



The Commonwealth of Massachusetts

RETURN

OF THE

MUNICIPAL LIGHTING PLANT

TOWN OF SHREWSBURY

TO THE

DEPARTMENT OF  
TELECOMMUNICATION AND ENERGY

OF MASSACHUSETTS

For the Year Ended December 31,

2011

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

Official Title: GENERAL MANAGER

Office Address:

MICHAEL HALE  
100 MAPLE AVE  
SHREWSBURY MA 01545

*Received  
4/30/2012*

**GENERAL INFORMATION**

3

1. Name of town making this report. Shrewsbury

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, 125 ; No, 22 Second vote: Yes, 110 ; No, 16

Date when town began to sell electricity: October 1908 for home lighting

3. Name and address of manager of municipal lighting:

MICHAEL HALE 8 WESLEYAN TERRACE SHREWSBURY, MA 01545

4. Name and address of mayor or selectmen

MAURICE M DEPALO 42 FLORAL ST SHREWSBURY, MA 01545  
HENRY FITZGERALD 17 HUTCHINS ST SHREWSBURY, MA 01545  
JAMES KANE 32 MAIN CIRCLE SHREWSBURY, MA 01545  
MOIRA MILLER 12 LAMPLIGHTER DR SHREWSBURY, MA 01545  
JOHN T LEBEAUX 203 WALNUT ST SHREWSBURY, MA 01545

5. Name and address of town (or city) treasurer:

CAROLYN MARCOTTE 5 DELLANN CIRCLE MILFORD, MA 01757

6. Name and address of town (or city) clerk:

SANDRA E. WRIGHT 40 GATES RD SHREWSBURY, MA 01545

7. Names and addresses of members of municipal light board:

CLIFFORD JEFFERSON 25 SPRING ST SHREWSBURY, MA 01545  
MICHAEL REFOLO 17 DEERFIELD RD SHREWSBURY, MA 01545  
ROBERT HOLLAND 8 RAYMOND AVE SHREWSBURY, MA 01545  
ANTHONY TRIPPI 145 MAPLE AVE SHREWSBURY, MA 01545  
PATRICIA LYONS-GALLO 40 KEYES HOUSE RD SHREWSBURY, MA 01545

8. Total valuation of estates in town according to last state valuation \$4,771,288,789

9. Tax rates for all purposes during the year: Residential \$11.11 Open Space \$11.11 Commercial \$11.11

10. Amount of manager's salary: \$130,000

11. Amount of manager's bond: \$ 1,000.00

12. Amount of salary paid to members of municipal light board (each) \$200.00

**FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 67 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR ENDING DECEMBER 31, NEXT**

<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	FROM SALES OF GAS.....	\$0
2	FROM SALE OF ELECTRICITY .....	\$33,469,734
3	FROM RATE STABILIZATION FUND.....	
4	<b>TOTAL</b>	<b>\$33,469,734</b>
5	<b>Expenses:</b>	
6	For operation, maintenance and repairs.....	\$30,110,279
7	For interest on bonds, notes or scrip.....	\$34,820
8	For depreciation fund ( 3% on \$51,771,801 as per page 8B ).....	\$1,553,154
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	\$314,000
12	For loss in preceding year.....	
13	<b>TOTAL</b>	<b>\$32,012,253</b>
14		
15	<b>Cost:</b>	
16	Of gas to be used for municipal buildings.....	
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	\$1,433,590
19	Of electricity to be used for street lights.....	\$180,632
20	Total of the above items to be included in the tax levy.....	
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$0
		<b>\$1,614,222</b>

**CUSTOMERS**

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers'
		SHREWSBURY	15,323
		<b>TOTAL</b>	<b>15,323</b>

**APPROPRIATIONS SINCE BEGINNING OF YEAR**

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

**FOR CONSTRUCTION OR PURCHASE OF PLANT:**

* At	meeting	19	, to be paid from {	\$	_____
* At	meeting	19	, to be paid from {	\$	_____

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

1. Street Lights.....	\$	\$180,632
2. Municipal Buildings.....		\$1,433,590
	\$ \$	<u>1,614,222</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. Replaced underground conductors for circuit ties at the Logan substation.
2. Extended 13-8 KV circuit along route 20 and Centec Boulevard
3. Replaced protective relays at the Johnson substation.
4. Regasket 2 sub-station transformers.
5. Conversion of part of 4KV circuit to 13.8KV.
6. Install power factor correction capacitors and controllers on distribution circuits

In gas property:

		<b>BONDS</b>						
		(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	
			Amounts	When Payable				
March 15, 1908	August 1, 1908	\$16,000						
May 2, 1908	June 12, 1908	\$9,000						
March 1, 1909	November 2, 1909	\$1,000						
August 26, 1910	September 12, 1910	\$1,300						
May 26, 1977	January 15, 1978	\$200,000						
June 27, 1977	June 30, 1983	\$200,000						
March 24, 1969	October 1, 1969	\$450,000						
May 11, 1970	November 15, 1970	\$450,000						
May 21, 1973	November 1, 1973	\$750,000						
May 28, 1974	November 1, 1974	\$300,000						
May 20, 1985	April 1, 1986	\$350,000						
May 16, 1988	April 28, 1978	\$500,000						
May 15, 1995	February 15, 1996	\$1,000,000						
May 21, 2001	August 15, 2001	\$1,760,000	\$110,000	2001-2017	4.20%	SEMI ANNUALLY	\$649,000	
February 1, 2005	February 15, 2005	\$379,400	\$74,650	2006-2010	3.60%	SEMI ANNUALLY	\$0	
February 15, 2008	February 20, 2008	\$1,000,000	\$200,000	2009-2013	3.00%	SEMI ANNUALLY	\$400,000	
<b>Total</b>		<b>\$7,366,700</b>	<b>\$384,650</b>				<b>\$1,049,000</b>	

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

TOWN NOTES (ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING)									
When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		When Payable	Amount of Outstanding at End of Year	
			Amounts	When Payable	Rate	When Payable			
OCT 18, 2005	SEP 15, 2006	\$1,000,000	\$1,000,000	SEP 14, 2007	4%	AT MATURITY			
	SEP 14, 2007	\$1,000,000	\$1,000,000	NOV 21, 2007	3.9%	AT MATURITY			
	NOV 21, 2007	\$1,000,000	\$1,000,000	FEB 21, 2008	3.75%	AT MATURITY			
TOTAL			\$3,000,000						\$0

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bonds and notes are repaid, report the first three columns only.

