



The Commonwealth of Massachusetts

RETURN

OF THE

MUNICIPAL LIGHTING PLANT

OF THE

TOWN OF IPSWICH

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2016

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

Official Title: Manager of Electric Light

Jon Blair

Office Address: PO Box 151

Ipswich MA 01938

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

The Board of Commissioners
Ipswich Municipal Light Department
Ipswich, MA 01938

Management is responsible for the accompanying financial statements of Ipswich Municipal Light Department, which comprise the balance sheet as of December 31, 2016, and the related statement of income and retained earnings for the year then ended, included in the accompanying prescribed form. 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 the financial statements.

Other Matter

The financial statements included in the accompanying prescribed form are intended to comply 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
April 25, 2017

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Auburn MA, 01501

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GENERAL INFORMATION

1.	Name of town (or city) making report.	Ipswich
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, ; No, Second vote: Yes, ; No, Date when town (or city) began to sell gas and electricity,	Electric 1904
3.	Name and address of manager of municipal lighting: Jon W. Blair 272 High Street Ipswich, MA 01938	
4.	Name and address of mayor or selectmen: Charles D. Surpitski 25 Green Street Ipswich, MA 01938 William M. Craft 25 Green Street Ipswich, MA 01938 Judy A. Field 25 Green Street Ipswich, MA 01938 Edward B. Rauscher 25 Green Street Ipswich, MA 01938 Nishan D. Mootafian 25 Green Street Ipswich, MA 01938	
5.	Name and address of town (or city) treasurer: Kevin Merz 25 Green Street Ipswich, MA 01938	
6.	Name and address of town (or city) clerk: Pamela Carakatsane 25 Green Street Ipswich, MA 01938	
7.	Names and addresses of members of municipal light board: Same as Selectmen, Above	
8.	Total valuation of estates in town (or city) according to last State valuation (taxable)	\$ 2,726,755,947
9.	Tax rate for all purposes during the year:	\$14.19
10.	Amount of manager's salary: Manager of Electric Light	\$141,761
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	17,290,297
3	TOTAL	17,290,297
4		
5	EXPENSES	
6	For operation, maintenance and repairs	15,400,685
7	For interest on bonds, notes or scrip	211,675
8	For depreciation fund (3% 32,643,452 (ex land) as per page 8B)	979,304
9	For sinking fund requirements	0
10	For note payments	0
11	For bond payments	480,000
12	For loss in preceding year	0
13	TOTAL	17,071,664
14		
15	COST:	
16	Of gas to be used for municipal buildings	0
17	Of gas to be used for street lights	0
18	Of electricity to be used for municipal buildings	704,000
19	Of electricity to be used for street lights	77,814
20	Total of above items to be included in the tax levy	781,814
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	781,814

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
	None	Ipswich	7,577
TOTAL	0	TOTAL	7,577

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

*At meeting, 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	77,814
2. Municipal buildings	704,000
3.	
TOTAL	<u>781,814</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:

System-wide Advanced Metering Infrastructure implementation over the next 3 years

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		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Sept. 28, 1903	Oct. 01, 1903	25,000					
Dec. 14, 1903	Dec. 15, 1903	5,000					
March 07, 1904	Dec. 04, 1904	6,000					
March 27, 1905	May 01, 1905	4,000					
March 06, 1906	Dec. 06, 1906	2,000					
March 07, 1907	June 15, 1907	2,000					
March 04, 1908	June 30, 1908	2,000					
March 04, 1909	June 15, 1909	2,000					
March 04, 1910	June 30, 1910	2,000					
March 07, 1910	Oct. 01, 1910	10,000					
June 24, 1910	Dec. 10, 1910	6,000					
March 11, 1911	June 29, 1911	2,000					
March 07, 1912	June 30, 1913	2,000					
March 07, 1913	June 30, 1914	2,000					
March 03, 1914	June 13, 1914	2,000					
March 02, 1915	June 30, 1915	2,000					
March 07, 1916	June 30, 1916	2,000					
March 07, 1917	June 30, 1917	2,000					
March 11, 1918	June 01, 1918	2,000					
March 03, 1919	July 01, 1919	6,000					
Dec. 07, 1921	Dec. 15, 1921	4,000					
March 06, 1922	Dec. 04, 1922	5,000					
March 03, 1924	June 15, 1924	21,900	(A)				
March 07, 1927	Aug. 15, 1927	40,000					
March 30, 1930	July 15, 1930	35,000					
Oct. 03, 1931	Dec. 21, 1931	10,000					
April 30, 1934	June 15, 1934	25,000					
Dec. 29, 1936	March 15, 1937	30,000					

