

The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

**the Town of
NORWOOD**

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2017

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

Official title:

Office address:

Tony Mazzucco

Town Manager

Municipal Building

Norwood, MA 02062

GOULET, SALVIDIO
& ASSOCIATES, P.C.
CERTIFIED PUBLIC ACCOUNTANTS

To the Board of Commissioners
Norwood Municipal Light Department
Norwood, Massachusetts 02062

Management is responsible for the accompanying financial statements of Norwood Municipal Light Department, which comprise the balance sheet as of December 31, 2017, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements in the accompanying prescribed form.

The financial statements included in the accompanying prescribed form are presented in accordance with the requirements of the Massachusetts Department of Public Utilities, and are not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

Goulet, Salvidio & Associates P.C.

Goulet, Salvidio & Associates, P.C.

Worcester, Massachusetts
May 29, 2018

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FOR GAS PLANTS ONLY:

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GENERAL INFORMATION

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- | | | |
|-----|--|---|
| 1. | Name of town (or city) making report. | Norwood |
| 2. | If the town (or city) has acquired a plant,
Kind of plant, whether gas or electric.
Owner from whom purchased, if so acquired.
Date of votes to acquire a plant in accordance with the provisions of
chapter 164 of the General Laws.
Record of votes: First vote: Yes, 154; No, 19 Second vote: Yes, 146; No, 5
Date when town (or city) began to sell gas and electricity, | Electric

September 1, 1907 |
| 3. | Name and address of manager of municipal lighting: | Tony Mazzucco
1 Upland Woods Circle
Norwood, MA |
| 4. | Name and address of mayor or selectmen: | Thomas F. Maloney Norwood
William J. Plasko Norwood
Helen Abdallah Donohue Norwood
Allan D. Howard Norwood
Paul A. Bishop Norwood |
| 5. | Name and address of town (or city) treasurer: | Mark Good
47 Maple Street
Norfolk, MA |
| 6. | Name and address of town (or city) clerk: | Thomas McQuaid
140 Railroad Ave
Norwood, MA |
| 7. | Names and addresses of members of municipal light board: | Thomas F. Maloney Norwood
William J. Plasko Norwood
Helen Abdallah Donohue Norwood
Allan D. Howard Norwood
Paul A. Bishop Norwood |
| 8. | Total valuation of estates in town (or city) according to last State valuation
(taxable) | \$ 4,979,463,793 |
| 9. | Tax rate for all purposes during the year: | Residential \$11.09
Commercial/Industrial/Personal Property \$22.47 |
| 10. | Amount of manager's salary: | \$165,055 |
| 11. | Amount of manager's bond: | None |
| 12. | Amount of salary paid to members of municipal light board (each): | None |

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.

		Amount	
INCOME FROM PRIVATE CONSUMERS:			
1	From sales of gas	0	
2	From sales of electricity	55,000,000	
3	TOTAL	55,000,000	
4			
5	EXPENSES		
6	For operation, maintenance and repairs	47,000,000	
7	For interest on bonds, notes or scrip		
8	For depreciation fund (3.00% 86,759,306 as per page 8B)	2,602,779	
9	For sinking fund requirements		
10	For note payments		
11	For bond payments		
12	For loss in preceding year		
13	TOTAL	49,602,779	
14			
15	COST:		
16	Of gas to be used for municipal buildings		
17	Of gas to be used for street lights		
18	Of electricity to be used for municipal buildings	645,388	
19	Of electricity to be used for street lights	350,905	
20	Total of above items to be included in the tax levy	996,293	
21			
22	New construction to be included in the tax levy		
23	Total amounts to be included in the tax levy	996,293	
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, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31
		Norwood	15,828
TOTAL	0	TOTAL	15,828

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT

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

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

1.	Street lights	350,905
2.	Municipal buildings	645,388
3.		
		TOTAL <u>996,293</u>

* Date of meeting and whether regular or special

** Here insert bonds, notes or tax levy

CHANGES IN THE PROPERTY

- Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

In electric property:

In gas property:

Not applicable

Bonds
(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	When Payable			
Apr-69	Apr-69	2,300,000					
	Jul-70	1,098,000					
May-00	Jan-01	12,560,000	630,000	January 15th	Variable	Jan 15th & July 15th	2,413,900
2007	Jan-08	53,000,000	3,625,000	January 15th	Variable	Jan 15th & July 15th	25,167,000
2008	8/15/2009	18,000,000	900,000	August 15th	Variable	Feb & Aug 15th	10,800,000
2007	8/15/2009	20,000,000	1,335,000	August 15th	Variable	Feb & Aug 15th	8,958,000
2009	10/15/2009	4,500,000	300,000	October 15th	Variable	April & October 15th	2,100,000
2016	7/28/2016	6,000,000	320,000	July 15th	Variable	January & July	5,680,000
	TOTAL		117,458,000			TOTAL	55,118,900

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

		TOTAL COST OF PLANT - ELECTRIC					
1. Report below the cost of utility plant in service according to prescribed accounts		Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
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)	(b)	(c)	(d)	(e)	(f)	(g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310: Land and Land Rights						
9	311: Structures and Improvements						
10	312: Boiler Plant Equipment						
11	313: Engines and Engine Driven Generators						
12	314: Turbogenerator Units						
13	315: Accessory Electric Equipment						
14	316: Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant	0	0	0	0	0	0
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						
	Total Nuclear Production Plant	0	0	0	0	0	0

TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant	0	0	0	0	0	0
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	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	Total Other Production Plant	0	0	0	0	0	0
19	Total Production Plant	0	0	0	0	0	0
20	3. Transmission Plant						
21	350 Land and Land Rights	841,112	-	-	-	-	841,112
22	351 Clearing Land and Rights of Way	415,000	-	-	-	-	415,000
23	352 Structures and Improvements	6,466,868	-	-	-	-	6,466,868
24	353 Station Equipment	13,135,212	6,003	-	-	-	13,141,215
25	354 Towers and Fixtures	-	-	-	-	-	-
26	355 Poles and Fixtures	3,669,954	-	-	-	-	3,669,954
27	356 Overhead Conductors and Devices	2,848,394	136,525	-	-	-	2,984,919
28	357 Underground Conduit	2,209,943	-	-	-	-	2,209,943
29	358 Underground Conductors and Devices	2,379,160	-	-	-	-	2,379,160
30	359 Roads and Trails	-	-	-	-	-	-
31	Total Transmission Plant	31,965,643	142,528	0	0	0	32,108,171

