



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,

2012

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

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.	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,	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:		
William M. Craft	62 East Street, Ipswich	
Charles D. Surpitski	17 Upper River Road, Ipswich	
Patrick J. McNally	74 Little Neck Road, Ipswich	
Shirley A. Berry	7 Liberty Street, Ipswich	
Nishan D. Mootafian	33 Birch Lane, 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)	\$ 2,332,992,495	
9. Tax rate for all purposes during the year:	\$13.30	
10. Amount of manager's salary:	Utilities Director	\$127,067
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	13,765,240
3		
4		
5	EXPENSES	
6	For operation, maintenance and repairs	13,892,300
7	For interest on bonds, notes or scrip	201,400
8	For depreciation fund (3% 30,453,699 (ex land)	913,611
9	For sinking fund requirements	0
10	For note payments	0
11	For bond payments	485,000
12	For loss in preceding year	0
13		
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	550,000
19	Of electricity to be used for street lights	65,600
20	Total of above items to be included in the tax levy	615,600
21		
22	New construction to be included in the tax levy	0
23	Total amounts to be included in the tax levy	615,600

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	6,980
TOTAL	0	TOTAL	6,980

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	550,000
3.	
	TOTAL 615,600

* 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:

System-wide Advanced Metering Infrastructure implementation over the next 4 years

In gas property: Not applicable

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					

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	4,800,000
October 30, 2007	April 1, 2010	600,000	40,000	Annually	2.00-5.00%	Semi Annually	520,000
May 13, 2008	June 14, 2011	2,642,000	147,000	Annually	2.00-5.00%	Semi Annually	2,495,000
(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	7,815,000

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		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

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						
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	2,250,463	2,500				2,252,963
15	344 Generators	3,871,377	4,188				3,875,565
16	345 Accessory Electric Equipment	414,122	2,500	24,184			392,438
17	346 Miscellaneous Power Plant Equipment	389,138	36,561				425,699
18	Total Other Production Plant	7,367,548	45,749	24,184	0	0	7,389,113
19	Total Production Plant	7,367,548	45,749	24,184	0	0	7,389,113
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	12,830	-			14,301
4	362 Station Equipment	8,794,000	-	-			8,794,000
5	363 Storage Battery Equipment	-	-	-			-
6	364 Poles Towers and Fixtures	1,710,171	61,927	19,564			1,752,534
7	365 Overhead Conductors and Devices	1,356,901	90,318	-			1,447,219
8	366 Underground Conduit	116,566	5,952	-			122,518
9	367 Underground Conductors and Devices	738,321	400,562	62,653			1,076,230
10	368 Line Transformers	1,970,680	45,947	19,036			1,997,591
11	369 Services	363,446	14,307	10,812			366,941
12	370 Meters	2,018,436	48,482	297,979			1,768,939
13	371 Installations on Customer's Premises	363,688	231,156	-			594,844
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	621,827	59,390	31,156			650,061
16	Total Distribution Plant	18,055,507	970,871	441,200	0	0	18,585,178
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-	-			-
19	390 Structures and Improvements	580,107	-	-			580,107
20	391 Office Furniture and Equipment	468,356	-	-			468,356
21	392 Transportation Equipment	1,254,920	-	131,831			1,123,089
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	2,668,214	0	131,831	0	0	2,536,383
30	Total Electric Plant in Service	30,057,271	1,016,620	597,215	0	0	30,476,675
31					Total Cost of Electric Plant.....		30,476,675
33					Less Cost of Land, Land Rights, Rights of Way.....		22,976
34					Total Cost upon which Depreciation is based		30,453,699

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)	14,591,381	14,706,975	115,594
3	101	Utility Plant - Gas (P. 20)	0	0	0
4					
5		Total Utility Plant	14,591,381	14,706,975	115,594
6					
7					
8					
9					
10					
11		FUND ACCOUNTS			
12	125	Sinking Funds			0
13	126	Depreciation Fund (P. 14)	510,214	303,615	(206,599)
14	128	Other Special Funds	1,331,374	1,309,085	(22,289)
15		Total Funds	1,841,588	1,612,700	(228,888)
16		CURRENT AND ACCRUED ASSETS			
17	131	Cash (P. 14)	814,266	522,809	(291,457)
18	132	Special Deposits	67,022	69,449	2,427
19	135	Working Funds	200	200	0
20	141	Notes Receivable			0
21	142	Customer Accounts Receivable	396,490	565,064	168,574
22	143	Other Accounts Receivable	0	0	0
23	146	Receivables from Municipality			0
24	151	Materials and Supplies (P. 14)	143,521	155,007	11,486
25					
26	165	Prepayments	1,889,205	1,909,784	20,579
27	174	Miscellaneous Current Assets	0		0
28		Total Current and Accrued Assets	3,310,704	3,222,313	(88,391)
29		DEFERRED DEBITS			
30	181	Unamortized Debt Discount	153,433	144,148	(9,285)
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	1,211,082	1,272,967	61,885
33		Total Deferred Debits	1,364,515	1,417,115	52,600
34					
35		Total Assets and Other Debits	21,108,188	20,959,103	(149,085)

