



The Commonwealth of Massachusetts
Department of Public Utilities
Lourett Saltonstall Building, Government Center
One South Station, Boston 02202

TO THE MAYORS, SELECTMEN, MUNICIPAL LIGHTS BOARDS AND MANAGERS OF MUNICIPAL LIGHTING IN THE SEVERAL CITIES AND TOWNS IN THIS COMMONWEALTH OPERATING GAS OR ELECTRIC LIGHT PLANTS:

This form of the Annual Return should be filled out and one original and a duplicate copy (which may be a photocopy) should be returned to the Office of the Department of Public Utilities 1 South Station Boston Massachusetts, 02202 by March 31st of the year following the calendar year of the report in accordance with the statutes of the Commonwealth and the regulations of the Department made in pursuance thereof.

Where the word "None" truly and completely states the fact, it should be given as the answer to any particular inquiry or portion of an inquiry.

If respondent so desires, cents may be omitted in the balance sheet, income statement and supporting schedules. All supporting schedules on an even-dollar basis, however, shall agree with even-dollar amounts in the main schedules. Averages and extracted figures, where cents are important, must show cents for reasons which are apparent.

Special attention is called to the legislation in regard to the Returns printed in the last page.



The Commonwealth of Massachusetts

RETURN

OF THE

MUNICIPAL LIGHTING PLANT

TOWN OF SHREWSBURY

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

2016

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

Official Title: **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 18 WILLARD AVE 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

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

MARIA LEMIEUX 5 COUNTRY WAY SHREWSBURY, MA 01545

KELLY MARSHALL 7 BALSAM CIRCLE SHREWSBURY, MA 01545

8. Total valuation of estates in town according to last state valuation \$5,433,834,856

9. Tax rate for all purposes during the year: Residential \$12.83 Commercial \$12.83

10. Amount of manager's salary: \$164,112

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

INCOME FROM PRIVATE CONSUMERS:		
1	FROM SALES OF GAS.....	\$0
2	FROM SALE OF ELECTRICITY	\$33,043,494
3	FROM RATE STABILIZATION FUND.....	\$1,200,000
4	TOTAL	\$34,243,494
5	Expenses:	
6	For operation, maintenance and repairs.....	\$26,819,448
7	For interest on bonds, notes or scrip.....	\$166,350
8	For depreciation fund (3% on \$67,194,382 as per page 8B).....	\$2,014,334
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	\$405,000
12	For loss in preceding year.....	
13	TOTAL	\$29,405,132
14		
15	Cost:	
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.....	\$1,622,586
19	Of electricity to be used for street lights.....	\$154,633
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
		\$1,777,219

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	15,950
		TOTAL	15,950

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.....	\$	\$154,633
2. Municipal Buildings.....		\$1,622,586
	\$	<u>1,777,219</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 4 - 30,000 gallon underground storage tanks
- Installed - 2 - 30,000 gallon underground storage tanks for generator diesel fuel
- Replaced generator governors on 2 units
- Added security cameras to Rolfe Ave Substation
- Replaced substation control batteries at Rolfe Ave

- Purchased material handler bucket truck
- Retired material handler bucket truck
- Installed underground conduit system including manholes - Rte. 20 at Centech Blvd
- Installed 6000 feet of spacer cable (477 kcmil) and 800 feet of underground (500kcmil) cable for new distribution circuit
- Installed 250 LED streetlight fixtures
- Retired 250 high pressure sodium and mercury streetlights
- Installed 1000 feet of spacer cable (366 kcmil) and 10 poles for new commercial/residential development

In gas property:

BONDS

(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of issue	Amount of Original Issue	Period of Payments		Rate	Interest When Payable	Amount Outstanding
			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	\$105,000	2001-2017	4.20%	SEMI ANNUALLY	\$105,000
February 1, 2005	February 15, 2005	\$379,400					\$0
February 15, 2008	February 20, 2008	\$1,000,000					\$0
May 22, 2013	January 23, 2014	\$6,000,000	\$300,000	2015-2034	3-4%	SEMI ANNUALLY	\$5,400,000
Total		\$13,366,700	\$405,000				\$5,505,000

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		When Payable	Interest		When Payable	Amount of Outstanding at End of Year
			Amounts			Rate			
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 pre-

ceding year. Such items should be included in column (c) or (d) as appropriate.
 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						
2							
3							
4							
5	2. PRODUCTION PLANT						
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		\$0	\$0	\$0	\$0	\$0	\$0
15	Total Steam Production Plant.....	\$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	Total Nuclear Production Plant....	\$0	\$0	\$0	\$0	\$0	\$0

TOTAL COST OF PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
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.....	\$232,197	\$46,313	\$0	\$0	\$0	\$278,510
13	342 Fuel Holders, Producers and Accessories.....	\$375,749	\$467,520	\$0	\$0	\$0	\$843,269
14	343 Prime Movers	\$1,942,583	\$50,268	\$0	\$0	\$0	\$1,992,851
15	344 Generators.....	\$1,089,521	\$0	\$0	\$0	\$0	\$1,089,521
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	\$5,153,314	\$564,101	\$0	\$0	\$0	\$5,717,415
19	Total Production Plant	\$5,153,314	\$564,101	\$0	\$0	\$0	\$5,717,415
20	3. Transmission Plant						
21	350 Land and Land Rights.....	\$0	\$0	\$0	\$0	\$0	\$0
22	351 Clearing Land and Rights of Way	\$0	\$0	\$0	\$0	\$0	\$0
23	352 Structures and Improvements.....	\$0	\$0	\$0	\$0	\$0	\$0
24	353 Station Equipment.....	\$1,975,435	\$5,040	\$0	\$0	\$0	\$1,980,475
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.....	\$0	\$0	\$0	\$0	\$0	\$0
29	358 Underground Conductors and Devices	\$0	\$0	\$0	\$0	\$0	\$0
30	359 Roads and Trails.....	\$0	\$0	\$0	\$0	\$0	\$0
31	Total Transmission Plant	\$1,975,435	\$5,040	\$0	\$0	\$0	\$1,980,475