**TOTAL COST OF PLANT - ELECTRIC**

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>1. INTANGIBLE PLANT</b>						
2							
3							
4							
5	<b>2. PRODUCTION PLANT</b>						
6	A. Steam Production						
7	310 Land and Land Rights.....	\$0	\$0	\$0	\$0	\$0	\$0
8	311 Structures and Improvements.....	\$0	\$0	\$0	\$0	\$0	\$0
9	312 Boiler Plant Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
10	313 Engines and Engine Driven Generators.....	\$0	\$0	\$0	\$0	\$0	\$0
11	314 Turbogenerator Units.....	\$0	\$0	\$0	\$0	\$0	\$0
12	315 Accessory Electric Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
13	316 Miscellaneous Power Plant Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
14	Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
15	<b>Total Steam Production Plant.....</b>	\$0	\$0	\$0	\$0	\$0	\$0
16	B. Nuclear Production Plant						
17	320 Land and Land Rights.....	\$0	\$0	\$0	\$0	\$0	\$0
18	321 Structures and Improvements.....	\$0	\$0	\$0	\$0	\$0	\$0
19	322 Reactor Plant Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
20	323 Turbogenerator Units.....	\$0	\$0	\$0	\$0	\$0	\$0
21	324 Accessory Electric Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
22	325 Miscellaneous Power Plant Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
23	<b>Total Nuclear Production Plant....</b>	\$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						
2	330 Land and Land Rights.....	\$0	\$0	\$0	\$0	\$0	\$0
3	331 Structures and Improvements....	\$0	\$0	\$0	\$0	\$0	\$0
4	332 Reservoirs, Dams and Waterways	\$0	\$0	\$0	\$0	\$0	\$0
5	333 Water wheels, Turbines and Generators.....	\$0	\$0	\$0	\$0	\$0	\$0
6	334 Accessory Electric Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
7	335 Miscellaneous Power Plant Equipment.....	\$0	\$0	\$0	\$0	\$0	\$0
8	336 Roads, Railroads and Bridges....	\$0	\$0	\$0	\$0	\$0	\$0
9	Total Hydraulic Production Plant	\$0					
10	D. Other Production Plant						
11	340 Land and Land Rights.....	\$4,737	\$0	\$0	\$0	\$0	\$4,737
12	341 Structures and Improvements....	\$38,712	\$683	\$0	\$0	\$0	\$39,395
13	342 Fuel Holders, Producers and Accessories.....	\$368,619	\$0	\$0	\$0	\$0	\$368,619
14	343 Prime Movers	\$1,466,885	\$0	\$0	\$0	\$0	\$1,466,885
15	344 Generators.....	\$452,916	\$0	\$0	\$0	\$0	\$452,916
16	345 Accessory Electric Equipment.....	\$1,506,363	\$0	\$0	\$0	\$0	\$1,506,363
17	346 Miscellaneous Power Plant Equipment.....	\$2,164	\$0	\$0	\$0	\$0	\$2,164
18	Total Other Production Plant	\$3,840,396	\$683	\$0	\$0	\$0	\$3,841,079
19	Total Production Plant	\$3,840,396	\$683	\$0	\$0	\$0	\$3,841,079
20	3. Transmission Plant						
21	350 Land and Land Rights.....	\$71,012	\$0	\$0	\$0	\$0	\$71,012
22	351 Clearing Land and Rights of Way	\$14,871	\$0	\$0	\$0	\$0	\$14,871
23	352 Structures and Improvements....	\$98,870	\$0	\$0	\$0	\$0	\$98,870
24	353 Station Equipment.....	\$988,712	\$0	\$0	\$0	\$0	\$988,712
25	354 Towers and Fixtures.....	\$0	\$0	\$0	\$0	\$0	\$0
26	355 Poles and Fixtures.....	\$0	\$0	\$0	\$0	\$0	\$0
27	356 Overhead Conductors and Devices...	\$0	\$0	\$0	\$0	\$0	\$0
28	357 Underground Conductors.....	\$1,840,642	\$0	\$0	\$0	\$0	\$1,840,642
29	358 Underground Conductors and Devices	\$871,610	\$0	\$0	\$0	\$0	\$871,610
30	359 Roads and Trails.....	\$0	\$0	\$0	\$0	\$0	\$0
31	Total Transmission Plant	\$3,885,717	\$0	\$0	\$0	\$0	\$3,885,717





**COMPARATIVE BALANCE SHEET Assets and Other Debits**

Line No.	Title of Account  (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant -Electric.....	\$22,733,787	\$22,139,775	(\$594,012)
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....	\$30,438	\$25,452	(\$4,986)
5	<b>Total Utility Plant.....</b>	<b>\$22,764,225</b>	<b>\$22,165,227</b>	<b>(\$598,998)</b>
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds.....	\$0	\$0	\$0
13	126 Depreciation Fund (P. 14).....	\$3,208,078	\$3,256,531	\$48,453
14	128 Other Special Funds.....	\$7,429,959	\$7,500,415	\$70,456
15	<b>Total Funds.....</b>	<b>\$10,638,037</b>	<b>\$10,756,946</b>	<b>\$118,909</b>
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14).....	\$5,960,649	\$6,327,284	\$366,635
18	132 Special Deposits.....			
19	132 Working Funds.....	\$500	\$500	\$0
20	141 Notes and Receivables.....			\$0
21	142 Customer Accounts Receivable.....	\$1,887,799	\$2,437,284	\$549,485
22	143 Other Accounts Receivable.....	\$956,689	\$970,865	\$14,176
23	146 Receivables from Municipality.....			\$0
24	151 Materials and Supplies (P. 14).....	\$165,034	\$162,190	(\$2,844)
25				\$0
26	165 Prepayments.....	\$3,531,020	\$3,622,367	\$91,347
27	174 Miscellaneous Current Assets			\$0
28	<b>Total Current and Accrued Assets...</b>	<b>\$12,501,691</b>	<b>\$13,520,480</b>	<b>\$1,018,799</b>
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount.....	\$28,253	\$5,615	(\$22,638)
31	182 Extraordinary Property Debits.....			\$0
32	185 Other Deferred Debits.....			\$0
33	<b>Total Deferred Debits.....</b>	<b>\$28,253</b>	<b>\$5,615</b>	<b>(\$22,638)</b>
34				
35	<b>Total Assets and Other Debits.....</b>	<b>\$45,932,206</b>	<b>\$46,448,278</b>	<b>\$516,072</b>

## COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction.....			
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayment.....			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	\$34,036,389	\$35,398,674	\$1,362,185
8	<b>Total Surplus.....</b>	<b>\$34,036,389</b>	<b>\$35,398,674</b>	<b>\$1,362,185</b>
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P. 6).....	\$1,359,000	\$1,049,000	(\$310,000)
11	231 Notes Payable (P 7).....	\$0	\$0	\$0
12	<b>Total Bonds and Notes.....</b>	<b>\$1,359,000</b>	<b>\$1,049,000</b>	<b>\$811,850</b>
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable.....	\$2,532,795	\$2,597,018	\$64,223
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....			
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....	\$18,495	\$14,183	(\$4,312)
19	242 Miscellaneous Current and Accrued Liabilities	\$7,429,959	\$7,500,415	\$70,456
20	<b>Total Current and Accrued Liabilities...</b>	<b>\$9,981,249</b>	<b>\$10,111,616</b>	<b>\$130,367</b>
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt.....	\$70,019	\$59,364	(\$10,655)
23	252 Customer Advance for Construction.....			
24	253 Other Deferred Credits.....			
25	<b>Total Deferred Credits</b>	<b>\$70,019</b>	<b>\$59,364</b>	<b>(\$10,655)</b>
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectable Accounts.....	\$140,000	\$140,000	\$0
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....	\$345,549	(\$310,276)	(\$655,825)
31	265 Miscellaneous Operating Reserves.....			
32	<b>Total Reserves.....</b>	<b>\$485,549</b>	<b>(\$170,276)</b>	<b>(\$655,825)</b>
33	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271 Contributions in Aid of Construction.....			
35	<b>Total Liabilities and Other Credits</b>	<b>\$45,932,206</b>	<b>\$46,448,278</b>	<b>\$516,072</b>

