

# **RETURN**

OF THE

# MANSFIELD LIGHTING PLANTS

TOWN OF MANSFIELD

TO THE

# DEPARTMENT OF PUBLIC UTILITIES

**OF MASSACHUSETTS** 

For the Year Ended December 31,

2011

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

Official Title: Director

Gary Babin

Office Address:

6 Park Row

Mansfield, MA 02048

Form Ac19

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		GENERAL INF	FORMATION		Page 3
1.	Name of town (or city) making	ng this report.			Mansfield
2.	If the town (or city) has acq	uired a plant,			
	Kind of plant, whether gas	or electric.			Electric
	Owner from whom purchas	sed, if so acquired	l.		
	Date of votes to acquire a pl June 25, 1903	lant in accordance	e with the provision	s of chapter 164 of the Gen	eral Laws.
	Record of votes: First Vote	- 4 Yes,; 1 No			
	Date when town (or city) beg	gan to sell electric	ity, 1903		
3.	Name and address of mana	ager of municipal	lighting:		
	William Ross, Mgr.	6 Lauren Lane		Mansfield, MA 02048	
4.	Name and address of mayo	or or selectmen			
	Douglas Annino	151 Tremont Str	reet	Mansfield, MA 02048	
	Jess Aptowicz	30 Fieldstone D	rive	Mansfield, MA 02048	
	George Dentino	2 Gladiola Terra	ace	Mansfield, MA 02048	
	Olivier Kozlowski	22 Tracy Circle		Mansfield, MA 02048	
	Kevin Moran	350 Central Str	eet	Mansfield, MA 02048	
5.	Name and address of town	(or city) treasure	:		
	Roxanne Donovan	347 Mill Street		Mansfield, MA 02048	
6.	Name and address of town	(or city) clerk:			
	Helen Christian	11 Fawn Lane		Mansfield, MA 02048	
7.	Names and addresses of m	nembers of munic	ipal light board:		
	Same as Selectmen				
8.	Total valuation of estates in (taxable)	town (or city) ac	cording to last state	valuation	\$3,079,421,780
9.	Tax rate for all purposes du			al and Personal Property	\$14.29 \$18.50
	. Amount of manager's sala			n Ross - Mgr Part time abin - Director	\$10,000 \$133,952
	. Amount of manager's bond				\$0
12	. Amount of salary paid to m	embers of munici	pal light board (eac	h)	\$0

# 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		
2	FROM SALE OF ELECTRICITY		31,843,261
3	FROM RATE STABILIZATION FUND		0
4		TOTAL	31,843,261
5	Expenses:		
6	For operation, maintenance and repairs		25,944,856
7	For interest on bonds, notes or scrip		
8	For depreciation fund ( 5% on \$ 40,662,084 as per page 8B )		2,033,104
9	For sinking fund requirements		
10	For note payments		
11	For bond payments		
12	For loss in preceding year		
13		TOTAL	27,977,960
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		676,141
19	Of electricity to be used for street lights		75,816
20	Total of the above items to be included in the tax levy		751,957
21			
22	New construction to be included in the tax levy		
23	Total amounts to be included in the tax levy		751,957
_			

### **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

	Number of Customers Meters, December 3		Number of Customers Meters, December 31	City or Town
30	9,6	Mansfield	NONE	
30	9,6	TOTAL		

Annual Report of Man	sfield Municipal Electric D	epartment		Year Ended Dece	5 2011 mber 31
	APPRO	PRIATIONS SIN	NCE BEGINNING OF YEA	R	
			evy, even where no approp	riation is made or required	.)
	N OR PURCHASE OF PL		1- h!d f (	•	
* At * At	meeting meeting	19 19	, to be paid from { , to be paid from {	\$	
At	meeting	13	, to be paid from (	·	
			Y TO BE USED BY THE C		7E 040
					75,816 676,141
2. Wallelpar Ballalli	95				070,141
				\$	751,957
Date of moeting	and whother regular o	r cnocial (	Horo insert hands not	ros or tay low	
Date of frieeting a	and whether regular o		Here insert bonds, not	les of tax levy	
			THE PROPERTY		
	the important physical cha the works or physical pro		perty during the last fiscal	period including additions,	alterations
or improvements to	o the works or physical pro	operty retired.			
In electric property	:	N	IONE		
In gas property:					