TOTAL COST OF PLANT (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	31,398	-	-	-	-	31,398
3	361 Structures and Improvements	3,372,777	50,000	-	-	-	3,422,777
4	362 Station Equipment	8,354,318	12,299	-	-	-	8,366,617
5	363 Storage Battery Equipment	-	-	-	-	-	-
6	364 Poles, Towers and Fixtures	2,914,031	72,058	(7,200)	-	-	2,978,889
7	365 Overhead Conductors and Devices	5,853,392	50,841	(35,150)	-	-	5,869,083
8	366 Underground Conduit	11,559,734	-	-	-	-	11,559,734
9	367 Underground Conductors and Devices	4,567,433	94,323	(7,980)	-	-	4,653,776
10	368 Line Transformers	4,721,726	39,567	-	-	-	4,761,293
11	369 Services	1,194,226	-	(8,600)	-	-	1,185,626
12	370 Meters	4,383,425	558,624	(170,800)	-	-	4,771,249
13	371 Installations on Customer's Premises	-	-	-	-	-	-
14	372 Leased Prop on Customer's Premises	-	-	-	-	-	-
15	373 Streetlight and Signal Systems	-	-	-	-	-	-
16	Total Distribution Plant	485,682	182,850	(6,550)	-	-	661,982
17	5. GENERAL PLANT	47,438,142	1,060,562	(236,280)	0	0	48,262,424
18	389 Land and Land Rights	625,000	-	-	-	-	625,000
19	390 Structures and Improvements	2,031,734	-	-	-	-	2,031,734
20	391 Office Furniture and Equipment	635,793	546	-	-	-	636,339
21	392 Transportation Equipment	2,952,125	37,706	-	-	-	2,989,831
22	393 Stores Equipment	-	-	-	-	-	-
23	394 Tools, Shop and Garage Equipment	78,681	99	-	-	-	78,780
24	395 Laboratory Equipment	46,395	-	-	-	-	46,395
25	396 Power Operated Equipment	-	-	-	-	-	-
26	397 Communication Equipment	1,456,543	-	-	-	-	1,456,543
27	398 Miscellaneous Equipment	21,599	-	-	-	-	21,599
28	399 Other Tangible Property	-	-	-	-	-	-
29	Total General Plant	7,847,870	38,351	0	0	0	7,886,221
30	Total Electric Plant in Service	87,251,655	1,241,441	(236,280)	0	0	88,256,816
31							
33							
34							

Total Cost of Electric Plant.....
 Less Cost of Land, Land Rights, Rights of Way.....
 Total Cost upon which Depreciation is based.....
 Total Cost of Land, Land Rights, Rights of Way.....
 Total Cost upon which Depreciation is based.....

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.

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COMPARATIVE BALANCE SHEET Assets and Other Debits					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		UTILITY PLANT			
2	101	Utility Plant - Electric (P. 17)	40,708,060	39,197,034	(1,511,026)
3	101	Utility Plant - Gas (P. 20)			0
4					
5		Total Utility Plant	40,708,060	39,197,034	(1,511,026)
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds	0	0	0
13	126	Depreciation Fund (P. 14)	4,063,579	4,677,107	613,528
14	128	Other Special Funds	12,006,105	9,222,248	(2,783,857)
15		Total Funds	16,069,684	13,899,355	(2,170,329)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	0	0	0
18	132	Special Deposits	635,217	651,808	16,591
19	135	Working Funds	0	0	0
20	141	Notes Receivable	0	0	0
21	142	Customer Accounts Receivable	2,587,343	2,479,906	(107,437)
22	143	Other Accounts Receivable	0	0	0
23	145	Receivables from Municipality	181,283	181,283	0
24	146	Receivables from Broadband	28,002	28,002	0
25					
26	165	Prepayments	3,638,415	3,355,229	(283,186)
27	173	Accrued Utility Revenues	1,669,982	2,167,325	497,343
28		Total Current and Accrued Assets	8,740,242	8,863,553	123,311
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount	0	0	0
31	182	Extraordinary Property Losses	0	0	0
32	185	Other Deferred Debits	240,507	781,311	540,804
33		Total Deferred Debits	240,507	781,311	540,804
34					
35		Total Assets and Other Debits	65,758,493	62,741,253	(3,017,240)

COMPARATIVE BALANCE SHEET Liabilities and Other Credits					
Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction	0	0	0
3		SURPLUS			
4	205	Sinking Fund Reserves			0
5	206	Loans Repayment	56,616,808	63,726,808	7,110,000
6	207	Appropriations for Construction Repayments	2,849,896	2,849,896	0
7	208	Unappropriated Earned Surplus (P. 12)	(76,632,268)	(78,806,834)	(2,174,566)
8		Total Surplus	(17,165,564)	(12,230,130)	4,935,434
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	62,960,000	55,118,900	(7,841,100)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	62,960,000	55,118,900	(7,841,100)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	2,208,104	2,704,430	496,326
15	234	Payables to Municipality	378,444	378,444	0
16	235	Customers' Deposits	635,217	651,808	16,591
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	1,354,732	1,241,863	(112,869)
19	242	Miscellaneous Current and Accrued Liabilities	103,699	112,324	8,625
20		Total Current and Accrued Liabilities	4,680,196	5,088,869	408,673
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	938,153	66,378	(871,775)
23	252	Customer Advances for Construction	0	0	0
24	253	Other Deferred Credits	0	0	0
25		Total Deferred Credits	938,153	66,378	(871,775)
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	484,685	484,685	0
28	261	Property Insurance Reserve	0	0	0
29	262	Injuries and Damages Reserves	0	0	0
30	263	Pensions and Benefits Reserves	5,589,558	5,611,536	21,978
31	265	Miscellaneous Operating Reserves	8,065,158	8,400,897	335,739
32		Total Reserves	14,139,401	14,497,118	357,717
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction	206,307	200,118	(6,189)
35		Total Liabilities and Other Credits	65,758,493	62,741,253	(3,017,240)

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.

STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)	51,710,065	1,596,672
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	33,540,037	(113,853)
5	402 Maintenance Expense	1,544,801	533,413
6	403 Depreciation Expense	2,572,625	286,977
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	37,657,463	706,537
11	Operating Income	14,052,602	890,135
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	14,052,602	890,135
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	0
17	419 Interest Income	235,770	196,355
18	421 Miscellaneous Nonoperating Income (P. 21)	(45,232)	(14,836)
19	Total Other Income	190,538	181,519
20	Total Income	14,243,140	1,071,654
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(6,189)	(6,189)
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(6,189)	(6,189)
25	Income Before Interest Charges	14,249,329	1,077,843
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	2,177,391	(158,228)
28	428 Amortization of Debt Discount and Expense	0	0
29	429 Amortization of Premium on Debt - Credit	0	0
30	431 Other Interest Expense	0	0
31	432 Interest Charged to Construction - Credit	0	0
32	Total Interest Charges	2,177,391	(158,228)
33	NET INCOME	12,071,938	1,236,071
	EARNED SURPLUS		
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)	76,632,268	
35			
36			
37	433 Balance Transferred from Income		12,071,938
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	6,405,404	
40	436 Appropriations of Surplus (P. 21)	7,841,100	
41	437 Surplus Applied to Depreciation	0	
42	208 Unappropriated Earned Surplus (at end of period)		78,806,834
43			
44	TOTALS	90,878,772	90,878,772

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	0	
MATERIALS AND SUPPLIES (Accounts 151-159, 163) Summary per Balance Sheet			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))		
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet	0	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	4,063,579	
26	Income during year from balance on deposit (interest)	2,332,439	
27	Amount transferred from income	2,332,439	
28	Miscellaneous Debits		
29	TOTAL	6,396,018	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	1,718,911	
32	Amounts expended for renewals, viz:-		
33	Miscellaneous Credits		
34			
35			
36			
37			
38			
39	Balance on hand at end of year	4,677,107	
40	TOTAL	6,396,018	

UTILITY PLANT - ELECTRIC							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4							
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines and Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	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						

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

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land 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						
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						
19	Total Production Plant						
20	3. Transmission Plant						
21	350 Land and Land Rights	841,112	-	-	-	-	841,112
22	351 Clearing Land and Rights of Way	415,000	-	-	-	-	415,000
23	352 Structures and Improvements	4,504,225	194,006	194,006	-	-	4,310,219
24	353 Station Equipment	9,199,848	6,003	394,056	-	-	8,811,795
25	354 Towers and Fixtures	-	-	-	-	-	-
26	355 Poles and Fixtures	3,544,136	-	110,099	-	-	3,434,037
27	356 Overhead Conductors and Devices	2,855,554	136,525	85,452	-	-	2,906,627
28	357 Underground Conduit	1,329,732	-	66,298	-	-	1,263,434
29	358 Underground Conductors and Devices	1,374,549	-	71,375	-	-	1,303,174
30	359 Roads and Trails	-	-	-	-	-	-
31	Total Transmission Plant	24,064,156	142,528	921,286	-	-	23,285,398

UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	31,398	-	-	-	-	31,398
3	361 Structures and Improvements	101,618	50,000	3,502	-	-	148,116
4	362 Station Equipment	2,357,154	12,299	348,311	-	-	2,021,142
5	363 Storage Battery Equipment	-	-	-	-	-	-
6	364 Poles Towers and Fixtures	17,915	72,058	17,915	-	-	72,058
7	365 Overhead Conductors and Devices	101,360	50,841	57,511	-	-	94,690
8	366 Underground Conduit	1,924,845	-	469,892	-	-	1,454,953
9	367 Underground Conductors and Devices	3,720,167	94,323	218,979	-	-	3,595,511
10	368 Line Transformers	190,105	39,567	141,652	-	-	88,020
11	369 Services	-	-	-	-	-	-
12	370 Meters	1,831,138	558,624	162,321	-	-	2,227,441
13	371 Installations on Customer's Premises	830	-	-	-	-	830
14	372 Leased Prop on Customer's Premises	-	-	-	-	-	-
15	373 Streetlight and Signal Systems	-	-	-	-	-	-
16	Total Distribution Plant	344,806	182,850	14,570	-	-	513,086
17	5. GENERAL PLANT	10,621,336	1,060,562	1,434,663	-	-	10,247,245
18	389 Land and Land Rights	625,000	-	-	-	-	625,000
19	390 Structures and Improvements	1,878,658	-	60,952	-	-	1,817,706
20	391 Office Furniture and Equipment	31,669	546	4,354	-	-	27,861
21	392 Transportation Equipment	2,518,160	37,706	103,284	-	-	2,452,582
22	393 Stores Equipment	-	-	-	-	-	-
23	394 Tools, Shop and Garage Equipment	54,716	99	2,360	-	-	52,455
24	395 Laboratory Equipment	10,326	-	1,392	-	-	8,934
25	396 Power Operated Equipment	-	-	-	-	-	-
26	397 Communication Equipment	713,422	-	43,696	-	-	669,726
27	398 Miscellaneous Equipment	10,775	-	648	-	-	10,127
28	399 Other Tangible Property	-	-	-	-	-	-
29	Total General Plant	5,842,726	38,351	216,686	-	-	5,664,391
30	Total Electric Plant in Service	40,528,218	1,241,441	2,572,625	-	-	39,197,034
31	104 Utility Plant Leased to Others	-	-	-	-	-	-
32	105 Property Held for Future Use	-	-	-	-	-	-
33	107 Construction Work in Progress	179,842	-	-	-	-	-
34	Total Utility Plant Electric	40,708,060	1,241,441	2,572,625	-	(179,842)	39,197,034

STATE OF NEW YORK
 COUNTY OF NORFOLK
 TOWN OF NORWOOD

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		
			Quantity (c)	Cost (d)	Quantity (e)
1	On Hand Beginning of Year				
2	Received During Year				
3	TOTAL	0			
4	Used During Year (Note A)				
5					
6					
7					
8					
9					
10					
11	Sold or Transferred				
12	TOTAL DISPOSED OF	0			
13	BALANCE END OF YEAR	0			
Kinds of Fuel and Oil - continued					
Line No.	Item (g)	Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year				
15	Received During Year				
16	TOTAL				
17	Used During Year (Note A)				
18					
19					
20					
21					
22					
23					
24	Sold or Transferred				
25	TOTAL DISPOSED OF				
26	BALANCE END OF YEAR				