State below if any earnings of the Municipal Lighting Plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

Annual Report of SHREWSBURY		Year Ended December 31, 2011	
STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenue (P. 37 and P. 43) .....	33,223,255	882,679
3	<b>Operating Expenses:</b>		
4	401 Operation Expense (P.42).....	28,846,359	498,386
5	402 Maintenance Expense (P. 42).....	1,363,399	15,797
6	403 Depreciation Expense .....	1,526,083	30,578
7	407 Amortization of Property Losses.....	0	0
8			
9	408 Taxes (P. 48).....		
10	<b>Total Operating Expenses</b> .....	<b>31,735,841</b>	<b>542,761</b>
11	Operating Income.....		
12	414 Other Utility Operating Income (P.50).....	0	0
13			
14	<b>Total Operating Income</b> .....	<b>1,487,414</b>	<b>339,918</b>
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	33,733	(84,876)
17	419 Interest Income.....	93,866	6,961
18	421 Miscellaneous Income.....	0	(200)
19	<b>Total Other Income</b> .....	<b>127,599</b>	<b>(78,114)</b>
20	<b>Total Income</b> .....	<b>1,616,013</b>	<b>261,804</b>
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization.....	0	0
23	426 Other Income Deductions.....	0	0
24	<b>Total Income Deductions</b> .....	<b>0</b>	<b>0</b>
25	<b>Income before Interest Charges</b> .....	<b>1,616,013</b>	<b>261,804</b>
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes.....	62,633	(17,835)
28	428 Amortization of Debt Discount and Expense.....	2,013	75
29	429 Amortization of Premium on Debt.....	(10,655)	(9,949)
30	431 Other Interest Expense.....		
31	432 Interest Charged to Construction-Credit.....		
32	<b>Total Interest Charges</b>	<b>53,991</b>	<b>(27,709)</b>
33	<b>Net Income</b> .....	<b>1,561,022</b>	<b>289,513</b>
<b>EARNED SURPLUS</b>			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		34,036,389
35			
36			
37	433 Balance transferred from Income.....		1,561,022
38	434 Miscellaneous Credits to Surplus.....		
39	435 Miscellaneous Debits to Surplus.....	0	
40	436 Appropriations of Surplus (P.21).....	198,837	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	35,398,574	
43			
44	<b>TOTALS</b>	<b>35,697,411</b>	<b>36,697,411</b>

CASH BALANCES AT END OF YEAR (Account 131)		
Line No.	Items (a)	Amount (b)
1	Operation Fund.....	\$ 5,215,814
2	Interest Fund.....	\$ -
3	Bond Fund.....	\$ -
4	Construction Fund.....	\$ 1,111,670
5		
6		
7		
8		
9		
10		
11		
12	<b>TOTAL</b>	<b>\$ 6,327,284</b>

**MATERIALS AND SUPPLIES (Account 151-169, 163 )  
Summary per Balance Sheet**

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 18).....	\$108,019	
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	\$54,171	
17	Merchandise (Account 155).....		
18	Other Materials and Supplies (Account 156).....		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)		
21	Nuclear Byproduct Materials (Account 159).....		
22	Stores Expense (Account 163).....		
23	<b>Total per Balance Sheet</b>	<b>\$162,180</b>	

**Depreciation Fund Account (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of Account at Beginning of Year.....	\$3,208,078
26	Income During Year from Balance on Deposit.....	\$48,453
27	Amount Transferred from Income.....	
28	<b>TOTAL</b>	<b>\$3,256,531</b>
29		
30	<b>CREDITS</b>	
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)	
32	Amounts Expended for Renewals.....	
33	Adjustment	
34		
35		
36		
37		
38		
39	Balance on Hand at End of Year.....	
40	<b>TOTAL</b>	<b>\$3,256,531</b>

**UTILITY PLANT – ELECTRIC**

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4							
5							
6	2. PRODUCTION PLANT						
7	A. Steam Production						
8	310 Land and Land Rights						
9	311 Structures and Improvements						
10	312 Boiler Plant Equipment						
11	313 Engines and Engine Driven Generators						
12	314 Turbogenerator Units						
13	315 Accessory Electric Equipment						
14	316 Miscellaneous Power Plant Equipment						
15	Total Steam Production Plant						
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant						

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.....	0	0	0			0
3	331 Structures and Improvements.....	0	0	0			0
4	332 Reservoirs, Dams and Waterways	0	0	0			0
5	333 Water Wheels, Turbines and Generators.....	0	0	0			0
6	334 Accessory Electric Equipment.....	0	0	0			0
7	335 Miscellaneous Power Plant Equipment.....	0	0	0			0
8	336 Roads, Railroads and Bridges.....	0	0	0			0
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights.....	4,737	0	0			4,737
12	341 Structures and Improvements.....	0	683	0			683
13	342 Fuel Holders, Producers and Accessories.....	266,516	0	9,215			257,301
14	343 Prime Movers.....	202,714	0	36,672			166,042
15	344 Generators	241,089	0	11,322			229,767
16	345 Accessory Electric Equipment.....	223,330	0	37,659			185,671
17	346 Miscellaneous Power Plant Equipment.....	0	0	0			0
-	Total Other Production Plant	938,386	683	94,868	0	0	844,201
19	Total Production Plant	938,386	683	94,868	0	0	844,201
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	71,012	0	0			71,012
22	351 Clearing Land and Rights of Way..	14,871	0	0			14,871
23	352 Structures and Improvements..	0	0	0			0
24	353 Station Equipment.....	86,783	0	29,661			57,122
25	354 Towers and Fixtures	0	0	0			0
26	355 Poles and Fixtures.....	0	0	0			0
27	356 Overhead Conductors and Device..	0	0	0			0
28	357 Underground Conductors.....	1,211,435	0	46,016		0	1,165,419
29	358 Underground Conductors and Devices	0	0	0			0
30	359 Roads and Trails.....	0	0	0			0
31	Total Transmission Plant	1,384,101	0	75,677	0	0	1,308,424