Year Ended December 31 2011

3 361 Structures and Improvements		TOTAL COST OF PLANT - ELECTRIC (Continued)						
1			Beginning of Year					End of Year
2 360 Land and Land Rights 3 125,705	1		(-/	(0)	(-/	(-)	(1)	(5)
3 361 Structures and Improvements	2		125.705	187.500				313,205
4 362 Station Equipment 5 363 Storage Battery Equipment 6 364 Poles, Towers and Fixtures 7 365 Overhead Conductors and Devices 8 366 Underground Conductors and Devices 9 367 Underground Conductors & Devices 9 367 Underground Conductors & Devices 10 368 Line Transformers 10 369 Line Transformers 10 34,794,123 10 Line Transformers 10 46,724 10 Line Transformers 10 46,724 10 Line Transformers 10 5,755,614 10 Line Transformers 11,059,445 11,059,445 12,974 11,03, 12,974 11,03, 13,71 Installation on Cust's Premises 10,059,445 11,059,445 12,974 11,03, 12,974 11,03, 13,974 12,933 13,976 10 0 0 36,269, 13,976 13,976 13,976 13,976 14,978 14,978 15,547 15,541 15,5410 1								625,783
5 363 Storage Battery Equipment       1,376,946       174,434       1,551         6 364 Poles, Towers and Fixtures       1,287,804       61,318       7,851       1,341         7 365 Overhead Conductors and Devices       6,337,721       155,410       2,758       6,490         8 366 Underground Conductors & Devices       6,537,721       155,410       2,758       6,490         9 367 Underground Conductors & Devices       6,555,614       52,587       9,608         10 368 Line Transformers       3,179,336       28,670       19,793       3,188         11 369 Services       954,211       14,898       9,699         12 370 Meters       1,05,445       46,724       2,974       1,103         13 371 Installation on Cust's Premises       184,477       2,333       186         13 373 Street Light and Signal Systems       804,101       14,813       86         15 373 Street Light and Signal Systems       804,101       14,813       0         16 Total Distribution Plant       34,794,123       1,506,870       33,376       0       0       36,269         17 5 SENERAL PLANT       0       0       30,249       0       0       0       36,269         18 389 Land and Land rights       0       0				10,630				9,327,036
6 364 Poles, Towers and Fixtures 7 365 Overhead Conductors and Devices 8 366 Underground Condults 9 367 Underground Condults 9 367 Underground Conductors & Devices 10 368 Line Transformers 11 369 Services 12 370 Meters 12 370 Meters 13 371 Installation on Cust's Premises 13 371 Installation on Cust's Premises 14 372 Leased Prop. on Cust's Premises 15 373 Street Light and Signal Systems 16 Total Distribution Plant 17 5. GENERAL PLANT 18 389 Land and Land rights 19 390 Structures and Improvements 10 390 Structures and Improvements 11 394,135 12 393 Stores Equipment 12 393 Stores Equipment 13 393 Systems 14 394 Tools, Shop and Garage Equipment 15 396 Power Operated Equipment 17 398 Miscellaneous Equipment 17 399 Other Tangible Property 17 398 Miscellaneous Equipment 17 390 Total General Plant 18 399 Other Tangible Property 17 398 Miscellaneous Equipment 17 390 Other Tangible Property 17 390 Total General Plant 18 399 Other Tangible Property 17 390 Total Electric Plant in Service 18 1,394,152 19 390 Total Cestro PLANT. 19 390 Structures and Improvement Sales	5	363 Storage Battery Equipment		174,434				1,551,380
7   365 Overhead Conductors and Devices   6,337,721   155,410   2,758   3,490   3,746   3,74			1,287,804	61,318	7,851			1,341,270
9   367 Underground Conductors & Devices   6,555,614   52,587   3,103 86 Line Transformers   3,179,336   28,670   19,793   3,183   3	7	365 Overhead Conductors and Devices	6,337,721	155,410	2,758			6,490,373
10   368 Line Transformers   3,179,336   28,670   19,793   3,188,   13 a69 Services   954,211   14,898   969,   1,103,   371 Installation on Cust's Premises   1,059,445   46,724   2,974   1,103,   371 Installation on Cust's Premises   184,477   2,333   804,101   14,813   818,   818,   15 a73 Street Light and Signal Systems   804,101   14,813   818,   818,   818,   16 Total Distribution Plant   34,794,123   1,506,870   33,376   0   0   36,269,   17	8	366 Underground Conduits	2,988,567	757,554				3,746,121
11   369 Services   954,211   14,898   969,   12   370 Meters   1,059,445   46,724   2,974   1,103,   1,3371 Installation on Cust's Premises   184,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,477   2,333   186,4794,123   1,506,870   33,376   0   0   0   36,269,   39,000   36,2			6,555,614	52,587				6,608,201
11   369 Services   954,211   14,898   969,   12   370 Meters   1,059,445   46,724   2,974   1,103,   1,033,   1,031,			3,179,336	28,670	19,793			3,188,212
13 371 Installation on Cust's Premises 14 372 Leased Prop. on Cust's Premises 184,477	11	369 Services	954,211	14,898				969,109
14 372 Leased Prop. on Cust's Premises       184,477       2,333       186,         15 373 Street Light and Signal Systems       804,101       14,813       818,         16 Total Distribution Plant       34,794,123       1,506,870       33,376       0       0       36,269,         17 S GENERAL PLANT       5. GENERAL PLANT       0       0       0       36,269,         18 389 Land and Land rights       0       0       0       0       1,394,         20 391 Office Furniture and Equipment       429,608       8,730       1,394,       1,394,         21 392 Transportation Equipment       429,608       8,730       1,744,       30,398       1,744,         23 393 Stores Equipment       30,398       30,398       30,398       30,392       392,         23 394 Tools, Shop and Garage Equipment       381,855       10,395       392,       392,         24 395 Laboratory Equipment       17,334       3,400       20,       20,         25 396 Power Operated Equipment       17,334       3,400       20,       71,         26 397 Communication Equipment       104,537       5,947       110,       162,         29 Total General Plant       4,094,152       298,322       0       0       0	12	370 Meters	1,059,445	46,724	2,974			1,103,195
15   373 Street Light and Signal Systems   804,101			0					0