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)	8,558,558	8,809,895	251,337
8		Total Surplus	8,558,558	8,809,895	251,337
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	8,302,000	7,815,000	(487,000)
11	231	Notes Payable (P. 7)	0	0	0
12		Total Bonds and Notes	8,302,000	7,815,000	(487,000)
13		CURRENT AND ACCRUED LIABILITIES			
14	232	Accounts Payable	1,717,608	1,764,227	46,619
15	234	Payables to Municipality	0	0	0
16	235	Customers' Deposits	89,664	101,200	11,536
17	236	Taxes Accrued	0	0	0
18	237	Interest Accrued	29,497	28,302	(1,195)
19	242	Miscellaneous Current and Accrued Liabilities	99,698	111,343	11,645
20		Total Current and Accrued Liabilities	1,936,467	2,005,072	68,605
21		DEFERRED CREDITS			
22	251	Unamortized Premium on Debt	250,528	235,744	(14,784)
23	252	Customer Advances for Construction			0
24	253	Other Deferred Credits	2,013,328	2,052,202	38,874
25		Total Deferred Credits	2,263,856	2,287,946	24,090
26		RESERVES			
27	260	Reserves for Uncollectible Accounts	47,307	41,190	(6,117)
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	47,307	41,190	(6,117)
33		CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271	Contributions in Aid of Construction			0
35		Total Liabilities and Other Credits	21,108,188	20,959,103	(149,085)

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)	13,913,280	(27,414)
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	11,496,696	(588,450)
5	402 Maintenance Expense	682,117	15,186
6	403 Depreciation Expense	901,029	109,236
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 49)	0	0
10	Total Operating Expenses	13,079,842	(464,028)
11	Operating Income	833,438	436,614
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	833,438	436,614
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	0	
17	419 Interest Income	16,223	(17,901)
18	421 Miscellaneous Nonoperating Income (P. 21)	0	0
19	Total Other Income	16,223	(17,901)
20	Total Income	849,661	418,713
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	1	1
24	Total Income Deductions	1	1
25	Income Before Interest Charges	849,660	418,712
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	308,300	30,469
28	428 Amortization of Debt Discount and Expense	9,285	1,014
29	429 Amortization of Premium on Debt - Credit	(14,784)	(2,856)
30	431 Other Interest Expense	137	(108)
31	432 Interest: Charged to Construction - Credit		0
32	Total Interest Charges	302,938	28,519
33	NET INCOME	546,722	390,193
EARNED SURPLUS			
Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		8,558,558
35			
36			
37	433 Balance Transferred from Income		546,722
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)	295,385	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	8,809,895	
43			
44	TOTALS	9,105,280	9,105,280

CASH BALANCES AT END OF YEAR		
Line No.	Items (a)	Amount (b)
1	Operating Fund	522,809
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
TOTAL		522,809

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)	57,214	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	97,793	
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	155,007	0

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year	510,214
26	Income during year from balance on deposit (interest)	4,993
27	Amount transferred from income (depreciation)	901,029
28	Amount transferred in from surplus & other transfers in	525,000
29		TOTAL 1,941,236
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	1,016,621
32	Amounts expended for renewals,viz:-	
33	Bond Principal Payment	487,000
34	Amount repaid to Rate Stabilization	134,000
35		
36		
37		
38		
39	Balance on hand at end of year	303,615
40		TOTAL 1,941,236

		UTILITY PLANT - ELECTRIC					
1. Report below the cost of utility plant in service according to prescribed accounts		the preceding year. Such items should be included in column (c).			negative effect of such amounts.		
2. Do not include as adjustments, corrections of additions and retirements for the current or		3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the			4. Reclassifications or transfers within utility plant accounts should be shown in column (f).		
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
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