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	
March 06, 1951	Dec. 01, 1951	70,000					
March 02, 1954	Dec. 01, 1954	90,000					
March 05, 1956	Dec. 01, 1956	185,000					
March 03, 1958	Dec. 05, 1958	100,000	(B)				
March 03, 1958	June 01, 1959	120,000					
March 06, 1961	June 15, 1961	185,000					
March 03, 1969	Aug. 15, 1969	225,000					
March 05, 1973	July 15, 1969	100,000	(C)				
March 05, 1973	Dec. 01, 1973	175,000					
April 07, 1980	June 15, 1980	200,000					
October 19, 1998	Nov. 15, 1999	900,000					
April 02, 2001	Nov. 15, 2003	50,000					
October 30, 2007	June 01, 2008	6,000,000	300,000	Annually	3.25-4.10%	Semi Annually	3,600,000
October 30, 2007	April 1, 2010	600,000	40,000	Annually	2.00-5.00%	Semi Annually	360,000
May 13, 2008	June 14, 2011	2,642,000	140,000	Annually	2.00-5.00%	Semi Annually	1,930,000
(A) Refunded July 15, 1924		(21,900)					
(B) Refunded Dec. 05, 1958		(100,000)					
(C) Refunded Dec. 01, 1973		(100,000)					
	TOTAL	11,679,000	480,000			TOTAL	5,890,000

Town Notes

(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	
April 6, 1981	May 6, 1981	475,000					0
May 13, 2008	Oct. 6, 2010	800,000	800,000	Annually	1.25%	Upon Maturity	0
TOTAL		1,275,000				TOTAL	0

TOTAL COST OF 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) 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		0	0	0	0	0	0
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	0	0	0	0	0	0
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	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						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	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	841	-				841
12	341 Structures and Improvements	327,236	-				327,236
13	342 Fuel Holders, Producers and Accessories	114,371	-				114,371
14	343 Prime Movers	2,909,914	691,293	8,715			3,592,492
15	344 Generators	3,878,618	-				3,878,618
16	345 Accessory Electric Equipment	371,728	-				371,728
17	346 Miscellaneous Power Plant Equipment	513,630	23,573		0		537,203
18	Total Other Production Plant	8,116,338	714,866	8,715	0	0	8,822,489
19	Total Production Plant	8,116,338	714,866	8,715	0	0	8,822,489
20	3. Transmission Plant						
21	350 Land and Land Rights	17,707	-				17,707
22	351 Clearing Land and Rights of Way	4,428	-				4,428
23	352 Structures and Improvements	-	-				-
24	353 Station Equipment	-	-				-
25	354 Towers and Fixtures	-	-				-
26	355 Poles and Fixtures	1,037,236	-				1,037,236
27	356 Overhead Conductors and Devices	906,631	-				906,631
28	357 Underground Conduit	-	-				-
29	358 Underground Conductors and Devices	-	-				-
30	359 Roads and Trails	-	-				-
31	Total Transmission Plant	1,966,002	0	0	0	0	1,966,002

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	-	-	-			-
3	361 Structures and Improvements	1,471	-	-			1,471
4	362 Station Equipment	8,880,888	26,980	-			8,907,868
5	363 Storage Battery Equipment	-	-	-			-
6	364 Poles Towers and Fixtures	1,944,842	86,160	9,986			2,021,016
7	365 Overhead Conductors and Devices	1,630,902	42,930	17,538			1,656,294
8	366 Underground Conduit	126,219	23	-			126,242
9	367 Underground Conductors and Devices	1,220,414	23,215	-			1,243,629
10	368 Line Transformers	2,085,095	43,387	13,513			2,114,969
11	369 Services	389,648	18,462	646			407,464
12	370 Meters	574,981	12,007	109,650			477,338
13	371 Installations on Customer's Premises	1,160,477	116,164	-			1,276,641
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	778,629	79,292	6,400			851,521
16	Total Distribution Plant	18,793,566	448,620	157,733	0	0	19,084,453
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-	-			-
19	390 Structures and Improvements	585,316	64	-			585,380
20	391 Office Furniture and Equipment	468,356	-	-			468,356
21	392 Transportation Equipment	1,138,264	222,864	27,619			1,333,509
22	393 Stores Equipment	6,996	-	-			6,996
23	394 Tools, Shop and Garage Equipment	158,940	10,636	-			169,576
24	395 Laboratory Equipment	70,471	-	-			70,471
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	56,595	-	-			56,595
27	398 Miscellaneous Equipment	102,601	-	-			102,601
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	2,587,539	233,564	27,619	0	0	2,793,484
30	Total Electric Plant in Service	31,463,445	1,397,050	194,067	0	0	32,666,428
31	Total Cost of Electric Plant.....						32,666,428
33	Less Cost of Land, Land Rights, Rights of Way.....						22,976
34	Total Cost upon which Depreciation is based						32,643,452

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.