Total Distribution Plant   34,794,123   1,506,870   33,376   0   0   36,269,			184,477	2,333				186,810
17   5. GENERAL PLANT   389 Land and Land rights   0   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,394,135   1,744,139,139   1,744,139,139   1,744,139,139   1,744,139,139   1,744	15		804,101	14,813				818,915
18       389 Land and Land rights       0       19       390 Structures and Improvements       1,394,135       1,394,144       1,392,144       1,744,144       1,744,144       1,744,144       1,744,144       1,392,144       1,392,144       1,395,144	16	Total Distribution Plant	34,794,123	1,506,870	33,376	0	0	36,269,610
19 390 Structures and Improvements	17	5. GENERAL PLANT						
20   391 Office Furniture and Equipment   429,608   8,730   254,078   1,744,   22   393 Stores Equipment   30,398   394 Tools, Shop and Garage Equipment   17,334   3,400   20,   25   396 Power Operated Equipment   27,432   27,   26   397 Communication Equipment   104,537   5,947   110,   28   399 Other Tangible Property   147,829   14,437   162,   398,888,275   1,805,193   33,376   0   0   40,662,   31   399 Other Control of the property   38,888,275   1,805,193   33,376   0   0   40,662,   31   399 Other Control of the property   1,805,193   33,376   0   0   0   40,662,   31   399 Other Control of the property   1,805,193   33,376   0   0   0   40,662,   31   399 Other Control of the property   1,805,193   33,376   0   0   0   40,662,   31   31   31   31   31   31   31   3	18	389 Land and Land rights	0					0
21   392 Transportation Equipment   1,490,462   254,078   1,744,   22   393 Stores Equipment   30,398   394 Tools, Shop and Garage Equipment   381,855   10,395   392,   24   395 Laboratory Equipment   17,334   3,400   20,   25   396 Power Operated Equipment   27,432   27,   26   397 Communication Equipment   70,562   1,335   71,   27   398 Miscellaneous Equipment   104,537   5,947   110,   28   399 Other Tangible Property   147,829   14,437   162,   29   Total General Plant   4,094,152   298,322   0   0   0   0   4,392,   30   Total Electric Plant in Service   38,888,275   1,805,193   33,376   0   0   0   40,662,   31   399 Other Cost Of Plant   100,0000   100,	19	390 Structures and Improvements	1,394,135					1,394,135
22       393 Stores Equipment       30,398       30,4 Tools, Shop and Garage Equipment       381,855       10,395       392,4 Tools, Shop and Garage Equipment       381,855       10,395       392,4 Tools, Shop and Garage Equipment       392,4 Tools, Shop and Garage Equipment       20,4 Tools, Shop and Garage Equipment	20	391 Office Furniture and Equipment	429,608	8,730				438,338
23 394 Tools, Shop and Garage Equipment 381,855 10,395 20, 24 395 Laboratory Equipment 17,334 3,400 20, 25 396 Power Operated Equipment 27,432 27, 26 397 Communication Equipment 70,562 1,335 71, 27 398 Miscellaneous Equipment 104,537 5,947 110, 28 399 Other Tangible Property 147,829 14,437 162, 29 Total General Plant 4,094,152 298,322 0 0 0 0 4,392, 30 Total Electric Plant in Service 38,888,275 1,805,193 33,376 0 0 0 40,662, 31				254,078				1,744,540
24       395 Laboratory Equipment       17,334       3,400       20,         25       396 Power Operated Equipment       27,432       27,         26       397 Communication Equipment       70,562       1,335       71,         27       398 Miscellaneous Equipment       104,537       5,947       110,         28       399 Other Tangible Property       147,829       14,437       62,         29       Total General Plant       4,094,152       298,322       0       0       0       4,392,         30       Total Electric Plant in Service       38,888,275       1,805,193       33,376       0       0       0       40,662,         TOTAL COST OF PLANT								30,398
25 396 Power Operated Equipment 27,432 27,26 397 Communication Equipment 70,562 1,335 71, 27 398 Miscellaneous Equipment 104,537 5,947 110, 28 399 Other Tangible Property 147,829 14,437 162, 29 Total General Plant 4,094,152 298,322 0 0 0 0 4,392, 30 Total Electric Plant in Service 38,888,275 1,805,193 33,376 0 0 0 40,662, 31 TOTAL COST OF PLANT								392,250
26 397 Communication Equipment     70,562     1,335     71,       27 398 Miscellaneous Equipment     104,537     5,947     110,       28 399 Other Tangible Property     147,829     14,437     62,       29 Total General Plant     4,094,152     298,322     0     0     0     4,392,       30 Total Electric Plant in Service     38,888,275     1,805,193     33,376     0     0     40,662,       31     TOTAL COST OF PLANT				3,400				20,734
27 398 Miscellaneous Equipment     104,537     5,947     110,       28 399 Other Tangible Property     147,829     14,437     162,       29 Total General Plant     4,094,152     298,322     0     0     0     4,392,       30 Total Electric Plant in Service     38,888,275     1,805,193     33,376     0     0     40,662,       31     TOTAL COST OF PLANT								27,432
28     399 Other Tangible Property     147,829     14,437     162,       29     Total General Plant     4,094,152     298,322     0     0     0     4,392,       30     Total Electric Plant in Service     38,888,275     1,805,193     33,376     0     0     40,662,       31     TOTAL COST OF PLANT								71,897
29     Total General Plant     4,094,152     298,322     0     0     0     4,392,       30     Total Electric Plant in Service     38,888,275     1,805,193     33,376     0     0     40,662,       31     TOTAL COST OF PLANT								110,484
30 Total Electric Plant in Service 38,888,275 1,805,193 33,376 0 0 40,662, 31 TOTAL COST OF PLANT								162,266
TOTAL COST OF PLANT							0	4,392,474
	30	Total Electric Plant in Service	38,888,275	1,805,193			0	40,662,084
					TOTAL COST OF P	LANT		
	32							
33 Less Cost of Land, Land Rights, and Rights of Way 313,	33				Less Cost of Land, Land Ri	ghts, and Rights of Way		313,205
Total Cost upon which depreciation is based 40,348,	34				Total Cost upon which de	preciation is based		40,348,879

