PIPE					
26						
27	1"	473	-	-	-	473
28	1¼"	425	-	-	-	425
29	2"	22,866	-	-	1,127	21,739
30	3"	4,338	-	-	-	4,338
31	4"	106,432	1,179	-	-	107,611
32	6"	143,018	7,081	-	-	150,099
33	8"	81,898	861	-	-	82,759
34	12"	2,816	-	-	-	2,816
35						
36	Sub Total	362,266	9,121	-	1,127	370,260
37						
38	DISTRIBUTION - STEEL MAINS WELDED					
39						
40	4"	1,550	-	-	-	1,550
41	10"	2,150	-	-	-	2,150
42						
43	Sub Total	3,700	-	-	-	3,700
44						
45	Grand Totals	471,890	9,121	-	9,320	471,691
46						
47						

<b>GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS</b>		<b>PAGE 78</b>		
Line No.	Item	Gas Services	House Governors	Meters
1				
2	Number at beginning of year:	5,162	-	7,268
3	Additions during year			
4	Purchased	-	-	-
5	Installed	29	-	40
6	Associated with utility plant acquired	-	-	
7	Total Additions	29	-	40
8				
9	Reductions during year:			
10	Retirements	10	-	22
11	Associated with utility plant sold	-	-	
12	Total Reductions	10	-	22
13	Number at end of year	5,181	-	7,286
14				
15	In stock			509
16	On Customers' Premises - Inactive			-
17	On Customers' Premises - Active			7,286
18	In Company Use			6
19	Number at end of year			7,801
20				
21	Number of Meters Tested by State Inspectors			
22	During Year			996
23				

\* Note Meters on Customers' Premises should equal

Page 44 and Page 4

**RATE SCHEDULE INFORMATION**

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

Effective Date	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
August 1, 2009	MDPU 47	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 48	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 50	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 50M	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 76	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 77	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 78	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 79	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 80	NO CHANGES → SEE ATTACHED		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

*Peter D. Dion*

Peter D. Dion General Manager

Manager of Electric Light

*Jennifer L. Kallay*

Jennifer L. Kallay Chair

*Elton Prifti*

Elton Prifti Secretary

*Thomas H. Boettcher*

Thomas H. Boettcher

*Philip R. Courcy*

Philip R. Courcy

*John J. Warchol*

John J. Warchol

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

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

SS

20

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

**MDPU No. 47**  
**Effective August 1, 2009**  
**Cancels MDTE No. 44**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**DOMESTIC GAS RATE A**

**Availability**

Service under this rate is available for all Domestic purposes in an individual private dwelling or an individual apartment.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.8002 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager  
Michael P. McCarthy, Chairman  
Kenneth J. Chase, Jr.  
John J. Warchol Jr.  
Stephen McGrail  
Kevin Haggerty

9 Albion Street  
Wakefield, Massachusetts 01880

**MDPU No. 48**  
**Effective August 1, 2009**  
**Cancels MDTE No. 45**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**DOMESTIC GAS RATE B**

**Availability**

Service under this rate is available for all Domestic purposes in an individual private dwelling or an individual apartment. provided gas is the only fuel used for heating the premises. Service under this rate is also available in buildings other than residences for the following purposes only: space heating where the customer's premises are heated exclusively by gas and for air conditioning.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$6.25 per month
Delivery Charge	\$0.5988 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

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**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager  
Michael P. McCarthy, Chairman  
Kenneth J. Chase, Jr.  
John J. Warchol Jr.  
Stephen McGrail  
Kevin Haggerty

9 Albion Street  
Wakefield, Massachusetts 01880

**MDPU No. 50  
Effective August 1, 2009  
Cancels MDTE No. 46**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT  
GENERAL GAS RATE C**

**Availability**

Service under this rate is available for all commercial and industrial purposes.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.7658 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager

Michael P. McCarthy, Chairman

Kenneth J. Chase, Jr.

John J. Warchol Jr.

Stephen McGrail

Kevin Haggerty

9 Albion Street

Wakefield, Massachusetts 01880

**MDPU No. 50M**  
**Effective August 1, 2009**  
**Cancels MDTE No. 46**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**MUNICIPAL GAS RATE D**

**Availability**

Service under this rate is available for all municipal non-heating purposes.

**Heating Value of Gas**

The gas supplied hereunder shall have a thermal value of not less than 1,000 British thermal units per cubic foot (ft<sup>3</sup>).