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)	14,688,914	14,741,955	53,041
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	14,688,914	14,741,955	53,041
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	270,593	165,696	(104,897)
14	128	Other Special Funds	987,849	1,210,169	222,320
15		Total Funds	1,258,442	1,375,865	117,423
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	834,965	598,556	(236,409)
18	132	Special Deposits	97,834	143,009	45,175
19	135	Working Funds	200	300	100
20	141	Notes Receivable			0
21	142	Customer Accounts Receivable	521,228	618,777	97,549
22	143	Other Accounts Receivable	30,000	30,000	0
23	146	Receivables from Municipality			0
24	151	Materials and Supplies (P. 14)	130,257	118,112	(12,145)
25					
26	165	Prepayments	1,932,661	1,840,853	(91,808)
27	174	Miscellaneous Current Assets	0		0
28		Total Current and Accrued Assets	3,547,145	3,349,607	(197,538)
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount	116,294	107,009	(9,285)
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,254,237	1,596,611	342,374
33		Total Deferred Debits	1,370,531	1,703,620	333,089
34					
35		Total Assets and Other Debits	20,865,032	21,171,047	306,015

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	0	0	0
6	207	Appropriations for Construction Repayments	0	0	0
7	208	Unappropriated Earned Surplus (P. 12)	6,022,074	6,163,327	141,253
8		Total Surplus	6,022,074	6,163,327	141,253
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	6,370,000	5,890,000	(480,000)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	6,370,000	5,890,000	(480,000)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,875,493	2,070,840	195,347
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	149,214	160,844	11,630
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	24,015	22,440	(1,575)
19	242	Miscellaneous Current and Accrued Liabilities	182,993	172,100	(10,893)
20		Total Current and Accrued Liabilities	2,231,715	2,426,224	194,509
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	191,390	176,606	(14,784)
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	2,565,220	2,823,428	258,208
25		Total Deferred Credits	2,756,610	3,000,034	243,424
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	42,880	33,073	(9,807)
28	261	Property Insurance Reserve			0
29	262	Injuries and Damages Reserves			0
30	263	Pensions and Benefits Reserves	3,441,753	3,658,389	216,636
31	265	Miscellaneous Operating Reserves			0
32		Total Reserves	3,484,633	3,691,462	206,829
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction			0
35		Total Liabilities and Other Credits	20,865,032	21,171,047	306,015

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)	15,328,083	(208,418)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	12,757,030	(134,393)
5	402 Maintenance Expense	752,253	37,778
6	403 Depreciation Expense	943,214	28,975
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	14,452,497	(67,640)
11	Operating Income	875,586	(140,778)
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	875,586	(140,778)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	
17	419 Interest Income	8,587	(370)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	8,587	(370)
20	Total Income	884,173	(141,148)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income Before Interest Charges	884,173	(141,148)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	246,350	(16,450)
28	428 Amortization of Debt Discount and Expense	9,285	0
29	429 Amortization of Premium on Debt - Credit	(14,784)	0
30	431 Other Interest Expense	414	315
31	432 Interest: Charged to Construction - Credit	0	0
32	Total Interest Charges	241,265	(16,135)
33	NET INCOME	642,908	(125,013)
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		6,022,074
35			
36			
37	433 Balance Transferred from Income		642,908
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	180,787	
40	436 Appropriations of Surplus (P. 21)	320,868	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	6,163,327	
43			
44	TOTALS	6,664,982	6,664,982

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	598,556	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
	TOTAL	598,556	
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)	64,418	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	53,694	
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	118,112	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	270,593	
26	Income during year from balance on deposit (interest)	1,678	
27	Amount transferred from income (depreciation)	943,214	
28	Amount transferred in from surplus & other transfers in	300,000	
29			
	TOTAL	1,515,485	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	878,789	
32	Amounts expended for renewals,viz:-		
33	Bond Princpal Payment	340,000	
34	Amount repaid to Rate Stabilization	131,000	
35			
36			
37			
38			
39	Balance on hand at end of year	165,696	
40			
	TOTAL	1,515,485	

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	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	841	-	-			841
12	341 Structures and Improvements	13,934	-	1,128			12,806
13	342 Fuel Holders, Producers and Accessories	9,928	-	804			9,124
14	343 Prime Movers	29,318	691,293	58,361			662,250
15	344 Generators	1,966,308	-	159,249		0	1,807,059
16	345 Accessory Electric Equipment	41,123	-	3,330		0	37,793
17	346 Miscellaneous Power Plant Equipment	230,696	23,573	20,593			233,676
18	Total Other Production Plant	2,292,148	714,866	243,465	0	0	2,763,549
19	Total Production Plant	2,292,148	714,866	157,732	0	0	2,763,549
20	3. Transmission Plant						
21	350 Land and Land Rights	17,707	-	-			17,707
22	351 Clearing Land and Rights of Way	4,428	-	-			4,428
23	352 Structures and Improvements	-	-	-			-
24	353 Station Equipment	-	-	-			-
25	354 Towers and Fixtures	-	-	-			-
26	355 Poles and Fixtures	681,272	-	31,428			649,844
27	356 Overhead Conductors and Devices	582,840	-	26,888			555,952
28	357 Underground Conduit	-	-	-			-
29	358 Underground Conductors and Devices	-	-	-			-
30	359 Roads and Trails	-	-	-			-
31	Total Transmission Plant	1,286,247	0	58,316	0	0	1,227,931