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 Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	APPROPRIATIONS	(~)		
100	201 Appropriations for Construction			
3	SURPLUS			
4	205 Sinking Fund Reserves			
	206 Loans Repayment			
	207 Appropriations for Construction Repayment	57,239	57,239	0
	208 Unappropriated Earned Surplus (P. 12)	34,461,536	37,198,875	2,737,339
8	Total Surplus	34,518,775	37,256,114	2,737,339
9	LONG TERM DEBT			
10	221 Bonds (P. 6)			
	231 Notes Payable (P 7)			
12	Total Bonds and Notes			
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable	2,129,273	1,730,174	(399,099)
	234 Payables to Municipality			0
	235 Customer Deposits	753,284	835,978	82,694
17	236 Taxes Accrued	74,727	70,864	(3,863)
18	237 Interest Accrued			0
19	242 Miscellaneous Current and Accrued Liabilities	678,566	988,318	309,752
20	Total Current and Accrued Liabilities	3,635,850	3,625,334	(10,516)
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt			
23	252 Customer Advance for Construction			
24	253 Other Deferred Credits			
25	Total Deferred Credits			
26	RESERVES			
27	260 Reserves for Uncollectable Accounts	194,712	203,856	9,144
	261 Property Insurance Reserve			0
	262 Injuries and Damages Reserves			0
30	263 Pensions and Benefits			0
31	265 Miscellaneous Operating Reserves	1,618,314	1,633,660	15,346
32	Total Reserves	1,813,026	1,837,517	24,491
33	CONTRIBUTIONS IN AID OF			
	CONSTRUCTION			
34	271 Contributions in Aid of Construction			
35	Total Liabilities and Other Credits	39,967,651	42,718,964	2,751,313

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.

