



**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,**

**2019**

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

Peter D. Dion  
Official Title: General Manager

Office Address: 480 North Avenue  
PO Box 190  
Wakefield MA 01880

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- |     |  |  |
|-----|--|--|
| 1.  | Name of town (or city) making report.  | Wakefield                                  |
| 2.  | If the town (or city) has acquired a plant,<br>Kind of plant, whether gas or electric.<br>Owner from whom purchased, if so acquired.<br>Date of votes to acquire a plant in accordance with the provisions of<br>chapter 164 of the General Laws.<br>Record of votes: First vote: Yes, ; No, Second vote: Yes, ; No,<br>Date when town (or city) began to sell gas and electricity,  | Gas & Electric<br><br><br><br><br><br>1894 |
| 3.  | Name and address of manager of municipal lighting:<br><br>Peter D. Dion<br><br>480 North Avenue<br><br>Wakefield MA 01880  |  |
| 4.  | Name and address of mayor or selectmen:<br><br>Mehreen N. Butt<br>Jonathan P. Chines<br>Paul R. Dinocco<br>Edward F. Dombroski Jr.<br>Julie Smith-Galvin<br>Peter J. May<br>Ann Santos<br><br>One Lafayette Street<br>One Lafayette Street<br>One Lafayette Street<br>One Lafayette Street<br>One Lafayette Street<br>One Lafayette Street<br>One Lafayette Street<br><br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880 |  |
| 5.  | Name and address of town (or city) treasurer:<br><br>John J. McCarthy Jr.<br><br>Five Common Street<br><br>Wakefield MA 01880  |  |
| 6.  | Name and address of town (or city) clerk:<br><br>Betsy Sheeran<br><br>One Lafayette Street<br><br>Wakefield MA 01880   |  |
| 7.  | Names and addresses of members of municipal light board:<br><br>Thomas H. Boettcher<br>Kenneth J. Chase Jr.<br>Philip R. Courcy<br>Jennifer L. Kallay<br>John J. Warchol<br><br>480 North Avenue<br>480 North Avenue<br>480 North Avenue<br>480 North Avenue<br>480 North Avenue<br><br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880<br>Wakefield MA 01880   |  |
| 8.  | Total valuation of estates in town (or city) according to last State valuation<br>(taxable)  | \$ 529,227,580                             |
| 9.  | Tax rate for all purposes during the year:<br><br>Residential 12.83<br>Commercial 25.15  | Residential 12.77<br>Commercial 24.92      |
| 10. | Amount of manager's salary:  | \$181,801                                  |
| 11. | Amount of manager's bond:  | \$50,000                                   |
| 12. | Amount of salary paid to members of municipal light board (each):  | \$0  |

## Annual Report of the Wakefield Municipal Gas &amp; 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	10,725,000
2	From sales of electricity	27,610,000
3	<b>TOTAL</b>	38,335,000
4		
5	<b>EXPENSES</b>	
6	For operation, maintenance and repairs	30,240,000
7	For interest on bonds, notes or scrip	241,700
8	For depreciation fund ( 5% 63,816,476 (excludes land as per page 9)	3,190,824
9	For sinking fund requirements	-
10	For note payments	81,700
11	For bond payments	-
12	For loss in preceding year	-
13	<b>TOTAL</b>	33,754,224
14		
15	<b>COST:</b>	
16	Of gas to be used for municipal buildings	740,000
17	Of gas to be used for street lights	-
18	Of electricity to be used for municipal buildings	1,172,000
19	Of electricity to be used for street lights	188,200
20	Total of above items to be included in the tax levy	2,100,200
21		
22	New construction to be included in the tax levy	-
23	Total amounts to be included in the tax levy	2,100,200

**CUSTOMERS**

Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.		Names of cities or towns in which the plant supplies ELECTRICITY, 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	6,962	Wakefield	12,974
<b>TOTAL</b>	6,962	<b>TOTAL</b>	12,974

**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 0

**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 | 2,000,000 |
| 3.                     |           |

TOTAL 2,188,200

\* 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 2019, WMGLD installed ~ 3Mwh of Battery Storage equipment with the assistance of a DOER Grant

Additionally, WMGLD continues the engineering study for the upgrade of both gas & electric meter reading 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 AMI project.

Late calendar year 2019 & early calendar 2020 WMGLD implemented a new energy efficiency program

**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.

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					-

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	
TOTAL		\$ 1,795,000	-			TOTAL	\$ -

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





<b>TOTAL COST OF PLANT - ELECTRIC</b> 1. Report below the cost of utility plant in service according to prescribed accounts 2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate. 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts. 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						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	4,954,263	177,163	-			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	4,954,263	177,163	-	-	-	5,131,426
19	Total Production Plant	4,954,263	177,163	-	-	-	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 - GAS**

1. Report below the cost of utility plant in service according to prescribed accounts

2. Do not include as adjustments, corrections of additions and retirements for the current or the

preceding year. Such items should be included in column (c) or (d) as appropriate.

3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

effect of such amounts.

4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	365 Land and Land Rights	218,905	-	-			218,905
3	366 Structures and Improvements	3,968,664	-	-			3,968,664
4	367 Mains	20,677,870	1,910,642	42,886			22,545,626
5	369 Measuring & Regulating Equipment	597,394	42,585	-			639,979
6	380 Services	7,753,714	676,026	39,698			8,390,042
7	381 Meters	1,366,244	39,059	68,617			1,336,686
8	382 Meter Installation	1,884,467	305,954	264,949			1,925,472
16	Total Distribution Plant	36,467,259	2,974,266	416,150	-	-	39,025,374
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-			500
19	390 Structures and Improvements	-	-	-			-
20	391 Office Furniture and Equipment	47,550	-	4,958			42,592
21	392 Transportation Equipment	238,584	-	26,849			211,735
22	393 Stores Equipment	5,918	-	2,070			3,848
23	394 Tools, Shop and Garage Equipment	266,322	-	6,774			259,548
24	395 Laboratory Equipment	36,550	-	-			36,550
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	203,998	48,863	958			251,903
27	398 Miscellaneous Equipment	50,270	-	3,096			47,174
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	849,692	48,863	44,705	-	-	853,850
30	Total Cost Gas Plant in Service	37,316,951	3,023,129	460,855	-	-	39,879,224
31	Total Cost of Gas Plant.....						39,879,224
33	Less Cost of Land, Land Rights, Rights of Way.....						219,405
34	Total Cost upon which Depreciation is based .....						39,659,819