## 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.....	48,672	0	0	0	0	48,672
3	361 Structures and Improvements.....	411,282	41,932	19,210	0	0	434,004
4	362 Station Equipment.....	4,741,526	158,536	260,983	0	0	4,639,079
5	363 Storage Battery Equipment.....	12,908	0	648	0	0	12,260
6	364 Poles and Fixtures.....	1,077,827	46,742	80,693	0	0	1,043,876
7	365 Overhead Conductors and Devices...	2,778,324	272,941	123,162	0	0	2,928,103
8	366 Underground Conductors.....	311,652	0	35,005	0	0	276,647
9	367 Underground Conductors and Devices	1,468,219	77,990	70,865	0	0	1,475,344
10	368 Line Transformers.....	1,772,153	85,722	102,716	0	0	1,755,159
11	369 Services.....	701,491	43,002	37,847	0	0	706,646
12	370 Meters.....	1,324,596	32,232	54,967	0	0	1,301,861
13	371 Installation on Cust's Premises....	562,791	0	34,851	0	0	527,940
14	372 Leased Prop. on Cust's Premises....	637,887	14,122	35,495	0	0	616,514
15	373 Street Light and Signal Systems....						
16	Total Distribution Plant	15,849,328	773,219	856,442	0	0	15,766,105
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....						
19	390 Structures and Improvements.....	1,535,491	0	93,434	0	0	1,442,057
20	391 Office Furniture and Equipment....	1,691,029	63,052	81,988	0	0	1,672,093
21	392 Transportation Equipment.....	251,755	75,536	279,326	0	0	47,965
22	393 Stores Equipment.....	0	0	0	0	0	0
23	394 Tools, Shop and Garage Equipment...	13,350	0	1,693	0	0	11,657
24	395 Laboratory Equipment.....	0	0	0	0	0	0
25	396 Power Operated Equipment.....	0	0	0	0	0	0
26	397 Communication Equipment.....	1,057,140	14,606	41,967	0	0	1,029,779
27	398 Miscellaneous Equipment.....	6,078	0	688	0	0	5,390
28	399 Other Tangible Property.....	0	0	0	0	0	0
29	Total General Plant	4,554,843	153,194	499,096	0	0	4,208,941
30	Total Electric Plant in Service	22,726,658	927,096	1,526,083	0	0	22,127,671
31	104 Utility Plant leased to Others.....	0	0	0	0	0	0
32	105 Property Held for Future Use.....	0	0	0	0	0	0
33	107 Construction Work in Progress.....	7,129	4,975	0	0	0	12,104
34	108 Accumulated Depreciation	0	0	0	0	0	0
35	Total Utility Electric Plant	22,733,787	932,071	1,526,083	0	0	22,139,775



**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			Cost (f)
			Quantity (c)	Cost (d)	Quantity (e)	
1	On Hand Beginning of year	79,605	35,542	77,283	413	2,322
2	Received During Year	130,246	40,001	130,246	0	0
3	<b>TOTAL</b>	<b>209,851</b>	<b>75,543</b>	<b>207,529</b>	<b>413</b>	<b>2,322</b>
4						
5	Used During Year (Note A)	101,832	41,018	101,832	0	0
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	<b>TOTAL DISPOSED OF</b>	<b>101,832</b>	<b>41,018</b>	<b>101,832</b>	<b>0</b>	<b>0</b>
13	<b>BALANCE END OF YEAR</b>	<b>108,019</b>	<b>34,525</b>	<b>105,697</b>	<b>413</b>	<b>2,322</b>

Line No.	Item (g)	Kinds of Fuel and Oil -- Continued			Cost (k)
		Quantity (h)	Cost (i)	Quantity (j)	
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

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		Year Ended December 31, 2011
<b>MISCELLANEOUS NON-OPERATING INCOME (Account 421)</b>		
Line No.	Item (a)	Amount (b)
1	Interest Income	93,866
2		
3		
4		
5		
6	TOTAL	93,866
<b>OTHER INCOME DEDUCTIONS (Account 426)</b>		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0
<b>MISCELLANEOUS CREDITS TO SURPLUS (Account 434)</b>		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0
<b>MISCELLANEOUS DEBITS TO SURPLUS (Account 435)</b>		
Line No.	Item (a)	Amount (b)
24		
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	0
<b>APPROPRIATIONS OF SURPLUS (Account 436)</b>		
Line No.	Item (a)	Amount (b)
33	PAYMENT IN LIEU OF TAXES	198,837
34		
35		
36		
37		
38		
39		
40	TOTAL	198,837

MUNICIPAL REVENUES (Accounts 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 M.C.F. [\$0.0000] (d)	
1						
2						
3						
4		TOTALS				
Line No.		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. [cents] [\$0.0000] (d)	
5						
6	444	Municipal: (Other Than Street Lighting)	11,791,656	\$1,299,116	0.1102	
7						
8						
9		Street Lighting	1,555,645	\$165,519	0.1064	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19		TOTALS	13,347,301	\$1,464,635	0.2166	
PURCHASED POWER (Account 656)						
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 K.W.H. cents [0.0000] (e)
20		MMWEC	RAS 115 KV	305,091,060	\$22,074,254	0.0724
21						
22						
23						
24						
25						
26						
27						
28						
29		TOTALS		305,091,060	22,074,254	0.0724
SALES FOR RESALE (Account 447)						
Line No.		Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (c)	Revenues per K.W.H. [cents] [0.0000] (e)
30						
31						
32						
33						
34						
35						
36						
37						
38						
39		TOTALS				

**ELECTRIC OPERATING REVENUES (Account 400)**

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.  
 2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.  
 3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.  
 5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and 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 of demand. 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.....	\$16,427,508	\$573,941	137,834,435	725,328	14,090	58	
3	442 Commercial and Industrial Sales:							
4	Small (or Commercial) see instr. 5.....	\$4,802,197	\$147,068	36,986,480	(120,522)	1,051	14	
5	Large (or Industrial) see instr. 5.....	\$10,176,780	\$90,788	102,788,522	(2,430,299)	68	1	
6	444 Municipal Sales (P-22)	\$1,299,116	\$80,350	11,791,656	266,807	100	0	
7	445 Other Sales to Public Authorities.....	\$165,519	\$3,011	1,555,645	3,474	1	0	
8	446 Sales to Railroads and Railways.....							
9	448 Interdepartmental Sales.....	\$157,084	(\$8,047)	1,522,607	(69,465)	401	1	
10	449 Miscellaneous Electric Sales.....	\$33,028,204	\$887,111	292,479,345	(1,624,677)	15,711	73	
11	Total Sales to Ultimate Consumers.....							
12	447 Sales for Resale.....	\$33,028,204	\$887,111	292,479,345	(1,624,677)	15,711	73	
13	Total Sales of Electricity*.....							
14	OTHER OPERATING REVENUES							
15	450 Forfeited Discounts.....	\$0						
16	451 Miscellaneous Service Revenues.....	\$26,738	(\$3,134)					
17	453 Sales of Water and Water Power.....	\$0						
18	454 Rent from Electric Property.....	\$0						
19	455 Interdepartmental Rents.....	\$0						
20	456 Other Electric Revenues.....	\$168,313	(\$1,298)					
21								
22	Miscellaneous Adjustments to Sales							
23								
24	Total Other Operating Revenues.....	\$195,051	(\$4,432)					
25	Total Electric Operating Revenues.....	\$33,223,255	\$882,679					
26								