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	-	-				-
3	361 Structures and Improvements	10,814	-	593			10,221
4	362 Station Equipment	4,553,762	26,980	251,317			4,329,425
5	363 Storage Battery Equipment	-	-	-			-
6	364 Poles Towers and Fixtures	862,834	86,160	52,065			896,929
7	365 Overhead Conductors and Devices	850,034	42,930	48,991			843,973
8	366 Underground Conduit	12,283	23	675			11,631
9	367 Underground Conductors and Devices	826,492	23,215	46,618			803,089
10	368 Line Transformers	620,354	43,387	36,415			627,326
11	369 Services	147,121	18,462	9,084			156,499
12	370 Meters	700,362	12,007	39,083			673,286
13	371 Installations on Customer's Premises	864,011	116,164	53,776			926,399
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	379,846	79,292	25,190			433,948
16	Total Distribution Plant	9,827,913	448,620	563,807	0	0	9,712,726
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-				-
19	390 Structures and Improvements	126,160	64	8,785			117,439
20	391 Office Furniture and Equipment	78,268	-	5,447			72,821
21	392 Transportation Equipment	548,472	222,864	53,682			717,654
22	393 Stores Equipment	3,693	-	257			3,436
23	394 Tools, Shop and Garage Equipment	63,909	10,636	5,188			69,357
24	395 Laboratory Equipment	14,603	-	1,016			13,587
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	12,123	-	844			11,279
27	398 Miscellaneous Equipment	34,583	-	2,407			32,176
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	881,811	233,564	77,626	0	0	1,037,749
30	Total Electric Plant in Service	14,288,119	1,397,050	943,214	0	0	14,741,955
31	104 Utility Plant Leased to Others						0
32	105 Property Held for Future Use						0
33	107 Construction Work in Progress						0
34	Total Utility Plant Electric	14,288,119	1,397,050	943,214	0	0	14,741,955

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	\$ 62,007	19,452	\$ 62,007		
2	Received During Year	5,466	3,500	5,466	-	-
3	TOTAL	\$ 67,473	22,952	\$ 67,473	-	\$ -
4	Used During Year (Note A)					
5	Prime Mover Fuel	13,634	3,705	13,634		
6						
7						
8						
9						
10						
11	Sold or Transferred	-				
12	TOTAL DISPOSED OF	13,634	3,705	13,634	-	-
13	BALANCE END OF YEAR	\$ 53,839	19,247	53,839	-	\$ -

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	911	\$ 13,302		
15	Received During Year	0	0		
16	TOTAL	911	\$ 13,302		
17	Used During Year (Note A)				
18	Prime Mover lubricants	186	2,723		
19					
20					
21					
22					
23					
24	Sold or Transferred				
25	TOTAL DISPOSED OF	186	2,723		
26	BALANCE END OF YEAR	725	10,579		

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		0
16		
17		
18		
19		
20		
21		
22		
23		
	TOTAL	0
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Prior Period Adjustment	180,787
25		
26		
27		
28		
29		
30		
31		
32		
	TOTAL	180,787
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Payment In Lieu of Taxes	320,868
34		
35		
36		
37		
38		
39		
40		
	TOTAL	320,868

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	4442	Municipal Building M1: (Other Than Street Lighting)	3,348,614	419,815	0.1254	
6	4443	Municipal Building M2: (Other Than Street Lighting)	1,809,587	215,486	0.1191	
7						
8						
9						
10						
11						
12		TOTALS	5,158,201	635,301	0.1232	
13	4441	Street Lighting	843,702	65,640	0.0778	
14						
15						
16						
17						
18		TOTALS	843,702	65,640	0.0778	
19		TOTALS	6,001,903	700,941	0.1168	
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	See Pages 54 and 55					
21						
22						
23						
24						
25						
26						
27						
28						
29	TOTALS			0	0	
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	None					
31						
32						
33						
34						
35						
36						
37						
38						
39						