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)	24,366,200	26,485,091	2,118,891
3	101	Utility Plant - Gas (P. 20)	23,305,521	24,768,462	1,462,941
4					
5		Total Utility Plant	47,671,721	51,253,553	3,581,832
6					
7					
8					
9					
10					
11		<b>FUND ACCOUNTS</b>			
12	125	Sinking Funds	348,808	357,234	8,426
13	126	Depreciation Fund (P. 14)	185,284	185,426	142
14	128	Other Special Funds	-	-	-
15		Total Funds	534,092	542,660	8,568
16		<b>CURRENT AND ACCRUED ASSETS</b>			
17	131	Cash (P. 14)	(4,527,958)	(3,192,649)	1,335,309
18	132	Special Deposits	1,466,478	1,499,660	33,182
19	135	Working Funds	700	700	-
20	141	Notes Receivable	-	-	-
21	142	Customer Accounts Receivable	4,764,144	4,584,708	(179,436)
22	143	Other Accounts Receivable	3,499,304	2,411,287	(1,088,017)
23	146	Receivables from Municipality	-	-	-
24	151	Materials and Supplies (P. 14)	764,493	984,847	220,354
25			-	-	-
26	165	Prepayments	3,865,933	4,473,444	607,511
27	174	Miscellaneous Current Assets	-	-	-
28		Total Current and Accrued Assets	9,833,094	10,761,997	928,903
29		<b>DEFERRED DEBITS</b>			
30	181	Unamortized Debt Discount	-	-	-
31	182	Extraordinary Property Losses	-	-	-
32	185	Other Deferred Debits	732,773	1,129,671	396,898
33		Total Deferred Debits	732,773	1,129,671	396,898
34					
35		Total Assets and Other Debits	58,771,680	63,687,881	4,916,201

## 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	348,808	357,234	8,426
5	206	Loans Repayment	-	-	-
6	207	Appropriations for Construction Repayments	-	-	-
7	208	Unappropriated Earned Surplus (P. 12)	18,890,861	24,053,583	5,162,722
8		Total Surplus	19,239,669	24,410,817	5,171,148
9		<b>LONG TERM DEBT</b>			
10	221	Bonds (P. 6)	-	-	-
11	231	Notes Payable (P. 7)	20,741,227	20,117,869	(623,358)
12		Total Bonds and Notes	20,741,227	20,117,869	(623,358)
13		<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232	Accounts Payable	426,262	(15,219)	(441,481)
15	234	Payables to Municipality	-	-	-
16	235	Customers' Deposits	1,466,478	1,499,660	33,182
17	236	Taxes Accrued	-	-	-
18	237	Interest Accrued	-	-	-
19	242	Miscellaneous Current and Accrued Liabilities	700,399	695,786	(4,613)
20		Total Current and Accrued Liabilities	2,593,139	2,180,227	(412,912)
21		<b>DEFERRED CREDITS</b>			
22	251	Unamortized Premium on Debt	-	-	-
23	252	Customer Advances for Construction	-	-	-
24	253	Other Deferred Credits	12,550,265	13,042,902	492,637
25		Total Deferred Credits	12,550,265	13,042,902	492,637
26		<b>RESERVES</b>			
27	260	Reserves for Uncollectible Accounts	264,225	217,128	(47,097)
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	264,225	217,128	(47,097)
33		<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271	Contributions in Aid of Construction	3,383,155	3,718,938	335,783
35		Total Liabilities and Other Credits	58,771,680	63,687,881	4,916,201

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)	39,832,292	(1,963,243)
3	Operating Expenses:		
4	401 Operation Expense (P. 42 and 47)	28,328,989	(3,336,824)
5	402 Maintenance Expense	1,410,788	(234,666)
6	403 Depreciation Expense	4,439,396	372,472
7	407 Amortization of Property Losses	-	-
8			
9	408 Taxes (P. 49)	734,944	(83,493)
10	Total Operating Expenses	34,914,117	(3,282,511)
11	Operating Income	4,918,175	1,319,268
12	414 Other Utility Operating Income (P. 50)	-	-
13			
14	Total Operating Income	4,918,175	1,319,268
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	(237,463)	(919,570)
17	419 Interest Income	59,340	11,946
18	421 Miscellaneous Nonoperating Income (P. 21)	-	-
19	Total Other Income	(178,123)	(907,624)
20	Total Income	4,740,052	411,644
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization	-	-
23	426 Other Income Deductions	-	-
24	Total Income Deductions	-	-
25	Income Before Interest Charges	4,740,052	411,644
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes	79,358	(107,967)
28	428 Amortization of Debt Discount and Expense	-	-
29	429 Amortization of Premium on Debt - Credit	-	-
30	431 Other Interest Expense	506,085	244,364
31	432 Interest: Charged to Construction - Credit	-	-
32	Total Interest Charges	585,443	136,397
33	<b>NET INCOME</b>	4,154,609	275,247
<b>EARNED SURPLUS</b>			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		18,890,861
35			
36			
37	433 Balance Transferred from Income		4,154,609
38	434 Miscellaneous Credits to Surplus (P. 21)		2,098,424
39	435 Miscellaneous Debits to Surplus (P. 21)	897,829	
40	436 Appropriations of Surplus (P. 21)	8,425	
41	437 Surplus Applied to Depreciation	184,057	
42	208 Unappropriated Earned Surplus (at end of period)	24,053,583	
43			
44	<b>TOTALS</b>	25,143,894	25,143,894

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

Year Ended December 31, 2019

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)	\$ 28,975,010	\$ (2,233,759)	\$ 10,857,282	\$ 270,516
3	Operating Expenses:				
4	401 Operation Expense (P.42)	20,741,198	(3,336,000)	7,587,791	(824)
5	402 Maintenance Expense (P. 42)	1,090,621	(274,548)	320,167	39,882
6	403 Depreciation Expense	2,955,494	301,791	1,483,902	70,681
7	407 Amortization of Property Losses				
8					
9	408 Taxes (P. 49)	643,440	(91,261)	91,504	7,768
10	Total Operating Expenses	25,430,753	(3,400,018)	9,483,364	117,507
11	Operating Income	3,544,257	1,166,259	1,373,918	153,009
12	414 Other Utility Operating Income (P.50)				
13					
14	Total Operating Income	3,544,257	1,166,259	1,373,918	153,009
15	<b>OTHER INCOME</b>				
16	415 Inc. from Merch., Jobbing, and Contract Work	(10,739)	(656,118)	(226,724)	(263,452)
17	419 Interest Income	53,084	11,456	6,256	490
18	421 Miscellaneous Income				
19	Total Other Income	42,345	(644,662)	(220,468)	(262,962)
20	Total Income	3,586,602	521,597	1,153,450	(109,953)
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>				
22	425 Miscellaneous Amortization				
23	426 Other Income Deductions				
24	Total Income Deductions	-	-	-	-
25	Income before Interest Charges	3,586,602	521,597	1,153,450	(109,953)
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	573,887	134,729	11,556	1,668
31	432 Interest Charged to Construction-Credit				
32	Total Interest Charges	573,887	134,729	11,556	1,668
33	Net Income	3,012,715	386,868	1,141,894	(111,621)



CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	(3,192,649)	
2			
3			
4			
5			
6			
7			
8			
9			
10		TOTAL	(3,192,649)
MATERIALS AND SUPPLIES (Accounts 151-159, 163)			
Summary per Balance Sheet			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
11	Fuel (Account 151) (See Schedule, Page 25)	472,905	511,942
12	Fuel Stock Expenses (Account 152)		
13	Residuals (Account 153)		
14	Plant Materials and Operating Supplies (Account 154 & 151)		
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	472,905	511,942
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
22	DEBITS		
23	Balance of account at beginning of year	185,284	
24	Income during year from balance on deposit (interest)	142	
25	Amount transferred from income (depreciation)	4,031,927	
26	Amount transferred in from surplus & other transfers in		
27	TOTAL	4,217,353	
28	CREDITS		
29	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	4,031,927	
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	185,426	
38	TOTAL	4,217,353	

## UTILITY PLANT - ELECTRIC

1. Report below the cost of utility plant in service according to prescribed accounts
2. Do not include as adjustments, corrections of additions and retirements for the current or

- the preceding year. Such items should be included in column (c).
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the

- negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						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						
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						
23	Total Nuclear Production Plant	-	-	-	-	-	-

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	-	-	-			-
13	342 Fuel Holders, Producers and Accessories	-	-	-			-
14	343 Prime Movers	-	-	-			-
15	344 Generators	4,954,263	177,163	346,798	-		4,784,628
16	345 Accessory Electric Equipment	-	-	-			-
17	346 Miscellaneous Power Plant Equipment	-	-	-			-
18	Total Other Production Plant	4,954,263	177,163	346,798	-	-	4,784,628
19	Total Production Plant	4,954,263	177,163	346,798	-	-	4,784,628
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	4,579,899	-	311,877	-		4,268,022
4	362 Station Equipment	7,459,356	4,392	610,549	-		6,853,199
5	363 Storage Battery Equipment	-	3,484,749	-	260,000		3,224,749
6	364 Poles Towers and Fixtures	321,547	402,447	116,073	6,367		601,554
7	365 Overhead Conductors and Devices	1,476,013	817,851	330,172	6,015		1,957,677
8	366 Underground Conduit	1,181,449	28,876	186,206	-		1,024,119
9	367 Underground Conductors and Devices	586,888	128,006	387,739	-		327,155
10	368 Line Transformers	737,177	156,285	176,625	4,831		712,006
11	369 Services	99,180	29,637	29,975	2,103		96,739
12	370 Meters	78,268	7,560	36,219	6,555		43,054
13	371 Installations on Customer's Premises	73,323	983	4,991	-		69,315
14	372 Leased Prop on Customer's Premises	-	-	-	-		-
15	373 Streetlight and Signal Systems	944,743	18,431	144,032	700		818,442
16	Total Distribution Plant	17,746,365	5,079,217	2,334,458	286,571	-	20,204,553
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements		-	-	-		-
20	391 Office Furniture and Equipment	85,250	-	20,649	-		64,601
21	392 Transportation Equipment	665,589	70,064	199,824	-		535,829
22	393 Stores Equipment	9,071	-	773	-		8,298
23	394 Tools, Shop and Garage Equipment	70,561	4,400	5,470	-		69,491
24	395 Laboratory Equipment	75	-	-	-		75
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	784,041	8,914	43,032	-		749,923
27	398 Miscellaneous Equipment	50,486	-	4,491	-		45,995
28	399 Other Tangible Property		-	-	-		-
29	Total General Plant	1,665,573	83,378	274,239	-	-	1,474,712
30	Total Electric Plant in Service	24,366,201	5,339,758	2,955,495	286,571	-	26,463,893
31	104 Utility Plant Leased to Others						-
32	105 Property Held for Future Use						-
33	107 Construction Work in Progress	-	21,198		-		21,198
34	Net Utility Plant Electric	24,366,201	5,360,956	2,955,495	286,571	-	26,485,091

**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)	NOT APPLICABLE			-	-
5						
6						
7						
8						
9						
10						
11	Sold or Transferred	-				
12	TOTAL DISPOSED OF	-	-	-	-	-
13	BALANCE END OF YEAR	\$ -	-	-	-	\$ -
Line No.	Item (g)	Kinds of Fuel and Oil - continued				
		LUBE OIL				
		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	1. INTANGIBLE PLANT						
2	301 Organization	-	-	-	-	-	-
3	303 Miscellaneous Intangible Plant	-	-	-	-	-	-
4	Total intangible Plant	-	-	-	-	-	-
5							
6	2. PRODUCTION PLANT						
7	Manufactured Gas Production Plant	-	-	-	-	-	-
8	304 Land and Land rights	-	-	-	-	-	-
9	305 Structures and Improvements	-	-	-	-	-	-
10	306 Boiler Plant Equipment	-	-	-	-	-	-
11	307 Other Power Equipment	-	-	-	-	-	-
12	310 Water Gas Generating Equipment	-	-	-	-	-	-
13	311 Liquefied Petroleum Gas Equipment	-	-	-	-	-	-
14	312 Oil Gas Generating Equipment	-	-	-	-	-	-
15	313 Generating Equipment-Other Processes	-	-	-	-	-	-
16	315 Catalyst Cracking Equipment	-	-	-	-	-	-
17	316 Other Reforming Equipment	-	-	-	-	-	-
18	317 Purification Equipment	-	-	-	-	-	-
19	321 LNG Equipment	-	-	-	-	-	-
20	319 Gas Mixing Equipment	-	-	-	-	-	-
21	320 Other Equipment	-	-	-	-	-	-
22	Total Gas Manufacturing Production Plant	-	-	-	-	-	-
23		-	-	-	-	-	-
24	3. STORAGE PLANT						
25	360 Land and Land rights	-	-	-	-	-	-
26	361 Structures and Improvements	-	-	-	-	-	-
27	362 Gas holders	-	-	-	-	-	-
28	363 Other Equipment	-	-	-	-	-	-
29	Total Storage Plant	-	-	-	-	-	-
30		-	-	-	-	-	-