\*Includes revenues from application of fuel clauses

Total KWH to which applied

N/A

N/A

## 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 and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (per Bills Rendered)	
						July 31 (e)	December 31 (f)
1	440	RESIDENTIAL	137,834,435	\$16,427,508	0.1192	14,081	14,099
2							
3							
4							
5	442	COMMERCIAL	38,986,480	\$4,802,197	0.1298	1,041	1,060
6							
7		GENERAL SERVICE	102,788,522	\$10,176,780	0.0990	67	68
8							
9							
10	444	STREET LIGHT	1,555,845	\$165,519	0.1064	1	1
11							
12		MUNICIPAL	11,791,656	\$1,299,116	0.1102	103	96
13							
14		PROTECTIVE LIGHT	1,522,607	\$157,084	0.1032	402	399
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE CONSUMERS		292,478,345	\$33,028,204	0.1129	15,695	15,723
49	( Page 37 Line 11 )						

**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 divided from previously reported figures explain in footnote.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSE</b>		
2	<b>STEAM POWER GENERATION</b>		
3	<b>Operation:</b>		
4	500 Operation supervision and engineering.....		
5	501 Fuel.....		
6	502 Steam expense.....		
7	503 Steam from other sources.....		
8	504 Steam transferred – Cr.....		
9	505 Electric expenses.....		
10	506 Miscellaneous steam power expenses.....		
11	507 Rents.....		
12	<b>Total Operation</b>		
13	<b>Maintenance:</b>		
14	510 Maintenance supervision and engineering.....		
15	511 Maintenance of structures.....		
16	512 Maintenance of boiler plant.....		
17	513 Maintenance of electric plant.....		
18	514 Maintenance of miscellaneous steam plant.....		
19	<b>Total Maintenance</b>		
20	<b>Total power production expenses -- steam power</b>		
21	<b>NUCLEAR POWER GENERATION</b>		
22	<b>Operation:</b>		
23	517 Operation supervision and engineering.....		
24	518 Fuel.....		
25	519 Coolants and water.....		
26	520 Steam expense.....		
27	521 Steam from other sources.....		
28	522 Steam transferred -- Cr.....		
29	523 Electric expenses.....		
30	524 Miscellaneous nuclear power expenses.....		
31	525 Rents.....		
32	<b>Total Operation</b>		
33	<b>Maintenance:</b>		
34	528 Maintenance supervision and engineering.....		
35	529 Maintenance of structures.....		
36	530 Maintenance of reactor plant equipment.....		
37	531 Maintenance of electric plant.....		
38	532 Maintenance of miscellaneous nuclear plant.....		
39	<b>Total Maintenance</b>		
40	<b>Total power production expenses -- nuclear power</b>		
41	<b>HYDRAULIC POWER GENERATION</b>		
42	<b>Operation:</b>		
43	535 Operation supervision and engineering.....		
44	536 Water for power.....		
45	537 Hydraulic expenses.....		
46	538 Electric expenses.....		
47	539 Miscellaneous hydraulic power generation expenses.....		
48	540 Rents.....		
49	<b>Total Operation</b>		

(continued on page 40)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>HYDRAULIC POWER GENERATION - CONTINUED</b>		
2	<b>Maintenance:</b>		
3	541 Maintenance Supervision and Engineering.....	0	0
4	542 Maintenance of Structures.....	0	0
5	543 Maintenance of Reservoirs, Dams and Waterways.....	0	0
6	544 Maintenance of Electric Plant.....	0	0
7	545 Maintenance of Miscellaneous Hydraulic Plant.....	0	0
8	<b>Total Maintenance</b>		
9	<b>Total Power Production Expenses - Hydraulic Power</b>		
10	<b>OTHER POWER GENERATION</b>		
11	<b>Operation:</b>		
12	546 Operation Supervision and Engineering.....	0	0
13	547 Fuel.....	101,832	23,950
14	548 Operation Expenses.....	25,309	(16,737)
15	549 Miscellaneous Other Power Generation Expenses.....	0	0
16	550 Rents.....	0	0
17	<b>Total Operation</b>	<b>127,141</b>	<b>7,213</b>
18	<b>Maintenance:</b>		
19	551 Maintenance Supervision and Engineering.....	0	0
20	552 Maintenance of Structure.....	0	0
21	553 Maintenance of Generating and Electric Plant.....	61,482	21,281
22	554 Maintenance of Miscellaneous Other Power Generation Plant	0	0
23	<b>Total Maintenance</b>	<b>61,482</b>	<b>21,281</b>
24	<b>Total Power Production Expenses - Other Power</b>	<b>188,633</b>	<b>28,474</b>
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power.....	22,074,254	25,574
27	556 System Control and Load Dispatching.....	0	0
28	557 Other Expenses.....	323,162	(784)
29	<b>Total Other Power Supply Expenses</b>	<b>22,397,416</b>	<b>24,790</b>
30	<b>Total Power Production Expenses</b>	<b>22,686,049</b>	<b>63,264</b>
31	<b>TRANSMISSION EXPENSES</b>		
32	<b>Operation:</b>		
33	560 Operation Supervision and Engineering.....	0	0
34	561 Load Dispatching.....	0	0
35	562 Station Expenses.....	0	0
36	563 Overhead Line Expenses.....	0	0
37	564 Underground Line Expenses.....	0	0
38	565 Transmission of Electricity by Others.....	3,436,592	243,591
39	566 Miscellaneous Transmission Expenses.....	0	0
40	567 Rents.....	0	0
41	<b>Total Operation</b>	<b>3,436,592</b>	<b>243,591</b>
42	<b>Maintenance:</b>		
43	568 Maintenance Supervision and Engineering.....	0	0
44	569 Maintenance of Structures.....	0	0
45	570 Maintenance of Station Equipment.....	0	0
46	571 Maintenance of Overhead Lines.....	0	0
47	572 Maintenance of Underground Lines.....	0	0
48	573 Maintenance of Miscellaneous Transmission Plant.....	0	0
49	<b>Total Maintenance</b>	<b>0</b>	<b>0</b>
50	<b>Total Transmission Expenses</b>	<b>3,436,592</b>	<b>243,591</b>

