



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,

2011

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

Official Title: Manager of Electric Light

Timothy J. Henry
Office Address: PO Box 151
Ipswich MA 01938

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GENERAL INFORMATION

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- | | | |
|---|------------------------------|---------------|
| 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: | | |
| Timothy J. Henry 272 High Street | Ipswich, MA 01938 | |
| 4. Name and address of mayor or selectmen: | | |
| Patrick J. McNally | 74 Little Neck Road, Ipswich | |
| William M. Craft | 62 East Street, Ipswich | |
| Shirley A. Berry | 7 Liberty Street, Ipswich | |
| Charles D. Surpitski | 17 Upper River Road, Ipswich | |
| Raymond K. Morley | 2 East Street, Ipswich | |
| 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) | \$ | 2,363,515,059 |
| 9. Tax rate for all purposes during the year: | | \$12.77 |
| 10. Amount of manager's salary: | Utilities Director | \$123,985 |
| 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	13,931,600
3		
4		
	TOTAL	13,931,600
5	EXPENSES	
6	For operation, maintenance and repairs	13,802,300
7	For interest on bonds, notes or scrip	303,100
8	For depreciation fund (3% 30,034,295 (ex land) as per page 9)	901,029
9	For sinking fund requirements	0
10	For note payments	0
11	For bond payments	487,000
12	For loss in preceding year	0
13		
	TOTAL	15,493,429
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	615,000
19	Of electricity to be used for street lights	65,600
20	Total of above items to be included in the tax levy	680,600
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	680,600

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	6,982
TOTAL	0	TOTAL	6,982

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	65,600
2. Municipal buildings	615,000
3.	
TOTAL	<u>680,600</u>

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

CHANGES IN THE PROPERTY

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

In electric property:

1.65 Mw Wind Turbine erected Spring of 2011 & operational June of 2011
System-wide Advanced Metering Infrastructure implementation over the next 4 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		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	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		Rate	Interest When Payable	Amount Outstanding at End of Year
			Amounts	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	5,100,000
October 30, 2007	April 1, 2010	600,000		40,000 Annually	2.00-5.00%	Semi Annually	560,000
May 13, 2008	June 14, 2011	2,642,000		147,000 Annually	2.00-5.00%	Semi Annually	2,642,000
(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		487,000		TOTAL	8,302,000

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

Town Notes
(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				
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	0
TOTAL							TOTAL	0

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

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

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

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

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		0	0	0	0	0	0
4							
5	2. PRODUCTION PLANT						NONE
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
14		0	0	0	0	0	0
15	Total Steam Production Plant						NONE
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						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	0	0	0	0	0	0
9	Total Hydraulic Production Plant						
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	2,250,463	-				2,250,463
15	344 Generators	1,592,085	2,279,292				3,871,377
16	345 Accessory Electric Equipment	414,122	-				414,122
17	346 Miscellaneous Power Plant Equipment	356,618	32,520				389,138
18	Total Other Production Plant	5,055,736	2,311,812	0	0	0	7,367,548
19	Total Production Plant	5,055,736	2,311,812	0	0	0	7,367,548
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	697,888	339,348				1,037,236
27	356 Overhead Conductors and Devices	739,490	167,141				906,631
28	357 Underground Conduit	-	-				-
29	358 Underground Conductors and Devices	-	-				-
30	359 Roads and Trails	-	-				-
31	Total Transmission Plant	1,459,513	506,489	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	8,782,216	11,784	-			8,794,000
5	363 Storage Battery Equipment	-	-	-			-
6	364 Poles Towers and Fixtures	1,684,140	52,102	26,071			1,710,171
7	365 Overhead Conductors and Devices	1,357,588	26,900	27,587			1,356,901
8	366 Underground Conduit	109,928	6,638	-			116,566
9	367 Underground Conductors and Devices	257,898	480,423	-			738,321
10	368 Line Transformers	1,933,610	45,916	8,846			1,970,680
11	369 Services	359,712	9,777	6,043			363,446
12	370 Meters	2,173,643	19,341	174,548			2,018,436
13	371 Installations on Customer's Premises	153,830	209,858	-			363,688
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	604,958	35,690	18,821			621,827
16	Total Distribution Plant	17,418,994	898,429	261,916	0	0	18,055,507
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-	-			-
19	390 Structures and Improvements	569,518	10,589	-			580,107
20	391 Office Furniture and Equipment	468,356	-	-			468,356
21	392 Transportation Equipment	1,079,135	175,785	-			1,254,920
22	393 Stores Equipment	6,996	-	-			6,996
23	394 Tools, Shop and Garage Equipment	135,668	-	-			135,668
24	395 Laboratory Equipment	70,470	-	-			70,470
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	56,595	-	-			56,595
27	398 Miscellaneous Equipment	95,102	-	-			95,102
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	2,481,840	186,374	0	0	0	2,668,214
30	Total Electric Plant in Service	26,416,083	3,903,104	261,916	0	0	30,057,271
31							Total Cost of Electric Plant.....
32							Less Cost of Land, Land Rights, Rights of Way.....
33							Total Cost upon which Depreciation is based.....
34							30,034,295