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	SALES OF ELECTRICITY						
2	440 Residential Sales	6,703,662	(245,335)	47,920,733	(1,225,004)	6,068	25
3	442 Commercial and Industrial Sales:						
4	Small Commercial B Sales	695,800	(41,806)	4,848,881	(86,868)	685	28
5	Large Commercial C Sales	7,129,335	(4,786)	52,569,102	697,646	214	8
6	444 Municipal Sales	700,941	(31,374)	6,001,903	(34,802)	47	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	34,101	(647)	178,822	(3,348)	109	(1)
11	Total Sales to Ultimate Consumers	15,263,839	(323,948)	111,519,441	(649,028)	7,123	60
12	447 Sales for Resale	0	0	0	0	0	0
13	Total Sales of Electricity*	15,263,839	(323,948)	111,519,441	(652,376)	7,123	60
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	(411,389)	(4,460)				
16	451 Miscellaneous Service Revenues	429,774	101,742				
17	453 Sales of Water and Water Power	0	0				
18	454 Rent from Electric Property	0	0				
19	455 Interdepartmental Rents	0	0				
20	456 Other Electric Revenues	45,859	18,248				
21							
22							
23							
24							
25	Total Other Operating Revenues	64,244	115,530				
26	Total Electric Operating Revenue	15,328,083	(208,418)				

* Includes revenues from application of fuel clauses \$ 15,164,098
 Total KWH to which applied 110,496,917

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	4400	Residential A	47,920,733	6,703,662	0.1399	6,062	6,073
2	4421	Commercial	4,848,881	695,800	0.1435	684	685
3	4422	Industrial	52,569,102	7,129,335	0.1356	213	214
4	4442	Municipal Building M1	3,348,614	419,815	0.1254	29	29
5	4443	Municipal Building M2	1,809,587	215,486	0.1191	17	17
6	4441	Municipal Street Lighting	843,702	65,640	0.0778	1	1
7	4424	Outdoor Area Lighting	178,822	34,101	0.1907	109	109
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			111,519,441	15,263,839	0.1369	7,115	7,128

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
5	501 Fuel		0
6	502 Steam Expenses		0
7	503 Steam from other sources		0
8	504 Steam transferred -- Cr.		0
9	505 Electric expenses		0
10	506 Miscellaneous steam power expenses		0
11	507 Rents		0
12	Total Operation	0	0
13	Maintenance:		
14	510 Maintenance supervision and engineering		0
15	511 Maintenance of Structures		0
16	512 Maintenance of boiler plant		0
17	513 Maintenance of electric plant		0
18	514 Maintenance of miscellaneous steam plant		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
24	518 Fuel		0
25	519 Coolants and water		0
26	520 Steam Expenses		0
27	521 Steam from other sources		0
28	522 Steam transferred -- Cr.		0
29	523 Electric expenses		0
30	524 Miscellaneous nuclear power expenses		0
31	525 Rents		0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering		0
35	529 Maintenance of Structures		0
36	530 Maintenance of reactor plant		0
37	531 Maintenance of electric plant		0
38	532 Maintenance of miscellaneous nuclear plant		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
44	536 Water for power		0
45	537 Hydraulic expenses		0
46	538 Electric expenses		0
47	539 Miscellaneous hydraulic power generation expenses		0
48	540 Rents		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 or 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	643	165
13	547 Fuel	16,792	282
14	548 Generation Expenses	317,230	(19,988)
15	549 Miscellaneous other power generation expense	14,429	8,581
16	550 Rents	0	0
17	Total Operation	349,094	(10,960)
18	Maintenance:		
19	551 Maintenance supervision and engineering	11,722	(5,665)
20	552 Maintenance of Structures	0	(416)
21	553 Maintenance of generating and electric plant	12,389	(8,567)
22	554 Maintenance of miscellaneous other power generation plant	29,341	1,582
23	Total Maintenance	53,452	(13,066)
24	Total power production expenses - other power	402,546	(24,026)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	7,789,570	(389,256)
27	556 System control and load dispatching	0	0
28	557 Other expenses	120,831	8,296
29	Total other power supply expenses	7,910,401	(380,960)
30	Total power production expenses	8,312,947	(404,986)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	3,174,043	152,284
39	566 Miscellaneous transmission expenses	0	0
40	567 Rents	0	0
41	Total Operation	3,174,043	152,284
42	Maintenance:		
43	568 Maintenance supervision and engineering	0	0
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	0	0
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	0	0
48	573 Maintenance of miscellaneous transmission plant	0	0
49	Total maintenance	0	0
50	Total transmission expenses	3,174,043	152,284

