



**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,**

**2012**

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**

**GENERAL INFORMATION**

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 38 OLDE COLONY DRIVE 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 \$4,783,093,602

9. Tax rate for all purposes during the year: Residential \$11.67 Open Space \$11.67 Commercial \$11.67

10. Amount of manager's salary: \$136,500

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 57 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 .....	\$33,626,977
3	FROM RATE STABILIZATION FUND.....	
4		
	<b>TOTAL</b>	<b>\$33,626,977</b>
5	<b>Expenses:</b>	
6	For operation, maintenance and repairs.....	\$31,218,992
7	For interest on bonds, notes or scrip.....	\$25,400
8	For depreciation fund ( 3% on \$51,771,801 as per page 8B ).....	\$1,590,849
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	\$310,000
12	For loss in preceding year.....	
13		
	<b>TOTAL</b>	<b>\$33,145,241</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.....	\$1,216,535
19	Of electricity to be used for street lights.....	\$165,570
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>\$1,382,105</b>

**CUSTOMERS**

<b>Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each</b>		<b>Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each</b>	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers'
		SHREWSBURY	15,342
		<b>TOTAL</b>	<b>15,342</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.....	\$	\$165,570
2. Municipal Buildings.....		\$1,216,535
	\$ \$	<u>1,382,105</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:

Removed 18 40 foot poles and 3,600 feet of wire on Rte. 20 from Lake St to Rte. 140.

Installed 18 45 foot poles and 3,600 feet of 366kCmil spacer cable on Rte 20 from Lake St to Rte 140.

Installed 3 new 600 amp circuit disconnect switches for circuit ties.

Continue with replacement of protective relays at Johnson substation.

Replaced 4kV capacitor bank.

Installed interconnection to a 2.5MW solar farm.

Re-insulate bus work at substation.

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
			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
February 1, 2005	February 15, 2005	\$379,400				
February 15, 2008	February 20, 2008	\$1,000,000	\$200,000	2009-2013	3.00%	SEMI ANNUALLY
	<b>Total</b>	<b>\$7,366,700</b>	<b>\$310,000</b>			
						<b>\$735,000</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		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	
<b>TOTAL</b>			<b>\$3,000,000</b>				<b>\$0</b>

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.



## Annual Report of SHREWSBURY

8A

Year Ended December 31, 2012

## 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	\$0	\$0	\$0	\$0	\$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.....	\$39,395	\$29,066	\$0	\$0	\$0	\$68,461
13	342 Fuel Holders, Producers and Accessories.....	\$368,619	\$7,129	\$0	\$0	\$0	\$375,748
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	\$3,841,079	\$36,195	\$0	\$0	\$0	\$3,877,274
19	Total Production Plant	\$3,841,079	\$36,195	\$0	\$0	\$0	\$3,877,274
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 Conduits.....	\$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



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)
<b>4. DISTRIBUTION PLANT</b>							
1		\$48,672	\$0	\$0	\$0	\$0	\$48,672
2	360 Land and Land Rights	\$810,352	\$16,672	\$0	\$0	\$0	\$827,024
3	361 Structures and Improvements	\$8,857,992	\$160,108	\$0	\$0	\$0	\$9,008,100
4	362 Station Equipment	\$25,925	\$0	\$0	\$0	\$0	\$25,925
5	363 Storage Battery Equipment	\$3,259,693	\$72,113	\$8,422	\$0	\$0	\$3,323,384
6	364 Poles, Towers and Fixtures	\$5,196,998	\$166,816	\$2,178	\$0	\$0	\$5,361,636
7	365 Overhead Conductors and Devices	\$1,400,229	\$0	\$0	\$0	\$0	\$1,400,229
8	366 Underground Conduits	\$2,912,600	\$185,755	\$0	\$0	\$0	\$3,078,355
9	367 Underground Conductors & Devices	\$4,188,098	\$81,595	\$15,300	\$0	\$0	\$4,254,393
10	368 Line Transformers	\$1,556,914	\$59,782	\$0	\$0	\$0	\$1,616,696
11	369 Services	\$2,230,432	\$31,806	\$560	\$0	\$0	\$2,261,678
12	370 Meters	\$1,394,074	\$0	\$0	\$0	\$0	\$1,394,074
13	371 Installation on Cust's Premises	\$1,433,236	\$71,611	\$690	\$0	\$0	\$1,504,157
15	373 Street Light and Signal Systems						
	Total Distribution Plant	<b>\$33,315,215</b>	<b>\$816,258</b>	<b>\$27,150</b>		<b>\$0</b>	<b>\$34,104,323</b>
<b>5. GENERAL PLANT</b>							
17		\$3,737,382	\$32,162	\$0	\$0	\$0	\$3,769,544
19	390 Structures and Improvements	\$3,342,574	\$196,022	\$0	\$0	\$0	\$3,538,596
20	391 Office Furniture and Equipment	\$1,818,524	\$172,150	\$0	\$0	\$0	\$1,990,674
21	392 Transportation Equipment	\$34,057	\$0	\$0	\$0	\$0	\$34,057
22	393 Stores Equipment	\$67,734	\$0	\$0	\$0	\$0	\$67,734
23	394 Tools, Shop and Garage Equipment	\$42,986	\$0	\$0	\$0	\$0	\$42,986
24	395 Laboratory Equipment	\$44,354	\$0	\$0	\$0	\$0	\$44,354
25	396 Power Operated Equipment	\$1,693,320	\$20,805	\$0	\$0	\$0	\$1,714,125
26	397 Communication Equipment	\$27,545	\$10,064	\$0	\$0	\$0	\$37,609
27	398 Miscellaneous Equipment	\$60,606	\$0	\$0	\$0	\$0	\$60,606
28	399 Other Tangible Property						
29	Total General Plant	<b>\$10,869,082</b>	<b>\$431,203</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,300,285</b>
30		\$51,911,093	\$1,283,656	\$27,150	\$0	\$0	\$53,167,599
<b>TOTAL COST OF PLANT.....</b>							
Less Cost of Land, Land Rights, and Rights of Way							\$139,292
Total Cost upon which depreciation is based							<b>\$53,028,307</b>