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)	11,480,072	14,591,381	3,111,309
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	11,480,072	14,591,381	3,111,309
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			0
12	125	Sinking Funds			(298,684)
13	126	Depreciation Fund (P. 14)	808,898	510,214	158,982
14	128	Other Special Funds	1,172,392	1,331,374	
15		Total Funds	1,981,290	1,841,588	(139,702)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	629,084	814,266	185,182
18	132	Special Deposits	55,487	67,022	11,535
19	135	Working Funds	200	200	0
20	141	Notes Receivable			0
21	142	Customer Accounts Receivable	574,586	396,490	(178,096)
22	143	Other Accounts Receivable	0	0	0
23	146	Receivables from Municipality			0
24	151	Materials and Supplies (P. 14)	151,045	143,521	(7,524)
25					
26	165	Prepayments	2,997,222	1,889,205	(1,108,017)
27	174	Miscellaneous Current Assets	0	0	0
28		Total Current and Accrued Assets	4,407,624	3,310,704	(1,096,920)
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount	116,174	153,433	
31	182	Extraordinary Property Losses			(776,212)
32	185	Other Deferred Debits	1,987,294	1,211,082	(776,212)
33		Total Deferred Debits	2,103,468	1,364,515	(738,953)
34					
35		Total Assets and Other Debits	19,972,454	21,108,188	1,135,734

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)	8,703,365	8,558,558	(144,807)
8		Total Surplus	8,703,365	8,558,558	(144,807)
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	6,800,000	8,302,000	1,502,000
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	6,800,000	8,302,000	1,502,000
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,807,851	1,717,608	(90,243)
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	82,232	89,664	7,432
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	25,176	29,497	4,321
19	242	Miscellaneous Current and Accrued Liabilities	88,325	99,698	11,373
20		Total Current and Accrued Liabilities	2,003,584	1,936,467	(67,117)
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	132,949	250,528	117,579
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	2,286,427	2,013,328	(273,099)
25		Total Deferred Credits	2,419,376	2,263,856	(155,520)
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	46,129	47,307	1,178
28	261	Property Insurance Reserve			0
29	262	Injuries and Damages Reserves			0
30	263	Pensions and Benefits Reserves			0
31	265	Miscellaneous Operating Reserves			0
32		Total Reserves	46,129	47,307	1,178
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction			0
35		Total Liabilities and Other Credits	19,972,454	21,108,188	1,135,734

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)	13,940,694	(699,783)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	12,085,146	(164,451)
5	402 Maintenance Expense	666,931	49,438
6	403 Depreciation Expense	791,793	(97,856)
7	407 Amortization of Property Losses	0	0
8		0	0
9	408 Taxes (P. 49)	13,543,870	(212,869)
10	Total Operating Expenses	396,824	(486,914)
11	Operating Income	0	0
12	414 Other Utility Operating Income (P. 50)		
13		396,824	(486,914)
14	Total Operating Income		
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	
17	419 Interest Income	34,124	(8,102)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	34,124	(8,102)
20	Total Income	430,948	(495,016)
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	430,948	(495,016)
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	277,831	42,450
28	428 Amortization of Debt Discount and Expense	8,271	1,710
29	429 Amortization of Premium on Debt - Credit	(11,928)	(4,449)
30	431 Other Interest Expense	245	35
31	432 Interest: Charged to Construction - Credit		0
32	Total Interest Charges	274,419	39,746
33	NET INCOME	156,529	(534,762)
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		8,703,365
35			
36			
37	433 Balance Transferred from Income		156,529
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	0	
40	436 Appropriations of Surplus (P. 21)	301,336	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	8,558,558	
43		8,859,894	8,859,894
44	TOTALS		

CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Operating Fund	814,266	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	814,266	
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)	59,693	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	83,828	
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	143,521	0
DEPRECIATION FUND ACCOUNT (Account 126)			
Line No.	(a)	Amount (b)	
24	DEBITS		
25	Balance of account at beginning of year	808,898	
26	Income during year from balance on deposit (interest)	6,865	
27	Amount transferred from income (depreciation)	791,793	
28	Amount transferred in from surplus & other transfers in	558,696	
29			
	TOTAL	2,166,252	
30	CREDITS		
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	1,182,038	
32	Amounts expended for renewals,viz:-		
33	Bond Princpal Payment	340,000	
34	Amount repaid to Rate Stabilization	134,000	
35			
36			
37			
38			
39	Balance on hand at end of year	510,214	
40	TOTAL	2,166,252	

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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		0	0	0	0	0	0
4							
5	2. PRODUCTION PLANT						
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						
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	0	0	0	0	0	0

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	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights	841	-	-			841
12	341 Structures and Improvements	17,050	-	160			16,890
13	342 Fuel Holders, Producers and Accessories	12,148	-	114			12,034
14	343 Prime Movers	29,177	-	274			28,903
15	344 Generators	120,930	2,279,292	22,537			2,377,685
16	345 Accessory Electric Equipment	45,110	-	424			44,686
17	346 Miscellaneous Power Plant Equipment	138,932	32,520	1,610			169,842
18	Total Other Production Plant	364,188	2,311,812	25,119	0	0	2,650,881
19	Total Production Plant	364,188	2,311,812	25,119	0	0	2,650,881
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	531,810	339,348	42,081			829,077
27	356 Overhead Conductors and Devices	578,149	167,141	36,001			709,289
28	357 Underground Conduit	-	-	-			-
29	358 Underground Conductors and Devices	-	-	-			-
30	359 Roads and Trails	-	-	-			-
31	Total Transmission Plant	1,132,094	506,489	78,082	0	0	1,560,501

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	-	-	7			-
3	361 Structures and Improvements	107	-	361,535			100
4	362 Station Equipment	5,743,069	11,784				5,393,318
5	363 Storage Battery Equipment	-	-	53,285			-
6	364 Poles Towers and Fixtures	796,084	52,102	48,541			794,901
7	365 Overhead Conductors and Devices	745,775	26,900	417			724,134
8	366 Underground Conduit	-	6,638	33,064			6,221
9	367 Underground Conductors and Devices	45,881	480,423	41,366			493,240
10	368 Line Transformers	612,548	45,916	9,431			617,098
11	369 Services	140,348	9,777	48,281			140,694
12	370 Meters	749,211	19,341	19,354			720,271
13	371 Installations on Customer's Premises	98,224	209,858	17,846			288,728
14	372 Leased Prop on Customer's Premises	-	-				-
15	373 Streetlight and Signal Systems	248,377	35,690	17,846			266,221
16	Total Distribution Plant	9,179,624	898,429	633,127	0	0	9,444,926
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-	5,735			-
19	390 Structures and Improvements	91,829	10,589	5,552			96,683
20	391 Office Furniture and Equipment	99,149	-	36,398			93,597
21	392 Transportation Equipment	474,244	175,785	262			613,631
22	393 Stores Equipment	4,678	-	3,169			4,416
23	394 Tools, Shop and Garage Equipment	56,598	-	1,036			53,429
24	395 Laboratory Equipment	18,499	-	-			17,463
25	396 Power Operated Equipment	-	-	860			-
26	397 Communication Equipment	15,358	-	2,453			14,498
27	398 Miscellaneous Equipment	43,809	-	-			41,356
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	804,164	186,374	55,465	0	0	935,073
30	Total Electric Plant in Service	11,480,070	3,903,104	791,793	0	0	14,591,381
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	11,480,070	3,903,104	791,793	0	0	14,591,381