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	27,813	1,261
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses Transportation	3,672	(17,424)
6	583 Overhead line expenses	52,886	(8,631)
7	584 Underground line expenses	20	(204)
8	585 Street lighting and signal system expenses	305	(795)
9	586 Meter expenses	19,526	17
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	32,103	(6,117)
12	589 Rents	0	0
13	Total operation	136,325	(31,893)
14	Maintenance:		
15	590 Maintenance supervision and engineering	69,532	3,151
16	591 Maintenance of structures	5,136	2,551
17	592 Maintenance of station equipment	189	(24,335)
18	593 Maintenance of overhead lines	661,068	68,756
19	594 Maintenance of underground lines	3,638	1,911
20	595 Maintenance of line transformers	2,054	(7,032)
21	596 Maintenance of street lighting and signal systems	1,435	(6,938)
22	597 Maintenance of meters	6,119	95
23	598 Maintenance of miscellaneous distribution plant	3,082	(381)
24	Total maintenance	752,253	37,778
25	Total distribution expenses	888,578	5,885
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	21,304	(43)
29	902 Meter reading expenses	12,238	1,990
30	903 Customer records and collection expenses	154,873	13,774
31	904 Uncollectible accounts	4,177	(37,973)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	192,592	(22,252)
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	0	0
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	0	0
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	424,578	9,982
44	921 Office supplies and expenses	98,921	10,342
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	74,072	42,985
47	924 Property insurance	55,777	(9,587)
48	925 Injuries and damages	26,257	4,676
49	926 Employee pensions and benefits	206,562	118,113
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	54,956	(4,057)
53	931 Rents	0	0
54	Total operation	941,123	172,454

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		0	
4	Total administrative and general expenses	941,123	172,454	
5	Total Electric Operation and Maintenance Expenses	13,509,283	(96,615)	
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	402,546	0	402,546
12	Other Power Supply Expenses	7,910,401	0	7,910,401
13	Total power production expenses	8,312,947		8,312,947
14	Transmission Expenses	3,174,043		3,174,043
15	Distribution Expenses	136,325	752,253	888,578
16	Customer Accounts Expenses	192,592		192,592
17	Sales Expenses	0		0
18	Administrative and General Expenses	941,123	0	941,123
19	Total Electric Operation and			
20	Maintenance Expenses	12,757,030	752,253	13,509,283
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)			1.06%
22	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.			1,535,190
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)			16

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	NONE								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28	TOTALS	-	-						

OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2	NONE				
3					
4					
5					
6					
7					
8					
9					
10					
11					
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13					
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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,				
3	allowances and returns				
4	Contract work	0			0
5	Commissions				
6	Other (list according to major classes)				
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					
17	Materials				
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	0	0	0	0
50	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 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)		
None								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
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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)**

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).

**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 minute 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.

Line No.	Purchased From MMWEC: (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand			Type of Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)			Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n) **	Total (o)		
1	New York Power Authority	FP	X	TOWN LINE		879			60 MINUTES		5,988,589	42,952	29,464	69,180	141,596	\$0.0236	1
2	Stonybrook Intermediate	O		TOWN LINE		1,006			60 MINUTES		312,512	74,027	16,047	578	90,652	\$0.2901	2
3	Nuclear Mix 1 (Seabrook)		X	TOWN LINE		36			60 MINUTES		353,438	10,332	2,237	22	12,591	\$0.0356	3
4	Nuclear Mix 1 (Millstone)	O	X	TOWN LINE		368			60 MINUTES		2,949,771	101,517	19,813	2,514	123,844	\$0.0420	4
5	Nuclear Project 3 (Millstone)	O	X	TOWN LINE		327			60 MINUTES		2,593,017	184,450	17,432	2,210	204,092	\$0.0787	5
6	Nuclear Project 4 (Seabrook)	O	X	TOWN LINE		1,057			60 MINUTES		9,893,739	525,488	62,695	622	588,805	\$0.0595	6
7	Nuclear Project 5 (Seabrook)	O	X	TOWN LINE		130			60 MINUTES		1,219,683	70,910	7,718	77	78,705	\$0.0645	7
8	Transmission																8
9	NEPCO	O		TOWN LINE										837,131	837,131	N/A	9
10	Remvec	O		TOWN LINE								2,340		-	2,340	N/A	10
11	ISO OATT			TOWN LINE										2,082,198	2,082,198	N/A	11
12	System Power	DP									60,864,000		2,961,466	-	2,961,466	\$0.0487	12
13	Berkshire Wind Power Cooperative	O							60 MINUTES		3,047,088			493,286	493,286	\$0.1619	13
14	Eagle Creek	O		TOWN LINE		321			60 MINUTES		743,018		38,377	122	38,499	\$0.0518	14
15	Wind II	O		TOWN LINE					60 MINUTES		3,841,408			-	-	\$0.0000	15
16	Hancock Wind	O	X			951					104,465		5,399	-	5,399	\$0.0517	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31	** Includes transmission and administrative charges.																
32										TOTALS:	91,910,728	1,012,016	3,160,648	3,487,940	7,660,604		32

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				125,423,040	100,209,670	25,213,370	2,746,017
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	TOTALS				125,423,040	100,209,670	25,213,370	2,746,017

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	2,564,475
14		NEPOOL EXPENSE	181,542
15			
16			
17			
18			
19			
20			
21	TOTAL		2,746,017