# UTILITY PLANT - ELECTRIC (continued)

_		Balance					
		Beginning			Other	Adjustments	Balance
Line	Account	of Year	Additions	Depreciation	Credits	Transfers	End of Year
No.		(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	125,705	187,500				313,205
3	361 Structures and Improvements	267,712		31,020			236,692
4	362 Station Equipment	4,213,632	10,630	463,884			3,760,378
5	363 Storage Battery Equipment	1,180,839	174,434	64,188			1,291,085
6	364 Poles and Fixtures	304,295	61,318	3,297	7,851		354,464
7	365 Overhead Conductors and Devices	3,704,911	155,410	132,452	2,758		3,725,112
8	366 Underground Conduits	1,444,013	757,554	147,912			2,053,655
9	367 Underground Conductors and Devices	3,328,691	52,587	317,694			3,063,584
10	368 Line Transformers	459,412	28,670	140,996	19,793		327,292
11	369 Services	121,527	14,898	47,442			88,983
12	370 Meters	157,566	46,724	49,358	2,974		151,958
13	371 Installation on Cust's Premises	0					0
	372 Leased Prop. on Cust's Premises	3,372	2,333	132			5,573
15	373 Street Light and Signal Systems	14,696	14,813	11,040			18,470
16	Total Distribution Plant	15,326,372	1,506,870	1,409,415	33,376	0	15,390,451
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0					0
19	390 Structures and Improvements	738,407		69,708			668,699
20	391 Office Furniture and Equipment	3	8,730				8,733
21	392 Transportation Equipment	732,799	254,078	74,526			912,351
22	393 Stores Equipment	19,311		1,524			17,787
23	394 Tools, Shop and Garage Equipment	202,470	10,395	19,104			193,761
24	395 Laboratory Equipment	6,113	3,400	864			8,649
25	396 Power Operated Equipment	0		684			(684)
26	397 Communication Equipment	7,078	1,335	3,534			4,879
27	398 Miscellaneous Equipment	72,456	5,947	4,764			73,639
28	399 Other Tangible Property	24,537	14,437	7,392			31,582
29	Total General Plant	1,803,174	298,322	182,100	0	0	1,919,396
30	Total Electric Plant in Service	17,129,546	1,805,193	1,591,515	33,376	0	17,309,847
31	104 Utility Plant leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	133,717	229,720				363,437
	108 Accumulated Depreciation						
34	Total Utility Electric Plant	17,263,263	2,034,912	1,591,515	33,376	0	17,673,285

nnual Report of Mansfield		21 Year Ended December 31, 2011
MISCELLA	NEOUS NON-OPERATING INCOME (Account 421)	
ne	Item	Amount
1. Miss Nos assetias Bausaus	(a)	(b)
Misc. Non-operating Revenue     Reclassifiction of Stores Expenses		19,005 39,753
3		
4 5		
6	TOTAL	58,758
OTHER INCOM	E DEDUCTIONS (Account 426)	
ne	Item	Amoun
lo.	(a)	(b
7 Donations 8 Energy Rebates		51,831 64,175
9 Discounts Allowed		1,392,843
0		
1		
3		
4	TOTAL	1,508,849
MISCELLANEOUS C	REDITS TO SURPLUS (Account 434)	
ne	Item	Amoun
lo.    Flush of Funds Credit from MMWEC	(a)	(b) 616,694
6		010,094
7		
18		
20		
21		
22 23	TOTAL	616,694
	DEBITS TO SURPLUS (Account 435)	010,094
ne	Item	Amoun
10.	(a)	(b
24 Retirement of Plant Equipment		8,167
25 26		
27		
28		
29		
31		
32	TOTAL	8,167
APPRO	PRIATIONS OF SURPLUS (Account 436)	
ne No.	Item (a)	Amoun
33 Town of Mansfield - Payment in Lieu of Ta	axes	(b) 485,000
34		155,000
35		
36		
87		
37 38		
37 38 39 40	TOTAL	485,000

#### **ELECTRIC OPERATING REVENUES (Account 400)**

- 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.

		Operating R	Operating Revenues Kilowatt-hours Sold Average Num Customers pe		Kilowatt-hours Sold		
Line No.	(a)	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)
	SALES OF ELECTRICITY  440 Residential Sales  442 Commercial and Industrial Sales:	11,510,371	(810,571)	81,208,553	(814,638)	8,563	(90
7 8 9	Small (or Commercial) see instr. 5	856,213 18,076,532 1,169,275	(27,683) (1,528,677) (28,764)	4,836,545 123,947,167 8,632,276	(18,781) (5,567,335) 101,629	564 409 93	42 3 (2
11	Total Sales to Ultimate Consumers	31,612,391	(2,395,695)	218,624,541	(6,299,125)	9,629	(47)
13 14	Total Sales of Electricity* OTHER OPERATING REVENUES 450 Forfeited Discounts	31,612,391	(2,395,695)	218,624,541	(6,299,125)	9,629	(47)
16 17 18	451 Miscellaneous Service Revenues	230,870	1,745,735	*Includes revenues	from application of fuel c	lauses	218,624,541
26	Total Other Operating Revenues Total Electric Operating Revenues.	31,843,261	(649,960)				

# 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.

					Average Revenue per K.W.H.	Number of (per Bills	
Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	(cents) *(0.0000) (d)	July 31 (e)	December 31 (f)
1	440	Residential	81,208,553	11,510,371	0.1417	8,572	8,572
2							
3 4		-					
5	442	Commercial	4,836,545	856,213	0.1770	565	557
6		Industrial	123,947,167	18,076,532	0.1458	411	408
7							
8							
9							
10	444	Municipal Building	7,761,926	1,074,668	0.1385	74	71
11		Street Lighting	870,350	94,607	0.1087	22	22
12							
13							
14 15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27 28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39 40							
41							
42							
43							
44							
45							
46							
47							
		JTIMATE CONSUMERS					
49 ( P	age 37 Line 11)		218,624,541	31,612,390	0.1446	9,644	9,630