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	\$ 36,277	14,732	\$ 36,277	-	-
2	Received During Year	105,651	35,024	105,651	-	-
3	TOTAL	\$ 141,928	49,756	\$ 141,928	-	\$ -
4	Used During Year (Note A)					
5	Prime Mover Fuel	89,769	32,545	89,769	-	-
6						
7						
8						
9						
10						
11	Sold or Transferred	89,769	32,545	89,769	-	-
12	TOTAL DISPOSED OF	52,159	17,211	52,159	-	\$ -
13	BALANCE END OF YEAR	\$				
Kinds of Fuel and Oil - continued						
Line No.	Item (g)	LUBE OIL			Quantity (i)	Cost (k)
		Quantity (h)	Cost (j)			
14	On Hand Beginning of Year					
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18	Prime Mover lubricants					
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		0
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		
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	0
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	PAYMENT IN LIEU OF TAXES	301,336
34		
35		
36		
37		
38		
39		
40	TOTAL	301,336

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)	2,975,307	317,125	0.1066
6	4443	Municipal Building M2: (Other Than Street Lighting)	2,164,819	244,268	0.1128
7					
8					
9					
10					
11					
12		TOTALS	5,140,126	561,393	0.1092
13	4441	Street Lighting	843,480	65,640	0.0778
14					
15					
16					
17					
18		TOTALS	843,480	65,640	0.0778
19		TOTALS	5,983,606	627,033	0.1048

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					
21					
22	See Pages 54 and 55				
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		TOTALS	0	0	

ELECTRIC OPERATING REVENUES (Account 400)

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	6,486,566	(309,524)	49,459,990	(337,635)	5,959	28		
3	442 Commercial and Industrial Sales:								
4	Small Commercial B Sales	789,674	1,875	5,564,111	260,967	661	4		
5	Large Commercial C Sales	6,389,381	(286,526)	49,462,690	(33,196)	180	(1)		
6	444 Municipal Sales	627,033	(81,095)	5,983,606	(71,706)	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	33,628	4,025	182,170	0	108	(4)		
11	Total Sales to Ultimate Consumers	14,326,282	(671,245)	110,652,567	(181,570)	6,955	27		
12	447 Sales for Resale	0	0	0	0	0	0		
13	Total Sales of Electricity*	14,326,282	(671,245)	110,652,567	(181,570)	6,955	27		
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts	(422,156)	(4,321)						
16	451 Miscellaneous Service Revenues	36,568	(24,217)						
17	453 Sales of Water and Water Power	0	0						14,326,282
18	454 Rent from Electric Property	0	0						
19	455 Interdepartmental Rents	0	0						
20	456 Other Electric Revenues	0	0						110,652,567
21									
22									
23									
24	Total Other Operating Revenues	(385,588)	(28,538)						
25	Total Electric Operating Revenue	13,940,694	(699,783)						

* 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	4400	Residential A	49,459,990	6,486,566	0.1311	5,965	5,980
2	4421	Commercial	5,564,111	789,674	0.1419	659	666
3	4422	Industrial	49,462,690	6,389,381	0.1292	178	182
4	4442	Municipal Building M1	2,975,307	317,125	0.1066	29	29
5	4443	Municipal Building M2	2,164,819	244,268	0.1128	17	17
6	4441	Municipal Street Lighting	843,480	65,640	0.0778	1	1
7	4424	Outdoor Area Lighting	182,170	33,628	0.1846	106	107
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)			110,652,567	14,326,282	0.1295	6,955	6,982

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:		0
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	0
12	Total Operation		
13	Maintenance:		0
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:		0
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	0
32	Total Operation		
33	Maintenance:		0
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:		0
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	0
49	Total Operation		