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	16,890	-	1,027			15,863
13	342 Fuel Holders, Producers and Accessories	12,034	-	732			11,302
14	343 Prime Movers	28,903	2,500	1,909			29,494
15	344 Generators	2,377,685	4,188	144,814		1	2,237,060
16	345 Accessory Electric Equipment	44,686	2,500	2,869			44,317
17	346 Miscellaneous Power Plant Equipment	169,842	36,561	12,549			193,854
18	Total Other Production Plant	2,650,881	45,749	163,900	0	1	2,532,731
19	Total Production Plant	2,650,881	45,749	163,900	0	1	2,532,731
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	829,077	-	51,277			777,800
27	356 Overhead Conductors and Devices	709,289	-	43,868			665,421
28	357 Underground Conduit	-	-	-			-
29	358 Underground Conductors and Devices	-	-	-			-
30	359 Roads and Trails	-	-	-			-
31	Total Transmission Plant	1,560,501	0	95,145	0	0	1,465,356

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	100	12,830	725			12,205
4	362 Station Equipment	5,393,318	-	302,473			5,090,845
5	363 Storage Battery Equipment	-	-	-			-
6	364 Poles Towers and Fixtures	794,901	61,927	48,054			808,774
7	365 Overhead Conductors and Devices	724,134	90,318	45,677			768,775
8	366 Underground Conduit	6,221	5,952	683			11,490
9	367 Underground Conductors and Devices	493,240	400,562	50,127			843,675
10	368 Line Transformers	617,098	45,947	37,186			625,859
11	369 Services	140,694	14,307	8,693			146,308
12	370 Meters	720,271	48,482	43,113			725,640
13	371 Installations on Customer's Premises	288,728	231,156	29,157			490,727
14	372 Leased Prop on Customer's Premises	-	-	-			-
15	373 Streetlight and Signal Systems	266,221	59,390	18,261			307,350
16	Total Distribution Plant	9,444,926	970,871	584,149	0	0	9,831,648
17	5. GENERAL PLANT						
18	389 Land and Land Rights	-	-				-
19	390 Structures and Improvements	96,683	-	5,980			90,703
20	391 Office Furniture and Equipment	93,597	-	5,789			87,808
21	392 Transportation Equipment	613,631	-	37,952		1	575,680
22	393 Stores Equipment	4,416	-	273			4,143
23	394 Tools, Shop and Garage Equipment	53,429	-	3,305			50,124
24	395 Laboratory Equipment	17,463	-	1,080			16,383
25	396 Power Operated Equipment	-	-	-			-
26	397 Communication Equipment	14,498	-	897			13,601
27	398 Miscellaneous Equipment	41,356	-	2,558			38,798
28	399 Other Tangible Property	-	-	-			-
29	Total General Plant	935,073	0	57,834	0	1	877,240
30	Total Electric Plant in Service	14,591,381	1,016,620	901,028	0	1	14,706,975
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	14,591,381	1,016,620	901,028	0	1	14,706,975

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	\$ 52,159	17,211	\$ 52,159		
2	Received During Year	-	0	0	-	-
3	TOTAL	\$ 52,159	17,211	\$ 52,159	-	\$ -
4	Used During Year (Note A)				-	-
5	Prime Mover Fuel		4,420	1,472	4,420	
6						
7						
8						
9						
10						
11	Sold or Transferred	-				
12	TOTAL DISPOSED OF		4,420	1,472	4,420	-
13	BALANCE END OF YEAR	\$ 47,739	15,739	47,739	-	\$ -
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	624	\$ 7,534			
15	Received During Year	220	3,099			
16	TOTAL	844	\$ 10,633			
17	Used During Year (Note A)					
18	Prime Mover lubricants		98	1,158		
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF		98	1,158		
26	BALANCE END OF YEAR		746	9,475		

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	295,385
34		
35		
36		
37		
38		
39		
40		
	TOTAL	295,385

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)	2,898,654	313,531	0.1082
6	4443	Municipal Building M2: (Other Than Street Lighting)	1,678,653	250,016	0.1489
7					
8					
9					
10					
11					
12					
13	4441	Street Lighting	TOTALS	4,577,307	563,547
14				843,480	65,640
15					
16					
17					
18			TOTALS	843,480	65,640
19			TOTALS	5,420,787	629,187
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)	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

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

ELECTRIC OPERATING REVENUES (Account 400)