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ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	<b>Operation:</b>		
3	580 Operation Supervision and Engineering.....	98,139	6,646
4	581 Load Dispatching.....	0	0
5	582 Station Expenses.....	1,450	(865)
6	583 Overhead Line Expenses.....	37,468	(190)
7	584 Underground Line Expenses.....	0	0
8	585 Street Lighting and Signal System Expenses.....	0	0
9	586 Meter Expenses.....	34,183	(4,846)
10	587 Customer Installations Expenses.....	32,259	(17,719)
11	588 Miscellaneous Distribution Expenses.....	98,777	1,553
12	589 Rents.....	0	0
13	<b>Total Operation</b>	<b>302,286</b>	<b>(15,421)</b>
14	<b>Maintenance:</b>		
15	590 Maintenance supervision and engineering.....	52,367	1,423
16	591 Maintenance of Structures.....	70,103	24,368
17	592 Maintenance of Station Equipment.....	142,285	(59,129)
18	593 Maintenance of Overhead Lines.....	682,964	7,340
19	594 Maintenance of Underground Lines.....	85,353	(5,757)
20	595 Maintenance of Line Transformers.....	21,497	10,777
21	596 Maintenance of Street Lighting and Signal Systems....	71,609	(9,187)
22	597 Maintenance of Meters.....	0	0
23	598 Maintenance of Miscellaneous Distribution Plant.....	0	0
24	<b>Total Maintenance</b>	<b>1,126,078</b>	<b>(30,145)</b>
25	<b>Total Distribution Expenses</b>	<b>1,428,364</b>	<b>(45,566)</b>
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	<b>Operation:</b>		
28	901 Supervision.....	0	0
29	902 Meter Reading Expenses.....	39,662	2,423
30	903 Customer Records and Collection Expenses.....	364,965	20,205
31	904 Uncollectable Accounts.....	109,601	(38,709)
32	905 Miscellaneous Customer Accounts Expenses.....	0	0
33	<b>Total Customer Accounts Expenses</b>	<b>514,228</b>	<b>(16,081)</b>
34	<b>SALES EXPENSES</b>		
35	<b>Operation:</b>		
36	911 Supervision.....	0	0
37	912 Demonstrating and Selling Expenses.....	150,751	(52,498)
38	913 Advertising Expenses.....	0	0
39	916 Miscellaneous Sales Expense.....	0	0
40	<b>Total Sales Expenses</b>	<b>150,751</b>	<b>(52,498)</b>
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	<b>Operation:</b>		
43	920 Administrative and General Salaries.....	368,028	53,608
44	921 Office Supplies and Expenses.....	184,095	63,407
45	922 Administrative Expenses Transferred - Cr.....	0	0
46	923 Outside Services Employed.....	88,902	16,895
47	924 Property Insurance.....	177,626	658
48	925 Injuries and Damages.....	31,464	4,287
49	926 Employees Pensions and Benefits.....	960,315	138,597
50	928 Regulatory Commission Expenses.....	0	0
51	929 Duplicate Charges - Cr.....	0	0
52	930 Miscellaneous General Expenses.....	107,517	29,140
53	931 Rents.....	0	0
54	<b>Total Operation</b>	<b>1,917,945</b>	<b>304,792</b>



**ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued**

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>ADMINISTRATIVE EXPENSES</b>		
2	Maintenance:		
3	932 Maintenance of General Plant.....	175,829	24,681
4	933 Transportation expense.....		
5	Total Maintenance	<u>175,829</u>	<u>24,681</u>
6	Total Administrative and General Expenses	<u>2,093,774</u>	<u>329,473</u>
7	Total Electric Operation and Maintenance Expenses	<u>30,209,758</u>	<u>512,183</u>

**SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power.....			
11	Nuclear Power.....			
12	Hydraulic Power.....			
13	Other Power.....			0
14	Other Power Supply Expenses.....			0
15	Total Power Production Expenses	0	0	0
16	Transmission Expenses.....			0
17	Distribution Expenses.....			0
18	Customer Accounts Expenses.....			0
19	Sales Expenses.....			0
20	Administrative and General Expenses.....			0
21	Power Production Expenses			0
22	Total Electric Operation and Maintenance Expenses	0	0	0

23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00% )  
 Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42, Line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)..... 95.40%

24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts..... 2,693,013

25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) 33

**TAXES CHARGED DURING YEAR**

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.

2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts.

3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal," "State," and "Local" in such manner that the total tax for each State and for all subdivisions can readily be ascertained.

4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of appropriate balance sheet plant account or subaccount.

5. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis or apportioning such tax.

6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Distribution of Taxes Charged (omit cents) (Show utility department where applicable and account charged)					(i)	(j)
			Electric (Acct. 408, 409) (c)	Gas (Acct. 408, 409) (d)	(e)	(f)	(g)		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23	TOTAL								

NOT APPLICABLE

**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 Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16		NOT APPLICABLE			
17					
18					
19					
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22					
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25					
26					
27					
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29					
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31					
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38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	<b>TOTALS</b>	\$0.00	\$0.00	\$0.00	\$0.00

**INCOME FROM MERCHANDISE, JOBBING AND CONTRACT WORK (Account 415)**

Report by utility departments the revenues, costs, expenses, and net income from merchandising, jobbing, and contract work during year.

Line No.	Item (a)	Electric Department (c)	Gas Department (d)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandising sales, less discounts,				
3	allowances and returns.....	\$33,733			\$33,733
4	Contract Work.....				
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	\$33,733	\$0	\$0	\$33,733
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16					
17	Labor				
18	Materials				
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				
27	Customer accounts expenses.....				
28	Administrative and general expenses.....				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	\$0.00	\$0.00	\$0.00	\$0.00
51	Net Profit (or Loss)	\$33,733.00	\$0.00	\$0.00	\$33,733.00

SALES FOR RESALE (Account 447)

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

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

and place 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.

Line No.	Sales to (a)	Statistical Classification (b)	Export Across State Lines (c)	Point of Delivery (d)	Substation (e)	Kw or Kva of Demand (Specify which)		
						Contract Demand (f)	Average Monthly Maximum Demand (g)	Annual Maximum Demand (h)
1								
2								
3								
4								
5								
6								
7								
8								
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10								
11								
12								
13								
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16								
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33								
34								
35								

NOT APPLICABLE





PURCHASED POWER (Account 555) - Continued

(except interchange power)  
 4. If receipt of power is at a substation indicate ownership should be furnished whether or not used in the determination in column (e), thus: respondent owned or leased, RS; seller of demand charges. Show in column (l) type of demand 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 column (g) and (h) should be actual based on monthly readings and  
 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 (l)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 MINUTES	115 kv	282,337	\$109,069	\$41,935		\$151,004	0.5348	1
60 MINUTES	115 kv	5,849,934	\$504,130	\$396,839		\$900,969	0.1540	2
60 MINUTES	115 kv	160,166,735		\$7,770,516		\$7,770,516	0.0485	3
60 MINUTES	115 kv	21,708,426	\$1,934,043	\$121,021	\$9,876	\$2,064,940	0.0951	4
60 MINUTES	115 kv	11,287,678	\$74,734	\$55,535	\$160,322	\$290,591	0.0257	5
60 MINUTES	115 kv	48,128,026	\$4,771,580	\$401,496	\$13,984	\$5,187,060	0.1078	6
					\$6,060	\$6,060	N/A	7
60 MINUTES	115 kv	3,089,480			\$744,243	\$744,243	0.2409	8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
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								28
								29
								30
								31
								32
								33
								34
								35
								36
	TOTALS	250,612,616	\$7,393,556	\$8,787,342	\$934,485	\$17,115,383	0.0661	37



Annual Report of SHREWSBURY

**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

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

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	ISO INTERCHANGE				305,091,060	250,512,616	54,578,444	4,958,871
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	305,091,060	250,512,616	54,578,444	\$4,958,871

**B. Details of Settlement for Interchange Power**

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO INTERCHANGE	INTERCHANGE EXPENSE	\$4,625,003
14		NEPOOL EXPENSE	333,868
15			
16			
17			
18			
19			
20			
21		TOTALS	\$4,958,871

**ELECTRIC ENERGY ACCOUNT**

Report below the information called for concerning the disposition of electric generated, purchased, and interchanged during the year.