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:		0
3	541 Maintenance Supervision and engineering		0
4	542 Maintenance of structures		0
5	543 Maintenance or reservoirs, dams and waterways		0
6	544 Maintenance of electric plant		0
7	545 Maintenance of miscellaneous hydraulic plant		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	15,438	4,405
13	547 Fuel	100,412	14,223
14	548 Generation Expenses	276,735	59,101
15	549 Miscellaneous other power generation expense	11,585	2,928
16	550 Rents	0	0
17	Total Operation	404,170	80,657
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	(56,334)
20	552 Maintenance of Structures	2,939	1,917
21	553 Maintenance of generating and electric plant	6,821	(35,097)
22	554 Maintenance of miscellaneous other power generation plant	18,408	(8,679)
23	Total Maintenance	28,168	(98,193)
24	Total power production expenses - other power	432,338	(17,536)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	8,188,095	(670,278)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	8,188,095	(670,278)
30	Total power production expenses	8,620,433	(687,814)
31	TRANSMISSION EXPENSES		
32	Operation:		0
33	560 Operation supervision and engineering		0
34	561 Load dispatching		0
35	562 Station expenses		0
36	563 Overhead line expenses		0
37	564 Underground line expenses		0
38	565 Transmission of electricity by others	2,145,331	167,851
39	566 Miscellaneous transmission expenses		0
40	567 Rents		0
41	Total Operation	2,145,331	167,851
42	Maintenance:		
43	568 Maintenance supervision and engineering		
44	569 Maintenance of structures		
45	570 Maintenance of station equipment		
46	571 Maintenance of overhead lines		
47	572 Maintenance of underground lines		
48	573 Maintenance of miscellaneous transmission plant		
49	Total maintenance	0	0
50	Total transmission expenses	2,145,331	167,851

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	22,058	111
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses Transportation	45,055	33,588
6	583 Overhead line expenses	41,702	(18,181)
7	584 Underground line expenses	29	(346)
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	20,366	(1,040)
10	587 Customer installations expenses	2,016	1,724
11	588 Miscellaneous distribution expenses	39,840	(2,713)
12	589 Rents	0	0
13	Total operation	171,066	13,143
14	Maintenance:		
15	590 Maintenance supervision and engineering	55,145	2,276
16	591 Maintenance of structures	19,347	9,613
17	592 Maintenance of station equipment	37,460	35,896
18	593 Maintenance of overhead lines	532,088	(9,761)
19	594 Maintenance of underground lines	2,053	1,636
20	595 Maintenance of line transformers	1,068	1,068
21	596 Maintenance of street lighting and signal systems	9,731	5,626
22	597 Maintenance of meters	5,325	888
23	598 Maintenance of miscellaneous distribution plant	4,714	2,196
24	Total maintenance	666,931	49,438
25	Total distribution expenses	837,997	62,581
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	20,472	(423)
29	902 Meter reading expenses	8,449	(424)
30	903 Customer records and collection expenses	122,855	607
31	904 Uncollectible accounts	12,472	22,638
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	164,248	22,398
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision		0
37	912 Demonstrating and selling expenses		0
38	913 Advertising expenses		0
39	916 Miscellaneous sales expenses		0
40	Total sales expenses	0	0
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and general salaries	330,833	(1,990)
44	921 Office supplies and expenses	134,728	44,570
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	49,107	71,632
47	924 Property insurance	47,375	(2,379)
48	925 Injuries and damages	11,414	(1,456)
49	926 Employee pensions and benefits	304,894	187,464
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	105,717	22,130
53	931 Rents	0	0
54	Total operation	984,068	319,971

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:		0
3	932 Maintenance of general plant		
4	Total administrative and general expenses	984,068	319,971
5	Total Electric Operation and Maintenance Expenses	12,752,077	(115,013)

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	432,338	0	432,338
12	Other Power Supply Expenses	8,188,095	0	8,188,095
13	Total power production expenses	8,620,433		8,620,433
14	Transmission Expenses	2,145,331		2,145,331
15	Distribution Expenses	171,066	666,931	837,997
16	Customer Accounts Expenses	164,248		164,248
17	Sales Expenses	0		0
18	Administrative and General Expenses	984,068	0	984,068
19	Total Electric Operation and			
20	Maintenance Expenses	12,085,146	666,931	12,752,077