The above figures should show the original cost of 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 values, should be taken as a basis for figuring depreciation.

## COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant -Electric.....	\$22,139,775	\$21,997,108	(\$142,667)
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....	\$25,452	\$16,160	(\$9,292)
5	<b>Total Utility Plant.....</b>	<b>\$22,165,227</b>	<b>\$22,013,268</b>	<b>(\$151,959)</b>
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds.....	\$0	\$0	\$0
13	126 Depreciation Fund (P. 14).....	\$3,256,531	\$3,305,716	\$49,185
14	128 Other Special Funds.....	\$7,500,415	\$7,561,948	\$61,533
15	<b>Total Funds.....</b>	<b>\$10,756,946</b>	<b>\$10,867,664</b>	<b>\$110,718</b>
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14).....	\$6,327,284	\$8,144,730	\$1,817,446
18	132 Special Deposits.....			
19	132 Working Funds.....	\$500	\$500	\$0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	\$2,437,284	\$1,412,970	(\$1,024,314)
22	143 Other Accounts Receivable.....	\$970,865	\$944,495	(\$26,370)
23	146 Receivables from Municipality.....			\$0
24	151 Materials and Supplies (P. 14).....	\$162,190	\$237,832	\$75,642
25				\$0
26	165 Prepayments.....	\$3,622,367	\$3,528,364	(\$94,003)
27	174 Miscellaneous Current Assets			\$0
28	<b>Total Current and Accrued Assets...</b>	<b>\$13,520,490</b>	<b>\$14,268,891</b>	<b>\$748,401</b>
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount.....	\$5,615	\$3,602	(\$2,013)
31	182 Extraordinary Property Debits.....			\$0
32	185 Other Deferred Debits.....			\$0
33	<b>Total Deferred Debits.....</b>	<b>\$5,615</b>	<b>\$3,602</b>	<b>(\$2,013)</b>
34				
35	<b>Total Assets and Other Debits.....</b>	<b>\$46,448,278</b>	<b>\$47,153,425</b>	<b>\$705,147</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).....	\$35,398,574	\$36,763,394	\$1,364,820
8	<b>Total Surplus.....</b>	<b>\$35,398,574</b>	<b>\$36,763,394</b>	<b>\$1,364,820</b>
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P. 6).....	\$1,049,000	\$735,000	(\$314,000)
11	231 Notes Payable (P 7).....	\$0	\$0	\$0
12	<b>Total Bonds and Notes.....</b>	<b>\$1,049,000</b>	<b>\$735,000</b>	<b>\$811,850</b>
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable.....	\$2,597,018	\$2,554,412	(\$42,606)
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....			
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....	\$14,183	\$10,650	(\$3,533)
19	242 Miscellaneous Current and Accrued Liabilities	\$7,500,415	\$7,561,948	\$61,533
20	<b>Total Current and Accrued Liabilities...</b>	<b>\$10,111,616</b>	<b>\$10,127,010</b>	<b>\$15,394</b>
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt.....	\$59,364	\$48,709	(\$10,655)
23	252 Customer Advance for Construction.....			
24	253 Other Deferred Credits.....			
25	<b>Total Deferred Credits</b>	<b>\$59,364</b>	<b>\$48,709</b>	<b>(\$10,655)</b>
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectable Accounts.....	\$140,000	\$85,000	(\$55,000)
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....	(\$310,276)	(\$605,688)	(\$295,412)
31	265 Miscellaneous Operating Reserves.....			
32	<b>Total Reserves.....</b>	<b>(\$170,276)</b>	<b>(\$520,688)</b>	<b>(\$350,412)</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>\$46,448,278</b>	<b>\$47,153,425</b>	<b>\$705,147</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.