**Rate**

Customer Charge	\$5.25 per month
Delivery Charge	\$0.7658 per ccf
Cost of Gas Charge	\$1.2000 per ccf

**Cost of Gas Adjustment Charge**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Cost of Gas Adjustment charge calculation.

**Discount**

A discount of 5% will be applied to all bills paid on or before the 15<sup>th</sup> day following billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Cost of Gas Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

Peter D. Dion, General Manager

Michael P. McCarthy, Chairman

Kenneth J. Chase, Jr.

John J. Warchol Jr.

Stephen McGrail

Kevin Haggerty

9 Albion Street

Wakefield, Massachusetts 01880

**MDPU No. 76**  
**Effective January 1, 2020**  
**Cancel MDPU No. 73**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Domestic Electric Rate A**

**Availability**

Service under this rate is available for all domestic purposes in all residential dwelling units, including electric space heating, provided that the space heating equipment has been approved by our Department.

Also available for space heating in commercial or industrial buildings provided that all space heating is electric and is approved by our Department.

**Rate**

Customer Charge	\$6.00 per month
Distribution Charge	\$0.0442 per kilowatt-hour
Energy Charge	\$0.0908 per kilowatt-hour

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

**Minimum Bill**

The Customer Charge

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

October 2, 2019

**Date Effective:**

January 1, 2020

**Filed by:**

Peter D. Dion, General Manager  
John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 77**  
**Effective January 1, 2020**  
**Cancel MDPU No. 74**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Commercial Electric Rate B**

**Availability**

Service under this rate is available for use in stores, factories, other places of business and to others to whom the Domestic Electric Rate does not apply and where the total monthly use does not exceed 5,000 kilowatt-hours.

Also available for space heating in commercial or industrial buildings where all space heating is electric and is approved by our Department.

**Rate**

Customer Charge	\$8.00 per month
Distribution Charge	\$0.0470 per kilowatt-hour
Energy Charge	\$0.0956 per kilowatt-hour

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

**Minimum Bill**

The Customer Charge

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

October 2, 2019

**Date Effective:**

January 1, 2020

**Filed by:**

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John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 78**  
**Effective January 1, 2020**  
**Cancels MDPU No. 75**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Power Rate C**

**Availability**

Applicable to all factories, stores, places of business and any other building in which commercial uses are ongoing when monthly usage is 5,000 kilowatt-hours and above. Also available for special services, such as welding, x-ray, heating and air conditioning subject to Department approval

**Rate**

Customer Charge	\$60.00 per month
Demand	\$11.50 per kilowatt
Distribution Charge	\$0.0064 per kilowatt-hour
Energy Charge	\$0.0928 per kilowatt-hour

**Billing Demand**

The Billing Demand for any month shall be the greater of the following:

The maximum 15 minute measured demand during the month as measured in kilowatts, or

70% of the maximum 15 minute measured demand as so determined during the preceding 11 months.

**Purchased Power and Fuel Adjustment**

The amount determined under preceding provisions shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment charge ( as defined in MDPU No. 80 ).

**Energy Conservation Charge**

An Energy Conservation Charge ( ECC ) is billed on a per kilowatt-hour basis in accordance with the Department's ECC rate MDPU No. 79.

## **Minimum Bill**

The Customer Charge

## **Credit for High Voltage Delivery**

If delivery of electricity is made at the Department's supply line voltage and the Department is saved the cost of installing and maintaining any transformer and associated equipment credit will be allowed at the rate of 12 cents per kilowatt of demand per month. This credit shall be allowed after the application of any adjustment of discount, surcharge and fuel.

## **Discount**

A discount of 10% will be applied to all bills paid on or before the 15th calendar day following the billing date, which is the discount expiration date, provided that all previous bills have been paid and provided that if the 15th calendar day falls on a weekend or a federal holiday such deadline shall be extended to the next calendar day. The Customer Charge, Energy Charge, Fuel Adjustment Charge and Energy Conservation Charge will not be discounted.

## **Term of Contract**

Subject to termination at any time upon notice.

## **Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

### **Date Issued:**

October 2, 2019

### **Date Effective:**

January 1, 2020

### **Filed by:**

Peter D. Dion, General Manager  
John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 79**  
**Effective January 1, 2020**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Energy Conservation Charge**

**Purpose and Applicability to:**

The Energy Conservation Charge ( ECC ) is designed to recover the cost of the Department's energy conservation and efficiency programs administered by the Department and/or its consultants and shall be charged to all classifications of electric customers with the exception of streetlighting and private lighting accounts.