	ELECTRIC OPERATION AND MAINTENANCE	E 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		
4	542 Maintenance of Structures		
5	543 Maintenance of Reservoirs, Dams and Waterways		
6	544 Maintenance of Electric Plant		
7	545 Maintenance of Miscellaneous Hydraulic Plant		
8	Total Maintenance Total Power Production Expenses - Hydraulic Power		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering		
13	547 Fuel		
14	548 Operation Expenses		
15	549 Miscellaneous Other Power Generation Expenses		
16	550 Rents		
17	Total Operation		
18	Maintenance:		
19	551 Maintenance Supervision and Engineering		
20	552 Maintenance of Structure		
21	553 Maintenance of Generating and Electric Plant		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	Total Maintenance		
24	Total Power Production Expenses - Other Power		
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power	20,019,362	(700,743)
27	556 System Control and Load Dispatching		
28	557 Other Expenses	20,019,362	(700,743)
30	Total Other Power Supply Expenses Total Power Production Expenses	20,019,362	(700,743)
31	TRANSMISSION EXPENSES	20,019,302	(100,143)
32	Operation:		
33	560 Operation Supervision and Engineering		
34	561 Load Dispatching		
35	562 Station Expenses		
36	563 Overhead Line Expenses		
37	564 Underground Line Expenses		
38	565 Transmission of Electricity by Others	2,818,493	64,419
39	566 Miscellaneous Transmission Expenses		
40	567 Rents		
41	Total Operation	2,818,493	64,419
42	Maintenance:		
43	568 Maintenance Supervision and Engineering		
44	569 Maintenance of Structures		
45	570 Maintenance of Station Equipment		
46	571 Maintenance of Overhead Lines		
47	572 Maintenance of Underground Lines		
48	573 Maintenance of Miscellaneous Transmission Plant		
49	Total Maintenance	2 949 402	64 440
50	Total Transmission Expenses	2,818,493	64,419

### **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		
4	933 Transportation expense	125,345	32,224
5	Total Maintenance	125,345	32,224
6	Total Administrative and General Expenses	784,273	(58,819)
7	Total Electric Operation and Maintenance Expenses	25,944,856	(740,634)

### SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Functional Classification	OPERATION	MAINTENANCE	TOTAL
No.	(a)	(b)	(c)	(d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power			
14	Other Power Supply Expenses	20,019,362		20,019,362
15	Total Power Production Expenses	20,019,362		20,019,362
16	Transmission Expenses	2,818,493		2,818,493
17	Distribution Expenses	613,118	884,450	1,497,568
18	Customer Accounts Expenses	825,161		825,161
19	Sales Expenses			
20	Administrative and General Expenses	658,928	125,345	784,273
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	24,935,062	1,009,794	25,944,856

- 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)......
   Total salaries and wages of electric department for year, including amounts charged to oper-
- 25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)

22

# 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.

Repor	t by utility departments the revenues, costs, expenses, and	net income from merchandisi	ng, Jobbing, and contract w		
		Floatsia	C	Other	
	11	Electric	Gas	Utility	T
Line No.	Item	Department	Department	Department	Total
	(a) Revenues:	(c)	(d)	(d)	(e)
2	Merchandising sales, less discounts,				
3	allowances and returns	F 470			F 470
4	Contract Work	5,473			5,473
5	Commissions				
6	Other (List according to major classes)				
7 8					
9					
10	Total Revenues	5,473	\$0.00	\$0.00	5,473
11	Total Revenues	5,415	\$0.00	\$0.00	5,475
12	Contract Function				
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost)				
16	Jobbing/Contract Costs				
17	Labor Materials				
18	Materials				
19					
20					
21					
22 23					
24					
25					
	Colon evenesses				
27	Sales expenses				
28	Customer accounts expenses				
29	Administrative and general expenses				
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	\$0.00	\$0.00	0
51	Net Profit (or Loss)	5,473	\$0.00	\$0.00	5,473
01	Net Front (of Loss)	3,413	φυ.00	φυ.υυ	5,473

### PURCHASED POWER (Account 555)

- Report power purchased for resale during the year.

  Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
- 2. Provide subheadings and classify 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
- Authorities. For each purchase designate statistical classfication in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.
- 3. Report separately firm, dump, amd othe power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

							or Kva Dema pecify Which	
Line No.		Statistical Classification	Import Across State Lines	Point of Receipt	Substation	Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
2 3 4 5 6 7 8 9 10 11 12 13	New York Power Authority Stonybrook Peaking Stonybrook Intermediate Nuclear Mix 1 (Seabrook) Nuclear Project 3 (Millstone) Nuclear Project 4 (Seabrook) Nuclear Project 5 (Seabrook) Nuclear Project 6 (Seabrook) Constellation Energy Transmission Charges Hydro Quebec ISO OATT System Power	FP 0 0 0 0 0 0 0 0 DP	X X X X X X X	GILBERT ST.		1266 12274 17476 110 1132 673 2852 258 5861		

#### PURCHASED POWER (Account 555) - Continued

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

5. It 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 (t). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and

(except interchange power)
nership should be furnished whether or not used in the determination of demand charges. Show in column (I) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

> 6. The number of kilowatt hours purchased should be the quantities shown by the power bills.