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			0
4	Nuclear			0
5	Hydro			0
6	Other			0
7	Total Generation			4,178,758
8	Purchases			91,910,728
9		(In (gross)	125,423,040	
10	Interchanges	< Out (gross)	100,209,670	
11		(Net (Kwh)		25,213,370
12		(Received	0	
13	Transmission for/by others (wheeling)	< Delivered	0	
14		(Net (Kwh)		0
15	TOTAL			121,302,856
16	DISPOSITION OF ENERGY			
17	Sales to ultimate consumers (including interdepartmental sales)			111,519,441
18	Sales for resale			0
19	Energy furnished without charge			
20	Energy used by the company (excluding station use):			
21	Electric department only			1,412,462
22	Energy losses			
23	Transmission and conversion losses		3,946,390	
24	Distribution losses		4,424,563	
25	Unaccounted for losses			
26	Total energy losses			8,370,953
27	Energy losses as percent of total on line 15	6.90%		
28		TOTAL		121,302,856

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 Ipswich

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	19,576	Tuesday	19	19:00	60 min	10,594,089
30	February	18,880	Monday	8	18:00	60 min	9,750,600
31	March	17,371	Friday	4	19:00	60 min	9,602,240
32	April	17,296	Monday	4	20:00	60 min	8,752,773
33	May	18,310	Tuesday	31	18:00	60 min	9,096,750
34	June	21,059	Wednesday	29	16:00	60 min	9,824,821
35	July	25,915	Friday	22	18:00	60 min	12,204,666
36	August	29,100	Friday	12	15:00	60 min	12,497,345
37	September	23,041	Friday	9	16:00	60 min	9,754,957
38	October	15,930	Thursday	27	19:00	60 min	9,137,631
39	November	17,568	Monday	21	18:00	60 min	9,288,952
40	December	20,305	Friday	16	18:00	60 min	10,798,032
41						TOTAL	121,302,856

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.)	Internal Comb.	Wind Turbine		
2	Type of plant construction (conventional outdoor boiler, full outdoor, etc)	Conventional			
3	Year originally constructed	1904	May, 2011		
4	Year last unit installed	1984	May, 2011		
5	Total installed capacity (maximum generator name plate ratings in kw)	12,560	1,600		
6	Net peak demand on plant-kilowatts (60 min)	10.595	1,600		
7	Plant hours connected to load	486	5,463		
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	2			
12	Net generation, exclusive of station use	208,570	3,970,188		
13	Cost of plant (omit cents):				
14	Land and land rights	841			
15	Structures and improvements	327,236			
16	Reservoirs, dams and waterways				
17	Equipment costs	7,081,977			
18	Roads, railroads and bridges				
19	Total cost	7,410,054			
20	Cost per kw of installed capacity	589.972			
21	Production expenses:				
22	Operation supervision and engineering	3,616			
23	Station labor	288,051			
24	Fuel	63,031			
25	Supplies & Expenses, including water	0			
26	Maintenance	23,517			
27	Rents				
28	Steam from other sources	0			
29	Steam transferred - credit	0			
30	Total production expenses	378,215			
31	Expenses per net Kwh (5 places)				
32	Fuel: Kind	#2 Fuel oil	Natural Gas		
33	Unit(coal-tons of 2,000 lb)(oil-barrels of 42 gals.)Gas-Mcu.ft.)(nuclear,indicate)	Barrels	M. cu. ft.		
34	Quantity (units) fuel consumed	317	4,131		
35	Average heat content of fuel (B.t.u. per lb of coal, per gal. of oil, or per cu.ft. of gas)	140,000	1,010,000		
36	Average cost of fuel per unit, del fob plant	135.030	0.305		
37	Average cost of fuel per unit consumed	126.378	0.305		
38	Average cost of fuel consumed per million B.t.u.		0.305		
39	Average cost of fuel consumed per kwh net gen	0.338	0.047		
40	Average B.t.u. per kwh net generation	375	10,824		

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					
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16					
17					
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19					
20					

HYDROELECTRIC GENERATING STATIONS					Pages 62-63
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Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
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GENERATING STATIONS

COMBUSTION ENGINE AND OTHER GENERATING STATIONS
(Except Nuclear)