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	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	\$134,555	\$0	\$0	\$0	\$0	\$134,555
3	361 Structures and Improvements	\$1,167,064	\$14,342	\$0	\$0	\$0	\$1,181,406
4	362 Station Equipment	\$16,347,199	\$119,761	\$0	\$0	\$0	\$16,466,960
5	363 Storage Battery Equipment	\$25,925	\$0	\$0	\$0	\$0	\$25,925
6	364 Poles, Towers and Fixtures	\$3,560,969	\$57,318	\$3,254	\$0	\$0	\$3,615,033
7	365 Overhead Conductors and Devices	\$6,105,873	\$464,289	\$576	\$0	\$0	\$6,569,586
8	366 Underground Conduits	\$3,254,003	\$145,465	\$0	\$0	\$0	\$3,399,468
9	367 Underground Conductors & Devices	\$4,045,356	\$98,033	\$10,200	\$0	\$0	\$4,143,389
10	368 Line Transformers	\$4,600,569	\$247,111	\$0	\$0	\$0	\$4,837,480
11	369 Services	\$1,803,551	\$47,563	\$480	\$0	\$0	\$1,851,114
12	370 Meters	\$2,379,372	\$43,866	\$0	\$0	\$0	\$2,422,758
13	371 Installation on Cust's Premises	\$1,394,074	\$0	\$0	\$0	\$0	\$1,394,074
15	373 Street Light and Signal Systems	\$1,654,308	\$60,447	\$1,965	\$0	\$0	\$1,712,790
	Total Distribution Plant	\$46,472,818	\$1,298,195	\$16,475	\$0	\$0	\$47,754,538
17	5. GENERAL PLANT						
19	390 Structures and Improvements	\$3,787,503	\$638	\$0	\$0	\$0	\$3,788,141
20	391 Office Furniture and Equipment	\$3,648,917	\$68,812	\$0	\$0	\$0	\$3,717,729
21	392 Transportation Equipment	\$2,239,139	\$27,807	\$33,439	\$0	\$0	\$2,233,507
22	393 Stores Equipment	\$41,285	\$0	\$0	\$0	\$0	\$41,285
23	394 Tools, Shop and Garage Equipment	\$88,890	\$6,685	\$0	\$0	\$0	\$95,575
24	395 Laboratory Equipment	\$43,020	\$0	\$0	\$0	\$0	\$43,020
25	396 Power Operated Equipment	\$44,354	\$0	\$0	\$0	\$0	\$44,354
26	397 Communication Equipment	\$1,755,723	\$13,781	\$0	\$0	\$0	\$1,769,504
27	398 Miscellaneous Equipment	\$37,609	\$0	\$0	\$0	\$0	\$37,609
28	399 Other Tangible Property	\$60,606	\$0	\$0	\$0	\$0	\$60,606
29	Total General Plant	\$11,747,046	\$117,723	\$33,439	\$0	\$0	\$11,831,330
30		\$65,348,613	\$1,985,059	\$49,914	\$0	\$0	\$67,283,758
31							
32							
33							
34							

TOTAL COST OF PLANT.....

Less Cost of Land, Land Rights, and Rights of Way
 Total Cost upon which depreciation is based

\$139,292
\$67,144,466

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	UTILITY PLANT			
2	101 Utility Plant -Electric.....	\$30,012,561	\$30,043,933	\$31,372
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....	\$20,821	\$20,821	\$0
5	Total Utility Plant.....	\$30,033,382	\$30,064,754	\$31,372
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....	\$0	\$0	\$0
13	126 Depreciation Fund (P. 14).....	\$3,362,362	\$3,365,735	\$3,373
14	128 Other Special Funds.....	\$6,450,743	\$5,292,540	(\$1,158,203)
15	Total Funds.....	\$9,813,105	\$8,658,275	(\$1,154,830)
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	\$8,150,651	\$9,231,685	\$1,081,034
18	132 Special Deposits.....			
19	132 Working Funds.....	\$500	\$500	\$0
20	141 Notes and Receivables.....			\$0
21	142 Customer Accounts Receivable.....	\$2,467,001	\$2,342,772	(\$124,229)
22	143 Other Accounts Receivable.....	\$737,435	\$1,053,730	\$316,295
23	146 Receivables from Municipality.....			\$0
24	151 Materials and Supplies (P. 14).....	\$137,650	\$121,210	(\$16,440)
25				\$0
26	165 Prepayments.....	\$1,966,374	\$1,845,863	(\$120,511)
27	174 Miscellaneous Current Assets			\$0
28	Total Current and Accrued Assets...	\$13,459,611	\$14,595,760	\$1,136,149
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....	\$1,176	\$438	(\$738)
31	182 Extraordinary Property Debits.....			\$0
32	185 Other Deferred Debits.....			\$0
32	186 Deferred Outflows of Resources.....	\$621,636	\$956,431	\$334,795
33	Total Deferred Debits.....	\$622,812	\$956,869	\$334,057
34				
35	Total Assets and Other Debits.....	\$53,928,910	\$54,275,658	\$346,748