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	2,185,608	-	179,120	-		2,006,488
4	367 Mains	13,149,255	1,910,642	759,882	10,003		14,290,012
5	369 Measuring & Regulating Equipment	503,063	42,585	23,896	-		521,752
6	380 Services	4,050,418	676,026	310,149	20,816		4,395,479
7	381 Meters	583,907	39,059	54,650	45,466		522,850
8	382 Meter Installation	2,082,599	305,954	75,379	-		2,313,174
16	Total Distribution Plant	22,773,755	2,974,266	1,403,076	76,285	-	24,268,660
17	5. GENERAL PLANT						
18	389 Land and Land Rights	500	-	-	-		500
19	390 Structures and Improvements	-	-	-	-		-
20	391 Office Furniture and Equipment	22,670	-	4,958	-		17,712
21	392 Transportation Equipment	117,474	-	47,717	-		69,757
22	393 Stores Equipment	2,990	-	296	-		2,694
23	394 Tools, Shop and Garage Equipment	175,053	-	13,316	-		161,737
24	395 Laboratory Equipment	7,903	-	1,828	-		6,075
25	396 Power Operated Equipment	-	-	-	-		-
26	397 Communication Equipment	182,878	48,863	10,200	-		221,541
27	398 Miscellaneous Equipment	22,299	-	2,513	-		19,786
28	399 Other Tangible Property	-	-	-	-		-
29	Total General Plant	531,767	48,863	80,828	-	-	499,802
30	Total Gas Plant in Service	23,305,522	3,023,129	1,483,904	76,285	-	24,768,462
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	23,305,522	3,023,129	1,483,904	76,285	-	24,768,462

<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	26,490
17		
18	MMWEC Surplus Funds Refund	1,664,471
19		
20	Co-op Depreciation Revaluation	407,463
21		
22		
23	<b>TOTAL</b>	2,098,424
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25	Payments in Lieu of Taxes - Payments to Town	897,829
26		
27		
28		
29		
30		
31		
32	<b>TOTAL</b>	897,829
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33		
34	Surplus applied to Sinking Fund	8,425
35		
36		
37		
38		
39		
40	<b>TOTAL</b>	8,425



**MUNICIPAL REVENUES (Account 482,444)**  
(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	46,077,700	\$ 740,224	\$ 16.0647
2					
3					
4					
		<b>TOTALS</b>	46,077,700	740,224	16.0647
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444	Power Sales to Public Authorities	7,269,637	\$ 1,171,831	\$ 0.1612
6					
7					
8					
9		<b>TOTALS</b>	7,269,637	1,171,831	0.1612
10					
11					
12					
13	444	Public Sales - Highway Lighting	729,017	\$ 188,131	\$ 0.2581
14					
15					
16					
17		<b>TOTALS</b>	729,017	188,131	0.2581
		<b>TOTALS</b>	7,998,654	1,359,962	0.1700

**PURCHASED POWER (Account 555)**

Line No.	Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H (c)	Amount (d)	Cost per KWH (cents) (0.0000) (e)
18	See Pages 54 and 55				
19					
20					
21					
22					
23					
24					
25					
26					
		<b>TOTALS</b>	-	-	-

**SALES FOR RESALE (Account 447)**

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	12,745,821	(1,155,569)	77,838,737	(4,482,933)	11,021	58
3	442 Commercial and Industrial Sales:						
4	Small or Commercial	2,487,445	(243,515)	13,884,900	(1,016,581)	1,539	2
5	Large or Industrial Sales	10,576,750	(1,213,486)	69,110,937	(4,727,978)	261	4
6	444 Municipal Sales	1,359,962	(98,736)	9,192,057	(353,712)	164	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>	27,169,978	(2,711,306)	170,026,631	(10,581,204)	12,985	64
12	447 Sales for Resale	-	-	-	-	-	-
13	<b>Total Sales of Electricity *</b>	27,169,978	(2,711,306)	170,026,631	(10,581,204)	12,985	64
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts	117,109	(27,595)				
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	1,687,923	505,142				
21							
22							
23							
24							
25	Total Other Operating Revenues	1,805,032	477,547				
26	Total Electric Operating Revenue	28,975,010	(2,233,759)				
				* Inclusive of revenues from applicable fuel clauses      \$ 27,169,978  Total kWh to which applied      168,104,211			

**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	77,838,737	12,745,821	0.1637	11,041	11,016
2	442	Commercial Sales	13,884,900	2,397,809	0.1727	1,541	1,535
3	442-1	Power Sales	69,110,937	10,576,750	0.1530	259	260
4	444	Public Sales - Highway Lighting	729,017	188,131	0.2581	-	-
5	444	Other Sales to Public Authorities	7,269,637	1,171,831	0.1612	164	163
6	451	Private Area Lighting	1,193,403	89,636	0.0751	-	-
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)		170,026,631	27,169,978	0.1598	13,005	12,974

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year

2. If the increases and decreases are not 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 of 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	15,679,848	(3,246,385)
27	556 System control and load dispatching	-	-
28	557 Other expenses	-	-
29	Total other power supply expenses	15,679,848	(3,246,385)
30	Total power production expenses	15,679,848	(3,246,385)
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)	738,782	29,991
5	582 Station expenses	219,450	(635,144)
6	583 Overhead line expenses	93,239	(321)
7	584 Underground line expenses	26,517	(8,427)
8	585 Street lighting and signal system expenses	34,291	11,361
9	586 Meter expenses	24,724	14,971
10	587 Customer installations expenses	14,571	(10,303)
11	588 Miscellaneous distribution expenses	138,422	70,409
12	589 Rents	-	-
13	Total operation	1,289,996	(527,463)
14	Maintenance:		
15	590 Maintenance supervision and engineering	-	-
16	591 Maintenance of structures	180,365	(25,004)
17	592 Maintenance of station equipment	19,394	4,434
18	593 Maintenance of overhead lines	758,650	(230,848)
19	594 Maintenance of underground lines	9,652	(27,468)
20	595 Maintenance of line transformers	5,258	(20,816)
21	596 Maintenance of street lighting and signal systems	-	-
22	597 Maintenance of meters	-	-
23	598 Maintenance of miscellaneous distribution plant	-	-
24	Total maintenance	973,319	(299,702)
25	Total distribution expenses	2,263,315	(827,165)
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision	-	-
29	902 Meter reading expenses	39,174	10,329
30	903 Customer records and collection expenses	572,124	6,826
31	904 Uncollectible accounts	97,434	87,705
32	905 Miscellaneous customer accounts expenses	-	-
33	Total customer accounts expenses	708,732	104,860
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision	-	-
37	912 Demonstrating and selling expenses	-	-
38	913 Advertising expenses	88,186	13,547
39	916 Miscellaneous sales expenses	-	-
40	Total sales expenses	88,186	13,547
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries	532,577	(16,937)
44	921 Office supplies and expenses	304,978	71,905
45	922 Administrative expenses transferred - Cr	-	-
46	923 Outside services employed	246,982	69,152
47	924 Property insurance	57,252	8,354
48	925 Injuries and damages	77,583	(14,494)
49	926 Employee pensions and benefits	1,638,520	170,309
50	928 Regulatory commission expenses	-	-
51	929 Store Expense	-	-
52	930 Miscellaneous general expenses	116,544	31,152
53	931 Rents	-	-
54	Total operation	2,974,436	319,441