Line No.	Item (a)	Kilowatt-hours (b)
<b>SOURCES OF ENERGY</b>		
1	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	532,552
7	Total generation.....	532,552
8	Purchases.....	305,091,060
9	{ In (gross) .....	305,091,060
10	Interchanges..... { Out (gross) .....	250,512,616
11	{ Net (Kwh).....	54,578,444
12	{ Received.....	250,512,616
13	Transmission for/by others (Wh..... { Delivered.....	
14	{ Net (kwh).....	250,512,616
15	<b>TOTAL</b> .....	<b>305,623,612</b>
<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales).....	292,479,345
18	Sales for resale.....	
19	Energy furnished without charge .....	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	1,118,743
22	Energy losses:	
23	Transmission and conversion losses.....	0
24	Distribution losses.....	
25	Unaccounted for losses.....	12,025,524
26	Total energy losses.....	12,025,524
27	Energy losses as percent of total on line 15.....	3.93%
28	<b>TOTAL</b> .....	<b>305,623,612</b>

**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 purchases plus or minus net interchange minus temporary deliveries (not interchange) or 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 minute 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 and physically connected, the information called for below should be furnished for each system.

Shrewsbury System

**Monthly Peak**

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4) (g)
29	JAN	53,397	Mon	24	19:00	60 min	28,792,772
30	FEB	51,350	Tues	1	19:00	"	25,304,510
31	MAR	46,955	Thur	3	19:00	"	25,872,458
32	APR	40,411	Tues	5	21:00	"	22,235,251
33	MAY	49,882	Tues	31	18:00	"	23,285,783
34	JUNE	59,346	Wed	8	17:00	"	25,060,476
35	JULY	66,057	Fri	22	16:00	"	29,893,589
36	AUG	54,590	Mon	8	18:00	"	27,953,734
37	SEPT	48,864	Wed	14	20:00	"	24,408,476
38	OCT	43,006	Sat	29	19:00	"	22,963,254
39	NOV	44,723	Wed	23	18:00	"	23,235,220
40	DEC	49,393	Sun	18	19:00	"	26,618,089
41						<b>TOTAL</b>	<b>305,623,612</b>

**GENERATING STATION STATISTICS (Large Stations)**  
(Except Nuclear, See Instruction 10)

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)  
2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.  
3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.  
5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.  
6. If gas is used and purchased on a term basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.  
7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine)	INTERNAL COMB.		
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	P PLANT FULL OUTDOOR		
3	Year originally constructed	1969		
4	Year last unit was installed	1978		
5	Total installed capacity (maximum generator name plate ratings in kw)	13750		
6	Net peak demand on plant-kilowatts (60 min.)	13,750		
7	Plant hours connected to load	21		
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water	NOT LIMITED		
10	(b) When limited by condenser water			
11	Average number of employees	0		
12	Net generation, exclusive of station use	532,552		
13	Cost of plant (omit cents):			
14	Land and land rights	\$4,737		
15	Structures and improvements	\$38,712		
16	Reservoirs, dams, and waterways			
17	Equipment costs	\$3,796,947		
18	Roads, railroads, and bridges			
19	Total cost	\$3,840,396	\$0	\$0
20	Cost per kw of installed capacity	\$279	#DIV/0!	#DIV/0!
21	Production expenses:			
22	Operation supervision and engineering	25,309		
23	Station labor			
24	Fuel	101,832		
25	Supplies and expenses, including water			
26	Maintenance	61,492		
27	Rents			
28	Steam from other sources			
29	Steam transferred -- Credit			
30	Total production expenses	188,633	\$0.00	\$0.00
31	Expenses per net Kwh (5 places)	0.3542	#DIV/0!	#DIV/0!
32	Fuel: Kind		Oil	Oil
33	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)	OIL	Barrels	
34	Quantity (units) of fuel consumed			
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)	138,000 PER GAL		
36	Average cost of fuel per unit, del. f.o.b. plant		Per Barrel	
37	Average cost of fuel per unit consumed		Per Barrel	
38	Average cost of fuel consumed per million B.t.u.		Per Barrel	
39	Average cost of fuel consumed per kwh net gen.			
40	Average B.t.u. per kwh net generation		BTU Per kWh	
41				
42				

**GENERATING STATION STATISTICS (Large Stations) – Continued**  
(Except Nuclear, See Instruction 10)

547 as shown on Line 24

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

operations with a conventional steam unit, the gas turbine should be included with the steam station.

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
						1
						2
						3
						4
						5
						6
			NOT APPLICABLE			7
						8
						9
						10
						11
						12
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						18
						19
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						40
						41
						42

**STEAM GENERATING STATIONS**

1. Report the information called for concerning generating stations and equipment at end of year.  
 2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.  
 3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of

lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1				NOT APPLICABLE			
2							
3							
4							
5							
6							
7							
8							
9							
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11							
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37							

Note Reference:

\* Indicates reheat boilers thusly, 1050/1000.

STEAM GENERATING STATIONS -- Continued

expenses to revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.  
4. Designate any generating station or portion thereof leased to another company and give name or lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Turbine-Generators\*

Year Installed (h)	Type (l)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
				NOT APPLICABLE							1
											2
											3
											4
											5
											6
											7
											8
											9
											10
											11
											12
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											33
											34
											35
											36
TOTALS											37

Note references:

- \*Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section.
- + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit ( T ), and noncondensing (N.C.). Show back pressures.
- \*\* Designate air cooled generators.
- ++ If other than 3 phase, 60 cycle, indicate other characteristics.
- +\* Shoule agree with column (m).

**HYDROELECTRIC GENERATING STATIONS**

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
4							
5							
6							
7			NOT APPLICABLE				
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9							
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37							

\* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), impulse (I).