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

MISCELLANEOUS NONOPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6		
	TOTAL	0
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	TOTAL	0
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23		
	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Light department receipts benefiting the town and retained by	
25	the town, in excess of appropriations benefiting the light department.	5,305,404
26		
27	Payment in Lieu of Taxes	1,100,000
28		
29		
30		
31		
32		
	TOTAL	6,405,404
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34	Bond Payment	7,841,100
35		
36		
37		
38		
39		
40		
	TOTAL	7,841,100

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						
2						
3						
4		TOTALS				
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)	
5	444-2	Municipal: (Other than Street Lighting)	4,898,360	645,976	0.1319	
6						
7						
8						
9						
10						
11						
12		TOTALS	4,898,360	645,976	0.1319	
13	444-1	Street Lighting	3,050,078	376,129	0.1233	
14						
15						
16						
17						
18		TOTALS	3,050,078	376,129	0.1233	
19		TOTALS	7,948,438	1,022,105	0.1286	
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)
20		Shell		32,876,190	1,771,369	
21		Saddleback		9,178,240	626,201	0.0682
22		Spruce Mountain		10,432,030	796,457	0.0763
23		Canton		1,187,630	111,868	
24		NU Gen (Solar)		4,167,080	257,893	
25		MMWEC - PASNY	115KV	12,706,530	304,625	0.0240
26		NextEra	115KV	197,254,580	11,387,507	0.0577
27		NextEra Virtual Power		46,720,000	3,116,571	0.0667
28		Miller		9,319,380	445,473	0.0478
29		ISO		4,907,530	9,589,262	1.9540
29		TOTALS		328,749,190	28,407,226	0.0864
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)
30						
31						
32						
33						
34						
35						
36						
37						
38						
39		TOTALS		0	0	

Annual Report of the Town of Norwood

Year Ended December 31, 2017

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	SALES OF ELECTRICITY								
2	440 Residential Sales	12,933,049	97,440	87,312,833	(3,519,008)	13,590	117		
3	442 Commercial and Industrial Sales	34,164,745	1,319,250	219,983,729	940,493	2,219	(8)		
4	Small Commercial B Sales	0	0	0	0	0	0		
5	Large Commercial C Sales	0	0	0	0	0	0		
6	444 Municipal Sales	1,022,105	110,363	7,948,438	513,946	9	0		
7	445 Other Sales to Public Authorities	0	0	0	0	0	0		
8	446 Sales to Railroads and Railways	0	0	0	0	0	0		
9	448 Interdepartmental Sales	0	0	0	0	0	0		
10	449 Miscellaneous Sales	0	0	0	0	0	0		
11	Total Sales to Ultimate Consumers	48,119,899	1,527,053	315,245,000	(2,064,569)	15,818	109		
12	Sales for Resale	0	0	0	0	0	0		
13	Total Sales of Electricity*	48,119,899	1,527,053	315,245,000	(2,064,569)	15,818	109		
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts	689,714	178,841						
16	451 Miscellaneous Service Revenues	0	0						
17	453 Sales of Water and Water Power	0	0						0.000
18	454 Rent from Electric Property	0	0						
19	455 Interdepartmental Rents	0	0						
20	456 Other Electric Revenues - NSTAR	2,900,452	(109,222)						3,15,245,000
21									
22									
23									
24									
25	Total Other Operating Revenues	3,590,166	69,619						
26	Total Electric Operating Revenue	51,710,065	1,596,672						

* Includes revenues from application of fuel clauses \$

Total KWH to which applied

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales, 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	400.000	Residential	86,532,023	12,758,894	0.1474	13,652	13,590
2	442.000	Commercial	101,847,713	17,503,540	0.1719	1,980	1,976
3	442.000	Industrial	118,136,016	16,661,205	0.1410	46	46
4	442.000	Municipal Building	4,898,360	645,976	0.1319	8	8
5	442.000	Municipal Street Lighting	3,050,078	376,129	0.1233	1	1
6	442.000	Security Light	780,810	174,155	0.2230	198	197
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			315,245,000	48,119,899	0.1526	15,885	15,818

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	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering	0	0
5	501 Fuel	0	0
6	502 Steam Expenses	0	0
7	503 Steam from other sources	0	0
8	504 Steam transferred -- Cr.	0	0
9	505 Electric expenses	0	0
10	506 Miscellaneous steam power expenses	0	0
11	507 Rents	0	0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	0	0
16	512 Maintenance of boiler plant	0	0
17	513 Maintenance of electric plant	0	0
18	514 Maintenance of miscellaneous steam plant	0	0
19	Total Maintenance	0	0
20	Total power production expenses -steam power	0	0
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
40	Total power production expenses -nuclear power	0	0
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - Continued		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	0	0
4	542 Maintenance of structures	0	0
5	543 Maintenance of reservoirs, dams and waterways	0	0
6	544 Maintenance of electric plant	0	0
7	545 Maintenance of miscellaneous hydraulic plant	0	0
8	Total maintenance	0	0
9	Total power production expenses - hydraulic power	0	0
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering	0	0
13	547 Fuel	0	0
14	548 Generation Expenses	0	0
15	549 Miscellaneous other power generation expense	0	0
16	550 Rents	0	0
17	Total Operation:	0	0
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	0	0
21	553 Maintenance of generating and electric plant	0	0
22	554 Maintenance of miscellaneous other power generation plant	0	0
23	Total Maintenance	0	0
24	Total power production expenses - other power	0	0
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	25,033,590	(205,689)
27	556 System control and load dispatching	0	0
28	557 Other expenses	166,007	(109,596)
29	Total other power supply expenses	25,199,597	(315,285)
30	Total power production expenses	25,199,597	(315,285)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	207,967	(1,755)
35	562 Station expenses	249,497	13,283
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	3,207,629	(171,543)
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	3,665,093	(160,015)
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	7,726	7,384
46	571 Maintenance of overhead lines	749,628	343,980
47	572 Maintenance of underground lines	3,224	(1,186)
48	573 Maintenance of miscellaneous transmission plant	0	0
49	Total maintenance	760,578	350,178
50	Total transmission expenses	4,425,671	-190,163