## 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) .....	31,269,482	(1,953,773)
3	<b>Operating Expenses:</b>		
4	401 Operation Expense (P.42).....	26,921,065	(1,925,294)
5	402 Maintenance Expense (P. 42).....	1,289,383	(74,016)
6	403 Depreciation Expense .....	1,553,154	27,071
7	407 Amortization of Property Losses.....	0	0
8			
9	408 Taxes (P. 48).....		
10	<b>Total Operating Expenses</b> .....	<b>29,763,602</b>	<b>(1,972,239)</b>
11	Operating Income.....		
12	414 Other Utility Operating Income (P.50).....	0	0
13			
14	<b>Total Operating Income</b> .....	<b>1,505,880</b>	<b>18,466</b>
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	17,869	(15,864)
17	419 Interest Income.....	87,209	(6,657)
18	421 Miscellaneous Income.....	1,156	1,156
19	<b>Total Other Income</b> .....	<b>106,234</b>	<b>(21,365)</b>
20	<b>Total Income</b> .....	<b>1,612,114</b>	<b>(2,899)</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>1,612,114</b>	<b>(2,899)</b>
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes.....	31,288	(31,345)
28	428 Amortization of Debt Discount and Expense.....	2,013	0
29	429 Amortization of Premium on Debt.....	(10,655)	0
30	431 Other Interest Expense.....		
31	432 Interest Charged to Construction-Credit.....		
32	<b>Total Interest Charges</b>	<b>22,646</b>	<b>(31,345)</b>
33	<b>Net Income</b> .....	<b>1,589,468</b>	<b>28,446</b>
<b>EARNED SURPLUS</b>			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		35,398,574
35			
36			
37	433 Balance transferred from Income.....		1,589,468
38	434 Miscellaneous Credits to Surplus.....		
39	435 Miscellaneous Debits to Surplus.....	0	
40	436 Appropriations of Surplus (P.21).....	224,648	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	36,763,394	
43			
44	<b>TOTALS</b>	<b>36,988,042</b>	<b>36,988,042</b>

**CASH BALANCES AT END OF YEAR (Account 131)**

Line No.	Items (a)	Amount (b)
1	Operation Fund.....	\$ 5,715,930
2	Interest Fund.....	\$ -
3	Bond Fund.....	\$ -
4	Construction Fund.....	\$ 2,428,800
5		
6		
7		
8		
9		
10		
11		
12	<b>TOTAL</b>	<b>\$ 8,144,730</b>

**MATERIALS AND SUPPLIES (Account 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 18).....	\$147,854	
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	\$89,978	
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>\$237,832</b>	

**Depreciation Fund Account (Account 126)**

Line No.	(a)	Amount (b)
24	<b>DEBITS</b>	
25	Balance of Account at Beginning of Year.....	\$3,256,531
26	Income During Year from Balance on Deposit.....	\$49,185
27	Amount Transferred from Income.....	
28	<b>TOTAL</b>	<b>\$3,305,716</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>\$3,305,716</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	<b>c. Hydraulic Production Plant</b>						
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	<b>Total Hydraulic Production Plant</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
10	<b>D. Other Production Plant</b>						
11	340 Land and Land Rights.....	4,737	0	0			4,737
12	341 Structures and Improvements.....	683	29,066	683			29,066
13	342 Fuel Holders, Producers and Accessories.....	257,301	7,129	9,214			255,216
14	343 Prime Movers.....	166,042	0	36,672			129,370
15	344 Generators.....	229,767	0	11,322			218,445
16	345 Accessory Electric Equipment.....	185,671	0	37,659			148,012
17	346 Miscellaneous Power Plant Equipment.....	0	0	0			0
19	<b>Total Other Production Plant</b>	<b>844,201</b>	<b>36,195</b>	<b>95,550</b>	<b>0</b>	<b>0</b>	<b>784,846</b>
20	<b>3. TRANSMISSION PLANT</b>						
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.....	57,122	0	29,661			27,461
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 Conduits.....	1,165,419	0	46,016			1,119,403
29	358 Underground Conductors and Devices.....	0	0	0			0
30	359 Roads and Trails.....	0	0	0			0
31	<b>Total Transmission Plant</b>	<b>1,308,424</b>	<b>0</b>	<b>75,677</b>	<b>0</b>	<b>0</b>	<b>1,232,747</b>