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	APPROPRIATIONS			
2	201 Appropriations for Construction.....			
3	SURPLUS			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayment.....			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	\$36,468,639	\$39,059,954	\$2,591,315
8	Total Surplus.....	\$36,468,639	\$39,059,954	\$2,591,315
9	LONG TERM DEBT			
10	221 Bonds (P. 6).....	\$5,910,000	\$5,505,000	(\$405,000)
11	228 Net Pension Liability.....	\$2,898,886	\$1,219,554	(\$1,679,332)
12	228.4 Deferred Inflow of Resources.....	\$102,437	\$1,361,864	\$1,259,427
13	231 Notes Payable (P. 7).....	\$0	\$0	\$0
14	Total Bonds and Notes.....	\$8,911,323	\$8,086,418	\$811,850
15	CURRENT AND ACCRUED LIABILITIES			
16	232 Accounts Payable.....	\$1,600,115	\$1,370,375	(\$229,740)
17	234 Payables to Municipality.....			
18	235 Customer Deposits.....			
19	236 Taxes Accrued.....			
20	237 Interest Accrued.....	\$663,034	\$551,584	(\$111,450)
21	242 Miscellaneous Current and Accrued Liabilities	\$6,450,743	\$5,292,540	(\$1,158,203)
22	Total Current and Accrued Liabilities...	\$8,713,892	\$7,214,499	(\$1,499,393)
23	DEFERRED CREDITS			
24	251 Unamortized Premium on Debt.....	\$142,089	\$124,689	(\$17,400)
25	252 Customer Advance for Construction.....			
26	253 Other Deferred Credits.....			
27	Total Deferred Credits	\$142,089	\$124,689	(\$17,400)
28	RESERVES			
29	260 Reserves for Uncollectable Accounts.....	\$148,000	\$141,000	(\$7,000)
30	261 Property Insurance Reserve.....			
31	262 Injuries and Damages Reserves.....			
32	263 Pensions and Benefits.....	(\$506,903)	(\$504,341)	\$2,562
33	265 Miscellaneous Operating Reserves.....			
34	Total Reserves.....	(\$358,903)	(\$363,341)	(\$4,438)
35	CONTRIBUTIONS IN AID OF			
36	CONSTRUCTION			
37	271 Contributions in Aid of Construction.....	\$51,870	\$153,439	
38	Total Liabilities and Other Credits	\$53,928,910	\$54,275,658	\$346,748

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	OPERATING INCOME		
2	400 Operating Revenue (P. 37 and P. 43)	32,141,974	(2,216,486)
3	Operating Expenses:		
4	401 Operation Expense (P. 42)	25,702,661	(3,025,782)
5	402 Maintenance Expense (P. 42)	1,528,310	(62,102)
6	403 Depreciation Expense	1,954,723	284,081
7	407 Amortization of Property Losses	0	0
8			
9	408 Taxes (P. 48)		
10	Total Operating Expenses	29,185,694	(2,803,803)
11	Operating Income		
12	414 Other Utility Operating Income (P. 50)	0	0
13			
14	Total Operating Income	2,956,280	587,317
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	21,001	(2,160)
17	419 Interest Income	15,440	2,609
18	421 Miscellaneous Income	(2,620)	(23,771)
19	Total Other Income	33,821	(23,322)
20	Total Income	2,990,101	563,995
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	0	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	0	0
25	Income before Interest Charges	2,990,101	563,995
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	174,506	44,981
28	428 Amortization of Debt Discount and Expense	738	0
29	429 Amortization of Premium on Debt	(17,400)	0
30	431 Other Interest Expense		
31	432 Interest Charged to Construction-Credit		
32	Total Interest Charges	157,844	44,981
33	Net Income	2,832,257	519,014

EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period)		36,468,639
35			
36			
37	433 Balance transferred from Income		2,832,257
38	434 Miscellaneous Credits to Surplus		
39	435 Miscellaneous Debits to Surplus	0	
40	436 Appropriations of Surplus (P. 21)	240,942	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	39,059,954	
43			
44	TOTALS	39,300,896	39,300,896

CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)		Amount (b)
1	Operation Fund	\$	6,494,875
2	Interest Fund	\$	-
3	Bond Fund	\$	-
4	Construction Fund	\$	2,736,810
5			
6			
7			
8			
9			
10			
11			
12	TOTAL	\$	9,231,685

**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).....	\$42,582	
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	\$78,628	
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	Total per Balance Sheet	\$121,210	

Depreciation Fund Account (Account 126)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of Account at Beginning of Year.....	\$3,362,362
26	Income During Year from Balance on Deposit.....	\$3,373
27	Amount Transferred from Income.....	
28	TOTAL	\$3,365,735
29		
30	CREDITS	
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	TOTAL	\$3,365,735