21 Ratio of operating expenses to operating revenues 1.03%
 (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)

22 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. 1,286,888

23 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees) 17

OTHER UTILITY OPERATING INCOME (Account 414)					
Report below the particulars called for in each column					
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2	NONE				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
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39					
40					
41					
42					
43					
44					
45					
46					
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					
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42					
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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
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								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)		
60 MINUTES		5,010,347	33,220	24,651	71,163	129,034	\$0.0258	1
60 MINUTES		438,935	36,831	29,776	995	67,602	\$0.1540	2
60 MINUTES		274,647	37,470	2,295	80	39,845	\$0.1451	3
60 MINUTES		3,022,524	292,364	16,819	1,375	310,558	\$0.1027	4
60 MINUTES		2,656,973	232,629	14,825	1,209	248,663	\$0.0936	5
60 MINUTES		7,688,162	729,302	64,084	2,234	795,620	\$0.1035	6
60 MINUTES		947,784	96,056	7,906	275	104,237	\$0.1100	7
60 MINUTES					715,279	715,279	N/A	8
60 MINUTES			0		1,996	1,996	N/A	9
60 MINUTES		0	0	0	27,919	27,919	N/A	10
60 MINUTES					1,339,304	1,339,304	N/A	11
60 MINUTES		51,366,400		2,491,187		2,491,187	\$0.0485	12
60 MINUTES		1,506,039			280,439			13
								14
								15
								16
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								33
								34
								35
								41
	TOTALS:	72,911,811	1,457,872	2,651,543	2,442,268	6,271,244		42

INTERCHANGE POWER (Included in Account 555)

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

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

3. Particulars of settlements for interchange power shall be furnished in Part B. Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling, coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)	
					Received (a)	Delivered (f)	Net Difference (g)		
1	NEPEX				123,793,380	78,179,290	45,614,090	3,367,057	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12					TOTALS	123,793,380	78,179,290	45,614,090	3,367,057

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	3,220,594
14		NEPOOL EXPENSE	146,463
15			
16			
17			
18			
19			
20		TOTAL	3,367,057
21			

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	0
3	Steam	0
4	Nuclear	0
5	Hydro	0
6	Other	0
7	Total Generation	2,667,087
8	Purchases	72,911,811
9	(In gross)	123,793,380
10	< Out (gross)	78,179,290
11	(Net (Kwh))	45,614,090
12	(Received	0
13	< Delivered	0
14	(Net (Kwh))	0
15	TOTAL	121,192,988
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	110,652,567
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	1,795,416
22	Energy losses	
23	Transmission and conversion losses	4,131,810
24	Distribution losses	4,613,195
25	Unaccounted for losses	
26	Total energy losses	8,745,005
27	Energy losses as percent of total on line 15	7.22%
28	TOTAL	121,192,988

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 purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation

as to the nature of the emergency.
 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	20,357	Monday	24	7:00 PM	60 min	11,296,290
30	February	19,494	Tuesday	1	6:00 PM	60 min	9,162,379
31	March	17,989	Thursday	3	7:00 PM	60 min	9,954,723
32	April	16,888	Friday	1	11:00 AM	60 min	9,101,180
33	May	18,519	Friday	27	2:00 PM	60 min	9,570,673
34	June	24,173	Thursday	9	4:00 PM	60 min	10,059,069
35	July	28,657	Friday	22	2:00 PM	60 min	12,140,636
36	August	23,804	Monday	1	3:00 PM	60 min	11,317,106
37	September	19,903	Wednesday	14	4:00 PM	60 min	9,981,565
38	October	17,048	Thursday	27	7:00 PM	60 min	9,392,052
39	November	17,484	Wednesday	23	6:00 PM	60 min	8,788,159
40	December	19,197	Monday	19	6:00 PM	60 min	10,429,154
41						TOTAL	121,192,986

GENERATING STATIONS

GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear)

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	Kind of plant (Steam, Hydro, Int. Comb.)	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)	11,017	1,600		
7	Plant hours connected to load	466	5,352		
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	532,831	2,134,256		
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	7,039,471			
18	Roads, railroads and bridges				
19	Total cost	7,367,548			
20	Cost per kw of installed capacity	586.588			
21	Production expenses:				
22	Operation supervision and engineering	15,438			
23	Station labor	298,080			
24	Fuel	100,412			
25	Supplies & Expenses, including water	0			
26	Maintenance	18,408			
27	Rents				
28	Steam from other sources	0			
29	Steam transferred - credit	0			
30	Total production expenses	432,338			
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	775	1,293		
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	119.784	4.852		
37	Average cost of fuel per unit consumed	115.836	4.852		
38	Average cost of fuel consumed per million B.t.u.		4.852		
39	Average cost of fuel consumed per kwh net gen	0.674	0.016		
40	Average B.t.u. per kwh net generation	815	3,268		