7. Explain any amount entered in column (n) such as fuel

			or other adjustments.						
			Cos	t of Energy	(Omit Cents)				
								ents per	
Town of	Voltage	Kilowatt-	Charman	Energy	Other	Total		KWH	
Type of Demand Reading	at which Delivered	hours	Charges	Charges	Charges	Total		cents) 0.0000]	Line
(i)	(j)	(k)	(I)	(m)	(n)	(0)	l t	(p)	No.
60 MINUTES	115 kv	6,882,031	45,630	33,860	97,748	177,237	\$	0.0258	1
60 MINUTES	115 kv	206,627	224,404	34,897	13,912	273,213	\$	1.3223	2
60 MINUTES	115 kv	7,621,966	639,560	517,048	17,278	1,173,886	\$	0.1540	3
60 MINUTES	115 kv	845,513	115,353	7,064	246	122,663	\$	0.1451	4
60 MINUTES	115 kv	9,304,988	900,057	51,779	4,233	956,069	\$	0.1027	5
60 MINUTES	115 kv	5,468,042	478,749	30,509	2,487	511,746		0.0936	6
60 MINUTES	115 kv	20,738,476	1,967,261	172,864	6,026	2,146,151	\$	0.1035	7
60 MINUTES	115 kv	1,875,115	190,039	15,642	545	206,226	\$	0.1100	8
60 MINUTES	115 kv	42,618,717	5,005,231	355,714	12,383	5,373,329	\$	0.1261	9
60 MINUTES	115 kv		1,135,010			1,135,010	1	N/A	10
									11
60 MINUTES	115 kv				101,101	101,101		N/A	12
60 MINUTES	115 kv				2,504,574	2,504,574		N/A	13
60 MINUTES .	115 kv	12,164,745		593,923		593,923	\$	0.0488	14
									15
									16
									17
	1 1								18
									19
									20
									21
									22
									23
	1 1								24
	1 1								25
									26
									27
									28
									29 30
	1 1								31
	1 1								32
									33
									34
	TOTALS	107,726,220	10,701,294	1,813,300	2,760,532	15,275,127			35

- 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 Nonutilies, (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

#### INTERCHANGE POWER (Included in Account 555)

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

	19 (2002)	and the street of the street				Kilowatt-hours		
Line No.	Name of Company	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Received	Delivered	Net Difference	Amount of Settlement
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
2 3 4 5 6 7 8 9 10	NEPEX				234,690,610	112,617,370		7,290,570
12				TOTALS	234,690,610	112,617,370	122,073,240	7,290,570

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

Line No.	Name of Company (i)		Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE		7,056,994
14		NEPOOL EXPENSE		233,576
15				
16				
17				
18				
19				
20				
21			TOTALS	7,290,570

Annual Report of Mansfield Municipal Electric Department

Year Ended December 31 2011

#### **ELECTRIC ENERGY ACCOUNT**

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

Line		Item		Kilowatt-hours
No.		(a)		(b)
1		SOURCES OF ENERGY		
2	Generation (excluding station use):			
3	Steam Gas Tu	rbine Combined Cycle		
4	Nuclear			
5				
6	Other Diesel			
7	Total generation			0
8		<u></u>		107,726,220
9		{ In (gross)	122,073,240	
10	Interchanges	{ Out (gross)		
11		{ Net (Kwh)		122,073,240
12		{ Received		
13	Transmission for/by others (Wh	{ Delivered		
14		{ Net (kwh)		229,799,460
15			·····	
16	DISPOSIT	ION OF ENERGY		
17	Sales to ultimate consumers (including	interdepartmental sales)		218,624,541
18	Sales for resale			
19	Energy furnished without charge			
20	Energy used by the company (excludin	g station use)		
21	Electric department only			
22	Energy losses:			
23	Transmission and conversion losses			0
24	Distribution losses		11,174,919	
25	Unaccounted for losses			
26				11,174,919
27	Energy losses as percent of total on lin	e 15 4.86%		
28			TOTAL	229,799,460

### MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous

1. Report nereunder the information called for pertaining to simultaneous peaks established monthly (in killowatts) and monthly output (in killowatt-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 and plus or minus net transminus temporary deliveries (not interchange) or emergency power to another system.

Monthly peak including such emergency deliveries should be shown in a footnote with a breif explanation as to the nature of the emergency.

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.