UTILITY PLANT -- ELECTRIC

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

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
10	D. Other Production Plant						
11	340 Land and Land Rights.....	4,737	0	0			4,737
12	341 Structures and Improvements.....	210,264	46,313	5,804			250,773
13	342 Fuel Holders, Producers and Accessories.....	227,036	467,520	9,393			685,163
14	343 Prime Movers.....	494,541	50,268	48,564			496,245
15	344 Generators	805,238	0	27,238			778,000
16	345 Accessory Electric Equipment.....	35,035	0	35,035			0
17	346 Miscellaneous Power Plant Equipment.....	0	0	0			0
-	Total Other Production Plant	1,776,850	564,101	126,034		0	2,214,918
19	Total Production Plant	1,776,850	564,101	126,034		0	2,214,918
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....	0	0	0			0
22	351 Clearing Land and Rights of Way..	0	0	0			0
23	352 Structures and Improvements..	0	0	0			0
24	353 Station Equipment.....	1,975,435	5,040	59,263			1,921,212
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.....	0	0	0			0
29	358 Underground Conductors and Devices	0	0	0			0
30	359 Roads and Trails.....	0	0	0			0
31	Total Transmission Plant	1,975,435	5,040	59,263		0	1,921,212

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.....	134,555	0	0	0		134,555
3	361 Structures and Improvements.....	644,062	14,342	26,704	0		631,700
4	362 Station Equipment.....	10,270,799	119,761	490,415	0		9,900,145
5	363 Storage Battery Equipment.....	9,668	0	648	0		9,020
6	364 Poles and Fixtures.....	1,058,899	57,318	89,024	0		1,027,193
7	365 Overhead Conductors and Devices...	3,374,249	464,289	152,646	0		3,685,892
8	366 Underground Conduits.....	1,133,388	145,465	81,350	0		1,197,503
9	367 Underground Conductors and Devices	1,444,481	98,033	79,343	0		1,463,171
10	368 Line Transformers.....	1,828,194	247,111	115,014	0		1,960,291
11	369 Services.....	798,845	47,563	45,088	0		801,320
12	370 Meters.....	1,242,229	43,866	59,484	0		1,226,611
13	371 Installation on Cust's Premises....	388,536	0	34,851	0		353,685
14	372 Leased Prop. on Cust's Premises....	0					0
15	373 Street Light and Signal Systems....	706,144	60,447	41,357	0		725,234
16	Total Distribution Plant	23,034,049	1,298,195	1,215,924	0	0	23,116,320
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	0	0	0	0		0
19	390 Structures and Improvements.....	1,115,753	638	94,687	0		1,021,704
20	391 Office Furniture and Equipment....	1,040,521	68,812	323,269	0		786,064
21	392 Transportation Equipment.....	89,016	27,807	89,016	0	(2,619)	25,188
22	393 Stores Equipment.....	6,860	0	1,032	0		5,828
23	394 Tools, Shop and Garage Equipment...	27,093	6,685	2,222	0		31,556
24	395 Laboratory Equipment.....	0	0	0	0		0
25	396 Power Operated Equipment.....	0	0	0	0		0
26	397 Communication Equipment.....	929,521	13,781	43,893	0		899,409
27	398 Miscellaneous Equipment.....	11,946	0	940	0		11,006
28	399 Other Tangible Property.....	0	0	0	0		0
29	Total General Plant	3,220,711	117,723	555,059	0	(2,619)	2,780,756
30	Total Electric Plant in Service	30,007,045	1,985,059	1,956,280	0	(2,619)	30,033,205
31	104 Utility Plant leased to Others.....	0	0	0	0		0
32	105 Property Held for Future Use.....	0	0	0	0		0
33	107 Construction Work in Progress.....	5,518	10,728	0	0	(5,518)	10,728
34	108 Accumulated Depreciation	0	0	0	0		0
35	Total Utility Electric Plant	30,012,563	1,995,787	1,956,280	0	(8,137)	30,043,933

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)	
# 2 FUEL OIL							
LUBRICATION OIL							
1	On Hand Beginning of year	77,370	35,525	71,344	605	6,026	
2	Received During Year	13,816	9,033	13,816	0	0	
3	TOTAL	91,186	44,558	85,160	605	6,026	
4							
5	Used During Year (Note A)	48,604	25,010	48,604	0	0	
6							
7							
8							
9							
10							
11	Sold or Transferred						
12	TOTAL DISPOSED OF	48,604	25,010	48,604	0	0	
13	BALANCE END OF YEAR	42,582	19,548	36,556	605	6,026	
Kinds of Fuel and Oil -- Continued							
Line No.	Item (g)	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	15,440
2		
3		
4		
5		
6	TOTAL	15,440

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	240,942
34		
35		
36		
37		
38		
39		
40	TOTAL	240,942