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	6,265,284	(221,282)	48,321,993	(1,475,632)	5,972	13
3	442 Commercial and Industrial Sales:						
4	Small Commercial B Sales	770,287	(19,387)	5,565,982	262,838	675	15
5	Large Commercial C Sales	6,315,593	(73,788)	50,356,829	860,943	185	5
6	444 Municipal Sales	629,187	2,154	5,420,787	(634,525)	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	33,771	143	182,170	0	106	(2)
11	Total Sales to Ultimate Consumers	14,014,122	(312,160)	109,847,761	(986,376)	6,985	31
12	447 Sales for Resale	0	0	0	0	0	0
13	Total Sales of Electricity*	14,014,122	(312,160)	109,847,761	(986,376)	6,985	31
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts	(431,313)	(9,157)				
16	451 Miscellaneous Service Revenues	330,471	293,903				
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	0	0				
21							
22							
23							
24							
25	Total Other Operating Revenues	(100,842)	284,746				
26	Total Electric Operating Revenue	13,913,280	(27,414)				

* Includes revenues from application of fuel clauses \$ 14,014,122

Total KWH to which applied 109,847,761

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.

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space proved 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
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	11,364	(4,074)
13	547 Fuel	6,840	(93,572)
14	548 Generation Expenses	218,343	(58,392)
15	549 Miscellaneous other power generation expense	39,833	28,248
16	550 Rents	0	0
17	Total Operation	276,380	(127,790)
18	Maintenance:		
19	551 Maintenance supervision and engineering	35,552	35,552
20	552 Maintenance of Structures	1,277	(1,662)
21	553 Maintenance of generating and electric plant	2,426	(4,395)
22	554 Maintenance of miscellaneous other power generation plant	19,551	1,143
23	Total Maintenance	58,806	30,638
24	Total power production expenses - other power	335,186	(97,152)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	7,835,934	(352,161)
27	556 System control and load dispatching	0	0
28	557 Other expenses	0	0
29	Total other power supply expenses	7,835,934	(352,161)
30	Total power production expenses	8,171,120	(449,313)
31	TRANSMISSION EXPENSES		
32	Operation:		
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	2,167,041	21,710
39	566 Miscellaneous transmission expenses		0
40	567 Rents		0
41	Total Operation	2,167,041	21,710
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	2,167,041	21,710

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	23,119	1,061
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	43,137	(1,918)
6	583 Overhead line expenses	43,349	1,647
7	584 Underground line expenses	737	708
8	585 Street lighting and signal system expenses	0	0
9	586 Meter expenses	18,916	(1,450)
10	587 Customer installations expenses	0	(2,016)
11	588 Miscellaneous distribution expenses	43,253	3,413
12	589 Rents	0	0
13	Total operation	172,511	1,445
14	Maintenance:		
15	590 Maintenance supervision and engineering	57,797	2,652
16	591 Maintenance of structures	11,928	(7,419)
17	592 Maintenance of station equipment	38,076	616
18	593 Maintenance of overhead lines	560,179	28,091
19	594 Maintenance of underground lines	1,078	(975)
20	595 Maintenance of line transformers	1,627	559
21	596 Maintenance of street lighting and signal systems	6,335	(3,396)
22	597 Maintenance of meters	4,426	(899)
23	598 Maintenance of miscellaneous distribution plant	671	(4,043)
24	Total maintenance	682,117	15,186
25	Total distribution expenses	854,628	16,631
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	21,219	747
29	902 Meter reading expenses	8,853	404
30	903 Customer records and collection expenses	129,031	6,176
31	904 Uncollectible accounts	4,271	(8,201)
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	163,374	(874)
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	340,685	9,852
44	921 Office supplies and expenses	105,090	(29,638)
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	57,372	8,265
47	924 Property insurance	49,980	2,605
48	925 Injuries and damages	15,214	3,800
49	926 Employee pensions and benefits	216,247	(88,647)
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	38,062	(67,655)
53	931 Rents	0	0
54	Total operation	822,650	(161,418)

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	822,650	(161,418)
5	Total Electric Operation and Maintenance Expenses	12,178,813	(573,264)
SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES			
Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)
6	Power Production Expenses		
7	Electric Generation:		
8	Steam Power:		
9	Nuclear Power		
10	Hydraulic Power		
11	Other Power	335,186	0
12	Other Power Supply Expenses	7,835,934	0
13	Total power production expenses	8,171,120	8,171,120
14	Transmission Expenses	2,167,041	2,167,041
15	Distribution Expenses	172,511	682,117
16	Customer Accounts Expenses	163,374	854,628
17	Sales Expenses	0	163,374
18	Administrative and General Expenses	822,650	0
19	Total Electric Operation and Maintenance Expenses	11,496,696	682,117
20			12,178,813
21	Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g.. 0.00%))		1.06%
	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.		1,325,832
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)		18