Pages 64-65

PRIME MOVERS

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	Engine #1 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1984	2	Direct
2	Engine #2 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1954	2	Direct
3	Engine #3 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1941	2	Direct
4	Engine #4 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1937	2	Direct
5	Engine #6 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1951	2	Direct
6	Engine #7 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1956	2	Direct
7	Engine #8 High Street	Ipswich, MA	Diesel	Cooper-Bessemer	1960	4	Direct
8	Engine #9 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1961	2	Direct
9	Engine #10 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1984	2	Direct
10	Engine #11 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1982	2	Direct
11	Engine #12 High Street	Ipswich, MA	Diesel	Fairbanks-Morse	1983	2	Direct
12							
13							
14	Ipswich Wind #1 - Town Farm Road	Ipswich, MA	Wind	General Electric	May 18, 2011		Direct
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	Total Rated hp. of Station Prime movers	Year Installed	Voltage	Phase	Frequency or dc.	Name Plate Rating of Unit in Kilowatts	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate rating)	Line No.
(h)	(l)	(j)	(k)	(l)	(m)	(n)		(p)	
1750		1984	4160	3	60	1,250			1
1920		1954	4160	3	60	1,360			2
1050		1941	2400	3	60	600			3
875		1937	2400	3	60	600			4
1600		1951	4160	3	60	1,140			5
1920		1956	4160	3	60	1,360			6
1600		1960	4160	3	60	1,140			7
1920		1961	4160	3	60	1,360			8
1750		1984	4160	3	60	1,250			9
1750		1982	4160	3	60	1,250			10
1750		1983	4160	3	60	1,250			11
	17,885						11	12,560	12
N/A		May 18, 2011	690	3	60	1,600	1		13
								1,600	14
									15
									16
									17
									18
									19
									20
									21
									22
					TOTALS	14,160	12	14,160	23

GENERATING STATION STATISTICS (Small Stations)					Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
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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	High Street	Vermette Court	23,000	Wood Pole		2.9	1	336 MCM Aluminum
2	Power Plant	Unit Sub-						
3	& Substation	Station						
4								
5	Vermette Ct	Fowler's Lane	23,000	Wood Pole		0.8	1	477 MCM Aluminum
6	Unit Sub-	Sub-Station						
7	Station							
8			23,000	Wood Pole		1.3	1	795 MCM Aluminum
9	High Street	Rowley-Ipswich						
10	Power Plant	Town Line						
11	Line #2373	Con New England	23,000	Wood Pole		1.3	1	795 MCM Aluminum
12		Power Co Line						
13								
14	High Street	Rowley-Ipswich	23,000	Wood Pole		1.3	1	795 MCM Aluminum
15	Power Plant	Town Line						
16	Line #2394	Con New England						
17		Power Co Line	23,000	Wood Pole		2.1	1	477 MCM Aluminum
18								
19	High Street	Fowler's Lane						
20	Sub-Station	Sub-Station	13,800	Wood Pole		2.2	1	336 MCM Aluminum
21								
22								
23	Ipswich Wind	Fowler's Lane	13,800	Wood Pole		2.2	1	336 MCM Aluminum
24	Town Farm Rd	Sub-Station						
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52	TOTALS				0	10.6	6	

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	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
2	Vermette Court										
3	Transformer #1										
4	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
5	Vermette Court										
6	Transformer #2										
7	Substation #4	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	9,375	1	0			
8	High Street										
9	Transformer #1										
11	Substation #4	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	10,500	1	0			
12	High Street										
13	Transformer #2										
15	Substation #5	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	10,500	1	0			
16	Fowler's Lane										
17											
19	Substation #5	Step down for purchased power from New England Power Company	23,000	7,970/13,800	-	11,000	1	0			
20	Fowler's Lane										
21											
26			TOTALS			81,375	6	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles -- Beginning of Year	108.000	0.000	108.000
2	Added During Year	1.000		1.000
3	Retired During Year	1.000		1.000
4	Miles -- End of Year	108.000	0.000	108.000
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:	6,700	7,107	1,006	51,317
17	Additions during year	17	21		
18	Purchased	0		11	540
19	Installed	17	731	11	570
20	Associated with utility plant acquired				
21	Total Additions	17	752	22	1,110
22	Reductions during year:				
23	Retirements	1	731	11	590
24	Associated with utility plant sold				
25	Total Reductions	1	731	11	590
26	Number at end of year	6,716	7,128	1,017	51,837
27	In stock		449	51	5,835
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		7,117		
31	In company's use		11	1,017	51,837
32	Number at end of year		7,577	1,068	57,672

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	#2 Conductor	1.50	3.00	4,160		
2	#4 Duct Lane	1.00				
3	#2 Conductor	20.00	19.26	13,800		
4						
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6						
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10			* Per circuit mile, measurement based on single-phase			
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49	TOTALS	23	22	17960	0	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		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Ipswich	1,895	341	0	12	87	12	0	1,378	65
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52	TOTALS	1,895	341	-	12	87	12	-	1,378	65

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
		No rate changes for the year ended December 31, 2016		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Robin Crosbie

Robin Crosbie

Town Manager

[Signature]

Jon W. Blair

Manager of Electric Light

Edward B. Rauscher

Edward B. Rauscher Chair

[Signature]

William M. Craft

Selectmen
or
Members
of the
Municipal
Light
Board

Judy A. Field

[Signature]

Nishan D. Mootafian

Charles D. Surpitski

Charles D. Surpitski

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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