Annual Report of SHREWSBURY		MUNICIPAL REVENUES (Accounts 482,444)				22
		(K.W.H. Sold under the Provision of Chapter 269, Acts of 1927)				Year Ended December 31, 2016
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)	11,302,789	\$1,279,356	0.1132	
7						
8						
9		Street Lighting	1,374,845	\$154,641	0.1125	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19		TOTALS	12,677,634	\$1,433,997	0.2257	
PURCHASED POWER (Account 555)						
Line No.		Names of Utilities from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. cents [0.0000] (e)
20		MMWEC	RAS 115 KV	285,819,138	\$17,676,002	0.0618
21		ASHUELOT	RAS 115 KV	2,729,035	160,697	0.0589
22		CONEDISON	RAS 115 KV	4,413,970	291,449	0.0660
23						
24						
25						
26						
27						
28						
29		TOTALS		292,962,143	18,128,148	0.0619
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)	Prior Year	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.....	\$15,650,984	\$17,285,142	(\$1,634,178)	131,146,287	(6,439,170)	14,324	(9)	
3	442 Commercial and Industrial Sales:								
4	Small (or Commercial) see instr. 5.....	\$3,130,407	\$3,286,200	(\$155,793)	24,508,498	(115,629)	1,006	7	
5	Large (or Industrial) see instr. 5.....	\$11,582,226	\$11,995,496	(\$413,270)	107,041,779	1,798,650	125	1	
6	444 Municipal Sales (P.22)	\$1,279,366	\$1,340,658	(\$61,302)	11,302,789	92,683	101	5	
7	445 Other Sales to Public Authorities.....	\$154,641	\$154,163	\$478	1,374,845	(9,310)	1	0	
8	446 Sales to Railroads and Railways.....								
9	448 Interdepartmental Sales.....	\$127,816	\$130,602	(\$2,786)	1,567,548	851	396	(6)	
10	449 Miscellaneous Electric Sales.....	\$31,925,410	\$34,192,261	(\$2,266,851)	276,941,746	(4,671,925)	15,953	4	
11	Total Sales to Ultimate Consumers.....								
12	447 Sales for Resale.....								
13	Total Sales of Electricity*.....	\$31,925,410	\$34,192,261	(\$2,266,851)	276,941,746	(4,671,925)	15,953	4	
14	OTHER OPERATING REVENUES								
15	450 Forfeited Discounts.....	\$0	\$0						
16	451 Miscellaneous Service Revenues.....	\$14,705	\$17,282	(\$2,577)					
17	453 Sales of Water and Water Power.....	\$0	\$0						
18	454 Rent from Electric Property.....	\$0	\$0						
19	455 Interdepartmental Rents.....	\$0	\$0						
20	456 Other Electric Revenues.....	\$201,859	\$148,917	\$52,942					
21									
22									
23	Miscellaneous Adjustments to Sales								
24									
25	Total Other Operating Revenues.....	\$216,564	\$166,199	\$50,365					
26	Total Electric Operating Revenues.....	\$32,141,974	\$34,358,460	(\$2,216,486)					

*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	131,146,287	\$15,650,964	0.1193	14,314	14,333
2							
3							
4							
5	442	COMMERCIAL	24,508,498	\$3,130,407	0.1277	1,012	999
6							
7		GENERAL SERVICE	107,041,779	\$11,582,226	0.1082	126	124
8							
9							
10	444	STREET LIGHT	1,374,845	\$154,641	0.1125	1	1
11							
12		MUNICIPAL	11,302,789	\$1,279,356	0.1132	101	101
13							
14		PROTECTIVE LIGHT	1,567,548	\$127,816	0.0815	398	393
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
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34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO ULTIMATE CONSUMERS		276,941,746	\$31,925,410	0.1153	15,952	15,951
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	POWER PRODUCTION EXPENSE		
2	STEAM POWER GENERATION		
3	Operation:		
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	Total Operation		
13	Maintenance:		
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	Total Maintenance		
20	Total power production expenses -- steam power		
21	NUCLEAR POWER GENERATION		
22	Operation:		
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	Total Operation		
33	Maintenance:		
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	Total Maintenance		
40	Total power production expenses -- nuclear power		
41	HYDRAULIC POWER GENERATION		
42	Operation:		
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	Total Operation		

(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	HYDRAULIC POWER GENERATION - CONTINUED		
2	Maintenance:		
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	Total Maintenance		
9	Total Power Production Expenses - Hydraulic Power		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering.....	0	0
13	547 Fuel.....	48,604	(301,504)
14	548 Operation Expenses.....	34,643	563
15	549 Miscellaneous Other Power Generation Expenses.....	0	0
16	550 Rents.....	0	0
17	Total Operation	83,247	(300,941)
18	Maintenance:		
19	551 Maintenance Supervision and Engineering.....	0	0
20	552 Maintenance of Structure.....	0	0
21	553 Maintenance of Generating and Electric Plant.....	46,192	(38,089)
22	554 Maintenance of Miscellaneous Other Power Generation Plant.....	0	0
23	Total Maintenance	46,192	(38,089)
24	Total Power Production Expenses - Other Power	129,439	(339,030)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power.....	18,128,148	(2,735,244)
27	556 System Control and Load Dispatching.....	0	0
28	557 Other Expenses.....	368,646	(14,474)
29	Total Other Power Supply Expenses	18,496,794	(2,749,718)
30	Total Power Production Expenses	18,626,233	(3,088,748)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation Supervision and Engineering.....	0	0
34	561 Load Dispatching.....	0	0
35	562 Station Expenses.....	0	0
36	563 Overhead Line Expenses.....	0	0
37	564 Underground Line Expenses.....	0	0
38	565 Transmission of Electricity by Others.....	4,783,788	507,495
39	566 Miscellaneous Transmission Expenses.....	0	0
40	567 Rents.....	0	0
41	Total Operation	4,783,788	507,495
42	Maintenance:		
43	568 Maintenance Supervision and Engineering.....	0	0
44	569 Maintenance of Structures.....	0	0
45	570 Maintenance of Station Equipment.....	0	0
46	571 Maintenance of Overhead Lines.....	0	0
47	572 Maintenance of Underground Lines.....	0	0
48	573 Maintenance of Miscellaneous Transmission Plant.....	0	0
49	Total Maintenance	0	0
50	Total Transmission Expenses	4,783,788	507,495

