



The Commonwealth of Massachusetts

RETURN
OF THE
MANSFIELD MUNICIPAL ELECTRIC
DEPARTMENT
TOWN OF MANSFIELD

TO THE
DEPARTMENT OF
PUBLIC UTILITIES
OF MASSACHUSETTS

For the Calander Year Ended December 31,

2020

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

Official Title: General Manager

Joseph Sollecito
Office Address: 125 High Street
Mansfield, MA 02048

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GENERAL INFORMATION		Page 3
1. Name of town (or city) making this report.	Mansfield	
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.	June 25, 1903	
Record of votes: First Vote - 4 Yes,; 1 No		
Date when town (or city) began to sell electricity, 1903		
3. Name and address of manager of municipal lighting:		
Joseph Sollecito	317 Crane Ave South	Taunton, MA 02780
4. Name and address of mayor or selectmen		
Steve Schoonveld	21 Newton Street	Mansfield, MA 02048
Jess Aptowitz	30 Fieldstone Drive	Mansfield, MA 02048
Neil Rhein	11 Old North Trail	Mansfield, MA 02048
Michael A. Trowbridge	4 Suzanne Lane	Mansfield, MA 02048
Frank Delvecchio	38 Old North Trail	Mansfield, MA 02048
5. Name and address of town (or city) treasurer:		
Jacqueline Boudreau	285 East Main Street Apt 8	Norton, MA 02766
6. Name and address of town (or city) clerk:		
Marianne Staples	147 South Main St Unit 204	Mansfield, MA 02048
7. Names and addresses of members of municipal light board:		
Same as Selectmen		
8. Total valuation of estates in town (or city) according to last state valuation (taxable)	\$4,029,886,828	
9. Tax rate for all purposes during the year:	Residential	\$15.36
	Commercial, Industrial and Personal Property	\$22.58
10. Amount of manager's salary:	Joseph Sollecito - Director	\$176,160
11. Amount of manager's bond:		\$0
12. Amount of salary paid to members of municipal light board (each)		\$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	24,641,515
3	FROM RATE STABILIZATION FUND.....	0
4	TOTAL	24,641,515
5	Expenses:	
6	For operation, maintenance and repairs.....	19,977,239
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund	1,157,558
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13	TOTAL	21,134,796
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.....	852,137
19	Of electricity to be used for street lights.....	96,745
20	Total of the above items to be included in the tax levy.....	948,882
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	948,882

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' Meters, December 31.
	NONE	Mansfield	10,362
		TOTAL	10,362

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 {	\$	_____

* 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.....	\$	96,745
-----------------------	----	--------

2. Municipal Buildings.....	852,137
-----------------------------	---------

\$ 948,882

*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: NONE

In gas property:

Annual Report of Mansfield Municipal Electric Department							8B
TOTAL COST OF PLANT - ELECTRIC (Continued)							Year Ended December 31 2020
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	313,205					313,205
3	361 Structures and Improvements	679,104	270				679,374
4	362 Station Equipment	15,868,389	1,124,547				16,992,935
5	363 Storage Battery Equipment	3,115,906	205,486				3,321,391
6	364 Poles, Towers and Fixtures	1,726,975	103,599				1,830,574
7	365 Overhead Conductors and Devices	8,409,091	135,037				8,544,128
8	366 Underground Conduits	6,151,649	14,912				6,166,561
9	367 Underground Conductors & Devices	9,473,449	119,730				9,593,179
10	368 Line Transformers	3,375,317	143,046				3,518,363
11	369 Services	1,136,366	28,113				1,164,479
12	370 Meters	1,545,455	298,198	19,116			1,824,537
13	371 Installation on Cust's Premises	0	0				0
14	372 Leased Prop. on Cust's Premises	227,254	3,295	3,681			226,868
15	373 Street Light and Signal Systems	1,362,236	52,782				1,415,018
16	Total Distribution Plant	53,384,396	2,229,014	22,797	0	0	55,590,613
17	5. GENERAL PLANT						
18	389 Land and Land rights	0	0				0
19	390 Structures and Improvements	1,908,342	91,994				2,000,336
20	391 Office Furniture and Equipment	454,622	32,405				487,027
21	392 Transportation Equipment	2,524,596	310,752	80,182			2,755,166
22	393 Stores Equipment	32,534	20,467				53,001
23	394 Tools, Shop and Garage Equipment	501,525	0	356,444			145,081
24	395 Laboratory Equipment	48,330	0	7,562			40,769
25	396 Power Operated Equipment	27,432	0	24,412			3,020
26	397 Communication Equipment	79,352	67,805				147,158
27	398 Miscellaneous Equipment	3,040,787	48,404				3,089,191
28	399 Other Tangible Property	246,205	170	49,062			197,313
29	Total General Plant	8,863,726	571,997	517,661	0	0	8,918,062
30	Total Electric Plant in Service	62,248,121	2,801,012	540,458	0	0	64,508,675
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							
							313,205
							64,195,470

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.