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)
<b>4. DISTRIBUTION PLANT</b>							
1	360 Land and Land Rights.....	48,672	0	0	0	0	48,672
2	361 Structures and Improvements.....	434,004	16,672	20,258	0	0	430,418
3	362 Station Equipment.....	4,639,079	150,108	265,739	0	0	4,523,448
4	363 Storage Battery Equipment.....	12,260	0	648	0	0	11,612
5	364 Poles and Fixtures.....	1,043,876	72,113	81,493	0	0	1,034,496
6	365 Overhead Conductors and Devices....	2,928,103	166,816	129,924	0	0	2,964,995
7	366 Underground Conduits.....	276,647	0	35,005	0	0	241,642
8	367 Underground Conductors and Devices	1,475,344	165,755	72,815	0	0	1,568,284
9	368 Line Transformers.....	1,755,159	81,595	104,702	0	0	1,732,052
10	369 Services.....	706,646	59,782	38,922	0	0	727,506
11	370 Meters.....	1,301,861	31,806	55,760	0	0	1,277,907
12	371 Installation on Cust's Premises.....	527,940	0	34,851	0	0	493,089
13	372 Leased Prop. on Cust's Premises....	0	0	0	0	0	0
14	373 Street Light and Signal Systems....	0	0	0	0	0	0
15	<b>Total Distribution Plant</b>	<b>616,514</b>	<b>71,611</b>	<b>35,830</b>	<b>0</b>	<b>0</b>	<b>652,295</b>
16		<b>15,766,105</b>	<b>816,258</b>	<b>875,947</b>	<b>0</b>	<b>0</b>	<b>15,706,416</b>
<b>5. GENERAL PLANT</b>							
17	389 Land and Land Rights.....	0	0	0	0	0	0
18	390 Structures and Improvements.....	1,442,057	32,162	93,434	0	0	1,380,785
19	391 Office Furniture and Equipment.....	1,672,093	196,022	319,867	0	0	1,548,248
20	392 Transportation Equipment.....	47,965	172,150	47,965	0	0	172,150
21	393 Stores Equipment.....	0	0	0	0	0	0
22	394 Tools, Shop and Garage Equipment....	11,657	0	1,693	0	0	9,964
23	395 Laboratory Equipment.....	0	0	0	0	0	0
24	396 Power Operated Equipment.....	0	0	0	0	0	0
25	397 Communication Equipment.....	1,029,779	20,805	42,333	0	0	1,008,251
26	398 Miscellaneous Equipment.....	5,390	10,064	688	0	0	14,766
27	399 Other Tangible Property.....	0	0	0	0	0	0
28	<b>Total General Plant</b>	<b>4,208,941</b>	<b>431,203</b>	<b>505,980</b>	<b>0</b>	<b>0</b>	<b>4,134,164</b>
29	<b>Total Electric Plant in Service</b>	<b>22,127,671</b>	<b>1,283,656</b>	<b>1,553,154</b>	<b>0</b>	<b>0</b>	<b>21,858,173</b>
30	104 Utility Plant leased to Others.....	0	0	0	0	0	0
31	105 Property Held for Future Use.....	0	0	0	0	0	0
32	106 Construction Work in Progress.....	12,104	126,831	0	0	0	138,935
33	107 Accumulated Depreciation	0	0	0	0	0	0
34	<b>Total Utility Electric Plant</b>	<b>22,139,775</b>	<b>1,410,487</b>	<b>1,553,154</b>	<b>0</b>	<b>0</b>	<b>21,997,108</b>
35							



**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)	Cost (f)	
1	On Hand Beginning of year	108,019	34,525	105,697	413	2,322	
2	Received During Year	70,394	19,801	68,073	275	2,321	
3	<b>TOTAL</b>	<b>178,413</b>	<b>54,326</b>	<b>173,770</b>	<b>688</b>	<b>4,643</b>	
4							
5	Used During Year (Note A)	30,559	9,057	28,237	413	2,322	
6							
7							
8							
9							
10							
11	Sold or Transferred						
12	<b>TOTAL DISPOSED OF</b>	<b>30,559</b>	<b>9,057</b>	<b>28,237</b>	<b>413</b>	<b>2,322</b>	
13	<b>BALANCE END OF YEAR</b>	<b>147,854</b>	<b>45,269</b>	<b>145,533</b>	<b>275</b>	<b>2,321</b>	
Line No.	Item (g)	Kinds of Fuel and Oil -- Continued				Cost (k)	
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)		
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

**MISCELLANEOUS NON-OPERATING INCOME (Account 421)**

Line No.	Item (a)	Amount (b)
1	Interest Income	87,209
2		
3		
4		
5		
6	TOTAL	87,209