- 3. State type of monthly peak reading (instantaneous 15, 30, or 60

#### Town of Mansfield

# 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	January	39,557	Mon	24	19:00	60 min.	20,878,421
30	February	37,411	Tue	1	18:00	60 min.	18,376,880
31	March	34,214	Thu	3	20:00	60 min.	18,943,551
32	April	31,504	Wed	27	14:00	60 min.	17,002,065
33	May	40,449	Tue	31	17:00	60 min.	17,918,535
- 34	June	47,793	Wed	8	18:00	60 min.	19,792,683
35	July	55,685	Fri	22	15:00	60 min.	23,437,728
36	August	48,413	Mon	1	15:00	60 min.	22,094,350
37	September	39,960	Wed	14	15:00	60 min.	18,751,976
38	October	30,499	Thu	27	19:00	60 min.	17,110,179
39	November	31,896	Wed	23	18:00	60 min.	16,798,061
40	December	35,726	Mon	19	18:00	60 min.	18,695,031
41						TOTAL	229,799,460

- 1. Report below rhe 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.
- 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

#### SUBSTATIONS

- Indicate in column (b) the functional character or each substation, designating whether transmission or distribution and whether attended or unattended.
- Show in columns (i), (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, iointly 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.

4	be shown.			others, jointly own	ed with other	s, or operated oth	ierwise than by	co-owner,	or other party is an associat		
				VOLTAGE					Conversion Appar	atus and S	pecial Equipment
		Character				Capacity of	Number	Number			
	Name and Location of Substation					Substation	Of Trans-	of Spare			
		Substation	Primary	Secondary	Tertiary	in Kva	formers	Trans-		Number	Total
Line No.	(a)	(b)	(0)	(d)	(e)	(in Service) (f)	in Service	formers (h)	Type of Equipment (i)	Of Units (j)	Capacity (k)
	(a)	(b)	(c)	(d)	(e)	(1)	(g)	(11)	(1)	U)	(K)
1 2											
3											
4											
5											
6											
7											
8											
	Gilbert Street	Distribution - Unattended		13.8kv	23kv	36,000					
	Gilbert Street Expansion	Distribution - Unattended	115kv	13.8kv		80,000					
11											
12 13											
14											
15											
16											
17	All and the second										
18											
19											
20											
21											
22											
23											
24 25											
26											
27											
28											
29											
30											
31											
32											
					TOTALS	116,000	0	0			

15

# OVERHEAD DISTRIBUTION LINES OPERATED

	Length (Pole Miles)						
ine lo.	Wood Poles	Steel Towers	TOTAL				
1 Miles - Beginning of Year	73.30		73.30				
2 Added During Year	0.00		0.00				
3 Retired During Year	0.00		0.00				
4 Miles - End of Year	73.30		73.30				
6 7 8							
9							
10							
11							
12							
13							
14							

# ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

			Line Transformers	
ne o. Item	Electric Services	Number of Watt-hour Meters	Number	Total Capacity (Kva)
16 Number at beginning of year		9,834	2,005	105,593
17 Additions during year:				
18 Purchased		119	26	900
19 Installed				
20 Associated with utility plant acquired				
21 Total additions		119	26	900
22 Reduction during year:				
23 Retirements		43	16	437
Associated with utility plant sold		40	40	407
25 Total reductions		43	16	437
Number at End of Year		9,910	2,015	106,056
27 In Stock		194	115	4,600
28 Locked Meters' on customers' premises				
29 Inactive Transformers on System				
30 In Customers' Use				
31 In Companys' Use		101		1.000
32 Number at End of Year		194	115	4,600

# STREET LAMPS CONNECTED TO SYSTEM

City				Incandescent		Mercury Vapor		/PE Fluorescent		High Press. Sodium	
Line No.	or Town	Total	Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other	
NO.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(i)	
	Mansfield										
2 3	50 Watt										
	510-354650								2,126	72	
5											
	100 Watt										
7	510-351750								541	18	
	250 Watt										
10	510-354800								118	17	
11											
	400 Watt 510-354700								72	212	
14	010-304700								12	212	
15											
16											
17 18											
19											
20											
21											
22 23											
24											
25											
26											
27 28											
29											
30											
31											
32 33											
34											
35											
36											
37 38											
39											
40											
41											
42 43											
44											
45											
46											
47 48											
49											
50											
51 52	TOTALS	0	0	0	0	0	0	0	2,857	319	

# 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	M.D.P.U.	Rate Schedule	Estimated Effect of Annual Revenues		
Effective	Number			Increases	Decrease
		Generation Charge Change	es as follows:		
		Date New	Rate		
		Jan. 11	.0983		
		Apr. 11	.0998		
		Jul. 11 .	1137		
		Oct. 11	.1130		
			•		

Annual Report of Mansfield Municipal Electric Department	Year Ended December 31 20		
THIS RETURN IS SIGNED UNDER THE PENALTIES	S OF PERJURY		
	Mayor		
William Ross, Mgr.	Manager of Electric Light		
Douglas Annino			
Jess Aptowicz  Corge Dentino	Selectmen or Members of the Municipal Light Board		
Olivier Kozlowski  Kevin Morcen  Kevin Moran	board		