STEAM GENERATING STATIONS					Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
4					
5					
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20					
HYDROELECTRIC GENERATING STATIONS					Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
3					
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 STATION STATISTICS (Small Stations)					Page 66
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)
1	NONE				
2					
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46					

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	3364 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								
9	High Street	Rowley-Ipswich	23,000	Wood Pole		1.3	1	795 MCM Aluminum
10	Power Plant	Town Line						
11	Line #2373	Con New England Power Co Line						
12								
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 Power Co Line						
17								
18								
19	High Street	Fowler's Lane	23,000	Wood Pole		2.1	1	477 MCM Aluminum
20	Sub-Station	Sub-Station						
21								
22								
23	Ipswich Wind	Fowler's Lane	13,800	Wood Pole		2.2	1	3364 MCM Aluminum
24	Town Farm Rd	Sub-Station						
25								
26								
27								
28								
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46								
47								
48								
49								
50								
51								
52	TOTALS				0	10.6	6	

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

SUBSTATIONS

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		Total Capacity (k)
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	
1	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
2	Vermette Court Transformer #1										
3											
4	Substation #6	Step down for purchased power from New England Power Company	23,000	13,800	-	20,000	1	0			
5	Vermette Court Transformer #2										
6											
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 Transformer #1										
9											
10											
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 Transformer #2										
13											
14											
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											
18											
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											
22											
25											
26											
TOTALS						81,375	6	0			

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.

Conversion Apparatus and Special Equipment

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	3.000		3.000
3	Retired During Year	3.000		3.000
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:	6,646	6,807	955	47,380
17	Additions during year				
18	Purchased	0		31	1,275
19	Installed	25	549	18	1,100
20	Associated with utility plant acquired				
21	Total Additions	25	549	49	2,375
22	Reductions during year:				
23	Retirements	5	482	12	375
24	Associated with utility plant sold				
25	Total Reductions	5	482	12	375
26	Number at end of year	6,666	6,874	992	49,380
27	In stock		150	74	5,115
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		6,863		
31	In company's use		11	992	49,380
32	Number at end of year		7,024	1,066	54,495

*

Annual Report of the Town of Ipswich

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	Miles of Conduit Bank (All Sizes and Types)		Underground Cable		Submarine Cable	
		(a)	(b)	Miles*	Operating Voltage (d)	Feet*	Operating Voltage (f)
1	#2 Conductor	1.50		2.00	4,160		
2	#4 Duct Lane	1.00					
3	#2 Conductor	20.00		24.14	13,800		
4							
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49							
TOTALS		23		26	17960	0	0

* Per circuit mile, measurement based on single-phase

Indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	Type							
			Incandescent		Mercury Vapor		Florescent & Quartz		Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Ipswich	1,727	0	0	20	57	41	0	1,609	0
2										
3										
4										
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51										
52	TOTALS	1,727	-	-	20	57	41	-	1,609	-

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
January 1, 1985	77	NO CHANGES		
January 1, 1985	87	NO CHANGES		
August 1, 2008	89	NO CHANGES		
August 1, 2008	90	NO CHANGES		
August 1, 2008	91	NO CHANGES		
August 1, 2008	92	NO CHANGES		
August 1, 2008	93	NO CHANGES		
August 1, 2008	94	NO CHANGES		
August 1, 2008	95	NO CHANGES		
August 1, 2008	96	NO CHANGES		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Raymond K. Morley
Raymond K. Morley

Town Manager

Timothy J. Henry
Timothy J. Henry

Manager of Electric Light

Patrick J. McNally
Patrick J. McNally

William M. Craft
William M. Craft

Selectmen
or
Members
of the
Municipal
Light
Board

Shirley A. Berry
Shirley A. Berry

Charles D. Surpitski
Charles D. Surpitski

Raymond K. Morley
Raymond K. Morley Chair

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

SS

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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