**OTHER INCOME DEDUCTIONS (Account 426)**

Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	0

**MISCELLANEOUS CREDITS TO SURPLUS (Account 434)**

Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	0

**MISCELLANEOUS DEBITS TO SURPLUS (Account 435)**

Line No.	Item (a)	Amount (b)
24		
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	224,648
34		
35		
36		
37		
38		
39		
40	TOTAL	224,648

**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						
<b>TOTALS</b>						
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)	10,573,427	\$1,213,856	0.1148	
7						
8						
9		Street Lighting	1,556,801	\$158,767	0.1020	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
<b>TOTALS</b>			<b>12,130,228</b>	<b>\$1,372,623</b>	<b>0.2168</b>	
<b>PURCHASED POWER (Account 555)</b>						
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	299,889,964	\$20,192,431	0.0673
21						
22						
23						
24						
25						
26						
27						
28						
29						
<b>TOTALS</b>			<b>299,889,964</b>	<b>20,192,431</b>	<b>0.0673</b>	
<b>SALES FOR RESALE (Account 447)</b>						
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						
<b>TOTALS</b>						

**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)		
<b>SALES OF ELECTRICITY</b>									
1	440 Residential Sales.....	\$15,376,735	(\$1,050,773)	133,641,470	(4,192,965)	14,093		3	
2	442 Commercial and Industrial Sales:								
3	Small (or Commercial) see instr. 5.....	\$4,595,282	(\$206,915)	37,068,529	82,049	1,064		13	
4	Large (or Industrial) see instr. 5.....	\$9,582,977	(\$593,803)	99,846,361	(2,942,161)	72		4	
5	444 Municipal Sales (P-22).....	\$1,213,856	(\$85,260)	10,573,427	(1,218,229)	100		0	
6	445 Other Sales to Public Authorities.....	\$158,767	(\$6,752)	1,556,801	1,156	1		0	
7	446 Sales to Railroads and Railways.....								
8	448 Interdepartmental Sales.....	\$148,803	(\$8,281)	1,523,940	1,333	402		1	
9	449 Miscellaneous Electric Sales.....								
10	<b>Total Sales to Ultimate Consumers.....</b>	<b>\$31,076,420</b>	<b>(\$1,951,784)</b>	<b>284,210,528</b>	<b>(8,268,817)</b>	<b>15,732</b>		<b>20</b>	
11	447 Sales for Resale.....								
12	<b>Total Sales of Electricity*.....</b>	<b>\$31,076,420</b>	<b>(\$1,951,784)</b>	<b>284,210,528</b>	<b>(8,268,817)</b>	<b>15,732</b>		<b>20</b>	
<b>OTHER OPERATING REVENUES</b>									
13	450 Forfeited Discounts.....	\$0							
14	451 Miscellaneous Service Revenues.....	\$25,274	(\$1,464)						
15	453 Sales of Water and Water Power.....	\$0							
16	454 Rent from Electric Property.....	\$0							
17	455 Interdepartmental Rents.....	\$0							
18	456 Other Electric Revenues.....	\$167,788	(\$525)						
19	Miscellaneous Adjustments to Sales								
20	<b>Total Other Operating Revenues.....</b>	<b>\$193,062</b>	<b>(\$1,989)</b>					<b>N/A</b>	
21	<b>Total Electric Operating Revenues.....</b>	<b>\$31,269,482</b>	<b>(\$1,953,773)</b>					<b>N/A</b>	
22									
23									
24									
25									
26									

\*Includes revenues from application of fuel clauses

Total KWH to which applied

## SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales 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	133,641,470	\$15,376,735	0.1151	14,089	14,096
2							
3							
4							
5	442	COMMERCIAL	37,068,529	\$4,595,282	0.1240	1,055	1,072
6							
7		GENERAL SERVICE	99,846,361	\$9,582,977	0.0960	71	73
8							
9							
10	444	STREET LIGHT	1,556,801	\$158,767	0.1020	1	1
11							
12		MUNICIPAL	10,573,427	\$1,213,856	0.1148	98	101
13							
14		PROTECTIVE LIGHT	1,523,940	\$148,803	0.0976	396	407
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
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42							
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44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE CONSUMERS		284,210,528	\$31,076,420	0.1093	15,710	15,750
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.....	30,559	(71,273)
14	548 Operation Expenses.....	28,191	2,882
15	549 Miscellaneous Other Power Generation Expenses.....	0	0
16	550 Rents.....	0	0
17	<b>Total Operation</b>	<b>58,750</b>	<b>(68,391)</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.....	52,208	(9,284)
22	554 Maintenance of Miscellaneous Other Power Generation Plant.....	0	0
23	<b>Total Maintenance</b>	<b>52,208</b>	<b>(9,284)</b>
24	<b>Total Power Production Expenses - Other Power</b>	<b>110,958</b>	<b>(77,675)</b>
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power.....	20,192,431	(1,881,823)
27	556 System Control and Load Dispatching.....	0	0
28	557 Other Expenses.....	335,847	12,685
29	<b>Total Other Power Supply Expenses</b>	<b>20,528,278</b>	<b>(1,869,138)</b>
30	<b>Total Power Production Expenses</b>	<b>20,639,236</b>	<b>(1,946,813)</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.....	3,732,439	295,847
39	566 Miscellaneous Transmission Expenses.....	0	0
40	567 Rents.....	0	0
41	<b>Total Operation</b>	<b>3,732,439</b>	<b>295,847</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>3,732,439</b>	<b>295,847</b>