HYDROELECTRIC GENERATING STATIONS -- Continued

percent of ownership by respondent, name of co-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels -- Continued			Generators						Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)		
										1
										2
										3
										4
										5
										6
										7
										8
										9
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										39
TOTALS										

NOT APPLICABLE



**COMBUSTION ENGINE AND OTHER GENERATING STATIONS**  
(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.  
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.  
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	PEAKING PLANT	OFF RT 9	DIESEL	ELECTROMOTIVE	1969	2	DIRECT
2							
3							
4	PEAKING PLANT	OFF RT 9	DIESEL	GMC	1975	2	DIRECT
5							
6							
7	PEAKING PLANT	OFF RT 9	DIESEL	GMC	1978	2	DIRECT
8							
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39							

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS -- Continued**

(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.  
 4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.  
 5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers -- Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station (o)		
3600	7200	1969	4160	3 PH	60	2750	2	5500	1
3600	7200	1975	4160	3 PH	60	2750	2	5500	2
3600	7200	1978	4160	3 PH	60	2750	1	2750	3
									4
									5
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TOTALS									39

Annual Report of SHREWSBURY

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW\* and other stations of less than 500 KW\* installed capacity (name plate ratings). (\*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.  
 2. Designate any plant leased from others, operated under a license from the Federal Power Commission, or operated as a joint facility, and give a concise statement of the facts in a footnote.  
 3. List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.  
 4. Specify if total plant capacity is reported in kva instead of kilowatts.  
 5. If peak demand for 60 minutes is not available, give that which is available, specifying period.  
 6. If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

Line No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0.00 (l)
								Labor (h)	Fuel (i)	Other (j)		
1												
2												
3												
4												
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TOTALS												

NOT APPLICABLE

**TRANSMISSION LINE STATISTICS**

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	ROLFE AVE SUB	LOGAN SUB	69 KV	UG	3,000 FT		1	350 MCM AL
2								
3								
4	ROLFE AVE SUB	LOGAN SUB	69 KV	UG	3,000 FT		1	350 MCM AL
5								
6								
7	ROLFE AVE SUB	JOHNSON SUB	69 KV	UG	10,000 FT		1	300 MCM CU
8								
9								
10	ROLFE AVE SUB	JOHNSON SUB	69 KV	UG	10,000 FT		1	300 MCM CU
11								
12								
13								
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47	<b>TOTALS</b>				26,000		4	

\* Where other than 60 cycle, 3 phase, so indicate.

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.

2. Substations which serve but one industrial or street railway customer should not be listed hereunder.

3. Substations with capacities of less than 5000 Kva., except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each sub-station, designating whether transmission or distribution and whether attended or unattended.

5. Show in columns (f), (g), and (k) special equipment such as rotary converters, reflectors, condensers, etc. and auxiliary equipment for increasing capacity.

6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (in Service) (f)	Number Of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number Of Units (j)	Total Capacity (k)
1	ROLFE AVE SUBSTATION	TRANSMISSION UNATTENDED	115 KV	69 KV	13.80 KV	112,000	2				
2											
3											
4											
5	LOGAN SUBSTATION	DISTRIBUTION UNATTENDED	69 KV	13.8 KV	4.6 KV	86,000	2				
6											
7											
8											
9	JOHNSON SUBSTATION	DISTRIBUTION UNATTENDED	13.8 KV	4.16 KV		12,500	2				
10											
11											
12											
13	PEAKING PLANT	POWER SUPPLY UNATTENDED	4.16 KV	13.8 KV		18,750	2				
14											
15											
16											
17	JOHNSON SUBSTATION	DISTRIBUTION UNATTENDED	69 KV	13.8 KV		93,334	2				
18											
19											
20	ROLFE AVE SUB DISTRIBUTION 2002	DISTRIBUTION UNATTENDED	115 KV	13.8 KV		100,000	2				
21											
22											
23											
24											
25											
26											
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32											
<b>TOTALS</b>						224,500	12	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	182.86		182.86
2	Added During Year	2.50		2.50
3	Retired During Year			
4	Miles - End of Year	185.36		185.36
6				
6				
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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.....	13,941	17,122	3,951	189,264
17	Additions during year:				
18	Purchased.....	0	192	27	1,688
19	Installed.....	150	150	54	2,635
20	Associated with utility plant acquired.....				
21	Total additions.....	150	342	81	4,323
22	Reduction during year:				
23	Retirements.....	8	38	21	540
24	Associated with utility plant sold.....				
25	Total reductions.....	8	38	21	540
26	Number at End of Year.....	14,083	17,426	4,011	193,047
27	In Stock.....		1,714	0	0
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....		15,704	4,011	193,047
31	In Companys' Use.....		8	0	0
32	Number at End of Year.....		17,426	4,011	193,047

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 Distribution System (a)	Miles of Conduit Bank (All sizes and Types) (b)	Underground Cable		Submarine Cable
			Miles* (c)	Operating voltage (d)	Feet* (e)
1	5 KV SYSTEM	20.19	28.51	4,160	
2					
3	15 KV SYSTEM	98.52	134.62	13,800	
4					
5					
6					
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<b>TOTALS</b>		118.71	163.13		

\*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	TYPE							
			Metal Halide		Mercury Vapor		Fluorescent		High Press. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	92W	0								
2	100W	673			667				6	
3	175W	260	48		212					
4	400W	91			24				67	
5	70W	1,756	7						1,749	
6	150W	4							4	
7	250W	109							109	
8	LEDS (H)	26								26
9										
10										
11										
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52	<b>TOTALS</b>	<b>2,919</b>	<b>55</b>		<b>903</b>				<b>1,936</b>	



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 revenue predicted on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
		***** SEE ATTACHED WORKSHEETS *****		

# SHREWSBURY ELECTRIC & CABLE OPERATIONS

## ELECTRIC RATE SCHEDULES FOR BILLS ISSUED AFTER SEPTEMBER 1, 2008

Rate	Blocks	Distribution Rate	Transition Rate <sup>1</sup>	Transmission Charge	PASNY Credit <sup>2</sup>	Standard (Generation) Service	Total Price
R-1	Cust. Chge. Per kWh	\$2.90 \$.0170	\$.0726	\$.0051	-\$0.0050	\$.028	\$2.9000 \$0.1177
RWH	Cust. Chge. Per kWh	\$3.40 \$.0142	\$.0630	\$.0054	-\$0.0050	\$.028	\$3.4000 \$0.1056
C	Cust. Chge. Per kWh	\$12.00 \$.0141	\$.0778	\$.0053		\$.028	\$12.0000 \$0.1252
CH	Cust. Chge. Per kWh	\$12.00 \$.0146	\$.0730	\$.0056		\$.028	\$12.0000 \$0.1212
GS-1	Cust. Chge. Per KWh Demand	\$50.00 \$.0109	\$.0489 \$4.15/kW	\$.0049		\$.028	\$50.0000 \$0.0927 \$4.1500
GS-2	Cust. Chge. Per KWh Demand	\$50.00 \$.0109	\$.0489 \$4.15/kW	\$.0049		\$.028	\$50.0000 \$0.0927 \$4.1500
M-1	Cust. Chge. Per KWh	\$2.90 \$.0143	\$.0735	\$.0053		\$.028	\$2.9000 \$0.1211
M-2	Cust. Chge. Per kWh	\$2.90 \$.0144	\$.0663	\$.0056		\$.028	\$2.9000 \$0.1143

<sup>1</sup> Transition rate will change based upon actual power cost.

<sup>2</sup> PASNY credit varies with availability of PASNY power.

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....  
*Mayor*

*Michael Hale*

.....  
*Manager of Electric Light*

MICHAEL HALE

*Clifford Jefferson*

.....  
CLIFFORD JEFFERSON

*Michael A. Refolo*

.....  
MICHAEL REFOLO

*Anthony Trippi*

.....  
ANTHONY TRIPPI

*Patricia Lyons-Gallo*

.....  
PATRICIA LYONS-GALLO

*Robert Holland*

.....  
ROBERT HOLLAND

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board