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued				
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	117,302	25,154	
4	Total administrative and general expenses	3,091,738	344,595	
5	Total Electric Operation and Maintenance Expenses	21,831,819	(3,610,548)	
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES				
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	15,679,848	-	15,679,848
13	Total power production expenses	15,679,848		15,679,848
14	Transmission Expenses	-	-	-
15	Distribution Expenses	1,289,996	973,319	2,263,315
16	Customer Accounts Expenses	708,732	-	708,732
17	Sales Expenses	88,186	-	88,186
18	Administrative and General Expenses	2,974,436	117,302	3,091,738
19	Total Electric Operation and			
20	Maintenance Expenses	20,741,198	1,090,621	21,831,819
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)			85.55%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			2,994,987
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			24.70 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	7,594,786	149,997	447,209.8	(10,145)	6,368	43
3	481 Commercial and Industrial Sales:						
4	Small or Commercial	2,329,747	43,432	143,306.6	(3,412)	631	(7)
5	Large or Industrial Sales	-	-	-	-	-	-
6	482 Municipal Sales (P. 22)	740,224	24,021	46,077.7	(1,909)	45	-
7	483 Other Sales	-	-	-	-	-	-
8	485 Miscellaneous Gas Sales	-	-	-	-	-	-
9	<b>Total Sales to Ultimate Consumers</b>	10,664,757	217,450	636,594.1	(15,465.1)	7,044	36
10	483 Sales for Resale	-	-	-	-	-	-
11	<b>Total Sales of Gas*</b>	10,664,757	217,450	636,594.1	(15,465.1)	7,044	36
12	<b>OTHER OPERATING REVENUES</b>						
13	487 Forfeited Discounts	33,002	(4,480)				
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	159,523	57,546				
21	Total Other Operating Revenues	192,525	53,066				
22	Total Gas Operating Revenue	10,857,282	270,516				
23							
24							

\* Inclusive of revenues from applicable fuel clauses \$ 10,664,757

Total MCF to which applied 636,594.1



**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	27,794.0	572,875	20.6115	1,409	1,322
2	480	Gas Heating Sales	545,807.9	9,055,079	16.5902	5,492	5,492
3	481	Commercial & Industrial	16,914.5	296,579	17.5340	107	103
4	482	Sales to Public Authorities	46,077.7	740,224	16.0647	45	45
5							
6							
7							
8							
9							
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11							
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20							
40							
41							
42							
43							
44							
45							
46							
47	TOTAL SALES TO ULTIMATE						
48	CONSUMERS (page 43 Line 9)		636,594.1	10,664,757	16.7528	7,053	6,962

**GAS OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year

2. If the increases and decreases are not 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	6,144,274	374,498
5	Maintenance:	-	-
6	Total other gas supply expenses	-	-
7	Total production expenses	6,144,274	374,498
8	Total Operation	6,144,274	374,498
9	<b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
10	Operation:		
11	850 Operation supervision and engineering	143,620	21,568
10	851 System control and load dispatching	-	-
11	852 Communication system expenses	-	-
12	853 Compressor station labor and expenses	110,067	(199,631)
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	44,045	(4,412)
17	878 Meter and house regulator expenses	-	(437)
18	879 Customer installations expenses	194,344	51,508
19	880 Other expenses	134,224	65,136
20	881 Rents	-	-
21	Total Operation	626,300	(66,268)
22	Maintenance:		
23	885 Maintenance supervision and engineering	-	-
24	886 Maintenance of structures and improvements	-	-
25	887 Maintenance of mains	221,022	10,477
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	14,463	(4,024)
30	894 Maintenance of other equipment	22,128	(9,178)
31	Total Maintenance	257,613	(2,725)
32	Total Transmission and Distribution	883,913	(68,993)
33	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
34	Operation:		
35	901 Supervision	-	-
36	902 Meter reading expenses	13,058	3,701
37	903 Customer records and collection expenses	190,613	(171)
38	904 Uncollectable accounts	6,450	1,742
39	905 Miscellaneous customer accounts expenses	-	-
40	Total Customer Accounts Expense	210,121	5,272
41	<b>SALES EXPENSES</b>		
42	Operation:		
43	911 Supervision	-	-
44	912 Demonstrating and selling expenses	-	-
45	913 Advertising expenses	11,987	23
46	916 Miscellaneous sales expenses	-	-
47	Total Sales Expenses	11,987	23

<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	202,321	(2,508)
4	921 Office supplies and expenses	98,837	12,420
5	922 Administrative expenses transferred -Cr.	-	-
6	923 Outside services employed	42,815	(40,754)
7	924 Property insurance	11,408	(4,891)
8	925 Injuries and damages	17,652	(10,600)
9	926 Employees pensions and benefits	401,807	13,579
10	928 Regulatory commission expenses	-	-
11	929 Duplicate charges-Cr.	-	-
12	930 Miscellaneous general expenses	(179,731)	(281,595)
13	931 Rents	-	-
14	Total Operation	595,109	(314,349)
15	Maintenance:		
16	932 Maintenance of general plant	62,554	42,607
17	Total Maintenance	62,554	42,607
18	Total Administrative and General Expenses	657,663	(271,742)
19	Total Gas Operation and Maintenance Expense	7,907,958	39,058

<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	6,144,274	-	6,144,274
21	Total Production expenses	6,144,274	-	6,144,274
22	Local storage expenses	-	-	-
23	Transmission and distribution expenses	626,300	257,613	883,913
24	Customer accounts expenses	210,121	-	210,121
25	Sales expenses	11,987	-	11,987
26	Administrative and general expenses	595,109	62,554	657,663
27	Total gas operation and maintenance	7,587,791	320,167	7,907,958
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)			86.50%
29	Total salaries and wages of gas department for year, including amounts charged to operating expenses, construction and other accounts.			1,744,531
30	Total number of employees of gas department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			12.90 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

SALES FOR RESALE (Account 483)					
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	NONE			-	-
2					
3					
4					
5					
6	TOTALS			-	-