## 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.....	104,147	6,008
4	581 Load Dispatching.....	0	0
5	582 Station Expenses.....	8,239	6,789
6	583 Overhead Line Expenses.....	44,880	7,412
7	584 Underground Line Expenses.....	0	0
8	585 Street Lighting and Signal System Expenses.....	0	0
9	586 Meter Expenses.....	32,624	(1,569)
10	587 Customer Installations Expenses.....	45,217	12,958
11	588 Miscellaneous Distribution Expenses.....	97,750	(1,027)
12	589 Rents.....	0	0
13	<b>Total Operation</b>	<b>332,857</b>	<b>30,571</b>
14	<b>Maintenance:</b>		
15	590 Maintenance supervision and engineering.....	56,229	3,862
16	591 Maintenance of Structures.....	29,957	(40,146)
17	592 Maintenance of Station Equipment.....	169,835	27,550
18	593 Maintenance of Overhead Lines.....	663,311	(19,653)
19	594 Maintenance of Underground Lines.....	83,554	(1,799)
20	595 Maintenance of Line Transformers.....	18,858	(2,639)
21	596 Maintenance of Street Lighting and Signal Systems....	74,903	3,394
22	597 Maintenance of Meters.....	0	0
23	598 Maintenance of Miscellaneous Distribution Plant.....	0	0
24	<b>Total Maintenance</b>	<b>1,096,647</b>	<b>(28,431)</b>
25	<b>Total Distribution Expenses</b>	<b>1,429,504</b>	<b>1,140</b>
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	<b>Operation:</b>		
28	901 Supervision.....	0	0
29	902 Meter Reading Expenses.....	50,224	10,562
30	903 Customer Records and Collection Expenses.....	327,731	(37,234)
31	904 Uncollectable Accounts.....	34,093	(75,508)
32	905 Miscellaneous Customer Accounts Expenses.....	0	0
33	<b>Total Customer Accounts Expenses</b>	<b>412,048</b>	<b>(102,180)</b>
34	<b>SALES EXPENSES</b>		
35	<b>Operation:</b>		
36	911 Supervision.....	0	0
37	912 Demonstrating and Selling Expenses.....	112,485	(38,266)
38	913 Advertising Expenses.....	0	0
39	916 Miscellaneous Sales Expense.....	0	0
40	<b>Total Sales Expenses</b>	<b>112,485</b>	<b>(38,266)</b>
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	<b>Operation:</b>		
43	920 Administrative and General Salaries.....	414,651	46,625
44	921 Office Supplies and Expenses.....	128,683	(55,412)
45	922 Administrative Expenses Transferred - Cr.....	0	0
46	923 Outside Services Employed.....	94,936	6,034
47	924 Property Insurance.....	152,200	(25,426)
48	925 Injuries and Damages.....	18,620	(12,844)
49	926 Employees Pensions and Benefits.....	813,751	(146,564)
50	928 Regulatory Commission Expenses.....	0	0
51	929 Duplicate Charges - Cr.....	0	0
52	930 Miscellaneous General Expenses.....	121,367	13,850
53	931 Rents.....	0	0
54	<b>Total Operation</b>	<b>1,744,208</b>	<b>(173,737)</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	<b>Maintenance:</b>		
3	932 Maintenance of General Plant.....	140,528	(35,301)
4	933 Transportation expense.....		
5	<b>Total Maintenance</b>	<b>140,528</b>	<b>(35,301)</b>
6	<b>Total Administrative and General Expenses</b>	<b>1,884,736</b>	<b>(209,038)</b>
7	<b>Total Electric Operation and Maintenance Expenses</b>	<b>28,210,448</b>	<b>(1,999,310)</b>

**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	<b>Total Power Production Expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>
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			
22	<b>Total Electric Operation and Maintenance Expenses</b>	<b>0</b>	<b>0</b>	<b>0</b>

- 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..... 2,623,477
- 25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) 32