TAXES CHARGED DURING THE YEAR									
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					
12					
13					
14					
15					
16					
17					
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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, allowances and returns				0
4	Contract work	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 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)

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

For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G,

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

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

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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								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) Munici-
palities, (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 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		5,364,680	38,394	26,170	44,080	108,644	\$0.0203	1
60 MINUTES		365,960	40,044	20,044	692	60,780	\$0.1661	2
60 MINUTES		268,969	32,376	2,192	27	34,595	\$0.1286	3
60 MINUTES		3,477,824	254,043	24,265	1,254	279,562	\$0.0804	4
60 MINUTES		3,057,206	210,184	21,397	1,102	232,683	\$0.0761	5
60 MINUTES		7,529,211	648,752	61,331	750	710,833	\$0.0944	6
60 MINUTES		928,188	84,938	7,623	92	92,653	\$0.0998	7
								8
60 MINUTES					701,853	701,853	N/A	9
60 MINUTES			0		2,028	2,028	N/A	10
60 MINUTES		0	0	0	13,334	13,334	N/A	11
60 MINUTES					1,459,980	1,459,980	N/A	12
60 MINUTES		52,704,000		2,623,429	0	2,623,429	\$0.0498	13
60 MINUTES		3,056,293		502,131	0	502,131		14
								15
								16
								17
								18
								19
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								34
								35
								41
	TOTALS:	76,752,331	1,308,731	3,288,582	2,225,192	6,822,505		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 Non-utilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
3. Particulars of settlements for interchange power

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

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

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

Line No.	Name of Company (a)	Inter-change Across State Lines (b)	Point of Interchange (c)	Voltage at Which Inter-changed (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (a)	Delivered (f)	Net Difference (g)	
1	NEPEX				123,889,700	83,511,870	40,377,830	2,801,379
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12					TOTALS	123,889,700	83,511,870	40,377,830
								2,801,379

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE NEPOOL EXPENSE	2,656,528
14			144,851
15			
16			
17			
18			
19			
20			
21			TOTAL 2,801,379

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	3,490,354
8	Purchases	76,752,331
9		(In (gross) 123,889,700
10	Interchanges	< Out (gross) 83,511,870
11		(Net (Kwh) 40,377,830
12		(Received 0
13	Transmission for/by others (wheeling)	< Delivered 0
14		(Net (Kwh) 0
15	TOTAL	120,620,515
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales)	109,847,761
18	Sales for resale	0
19	Energy furnished without charge	
20	Energy used by the company (excluding station use):	
21	Electric department only	1,922,148
22	Energy losses	
23	Transmission and conversion losses	4,078,150
24	Distribution losses	4,772,456
25	Unaccounted for losses	
26	Total energy losses	8,850,606
27	Energy losses as percent of total on line 15	7.34%
28		TOTAL 120,620,515

MONTHLY PEAKS AND OUTPUT

- Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation

- as to the nature of the emergency.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
- Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
- If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Town of 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	19,421	Tuesday	3	6:00 PM	60 min	10,514,238
30	February	17,825	Wednesday	29	7:00 PM	60 min	9,540,800
31	March	17,994	Thursday	1	7:00 PM	60 min	9,631,456
32	April	16,152	Monday	2	11:00 AM	60 min	8,908,972
33	May	16,487	Thursday	24	3:00 PM	60 min	9,281,053
34	June	26,579	Thursday	21	3:00 PM	60 min	10,251,669
35	July	25,678	Tuesday	17	6:00 PM	60 min	11,950,160
36	August	25,175	Friday	3	2:00 PM	60 min	11,812,820
37	September	20,767	Friday	7	4:00 PM	60 min	9,543,660
38	October	16,809	Monday	29	3:00 PM	60 min	9,355,762
39	November	18,261	Wednesday	28	6:00 PM	60 min	9,498,545
40	December	18,871	Monday	17	6:00 PM	60 min	10,331,376
41						TOTAL	120,620,515