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

PURCHASED GAS (Accounts 804 - 806)					
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	Sprague Energy	480 North Avenue, Meter house in	655,034	\$ 7.3006	\$ 4,782,146
14		rear of Fire Station on Oak Street,			
15	National Grid	Greenwood, Meter house on Salem	2,622	\$ 11.5088	\$ 30,176
16		Street near Wakefield/Lynnfield			
17	REV LNG	town line, Meter house on Broadway	12,686	\$ 10.7610	136,514
18					
19		All 4 locations above are metered			
20	TOTALS		670,342	7.3826	4,948,836

**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	Commonwealth of Massachusetts	\$ 734,944	\$ 643,440	\$ 91,504					
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
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21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33	TOTALS	\$ 734,944	\$ 643,440	\$ 91,504					

<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	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
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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	473,213	1,080,282		1,553,495
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	473,213	1,080,282	-	1,553,495
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16					
17	Materials	483,952	1,307,006		1,790,958
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	483,952	1,307,006	-	1,790,958
50	Net Profit (or loss)	(10,739)	(226,724)	-	(237,463)

## SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.

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

and place and "x" in column (c) if sale involves export across a state line.

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	NONE							
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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32								
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34								
35								
36								
37								
38								
39								
40								
41	* Winter period contract demand.							
42								



## SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes

integrated).

6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

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

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents)					Revenue per kwh (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
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								24
								25
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								35
								36
								37
								38
								39
								40
								41
	TOTALS:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	42

**PURCHASED POWER (Account 555)  
(EXCEPT INTERCHANGE POWER)**

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.

2. Provide subheadings and classify purchases as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A Cooperatives, and (7) Other Public

Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.

3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1	Transmission Charges							
2	Hydro Quebec	O	X	TOWN LINE				
3	New York Power Authority	FP	X	TOWN LINE		1,471		
4	Stonybrook Peaking	O		TOWN LINE		10,842		
5	Stonybrook Intermediate	O		TOWN LINE		13,696		
6	Nuclear Mix 1 (Seabrook)	O	X	TOWN LINE		70		
7	Nuclear Mix 1 (Millstone)	O	X	TOWN LINE		710		
8	Nuclear Project 3 (Millstone)	O	X	TOWN LINE		1,645		
9	Nuclear Project 4 (Seabrook)	O	X	TOWN LINE		1,789		
10	Nuclear Project 5 (Seabrook)	O	X	TOWN LINE		249		
11	W.F. Wyman	O	X	TOWN LINE		2,724		
12	Project 6 (Seabrook)	O	X	TOWN LINE		2,340		
13	ISO OATT			TOWN LINE				
14	System Power	DP						
15	Berkshire Wind Power Coope	O		TOWN LINE				
16	Eagle Creek	O		TOWN LINE		1,000		
17	Hancock Wind	O	X	TOWN LINE	RS	2,378		
18	Berkshire Wind Power Coope	O		TOWN LINE				
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
41	** Includes transmission and administrative charges							
42								

**PURCHASED POWER (Account 555)  
(EXCEPT INTERCHANGE POWER)**

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

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

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges	Other Charges (n) **	Total (o)		
60 MINUTES	115,000 V				9,512	9,512	N/A	1
60 MINUTES	115000 V	11,064,769	73,019	55,024	126,006	254,049	\$0.0230	2
60 MINUTES	115000 V	97,013	203,140	18,039	11,580	232,759	\$2.3993	3
60 MINUTES	115000 V	1,786,970	504,084	50,685	15,948	570,717	\$0.3194	4
60 MINUTES	115000 V	692,055	17,595	3,649	41	21,285	\$0.0308	5
60 MINUTES	115000 V	5,933,339	185,699	37,272	5,618	228,589	\$0.0385	6
60 MINUTES	115000 V	13,580,867	429,302	85,313	12,860	527,475	\$0.0388	7
60 MINUTES	115000 V	16,964,903	434,341	89,444	1,017	524,802	\$0.0309	8
60 MINUTES	115000 V	2,360,084	61,415	12,443	141	73,999	\$0.0314	9
60 MINUTES	115000 V	1,390	35,795	495	818	37,108	\$26.6964	10
60 MINUTES	115000 V	22,193,522	661,472	117,011	1,330	779,813	\$0.0351	11
60 MINUTES	115000 V	7,467,300			2,512,798	2,512,798	N/A	12
		70,861,550	378,200	3,772,717	-	4,150,917	\$0.0586	13
60 MINUTES	115000 V	3,474,260	580,248	-	-	580,248	\$0.1670	14
60 MINUTES	115000 V	3,563,540	-	182,988	193	183,181	\$0.0514	15
60 MINUTES	115000 V	6,797,902	-	369,507	269	369,776	\$0.0544	16
60 MINUTES	115000 V	384,680	32,718	-	-	32,718	\$0.0851	17
								18
								19
								20
								21
								22
								23
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								30
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								32
								33
								34
								35
								41
	TOTALS:	167,224,144	\$ 3,597,028	\$ 4,794,587	\$ 2,698,131	\$ 11,089,746		42

## INTERCHANGE POWER (Included in Account 555)

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

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

3. Particulars of settlements for interchange power

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

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

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

Line No.	Name of Company (a)	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				184,228,530	172,274,670	11,953,860	5,928,291
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				184,228,530	172,274,670	11,953,860	5,928,291

## B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	5,631,063
14		NEPOOL EXPENSE	297,228
15			
16			
17			
18			
19			
20			
21	TOTAL		5,928,291

**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	167,224,144
9	( In (gross)	184,228,530
10	Interchanges	172,274,670
11	( Net (Kwh)	11,953,860
12	( Received	-
13	Transmission for/by others (wheeling)	-
14	( Net (Kwh)	-
15	<b>TOTAL</b>	<b>179,178,004</b>
16	<b>DISPOSITION OF ENERGY</b>	
17	Sales to ultimate consumers (including interdepartmental sales)	170,026,631
18	Sales for resale	-
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	1,464,473
22	Energy losses	
23	Transmission and conversion losses	-
24	Distribution losses	7,686,900
25	Unaccounted for losses	-
26	Total energy losses	7,686,900
27	Energy losses as percent of total on line 15	4.29%
28	<b>TOTAL</b>	<b>179,178,004</b>

**MONTHLY PEAKS AND OUTPUT**

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.

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

as to the nature of the emergency.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)

4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.