The ECC is calculated by dividing the annual cost of the Department's energy conservation & efficiency program(s) by the amount of kilowatt-hour sales in the customer classifications to which the respective program(s) are applicable

The ECC may be changed from time to time based on changes in the funding amounts for the activity in the Department's energy conservation & efficiency program(s).

**Discount**

The Energy Conservation Charge will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

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**Date Issued:**  
October 2, 2019

**Date Effective:**  
January 1, 2020

**Filed by:**

Peter D. Dion, General Manager  
John J. Warchol, Chair  
Philip R. Courcy, Secretary  
Thomas H. Boettcher  
Kenneth J. Chase  
Jennifer L. Kallay

480 North Avenue  
Wakefield, Massachusetts 01880

**MDPU No. 80**  
**Effective January 1, 2020**  
**Cancels MDPU No. 72**

**WAKEFIELD MUNICIPAL GAS & LIGHT DEPARTMENT**  
**Electric Purchased Power and Fuel Adjustment Clause**

**Applicable to:**

Applicable to all kilowatt hours sold

**Rate**

There shall be an upward or downward adjustment applied to all kilowatt hours sold under provisions of rates contained in all electric tariffs related to the increase or decrease in the cost of purchased power including fuel & transmission from our wholesale electricity supplier(s).

The adjustment shall be based on the total cost of purchased power, cost of fuel and cost of transmission over and above that portion of which is contained in the energy charge ( base rate ) and shall be obtained by dividing the summation of total costs of purchased power, fuel and transmission for the month by the total kilowatt hours to be sold during the month and subtracting the energy charge ( base rate ) from the figure

The purchased power and fuel adjustment clause shall be rounded to the sixth decimal place and shall be applied to all kilowatt hours sold in the following month.

**Discount**

The Purchased Power and Fuel Adjustment Clause will not be discounted.

**Term of Contract**

Subject to termination at any time upon notice.

**Terms and Conditions**

The Department's terms and conditions in effect from time to time, where not inconsistent with any specific provisions hereof, are a part of this rate.

**Date Issued:**

October 2, 2019

**Date Effective:**

January 1, 2020

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# INDEX

	Page
Appropriations of Surplus	21
Appropriations Since Beginning of Year	5
Bonds	6
Cash Balances	14
Changes in the Property	5
Combustion Engine and Other Generating Stations	64-65
Comparative Balance Sheet	10-11
Conduit, Underground Cable and Submarine Cable	70
Cost of Plant	8- 8B
Customers in each City or Town	4
Depreciation Fund Account	14
Earned Surplus	12
Electric Distribution Services, Meters, and Line Transformers	69
Electric Energy Account	57
Electric Operating Revenues	37
Electric Operation and Maintenance Expenses	39-42
General Information	3
Generating Station Statistics	58-59
Generating Statistics (Small Stations)	66
Hydroelectric Generating Stations	62-63
Income from Merchandising, Jobbing and Contract Work	51
Income Statement	12
Interchange Power	56
Materials and Supplies	14
Miscellaneous Credits to Surplus	21
Miscellaneous Debits to Surplus	21
Miscellaneous Nonoperating Income	21
Monthly Peaks and Output	57
Municipal Revenues	22
Other Income Deductions	21
Other Utility Operating Income	50
Overhead Distribution Lines Operated	69
Production Fuel and Oil Stocks	18
Purchased Power	22
Purchased Power Detailed (except Interchange)	54-55
Rate Schedule Information	79
Sales for Resale	22
Sales for Resale Detailed	52-53
Sales of Electricity to Ultimate Consumers	38
Schedule of Estimates	4
Signature Page	81
Steam Generating Stations	60-61
Streetlamps	71
Substations	68
Taxes Charged During Year	49
Town Notes	7
Transmission Line Statistics	67
Utility Plant-Electric	15-17

**FOR GAS PLANTS ONLY:**

	Page		Page
Boilers	75	Purifiers	76
Gas Distribution Services, House Governors and Meters	78	Record of Sendout for the Year in MC	72-73
Gas Generating Plant	74	Sales for Resale	48
Gas Operating Revenues	43	Sales of Gas to Ultimate Customers	44
Gas Operation & Maintenance Expenses	45-47	Sales of Residuals	48
Holders	76	Scrubbers, Condensers & Exhausters	75
Purchased Gas	48	Transmission and Distribution Mains	77
		Utility Plant - Gas	19-20

PAGES INTENTIONALLY OMITTED : 23 TO 36, 74 TO 76, 80