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation Supervision and Engineering	174,091	(34,752)
4	581 Load Dispatching		0
5	582 Station Expenses	5,163	4,033
6	583 Overhead Line Expenses	45,849	788
7	584 Underground Line Expenses		0
8	585 Street Lighting and Signal System Expenses		0
9	586 Meter Expenses	43,306	(3,771)
10	587 Customer Installations Expenses	14,271	(8,434)
11	588 Miscellaneous Distribution Expenses	139,640	(15,341)
12	589 Rents	0	0
13	Total Operation	422,320	(57,477)
14	Maintenance:		
15	590 Maintenance supervision and engineering	63,545	1,778
16	591 Maintenance of Structures	33,980	(5,482)
17	592 Maintenance of Station Equipment	340,956	32,997
18	593 Maintenance of Overhead Lines	781,256	52,391
19	594 Maintenance of Underground Lines	16,778	(35,279)
20	595 Maintenance of Line Transformers	37,547	(35,319)
21	596 Maintenance of Street Lighting and Signal Systems....	79,029	(2,454)
22	597 Maintenance of Meters	0	0
23	598 Maintenance of Miscellaneous Distribution Plant	0	0
24	Total Maintenance	1,353,091	8,632
25	Total Distribution Expenses	1,775,411	(48,845)
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter Reading Expenses	39,406	5,325
30	903 Customer Records and Collection Expenses	340,350	(1,597)
31	904 Uncollectable Accounts	84,098	34,111
32	905 Miscellaneous Customer Accounts Expenses	0	0
33	Total Customer Accounts Expenses	463,854	37,839
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and Selling Expenses	186,598	64,522
38	913 Advertising Expenses	0	0
39	916 Miscellaneous Sales Expense	0	0
40	Total Sales Expenses	186,598	64,522
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Salaries	351,298	(41,488)
44	921 Office Supplies and Expenses	121,648	(28,583)
45	922 Administrative Expenses Transferred - Cr		0
46	923 Outside Services Employed	57,709	(8,904)
47	924 Property Insurance	176,450	(31,947)
48	925 Injuries and Damages	27,986	(6,995)
49	926 Employees Pensions and Benefits	408,011	(399,915)
50	928 Regulatory Commission Expenses		0
51	929 Duplicate Charges - Cr		0
52	930 Miscellaneous General Expenses	122,958	(9,670)
53	931 Rents		
54	Total Operation	1,266,060	(527,502)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE EXPENSES		
2	Maintenance:		
3	932 Maintenance of General Plant.....	129,027	(32,645)
4	933 Transportation expense.....		
5	Total Maintenance	129,027	(32,645)
6	Total Administrative and General Expenses	1,395,087	(560,147)
7	Total Electric Operation and Maintenance Expenses	27,230,971	(3,087,884)

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			
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)..... 90.69%
- 24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts..... 3,176,089
- 25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) 35

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)								
			Electric (Acct. 408, 409) (c)	Gas (Acct. 408, 409) (d)	(e)	(f)	(g)	(h)	(i)	(j)	
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					
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					
49					
50					
51	TOTALS	\$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.....	\$21,001			\$21,001
4	Contract Work.....				
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	\$21,001	\$0	\$0	\$21,001
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)	\$21,001.00	\$0.00	\$0.00	\$21,001.00

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.

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

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.

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)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

NOT APPLICABLE

SALES FOR RESALE (Account 447) - Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f).. The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of Kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sale may be grouped.

Type of Demand Reading (l)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
	TOTALS	0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000	35

NOT APPLICABLE

PURCHASED POWER (Account 555)

1. Report power purchased for resale during the year. Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.

Authorities. For each purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.

2. Provide subheadings and classify sales 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

3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

Line No.	Purchased From	Statistical Classification	Import Across State Lines	Point of Receipt	Substation	Kw or Kva Demand (Specify Which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Stonybrook Intermediate	FP	X	ROLFE/CENTECH SUBS	RS/CS	13,413	Monthly Maximum Demand	
2	Nuclear Mix 1 (Seabrook)	O		ROLFE/CENTECH SUBS	RS/CS	82		
3	Nuclear Mix 1 (Millstone)	O	X	ROLFE/CENTECH SUBS	RS/CS	835		
4	Nuclear Project 3 (Millstone)	O	X	ROLFE/CENTECH SUBS	RS/CS	1,827		
5	Nuclear Project 4 (Seabrook)	O	X	ROLFE/CENTECH SUBS	RS/CS	2,450		
6	Nuclear Project 5 (Seabrook)	O	X	ROLFE/CENTECH SUBS	RS/CS	302		
7	W.F. Wyman	O	X	ROLFE/CENTECH SUBS	RS/CS	2,581		
8	Project 6 (Seabrook)	O	X	ROLFE/CENTECH SUBS	RS/CS	3,782		
9	Transmission Charges	O	X	ROLFE/CENTECH SUBS	RS/CS			
10	Hydro Quebec							
11								
12	System Power			ROLFE/CENTECH SUBS	RS/CS			
13	Berkshire Wind Power Cooperative	DP		ROLFE/CENTECH SUBS	RS/CS			
14	Ashuelot/Lower Robertson Hydro	O		ROLFE/CENTECH SUBS	RS/CS			
15		O	X	TOWN LINE				
16	Select Energy Transfers							
17	ConEdison					2,500		
18	New York Power Authority	FP	X	ROLFE AVE. SUB.	RS	2,255		
19	Eagle Creek	O		TOWN LINE		1,500		
20	Hancock Wind	O	X	TOWN LINE	RS	3,329		
21								
22								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
38								
39								
40								
41								