5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

**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	34,692	Thursday	31	6:00 PM	60 min	17,016,353
30	February	29,316	Friday	1	12:00 PM	60 min	14,705,406
31	March	26,712	Thursday	7	10:00 AM	60 min	15,034,534
32	April	24,091	Monday	8	6:00 PM	60 min	12,815,862
33	May	28,039	Monday	20	4:00 PM	60 min	12,921,627
34	June	35,145	Friday	28	5:00 PM	60 min	13,937,361
35	July	43,210	Wednesday	31	4:00 PM	60 min	19,519,753
36	August	43,982	Monday	19	5:00 PM	60 min	17,254,861
37	September	40,807	Monday	23	4:00 PM	60 min	13,453,790
38	October	26,527	Wednesday	2	10:00 AM	60 min	12,736,681
39	November	27,350	Wednesday	13	8:00 PM	60 min	13,893,861
40	December	28,308	Tuesday	17	6:00 PM	60 min	15,887,915
41						<b>TOTAL</b>	<b>179,178,004</b>

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

Pages 58-59

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					
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16					
17					
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19					
20					

## Page 64

## Pages 64-65

Line No.	Name of Station (a)	Location of Station (b)	Diesel Other type Engine (c)	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									Page 65
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	NONE				
2					
3					
4					
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43					
44					
45					
46					

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	NONE							
2								
3								
4								
5								
6								
7								
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42								
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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		10,000	2	-			
2	Wakefield Avenue, Wakefield	Unattended									
3											
4											
5	Matthew J Burns	Distribution	13,800	4,169		12,500	2	-			
6	Ballister Street, Wakefield	Unattended									
7											
8											
9	Marcus Beebe	Distribution	115,000	13,800		110,000	2	-			
10	Farm Street, Wakefield	Unattended									
11											
12											
13	Wallace Substation	Distribution	115,000	13,800		120,000	2				
14	Salem Street, Wakefield	Unattended									
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26	TOTALS					252,500	8	-			

**OVERHEAD DISTRIBUTION LINES OPERATED**

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	65.4	-	65.4
2	Added During Year	1.9		1.9
3	Retired During Year	1.9		1.9
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				

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

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	7,926	12,980	1,298	106,886
17	Additions during year				
18	Purchased	-			
19	Installed	84	248	35	23,480
20	Associated with utility plant acquired				
21	Total Additions	84	248	35	23,480
22	Reductions during year:				
23	Retirements & other reductions	22	25	43	2,766
24	Associated with utility plant sold				
25	Total Reductions	22	25	43	2,766
26	Number at end of year	7,988	13,203	1,290	127,600
27	In stock		200	115	15,268
28	Locked meters on customers' premises				
29	Inactive transformers on system			-	-
30	In customers' use		13,203	1,290	127,600
31	In company's use		6	8	814
32	Number at end of year		13,409	1,413	143,682

**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	44.32	13.1 miles 3 conductor	13,800	NONE	
2						
3						
4						
5						
6						
7						
8						
9						
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39						
40						
41						
42						
43	TOTALS	44.3	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	3,202	2,587	86	-	35	66	126	49	253
2										
3										
4										
5										
6										
7										
8										
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41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	3,202	2,587	86	-	35	66	126	49	253

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	670,342	122,206	104,488	89,772	48,282	30,110
12							
13							
14	TOTAL MADE &	670,342	122,206	104,488	89,772	48,282	30,110
15	PURCHASED						
16							
17	Net Change in						
18	Holder Gas						
19	TOTAL SENDOUT	670,342	122,206	104,488	89,772	48,282	30,110
20							
21							
22	Gas Sold	636,593	102,755	119,881	99,753	65,727	40,520
23	Gas Used by Company	8,198	965	486	492	707	311
24	Gas Accounted for	644,791	103,720	120,367	100,245	66,434	40,831
25	Gas Unaccounted for	25,551	18,486	(15,879)	(10,473)	(18,152)	(10,721)
26	% Unaccounted						
27	for (0.00%)	3.81%	15.13%	(15.20%)	(11.67%)	(37.60%)	(35.61%)
28							
29							
30	Sendout in 24 Hours						
31	in MCF						
32	Maximum MCF	7,043	7,043	5,731	5,171	3,054	1,885
33	Maximum Date	1/21/19	1/21/19	2/1/19	3/6/19	4/1/19	5/2/19
34	Minimum MCF	395	2,524	2,024	976	636	508
35	Minimum Date	7/4/19	1/24/19	2/4/19	3/30/19	4/19/19	5/26/19
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	15,989	13,735	13,215	15,429	30,071	80,499	106,546
12							
13							
14	15,989	13,735	13,215	15,429	30,071	80,499	106,546
15							
16							
17							
18							
19	15,989	13,735	13,215	15,429	30,071	80,499	106,546
20							
21							
22	22,498	13,608	11,614	12,922	18,971	43,562	84,782
23	395	1,035	243	621	828	489	1,626
24	22,893	14,643	11,857	13,543	19,799	44,051	86,408
25	(6,904)	(908)	1,358	1,886	10,272	36,448	20,138
26							
27	(43.18%)	(6.61%)	10.28%	12.22%	34.16%	45.28%	18.90%
28							
29							
30							
31							
32	729	652	549	709	1,454	4,638	5,735
33	6/13/19	7/21/19	8/8/19	9/4/19	10/27/19	11/13/19	12/19/19
34	462	395	407	424	580	1,498	1,657
35	6/29/19	7/4/19	8/2/19	9/1/19	10/31/19	11/1/19	12/14/19
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							

Next page is 77

**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	<b>DISTRIBUTION - CAST IRON MAINS</b>					
3						
4	3"	3,851	-	-	2,160	1,691
5	4"	3,294	-	-	1,549	1,745
6	6"	140	-	-	-	140
7	10"	-	-	-	-	-
8						
9	Sub Total	7,285	-	-	3,709	3,576
10						
11	<b>DISTRIBUTION - STEEL PIPE</b>					
12						
13	1"	-	-	-	-	-
14	1¼"	60	-	-	-	60
15	1½"	75	-	-	-	75
16	2"	8,471	-	-	831	7,640
17	3"	28,009	-	-	3,094	24,915
18	4"	86,408	-	-	7,679	78,729
19	6"	11,253	-	-	2,776	8,477
20	8"	100	-	-	-	100
21	10"	4,118	-	-	-	4,118
22						
23	Sub Total	138,494	-	-	14,380	124,114
24						
25	<b>DISTRIBUTION - PLASTIC PIPE</b>					
26						
27	1"	90	283	-	-	373
28	1¼"	425	-	-	-	425
29	2"	20,222	530	-	-	20,752
30	3"	4,438	-	-	-	4,438
31	4"	101,536	1,943	-	-	103,479
32	6"	115,220	14,799	-	-	130,019
33	8"	74,429	5,780	-	-	80,209
34	12"	2,816	-	-	-	2,816
35						
36	Sub Total	319,176	23,335	-	-	342,511
37						
38	<b>DISTRIBUTION - STEEL MAINS WELDED</b>					
39						
40	4"	1,550	-	-	-	1,550
41	10"	2,074	-	-	-	2,074
42						
43	Sub Total	3,624	-	-	-	3,624
44						
45	Grand Totals	468,579	23,335	-	18,089	473,825
46						
47						