**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)						(j)	
			Electric (Acct. 408, 409) (c)	Gas (Acct. 408, 409) (d)	(e)	(f)	(g)	(h)		(i)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	<b>TOTAL</b>									

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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21					
22					
23					
24					
25					
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27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	<b>TOTALS</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**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, allowances and returns.....	\$17,869			\$17,869
3	Contract Work.....				
4	Commissions.....				
5	Other (List according to major classes)				
6					
7					
8					
9					
10	Total Revenues.....	\$17,869	\$0	\$0	\$17,869
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major classes of cost).....				
15					
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	<b>TOTAL COSTS AND EXPENSES</b>	\$0.00	\$0.00	\$0.00	\$0.00
51	<b>Net Profit (or Loss)</b>	\$17,869.00	\$0.00	\$0.00	\$17,869.00

**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	Statistical Classification	Export Across State Lines	Point of Delivery	Substation	Kw or Kva of Demand (Specify which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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16								
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32								
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. reading (instantaneous, 15, 30, or 60 minutes integrated).
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 (i)	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	161,627	\$102,253	\$30,537		\$132,790	0.8216	1
60 MINUTES	115 kv	4,877,348	\$542,909	\$267,133		\$810,042	0.1661	2
60 MINUTES	115 kv	146,378,012		\$7,223,941		\$7,223,941	0.0494	3
60 MINUTES	115 kv	25,589,318	\$1,698,787	\$179,626	\$0	\$1,878,413	0.0734	4
60 MINUTES	115 kv	12,085,946	\$0	\$0	\$243,713	\$243,713	0.0202	5
60 MINUTES	115 kv	46,522,146	\$4,359,559	\$379,481	\$0	\$4,739,040	0.1019	6
					\$6,060	\$6,060	N/A	7
60 MINUTES	115 kv	6,065,545			\$643,442	\$643,442	0.1061	8
		728,600			\$41,205	\$41,205	0.0566	9
		659,282			\$25,550.99	\$25,551	0.0388	10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
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								25
								26
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								28
								29
								30
								31
								32
								33
								34
								35
								36
	<b>TOTALS</b>	<b>243,067,824</b>	<b>\$6,703,508</b>	<b>\$8,080,717</b>	<b>\$959,971</b>	<b>\$15,744,196</b>	<b>0.0638</b>	<b>37</b>



**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)	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				299,889,964	243,067,824	56,822,140	4,448,235
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				<b>TOTALS</b>	<b>299,889,964</b>	<b>243,067,824</b>	<b>56,822,140</b>	<b>\$4,448,235</b>

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

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO INTERCHANGE	INTERCHANGE EXPENSE	\$4,146,960
14		NEPOOL EXPENSE	301,275
15			
16			
17			
18			
19			
20			
21		<b>TOTALS</b>	<b>0.00</b>
			<b>\$4,448,235</b>

**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		
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	115,818
7	Total generation.....	<b>115,818</b>
8	Purchases.....	299,889,964
9	{ In (gross) .....	299,889,964
10	{ Out (gross) .....	243,067,824
11	{ Net (Kwh).....	56,822,140
12	{ Received.....	243,067,824
13	Transmission for/by others (Wh).....	
14	{ Delivered.....	
14	{ Net (kwh).....	243,067,824
15	<b>TOTAL</b> .....	<b>300,005,782</b>
<b>DISPOSITION OF ENERGY</b>		
16		
17	Sales to ultimate consumers (including interdepartmental sales).....	284,210,528
18	Sales for resale.....	
19	Energy furnished without charge .....	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	1,067,244
22	Energy losses:	
23	Transmission and conversion losses.....	0
24	Distribution losses.....	
25	Unaccounted for losses.....	14,728,010
26	Total energy losses.....	14,728,010
27	Energy losses as percent of total on line 15.....	4.91%
28	<b>TOTAL</b> .....	<b>300,005,782</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 cot. (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	51,055	Mon	3	19:00	60 min	27,703,683
30	FEB	47,124	Tues	12	19:00	"	24,420,897
31	MAR	46,771	Thur	1	19:00	"	23,851,037
32	APR	41,119	Tues	16	21:00	"	21,515,229
33	MAY	50,296	Tues	29	20:00	"	23,361,218
34	JUNE	62,287	Wed	21	18:00	"	24,756,010
35	JULY	62,982	Fri	18	14:00	"	29,383,443
36	AUG	59,202	Mon	3	17:00	"	29,066,059
37	SEPT	49,756	Wed	7	17:00	"	22,921,236
38	OCT	38,970	Sat	9	20:00	"	22,317,114
39	NOV	46,713	Wed	7	19:00	"	23,898,162
40	DEC	48,945	Sun	17	19:00	"	26,811,694
41						<b>TOTAL</b>	<b>300,005,782</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 Hw\* 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	115,818		
13	Cost of plant (omit cents):			
14	Land and land rights	\$4,737		
15	Structures and improvements	\$39,395		
16	Reservoirs, dams, and waterways			
17	Equipment costs	\$3,796,947		
18	Roads, railroads, and bridges			
19	<b>Total cost</b>	<b>\$3,841,079</b>	<b>\$0</b>	<b>\$0</b>
20	<b>Cost per kw of installed capacity</b>	<b>\$279</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>
21	Production expenses:			
22	Operation supervision and engineering	28,191		
23	Station labor			
24	Fuel	30,559		
25	Supplies and expenses, including water			
26	Maintenance	52,208		
27	Rents			
28	Steam from other sources			
29	Steam transferred -- Credit			
30	<b>Total production expenses</b>	<b>110,958</b>	<b>\$0.00</b>	<b>\$0.00</b>
31	<b>Expenses per net Kwh (5 places)</b>	<b>0.9580</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>
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		
34	Quantity (units) of fuel consumed		Barrels	
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
						13
						14
						15
						16
						17
						18
						19
						20
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						32
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						35
						36
						37
						38
						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							
10							
11							
12							
13							
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35							
36							
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							
<b>TOTALS</b>											