PURCHASED POWER (Account 555) - Continued

(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

should be furnished whether or not used in the determination of demand charges. Show in column (l) type of demand 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	4,165,015	\$949,795	\$213,865	7,700	\$1,171,360	0.2812	1
60 MINUTES	115 kv	802,683	\$23,233	\$5,080	51	\$28,364	0.0353	2
60 MINUTES	115 kv	6,699,146	\$230,552	\$44,996	5,710	\$281,258	0.0420	3
60 MINUTES	115 kv	14,486,732	\$954,555	\$97,392	12,347	\$1,064,293	0.0735	4
60 MINUTES	115 kv	22,920,649	\$1,136,906	\$145,244	1,442	\$1,283,592	0.0560	5
60 MINUTES	115 kv	2,827,363	\$153,934	\$17,894	178	\$172,006	0.0608	6
60 MINUTES	115 kv	357,983	(\$31,961)	\$32,145	2,753	\$2,937	0.0082	7
60 MINUTES	115 kv	35,383,874	\$2,650,131	\$224,519	2,752	\$2,877,402	0.0813	8
60 MINUTES	115 kv							9
								10
								11
		127,981,450		\$7,052,911		\$7,052,911	0.0551	12
		6,040,036			653,823	\$653,823	0.1082	13
60 MINUTES	115 kv	2,729,035			160,697	\$160,697	0.0589	14
60 MINUTES	115 kv							15
60 MINUTES	115 kv				(1,200,000)	(\$1,200,000)	N/A	16
		4,413,970		\$291,449		\$291,449	0.0660	17
		15,352,556	\$110,114.00	\$75,535.00	170,635	\$356,284	0.0232	18
60 MINUTES	115 kv	3,472,089		\$179,903.89		\$179,904	0.0518	19
60 MINUTES	115 kv	365,685		\$18,899.10		\$18,899	0.0517	20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
								35
TOTALS		247,998,266	\$6,177,260	\$8,399,833	(181,914)	\$14,395,179	0.0785	

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 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, 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				292,962,143	247,998,266	44,963,877	3,732,969
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	292,962,143	247,998,266	44,963,877	\$3,732,969

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO INTERCHANGE	INTERCHANGE EXPENSE	\$3,367,807
14		NEPOOL EXPENSE	365,162
15			
16			
17			
18			
19			
20			
21		TOTALS	\$3,732,969

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)
SOURCES OF ENERGY		
1		
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	314,398
7	Total generation.....	314,398
8	Purchases.....	292,962,143
9	{ In (gross)	292,962,143
10	Interchanges..... { Out (gross)	245,269,233
11	{ Net (Kwh).....	47,692,910
12	{ Received.....	245,269,233
13	Transmission for/by others (Wh)..... { Delivered.....	
14	{ Net (kwh).....	245,269,233
15	TOTAL	293,276,541
DISPOSITION OF ENERGY		
16		
17	Sales to ultimate consumers (including interdepartmental sales).....	276,941,746
18	Sales for resale.....	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	1,302,991
22	Energy losses:	
23	Transmission and conversion losses.....	
24	Distribution losses.....	
25	Unaccounted for losses.....	15,031,804
26	Total energy losses.....	15,031,804
27	Energy losses as percent of total on line 15..... 5.13%	
28	TOTAL	293,276,541

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.

2. Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange mission or wheeling. Total for the year should agree with line 15 above.

3. State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)

4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange mission or wheeling. Total for the year should agree with line 15 above.

5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

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.

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	49,981	Tues	19	19:00	60 min	27,021,551
30	FEB	49,550	Mon	15	19:00	"	24,569,033
31	MAR	43,350	Thur	3	19:00	"	23,334,559
32	APR	43,416	Mon	4	20:00	"	21,161,285
33	MAY	48,492	Sat	28	18:00	"	22,262,695
34	JUNE	49,107	Wed	29	19:00	"	23,631,759
35	JULY	59,714	Fri	22	18:00	"	28,879,585
36	AUG	59,877	Fri	12	15:00	"	28,949,767
37	SEPT	54,475	Fri	9	17:00	"	23,111,068
38	OCT	39,755	Thur	27	19:00	"	21,415,808
39	NOV	42,985	Mon	21	19:00	"	22,236,464
40	DEC	49,939	Fri	16	19:00	"	26,702,967
41						TOTAL	293,276,541

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	314,398		
13	Cost of plant (omit cents):			
14	Land and land rights	\$4,737		
15	Structures and improvements	\$278,510		
16	Reservoirs, dams, and waterways			
17	Equipment costs	\$5,434,168		
18	Roads, railroads, and bridges			
19	Total cost	\$5,717,415	\$0	\$0
20	Cost per kw of installed capacity	\$416	#DIV/0!	#DIV/0!
21	Production expenses:			
22	Operation supervision and engineering	34,643		
23	Station labor			
24	Fuel	48,604		
25	Supplies and expenses, including water			
26	Maintenance	46,192		
27	Rents			
28	Steam from other sources			
29	Steam transferred -- Credit			
30	Total production expenses	129,439	\$0.00	\$0.00
31	Expenses per net Kwh (5 places)	0.4117	#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		
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
						21
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						30
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						34
						35
						36
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						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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32							
33							
34							
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 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.