**GAS DISTRIBUTION SERVICES, HOUSE GOVERNORS AND METERS****PAGE 78**

Line No.	Item	Gas Services	House Governors	Meters
1				
2	Number at beginning of year:	5,033	-	7,068
3	Additions during year			
4	Purchased	-	-	418
5	Installed	253	-	83
6	Associated with utility plant acquired	-	-	
7	Total Additions	253	-	501
8				
9	Reductions during year:			
10	Retirements	210	-	607
11	Associated with utility plant sold	-	-	
12	Total Reductions	210	-	607
13	Number at end of year	5,076	-	6,962
14				
15	In stock			1,414
16	On Customers' Premises - Inactive			-
17	On Customers' Premises - Active			6,962
18	In Company Use			6
19	Number at end of year			8,382
20				
21	Number of Meters Tested by State Inspectors			
22	During Year			1,267
23				

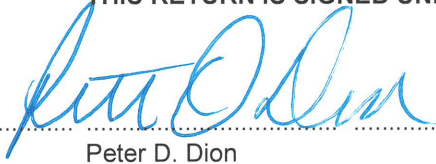
\* Note Meters on Customers' Premises should equal  
Page 44 and Page 4

**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		
August 1, 2009	MDPU 73	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 74	NO CHANGES → SEE ATTACHED		
August 1, 2009	MDPU 75	NO CHANGES → SEE ATTACHED		
January 1, 2020	MDPU 76	Electric Domestic Rate A	No Change	No Change
January 1, 2020	MDPU 77	Electric Commercial Rate B	No Change	No Change
January 1, 2020	MDPU 78	Electric Power Rate C	No Change	No Change
January 1, 2020	MDPU 79	Electric ECC Conservation Charge	\$ 80,000	No Change
January 1, 2020	MDPU 80	Electric Purchased Power & Fuel Adjustmen	No Change	No Change

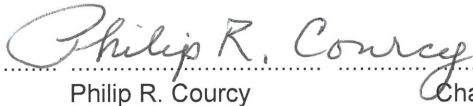
THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY



Peter D. Dion

General Manager

Manager of Electric Light



Philip R. Courcy

Chair

Thomas H. Boettcher

Secretary

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

Kenneth J. Chase, Jr.

Jennifer L. Kallay

John J. Warchol

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

## THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....	.....	.....	Manager of Electric Light
Peter D. Dion	General Manager	)	
.....	.....		
Philip R. Courcy	Chair		
<i>Thomas H. Boettcher</i>			
Thomas H. Boettcher	Secretary		Selectmen
.....	.....		or
Kenneth J. Chase, Jr.			Members
.....	.....		of the
Jennifer L. Kallay			Municipal
.....	.....		Light
John J. Warchol			Board
.....	.....	)	

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.....

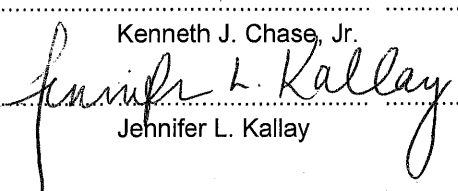
.....

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And severally made oath to the truth of the foregoing statement by them  
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..... Notary Public or  
..... Justice of the Peace

## THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....	.....	.....	Manager of Electric Light
Peter D. Dion	General Manager	)	
.....	.....		
Philip R. Courcy	Chair		
.....	.....		
Thomas H. Boettcher	Secretary		Selectmen
.....	.....		or
Kenneth J. Chase, Jr.			Members
			of the
Jennifer L. Kallay			Municipal
.....	.....		Light
John J. Warchol			Board
.....	.....	)	

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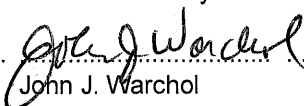
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..... Justice of the Peace

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.....	.....	.....	Manager of Electric Light
Peter D. Dion	General Manager	)	
.....	.....		
Philip R. Courcy	Chair		
.....	.....		
Thomas H. Boettcher	Secretary		Selectmen
.....	.....		or
Kenneth J. Chase, Jr.			Members
.....	.....		of the
Jennifer L. Kallay			Municipal
			Light
John J. Warchol			Board
.....	.....	)	

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..... 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  
Cancels MDTE No. 44  
Effective January 1, 2003**

**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**  
**Cancels MDTE No. 45**  
**Effective January 1, 2003**

**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  
Cancels MDTE No. 46  
Effective January 1, 2003**

**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**

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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. 50M  
Cancels MDTE No. 46  
Effective January 1, 2003**

**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:**

July 1, 2009

**Date Effective:**

August 1, 2009

**Filed by:**

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Michael P. McCarthy, Chairman

Kenneth J. Chase, Jr.

John J. Warchol Jr.

Stephen McGrail

Kevin Haggerty

9 Albion Street

Wakefield, Massachusetts 01880



**MDPU No. 73  
Cancels MDTE No. 68  
Effective May 1, 2002**

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

**Availability**

Service under this rate is available for all domestic purposes in an individual private dwelling or an individual apartment, including electric space heating, where the space heating equipment has been approved by our Department.

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	\$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 calculation.

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th day following the billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Energy 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. 74  
Cancels MDTE No. 69  
Effective May 1, 2002**

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

**Availability**

For use in stores, factories, other places of business and to others to whom the Domestic 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 calculation.

**Discount**

A discount of 10% will be applied to all bills paid on or before the 15th day following the billing date, which is the discount expiration date, provided that all previous bills have been paid. The Customer Charge and Energy 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. 75  
Cancels MDTE No. 70  
Effective May 1, 2002**

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

**Availability**

For use in all factories, stores and places of business when monthly usage is 5,000 kilowatt-hours and above. Also available for network services including lighting. Special service, such as welding, x-ray, heating and air conditioning is available 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.

**Minimum Bill**

The Customer Charge

**Discount**

A discount of 10% exclusive of energy charge and fuel adjustment charge paid on or before the discount expiration date.

MDPU No. 75  
Cancels MDTE No. 70  
Effective May 1, 2002

### **Purchased Power and Fuel Adjustment**

The amount determined under the preceding Cost of Service shall be adjusted in accordance with the Department's Purchased Power and Fuel Adjustment Charge calculation as provided in M.D.T.E. No. 72.

### **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.

### **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**  
**Cancels 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:**

#####

**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**  
**Cancels 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**

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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. 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

**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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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**

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**Terms and Conditions**

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