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation supervision and engineering	58,010	9,895
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	259,964	73,356
6	583 Overhead line expenses	532,447	(80,455)
7	584 Underground line expenses	10,200	(7,032)
8	585 Street lighting and signal system expenses	33,297	31,235
9	586 Meter expenses	23,656	3,229
10	587 Customer installations expenses	1,685	(2,257)
11	588 Miscellaneous distribution expenses	156,821	6,382
12	589 Rents	315	(945)
13	Total operation	1,076,395	33,408
14	Maintenance:		
15	590 Maintenance supervision and engineering	277,152	110,692
16	591 Maintenance of structures	0	(643)
17	592 Maintenance of station equipment	101,489	(18,372)
18	593 Maintenance of overhead lines	90,981	59,599
19	594 Maintenance of underground lines	44,173	2,770
20	595 Maintenance of line transformers	195,233	2,407
21	596 Maintenance of street lighting and signal systems	19,030	(7,228)
22	597 Maintenance of meters	13,923	4,408
23	598 Maintenance of miscellaneous distribution plant	90	90
24	Total maintenance	742,071	153,723
25	Total distribution expenses	1,818,466	187,131
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	425,568	18,461
30	903 Customer records and collection expenses	555,744	(188,764)
31	904 Uncollectible accounts	100,695	4,576
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	1,082,007	(165,727)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	180,932	(37,384)
38	913 Advertising expenses	1,473	(1,747)
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	182,405	(39,131)
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	518,257	(111,797)
44	921 Office supplies and expenses	983	(11,525)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	129,046	22,298
47	924 Property insurance	110,625	48,125
48	925 Injuries and damages	711,841	365,747
49	926 Employee pensions and benefits	609,702	192,316
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	222,356	12,859
53	931 Rents	31,730	14,874
55	Total operation	2,334,540	532,897

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued				
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.			
2	Maintenance:			
3	932 Maintenance of general plant	42,152	29,512	
4	Total administrative and general expenses	2,376,692	562,409	
5	Total Electric Operation and Maintenance Expenses	35,084,838	419,560	
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES				
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses			
7	Electric Generation:			
8	Steam Power:			
9	Nuclear Power			
10	Hydraulic Power			
11	Other Power			
12	Other Power Supply Expenses	25,199,597		25,199,597
13	Total power production expenses	25,199,597		25,199,597
14	Transmission Expenses	3,665,093	760,578	4,425,671
15	Distribution Expenses	1,076,395	742,071	1,818,466
16	Customer Accounts Expenses	1,082,007		1,082,007
17	Sales Expenses	182,405		182,405
18	Administrative and General Expenses	2,334,540	42,152	2,376,692
19	Total Electric Operation and			
20	Maintenance Expenses	33,540,037	1,544,801	35,084,838
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)			72.82%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			3,359,298
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			37

Next Page is 49

OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
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44					
45					
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47					
48					
49					
50					
51	TOTALS				

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)					
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,				0
3	allowances and returns:				0
4	Contract work				0
5	Commissions				0
6	Other (list according to major classes)				0
7					
8					
9					
10	Total Revenues:	0	0	0	0
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs				0
17	Materials				0
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					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	0	0	0	0

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 such sales may be grouped.

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (omit Cents)					Revenue per kWh (CENTS) (10,000) (o)	Line No.
		Kilowatt Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (p)		
								1
								2
								3
								4
								5
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								34
								35
								36
								37
								38
								39
								40
								41
TOTALS:		0	0.00	0.00		0.00		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)		
								1
								2
								3
								4
								5
								6
								7
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								36
								37
								38
								39
								40
								41
	TOTALS:	0	-	-	-	-		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)	Interchange Address (b)	Point of Interchange (c)	Voltagere (d)	Wattage (e)	Net Difference (f)	Delivered (g)	Received (h)	Net Difference (i)	Amount of Settlement (j)	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12	TOTALS									0	0

B. Details of Settlement for Interchange Power

Line No.	Name of Company (a)	Explanation (b)	Amount (c)
13			
14			
15			
16			
17			
18			
19			
20			
21	TOTAL		

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	SOURCES OF ENERGY	
2	Generation	
3	Steam	
4	Nuclear	
5	Hydro	
6	Other	
7	Total Generation	
8	Purchases	319,429,810
9	(In (gross)	
10	Interchanges < Out (gross)	
11	(Net (Kwh))	9,319,380
12	(Received	
13	Transmission for/by others (wheeling) < Delivered	
14	(Net (Kwh))	0
15	TOTAL	328,749,190
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	315,245,000
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use)	
21	Electric department only	
22	Energy losses	
23	Transmission and conversion losses	
24	Distribution losses 4.11%	13,504,190
25	Unaccounted for losses	
26	Total energy losses	13,504,190
27	Energy losses as percent of total on line 15 4.11%	
28	TOTAL	328,749,190

MONTHLY PEAKS AND OUTPUT

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

Town of **NORWOOD**

Line No.	Month (a)	Kilowatts (b)	Monthly Peak				Monthly Output (kwh) (See Instr. 4) (g)
			Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	50,923	Monday	18	6:00 PM	60 min	27,615,715
30	February	47,030	Friday	12	12:00 PM	60 min	24,712,360
31	March	46,502	Thursday	9	9:00 PM	60 min	27,455,355
32	April	46,938	Tuesday	16	4:00 PM	60 min	24,191,857
33	May	65,953	Thursday	16	4:00 PM	60 min	25,707,415
34	June	75,010	Tuesday	16	4:00 PM	60 min	29,427,950
35	July	70,883	Wednesday	15	3:00 PM	60 min	31,939,312
36	August	65,135	Tuesday	16	4:00 PM	60 min	31,024,523
37	September	63,751	Wednesday	16	4:00 PM	60 min	27,440,297
38	October	50,966	Tuesday	15	3:00 PM	60 min	25,805,786
39	November	45,404	Friday	14	2:00 PM	60 min	24,964,239
40	December	51,775	Thursday	18	6:00 PM	60 min	28,464,381
41						TOTAL	328,749,190

GENERATING STATIONS						Pages 58 through 66
GENERATING STATION STATISTICS (Large Stations)						Pages 58-59
(Except Nuclear)						
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
STEAM GENERATING STATIONS						Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
HYDROELECTRIC GENERATING STATIONS						Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
COMBUSTION ENGINE AND OTHER GENERATING STATIONS						Pages 64-65
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						
GENERATING STATION STATISTICS (Small Stations)						Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2						
3						
4						
5						
6						

TRANSMISSION LINE STATISTICS								
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	Sharon	Norwood	115KV	Wood H Frame	3.300	None	1	795 MCM
2					3.300		1	OPGW
3								
4	STA 495 Dean St	STA 469 Ellis Ave	115KV	Underground	2.2 Miles		2	1000 MCM
5					2-4 Way			Solid
6					Duct Banks			Dielectric
7								Copper
8								
9								
10								
11								
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45								
46								
47	TOTALS					0		4

* 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 (f), (g), and (k) special equipment such as rotary converters, rectifiers, condensers, etc., and auxiliary equipment for increasing capacity.