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.
- *+ Should 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				
8							
9							
10							
11							
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18							
19							
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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. (l)	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
										10
										11
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										36
										37
										38
										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	ELECTROMOTIVE	1975	2	DIRECT
5							
6							
7	PEAKING PLANT	OFF RT 9	DIESEL	ELECTROMOTIVE	1978	2	DIRECT
8							
9							
10							
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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 (l)	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
									2
3600	7200	1975	4160	3 PH	60	2750	2	5500	3
									4
									5
									6
3600	7200	1978	4160	3 PH	60	2750	1	2750	7
									8
									9
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TOTALS									

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) (l)
								Labor (h)	Fuel (i)	Other (j)		
1												
2												
3												
4												
5												
6												
7												
8												
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22												
23												
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26												
27												
28												
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								
2								
3								
4								
5								
6								
7								
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33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47	TOTALS							

* 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 substation, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (c), (d), and (e) 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 Trans-formers In Service (g)	Number of Spare Trans-formers (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	DISTRIBUTION	115	69	13.80	112	2				
2		UNATTENDED	kV	kV	kV						
3											
4											
5	LOGAN SUBSTATION	DISTRIBUTION	69	13.8	4.60	66	2				
6		UNATTENDED	kV	kV	kV						
7											
8											
9	JOHNSON SUBSTATION	DISTRIBUTION	13.8	4.16		13	2				
10		UNATTENDED	kV	kV							
11											
12											
13	PEAKING PLANT	POWER SUPPLY	4.16	13.8		19	2				
14		UNATTENDED	kV	kV							
15											
16											
17	JOHNSON SUBSTATION	DISTRIBUTION	69	13.80		93	2				
18		UNATTENDED	kV	kV							
19											
20	ROLFE AVE SUB DISTRIBUTION 2002	DISTRIBUTION	115	13.80							
21		UNATTENDED	kV	kV		100	2				
22											
23											
24	CENTECH SUBSTATION	DISTRIBUTION	115	13.80		120	2				
25		UNATTENDED	kV	kV							
26											
27											
28											
29											
30											
31											
32											
						TOTALS	402	12	0		

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	192.36		192.36
2	Added During Year	0.00		0.00
3	Retired During Year	2.00		2.00
4	Miles - End of Year	190.36		190.36
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (Kva)
16	Number at beginning of year.....	14,050	18,307	4,211	208,232
17	Additions during year:				
18	Purchased.....		192	50	3,023
19	Installed.....	75	88	72	4,288
20	Associated with utility plant acquired.....				
21	Total additions.....	75	280	122	7,311
22	Reduction during year:				
23	Retirements.....	10	192	14	2,234
24	Associated with utility plant sold.....			64	
25	Total reductions.....	10	192	78	2,234
26	Number at End of Year.....	14,115	18,395	4,255	213,309
27	In Stock.....				
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....				
31	In Companys' Use.....				
32	Number at End of Year.....		0	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	100.86	139.14	13,800		
4						
5						
6						
7						
8						
9						
10						
11						
12						
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28						
29						
30						
31						
32						
33						
34	TOTALS	121.05	167.65			

*Indicate number of conductors per cable.

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 *****		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....

Mayor



MICHAEL HALE

.....
Manager of Electric Light



MICHAEL REFOLO



ROBERT HOLLAND



ANTHONY TRIPPI



MARIA LEMIEUX

.....

KELLY MARSHALL

Selectmen
or
Members
of the
Municipal
Light
Board

**SHREWSBURY ELECTRIC & CABLE OPERATIONS
ELECTRIC RATE SCHEDULES
FOR BILLS ISSUED EFFECTIVE APRIL 1, 2016**

Rate	Blocks	Distribution Rate	Generation and Transmission Adjustment	Transmission Charge	PASNY Credit	Standard (Generation) Service	Total Price
R-1	Cust. Chge. Per kWh	\$2.90 \$.02700	\$-0.0013	\$0.01831	-\$0.005	\$0.07655	\$2.90 \$0.12016
RWH	Cust. Chge. Per kWh	\$3.40 \$.01950	\$-0.0013	\$0.01338	-\$0.005	\$0.07655	\$3.40 \$0.10733
C	Cust. Chge. Per kWh	\$12.00 \$.02800	\$-0.0013	\$0.01620		\$0.07655	\$12.00 \$ 0.12405
GS-1	Cust. Chge. Per kWh Demand	\$50.00 \$.00800	\$-0.0013	\$0.01563		\$0.07655 \$4.15/kW	\$50.00 \$ 0.10348 \$ 4.15
GS-2	Cust. Chge. Per kWh Demand	\$50.00 \$.00600	\$-0.0013	\$0.01402		\$0.07655 \$4.15/kW	\$50.00 \$ 0.09987 \$ 4.15
M-1	Cust. Chge. Per kWh	\$2.90 \$.02032	\$-0.0013	\$0.01609		\$0.07655	\$2.90 \$0.11626

The Generation and Transmission Adjustment Component is the rate mechanism similar to what many other electric utilities use to recover fluctuating purchased power costs. This adjustable rate component enables SELCO to recover these fluctuating wholesale power and transmission costs as they occur without overcharging or undercharging customers through fixed retail rates.