GENERATING STATIONS
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)	10,772	1,600		
7	Plant hours connected to load	52	5,742		
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	57,083	3,433,271		
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	7,061,035			
18	Roads, railroads and bridges				
19	Total cost	7,389,112			
20	Cost per kw of installed capacity	588.305			
21	Production expenses:				
22	Operation supervision and engineering	11,364			
23	Station labor	297,431			
24	Fuel	6,840			
25	Supplies & Expenses, including water	0			
26	Maintenance	19,551			
27	Rents				
28	Steam from other sources	0			
29	Steam transferred - credit	0			
30	Total production expenses	335,186			
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	35	439		
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	127.302	2.872		
37	Average cost of fuel per unit consumed	126.126	2.872		
38	Average cost of fuel consumed per million B.t.u.		2.872		
39	Average cost of fuel consumed per kwh net gen	0.387	0.028		
40	Average B.t.u. per kwh net generation	429	9,709		

STEAM GENERATING STATIONS						Pages 60-61
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	NONE					
3						
4						
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HYDROELECTRIC GENERATING STATIONS						Pages 62-63
Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)	Plant (e)	
1						
2	NONE					
3						
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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)	1
1750		1984	4160	3	60	1,250			2
1920		1954	4160	3	60	1,360			3
1050		1941	2400	3	60	600			4
875		1937	2400	3	60	600			5
1600		1951	4160	3	60	1,140			6
1920		1956	4160	3	60	1,360			7
1600		1960	4160	3	60	1,140			8
1920		1961	4160	3	60	1,360			9
1750		1984	4160	3	60	1,250			10
1750		1982	4160	3	60	1,250			11
1750		1983	4160	3	60	1,250			12
	17,885						11	12,560	13
N/A		May 18, 2011	690	3	60	1,600	1		14
								1,600	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					
2	NONE				
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TRANSMISSION LINE STATISTICS								
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				2.9	1	3,364
2	Power Plant	Unit Sub-Station	23,000	Wood Pole				MCM Aluminum
3	& Substation							
4								
5	Vermette Ct	Fowler's Lane				0.8	1	477
6	Unit Sub-Station	Sub-Station	23,000	Wood Pole				MCM Aluminum
7								
8								
9	High Street	Rowley-Ipswich				1.3	1	795
10	Power Plant	Town Line	23,000	Wood Pole				MCM Aluminum
11	Line #2373	Con New England						
12		Power Co Line						
13								
14	High Street	Rowley-Ipswich				1.3	1	795
15	Power Plant	Town Line	23,000	Wood Pole				MCM Aluminum
16	Line #2394	Con New England						
17		Power Co Line						
18								
19	High Street	Fowler's Lane				2.1	1	477
20	Sub-Station	Sub-Station	23,000	Wood Pole				MCM Aluminum
21								
22								
23	Ipswich Wind	Fowler's Lane				2.2	1	3,364
24	Town Farm Rd	Sub-Station	13,800	Wood Pole				MCM Aluminum
25								
26								
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49								
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51								
52								
					TOTALS	0	10.6	6

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

SUBSTATIONS											
1. Report below the information called for concerning substations of the respondent as of the end of the year.			4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.			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 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										
9	Transformer #1										
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										
13	Transformer #2										
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											
23											
24											
25											
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	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:	6,620	6,874	992	49,380
17	Additions during year				
18	Purchased	0		3	1,150
19	Installed	6	1,137	8	180
20	Associated with utility plant acquired				
21	Total Additions	6	1,137	11	1,330
22	Reductions during year:				
23	Retirements	2	1,142	8	180
24	Associated with utility plant sold				
25	Total Reductions	2	1,142	8	180
26	Number at end of year	6,624	6,869	995	50,530
27	In stock		385	63	6,342
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		6,858		
31	In company's use		11	995	50,530
32	Number at end of year		7,254	1,058	56,872

*

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)
1	#2 Conductor	1.50	3.63	4,160	
2	#4 Duct Lane	1.00			
3	#2 Conductor	20.00	18.63	13,800	
4					
5					
6					
7					
8					
9					
10					* Per circuit mile, measurement based on single-phase
11					
12					
13					
14					
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48					
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	1,723	78	0	8	87	12	0	1,538	0
2										
3										
4										
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51										
52	TOTALS	1,723	78	-	8	87	12	-	1,538	-

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	87	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		
June 1, 2012	97	RESIDENTIAL → REVENUE NEUTRAL		
June 1, 2012	98	PPFA → REVENUE NEUTRAL		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Roberta Crosbie

Roberta Crosbie

Town Manager

Timothy J. Henry

Timothy J. Henry

Manager of Electric Light

William M. Craft

Chair

Charles D. Surpitski

Charles D. Surpitski

Selectmen
or
Members
of the
Municipal
Light
Board

Patrick J. McNally

Patrick J. McNally

Shirley A. Berry

Shirley A. Berry

Nishan Mootafian

Nishan D. Mootafian

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

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