6. Designate substations or major terms 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 of 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	Station 495 - Dean Street	Distribution Attended	115,000	13,800		205,000	4	0	None			
2	Station 469 - Ellis Ave	Distribution - Unattended	115,000	13,800		165,000	3	0	None			
3												
4												
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25												
26	TOTALS						370,000	7	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	138.56		138.56
2	Added During Year	0.08		0.08
3	Retired During Year	0.00		0.00
4	Miles -- End of Year	138.64	0.00	138.64
5				
6				
7				
8	Distribution System Characteristics - AC or DC, Phase, cycles and operating voltages for Light and Power			
9				
10				
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:	9,397	29,360	3,917	335,747.5
17	Additions during year:				
18	Purchased		492	57	5,726.0
19	Installed	48	12,028	39	3,204.5
20	Associated with utility plant acquired				
21	Total Additions	48	12,520	96	8,930.5
22	Reductions during year:				
23	Retirements	44	12,015	81	7,525.0
24	Associated with utility plant sold				
25	Total Reductions	44	12,015	81	7,525.0
26	Number at end of year	9,401	29,865	3,932	337,153.0
27	In stock		14,260	102	24,553.0
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		15,605	3,830	312,600.0
31	In company's use				
32	Number at end of year		29,865	3,932	337,153.0

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		24.780	7.53	3/C 220 Volts		
2			9.27	1/C 220 Volts		
3			.05	2/C 220 Volts		
4			34.21	3/C 13,800 Volts		
5			6.40	1/C 13,800 Volts		
6						
7						
8						
9						
10						
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34						
49						
TOTALS		24.78	55.28			

*Indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			LED		Mercury Vapor		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Norwood	2,727	1,034	-	-	-	-	-	1,693	-
2										
3										
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50										
51										
52	TOTALS	2,727	1,034	-	-	-	-	-	1,693	-

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor

[Handwritten signature of Tony Mazzucco]

Tony Mazzucco

Town Manager

[Handwritten signature of Thomas F. Maloney]

Thomas F. Maloney

[Handwritten signature of William J. Plasko]

William J. Plasko

[Handwritten signature of Helen Abdallah Donohue]

Helen Abdallah Donohue

[Handwritten signature of Allan D. Howard]

Allan D. Howard

[Handwritten signature of Paul A. Bishop]

Paul A. Bishop

Selectmen
or
Members
of the
Municipal
Light
Board

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

SS

20

Then personally appeared

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

Notary Public or
Justice of the Peace

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RATE A-01

General Purpose Rate --- Residential

Availability

Single phase only; for all residential use except as provided for Apartment or Multiple Dwellings.

Apartments and Multiple Dwellings

If, in an apartment building or residential premises having more than one dwelling, separate metering of each individual apartment or dwelling does not presently exist, so that billing directly to the individual tenants is not feasible and service has been rendered through a single meter then the below rate and minimum charge shall be multiplied by the number of apartments or dwellings connected to such a meter.

Limitations

Total capacity of all motors shall not exceed 10 horsepower. All motors larger than 1/4 horsepower shall be operated at 240 volts.

Monthly Charges

- \$ 4.16 For the first 10 kilowatt-hours or any part thereof.
- 23.29 cents per kWh For the next 40 kilowatt-hours,
- 13.18 cents per kWh For the next 50 kilowatt-hours,
- 11.20 cents per kWh For the excess over 100 kilowatt-hours

A discount of 10 percent will be allowed on all bills paid within 10 days of the date thereof.

Minimum Net Bill --- \$4.16 per month

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt-hours on this rate.

Rate H-08

Heating Rate

Availability

Single phase or 3 phase where facilities of Light Department permit, for residential use except as provided for Apartment and Multiple Dwellings, or other approved use, and where no fuel or energy other than electricity is used for cooking, water heating and/or space heating or at discretion of Light Department and subject to approval of Light Commissioners.

Apartments and Multiple Dwellings

If, in an apartment building or residential premises having more than one dwelling, separate metering of each individual apartment or dwelling does not presently exist, so that billing directly to the individual tenants is not feasible and service has been rendered through a single meter, then the below specified number of kilowatt-hours in each block of the below rate and the minimum charge shall be multiplied by the number of apartments or dwellings connected to such meter.

Limitations

Total capacity of all motors shall not exceed 10 horsepower. All motors larger than 1/4 horsepower shall be operated at 240 volts. Building construction requirements for space heating shall conform to specifications of the department. Requirements for water heater shall be in accordance with Rate F-06.

Monthly Charges Excluding Water Heating

First 400 kwhr or less Computed on Rate A-01, M.D.P.U. No.248

All over 400 kwhr @ 9.82 cents per kwhr.

Monthly Charges for Water Heating

Customer's option of either:

- (a) Uncontrolled energy - computed on above Rate or
- (b) Controlled energy - computed on Rate F-06

A discount of 10 percent will be allowed on all bills paid within 10 days of date thereof.

Minimum Net Bill \$4.16 per month

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt hours on this rate.

Rate F-06

Water Heating

Availability

Single Phase only, for residential and commercial electric water heating during "off-peak" hours only, except that energy for water heating will be available for not less than 17 hours in each calendar day.

Requirements

Water heaters shall be of an approved electric, storage, two element type of not less than 50 gallon capacity. Each tank to which the electric hot water heater is connected or in which the electric hot water heater is installed; shall be provided with a combination temperature and pressure relief valve of the tube type which provides a tube extending down into the water in the tank and a vacuum relief valve, these devices to be placed directly on the tank and not in the piping to or from the tank. No check valve is to be permitted in the cold water line.