**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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35							
36							
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)	Fre- quency 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
										10
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										34
										35
										36
										37
										38
<b>TOTALS</b>										39

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
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36							
37							
38							
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
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<b>TOTALS</b>									39

**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												
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27												
28												
NOT APPLICABLE												
TOTALS												

**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	ROLFE AVE SUB	JOHNSON SUB	69 KV	UG	10,000 FT		1	300 MCM CU
10								
11								
12								
13								
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46								
47	<b>TOTALS</b>				<b>26,000</b>		<b>4</b>	

\* 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), (j), 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	LOGAN SUBSTATION	DISTRIBUTION UNATTENDED	69 KV	13.8 KV	4.6 KV	66,000	2				
5											
6											
7											
8											
9	JOHNSON SUBSTATION	DISTRIBUTION UNATTENDED	13.8 KV	4.16 KV		12,500	2				
10											
11											
12	PEAKING PLANT	POWER SUPPLY UNATTENDED	4.16 KV	13.8 KV		18,750	2				
13											
14											
15											
16	JOHNSON SUBSTATION	DISTRIBUTION UNATTENDED	69 KV	13.8 KV		93,334	2				
17											
18											
19	ROLFE AVE SUB DISTRIBUTION 2002	DISTRIBUTION UNATTENDED	115 KV	13.8 KV		100,000	2				
20											
21											
22											
23											
24											
25											
26											
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31											
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	185.36		185.36
2	Added During Year	0.00		0.00
3	Retired During Year			
4	Miles - End of Year	185.36		185.36
5				
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.....	14,083	17,426	4,011	193,047
17	Additions during year:				
18	Purchased.....		192	39	1,423
19	Installed.....		90	51	2,128
20	Associated with utility plant acquired.....				
21	Total additions.....	0	282	90	3,550
22	Reduction during year:				
23	Retirements.....	6	35	38	1,488
24	Associated with utility plant sold.....				
25	Total reductions.....	6	35	38	1,488
26	Number at End of Year.....	14,077	17,673	4,063	195,110
27	In Stock.....		1,781		
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....				
31	In Companies' Use.....				
32	Number at End of Year.....		1,781	0	0

**CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE -- (Distribution System)**

Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating voltage (d)	Feet* (e)	Operating Voltage (f)
1	5 KV SYSTEM	20.19	28.51	4,160		
2						
3	15 KV SYSTEM	98.52	134.62	13,800		
4						
5						
6						
7						
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34						
<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	1,765	7						1,758	
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>2,928</b>	<b>55</b>		<b>903</b>				<b>1,944</b>	



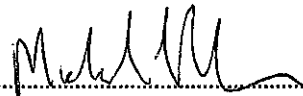
**RATE SCHEDULE INFORMATION**

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
<p>***** SEE ATTACHED WORKSHEETS *****</p>				

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

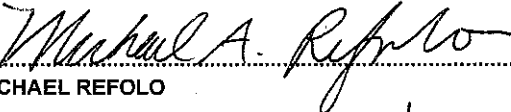
..... Mayor

  
..... Manager of Electric Light

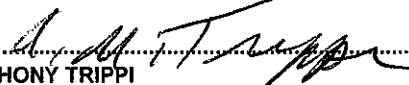
MICHAEL HALE

  
.....


CLIFFORD JEFFERSON

  
.....

MICHAEL REFOLO

  
.....

ANTHONY TRIPPI

  
.....

PATRICIA LYONS-GALLO

  
.....

ROBERT HOLLAND

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

# 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.