Monthly Charges

\$ 8.10

For the first 50 kilowatt-hours or any part thereof.

6.25 cents per kWh

For the excess over 50 kilowatt-hours.

Minimum Net Bill -- \$ 8.10 per month.

No Discount allowed under these rates.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied to all kilowatt-hours on this rate.

Norwood Municipal Light Department

Rate B-02

General Purpose Rate -- Commercial & Industrial

Availability

Single Phase, low tension, and where established facilities of the department permit, three-phase, low tension. Service available at 120 volts for lighting and at 208 volts or 277 volts for power.

Limitations

All motors and motor-starting equipment shall be subject to the approval of the department. The locked rotor current of any motor shall not exceed 450 percent of its rated load current. Any motor in excess of 10hp must be brought to the attention of the department.

Monthly Charges

\$ 15.89

For the first 25 kilowatt-hours or any part thereof.

13.77 cents per kwhr

For the next 175 kilowatt-hours.

4.24 cents per kwhr

For the next 1800 kilowatt-hours.

15.89 cents per kwhr

For the excess over 2000 kilowatt-hours.

A discount of 5 percent will be allowed on all bills paid within 10 days of the date thereof.

Minimum Net Bill -- \$ 15.89 per month.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt-hours on this rate.

Norwood Municipal Light Department

Rate P-16

Primary Service

Availability

Three-Phase high tension only where established facilities of the department permit.

Limitations

Metering will be accomplished on the primary side of customers' transformers. At Light Department option compensated secondary metering may be substituted.

In no case will the Department own, maintain, or be responsible in any way for any customer owned equipment or apparatus.

Monthly Demand Charges

\$1,514 For the first 50 kilovolt-amperes of the billing demand or any part thereof.

24.20 per kilovolt-ampere For the next 650 kilovolt-amperes of the billing demand.

23.60 per kilovolt-ampere For the excess over 700 kilovolt-amperes of the billing demand.

The billing demand shall be the highest 15-minute kilovolt-ampere demand for the month.

Minimum Net Bill--\$1,514 per month.

Monthly Energy Charge

4.76 cents per kwhr For all energy.

A discount of 10 percent will be allowed on all bills paid within 20 days of the date thereof.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt-hours on this rate.

Norwood Municipal Light Department

Rate M-13

Heating Rate

Availability

Three-phase high tension primary service only where established facilities of the Department permit and customer provides required equipment for new buildings and additions to existing buildings where no fuel other than electricity is used for space heating.

Limitations

Metering will be accomplished on the primary side of customer's transformers. In no case will the Department own, maintain, or be responsible in any way for any customer owned equipment or apparatus.

Monthly Demand Charge

\$ 25.81 per kilovolt-ampere of the billing demand.

Monthly Energy Charge

4.47 cents per kilowatt hour for all energy.

The billing demand shall be the 15-minute kilovolt-ampere demand occurring at the time of the Municipal Light Department's system demand for the month.

Building construction requirements for space heating shall conform to specifications of the department.

A discount of 5 percent will be allowed on all bills paid within 10 days of the date thereof.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied to all kilowatt-hours on this rate.

Norwood Municipal Light Department

M.D.P.U. No. 254
Cancels
M.D.P.U. No. 244

Rate O-15
Outdoor Lighting Rate

Availability

To any customer for outdoor lighting for private property.

Area Lighting

The Light Department will furnish, install and maintain the lamps, luminaries, brackets and photo electric control and will provide electric service to operate the lamps.

Size	SERVICE Type	RATE PER MONTH		MONTHLY EST. USAGE
		"A"	"B"	KWHR
175 watt*	Mercury	\$14.68	\$29.91	77
400 watt*	Mercury	24.30	39.52	173
100 watt*	High Pressure Sodium	18.28	33.50	39
150 watt*	High Pressure Sodium	22.13	37.36	67
250 watt*	High Pressure Sodium	25.85	41.06	103
400 watt*	High Pressure Sodium	33.73	48.94	175
30 watt	LED			up to 35
70 watt	LED			up to 75
110 watt	LED			up to 115
190 watt	LED			up to 195

Flood Lighting

The customer will furnish the lamp, luminaries, photo cell, brackets and all required hardware to be approved by Norwood Light Department. The above will be installed by the Light Department and the Light Department will provide electric service to operate the lamp.

Size	SERVICE Type	RATE PER MONTH		MONTHLY EST. USAGE
		"A"	"B"	KWHR
400 watt**	Mercury	\$14.21	\$29.43	173
1000 watt**	Mercury	22.72	37.94	420
150 watt**	High Pressure Sodium	12.46	27.68	67
250 watt**	High Pressure Sodium	14.07	29.33	103
400 watt**	High Pressure Sodium	16.98	32.20	175
1000 watt**	High Pressure Sodium	22.72	37.94	420
80 watt	LED			up to 90
130 watt	LED			up to 150
250 watt	LED			up to 260

* This service not available for new installation.

** Customer must provide replacement bulbs under these rates.

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Norwood Municipal Light Department

M.D.P.U. No.254

Cancels

M.D.P.U. No. 244

Rate O-15

Installation "A"

Lighting service supplied under this rate shall be installed on an existing approved company pole carrying utilization voltage.

Installation "B"

The company will furnish and maintain one pole and section of secondary wire not to exceed 125 feet for lighting service supplied under this rate.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied to all kilowatt-hours on this rate. Kilowatt-hours used to calculate Purchase Power Adjustment are listed as monthly estimated usage.

General Conditions

- (1) Lamps will be operated by photo electric control, with hours of operation aggregating approximately 4,200 per year, from dusk to dawn.
- (2) Service and necessary maintenance will be performed only during the regularly scheduled working hours of the company. Burned out lamps will be replaced upon notification of the outage for lamp outages.
- (3) "Company poles" shall include poles owned jointly by the company with other. Approval of poles, pole locations and structures for the installations shall be at the sole discretion of the company.
- (4) Any required equipment other than the above will be installed and maintained at the customer's expense.
- (5) The customer shall assume all risk of loss or damage to equipment and property, in connection with the lighting system.
- (6) The customer is responsible and liable for the design and aiming of all luminaries.

Terms of Contract

This service may be terminated by giving 90 days notice in writing. If service is terminated prematurely, a penalty charge for unrecovered plant will be charged to the customer.

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Norwood Municipal Light Department

M.D.P.U. NO. 255
Cancels
M.D.P.U. NO. 245

RATE E-05

Low Income Rate --- Residential

Availability

Single phase only; for residential use only. Available upon application to the Norwood Light Department in accordance with this filing.

Minimum Requirements

Applicants must be customers of record, head of household and receiving SSI. Certification of these three items is required annually and must be provided by the applicant before billing under this rate can be initiated.

Limitations

Total capacity of all motors shall not exceed 10 horsepower. All motors larger than 1/4 horsepower shall be operated at 240 volts.

Monthly Charges

\$ 4.16	For the first 10 kilowatt-hours or any part thereof.
23.29 cents per kwhr	For the next 40 kilowatt-hours.
13.18 cents per kwhr	For the next 50 kilowatt-hours.
11.20 cents per kwhr	For the excess over 100 kilowatt-hours.

A discount of 35 percent will be allowed on the non-fuel portion of all bills paid within 10 days of the date thereof. Discounts will not be allowed on any bills paid after the discount period.

Minimum Net Bill --- \$4.16 per month

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt hours on this rate.

Norwood Municipal Light Department

MDPU No. 256
Cancels
M.D.P.U. No. 246

Rate U-21

General Purpose Rate B-02- Schools

Availability

Single Phase, low tension, and where established facilities of the department permit, three-phase, low tension. Service available at 120 volts for lighting and at 208 volts or 277 volts for power.

Limitations

All motors and motor-starting equipment shall be subject to the approval of the department. The locked rotor current of any motor shall not exceed 450 percent of its rated load current. Any motor in excess of 10hp must be brought to the attention of the department.

Monthly Charges

\$ 15.89 For the first 25 kilowatt-hours or any part thereof.

13.77 cents per kWh For the next 175 kilowatt-hours.

4.24 cents per kWh For the next 1800 kilowatt-hours.

15.89 cents per kWh For the excess over 2000 kilowatt-hours.

A discount of 10 percent will be allowed on all bills paid within 10 days of the date thereof.

Minimum Net Bill -- \$ 15.89 per month.

Purchased Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt-hours on this rate.

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Norwood Municipal Light Department

Purchased Power Adjustment

The Purchased Power Adjustment (PPA), as amended from time to time, will be calculated by the Norwood Municipal Light Department.

The PPA will be charged to all customers.

Any significant increases or decreases in total Purchased Power Cost from the base Purchased Power Cost in the calendar year will be added to or subtracted from the base year PPA. This revised PPA will then be charged to all customers.

The PPA for residential customers includes the credit for New York Power Authority hydroelectric purchases. In addition, the PPA for all customers includes actual charges by our suppliers, and allocation of transmission cost, capacity cost, energy conservation expense, customer incentives, rate stabilization fund and an adjustment for over collection or under collection.

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Rate R-18

General Purpose Rate – With Renewable Energy Buyback Provision

Availability

This rate shall be available to all general service Customers (the Customer) that generate electrical power and energy using renewable energy generation technologies. For purposes of this rate, renewable energy technologies shall include wind, solar photovoltaic, solar thermal and hydroelectric. The Norwood Municipal Light Department (NMLD) reserves the right to determine if the generation technology utilized by the Customer meets the eligibility requirements of this rate.

All electricity produced shall be for the exclusive use of NMLD and shall not be resold or transferred to others. Service taken under this rate shall be electrically separated from the Customer's generating facilities or provided with sufficient protective devices to prohibit such facilities from causing disturbances on the NMLD's system consistent with the NMLD's Distributed Generation Interconnection Policy. The NMLD reserves the right to refuse service to facilities where the NMLD reasonably determines that the protection provided is inadequate.

All electricity supplied to the Customer by the NMLD shall be measured through one bi-directional meter, except that where the NMLD deems it impractical to deliver electricity through one service, or where the NMLD has installed more than one meter, then the measurement of electricity may be by two or more meters. The Customer shall furnish, at its expense, necessary facilities for metering equipment including a dedicated voice grade telephone circuit for remote reading whereby the NMLD can meter the output of the Customer's generating facilities.

Any Customer receiving service under this rate will be required to execute an interconnection Service Agreement setting forth the specific provisions of service to that customer, including but not limited to the service location, generating facilities, metering installation, protection systems, term of agreement, and any upgrades required to the NMLD distribution system to accommodate the Customer's interconnection. All such upgrades will be at the sole discretion of NMLD and at the sole cost of the Customer.

Limitations

All electricity consumed by the Customer shall be billed at the Applicable Service Rate for that customer classification.

All electricity generated by the Customer's generation equipment shall be purchased by NMLD at the rates set forth in this Schedule.

Billing Period

Billing shall be done on a monthly basis.

Monthly Charges

The monthly charge shall be the General Service Charge, minus the Energy Credit.

Estimated Bills

When an actual meter reading cannot be taken on the normal meter reading schedule for the Billing Period, an estimated bill will be rendered based on usage data provided by the Customer or by estimated by the NMLD.

Discount

A discount will be allowed based on the applicable service rate on all bills paid within 10 days of the date thereof.

Purchase Power Adjustment

As provided in the "Purchased Power Adjustment" applied after discount to all kilowatt-hours for the Customer's energy usage, exclusive of any energy generated by the Customer's generating equipment on this rate

Definitions

General Service Charge: the total charge for the Customer's demand and energy usage, exclusive of any energy generated by the Customer's generating equipment, under the Applicable Service Rate.

Applicable Service Rate: the rate under which the customer would be eligible to receive firm service from the NMLD where no renewable energy was being generated.

Generation Energy: the amount of energy, in kWh, produced by the Customer's generating equipment during the billing month.

Energy Buyback: is equal to the product of the energy received to the NMLD Utility Grid and the Energy Buyback Rate.

Energy Credit Rate: is equal to \$.075 per kWh consumed by the customer.

Energy Buyback Rate: is equal to annual Real Time Average SEMA LMP per kWh for energy received to the NMLD Utility Grid.

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