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Year Ended December 31 2020				
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.....	23,477,176	25,187,340	1,710,164
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....			
5	Total Utility Plant.....	23,477,176	25,187,340	1,710,164
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	2,796,403	3,210,343	413,940
14	128 Other Special Funds.....	2,563,779	2,608,045	44,266
15	Total Funds.....	5,360,182	5,818,387	458,206
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	15,472,034	15,814,347	342,313
18	132 Special Deposits.....	1,146,231	1,282,824	136,593
19	132 Working Funds.....			0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	2,352,670	1,641,176	(711,493)
22	143 Other Accounts Receivable.....	0	-	0
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	647,819	666,900	19,081
25				
26	165 Prepayments.....	2,339,693	3,112,543	772,850
27	174 Miscellaneous Current Assets	12,637	12,637	0
28	Total Current and Accrued Assets...	21,971,084	22,530,427	559,344
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....			
33	Total Deferred Debits.....			
34				
35	Total Assets and Other Debits.....	50,808,442	53,536,155	2,727,713

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..	0	0	0
7	208 Unappropriated Earned Surplus (P. 12).....	46,580,453	49,262,939	2,682,486
8	Total Surplus.....	46,580,453	49,262,939	2,682,486
9	LONG TERM DEBT			
10	221 Bonds (P. 6).....			
11	231 Notes Payable (P 7).....			
12	Total Bonds and Notes.....			
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable.....	2,524,070	2,358,019	(166,051)
15	234 Payables to Municipality.....			0
16	235 Customer Deposits.....	1,155,784	1,292,627	136,843
17	236 Taxes Accrued.....	137,074	169,228	32,154
18	237 Interest Accrued.....			0
19	242 Miscellaneous Current and Accrued Liabilities	60,963	47,871	(13,092)
20	Total Current and Accrued Liabilities...	3,877,890	3,867,745	(10,145)
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.....	350,099	405,470	55,371
28	261 Property Insurance Reserve.....			0
29	262 Injuries and Damages Reserves.....			0
30	263 Pensions and Benefits.....			0
31	265 Miscellaneous Operating Reserves.....			0
32	Total Reserves.....	350,099	405,470	55,371
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....			
35	Total Liabilities and Other Credits	50,808,442	53,536,155	2,727,713

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

Annual Report of Mansfield Municipal Electric Department			12
			Year Ended December 31 2020
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)	25,111,716	2,128,150
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	18,605,947	(1,106,701)
5	402 Maintenance Expense (P. 42).....	1,371,292	41,338
6	403 Depreciation Expense	1,157,558	(243,422)
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	Total Operating Expenses	21,134,796	(1,308,784)
11	Operating Income.....	3,976,920	3,436,934
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income	3,976,920	3,436,934
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	47,338	10,649
17	419 Interest Income.....	68,412	(19,516)
18	421 Miscellaneous Income.....	197,290	(32,692)
19	Total Other Income	313,040	(41,559)
20	Total Income	4,289,960	3,395,376
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....	1,662,743	92,994
24	Total Income Deductions	1,662,743	92,994
25	Income before Interest Charges	2,627,217	3,302,380
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes.....		
28	428 Amortization of Debt Discount and Expense.....		
29	429 Amortization of Premium on Debt.....		
30	431 Other Interest Expense.....	37,233	5,466
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	37,233	5,466
33	Net Income	2,589,984	3,296,914
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		46,580,453
35			
36			
37	433 Balance transferred from Income.....		2,589,984
38	434 Miscellaneous Credits to Surplus.....		893,447
39	435 Miscellaneous Debits to Surplus.....	78,691	
40	436 Appropriations of Surplus (P.21).....	722,254	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	49,262,939	
43			
44	TOTALS	50,063,884	50,063,884

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Year Ended December 31 2020

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CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund.....	15,813,938
2	Interest Fund.....	
3	Bond Fund.....	
4	Construction Fund.....	
5	Petty Cash Fund	409
6	Other Post Employment Benefits Fund	
7		
8		
9		
10		
11		
12	TOTAL	15,814,347

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 25).....	651,189	
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....		
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	666,900	

Depreciation Fund Account (Account 126)

Line No.	(a)		Amount (b)
24	DEBITS		
25	Balance of Account at Beginning of Year.....		2,796,403
26	Income During Year from Balance on Deposit.....		14,641
27	Amount Transferred from Income.....		1,157,558
28	TOTAL		3,968,602
29			
30	CREDITS		
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)		2,758,259
32	Amounts Expended for Renewals.....		
33	Adjustment		(2,000,000)
34			
35			
36			
37			
38			
39	Balance on Hand at End of Year.....		3,210,343
40	TOTAL		3,210,343

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.....	313,205	0	0			313,205
3	361 Structures and Improvements.....	58,841	270	3,598			55,513
4	362 Station Equipment.....	5,165,429	1,124,547	277,751			6,012,224
5	363 Storage Battery Equipment.....	2,048,573	205,486	93,569			2,160,493
6	364 Poles and Fixtures.....	343,509	103,599	12,637	(7,751)		442,222
7	365 Overhead Conductors and Devices...	3,640,781	135,037	224,721			3,551,097
8	366 Underground Conduits.....	2,630,393	14,912	124,663			2,520,642
9	367 Underground Conductors and Devices	2,939,741	119,730	137,494			2,921,978
10	368 Line Transformers.....	217,342	143,046	6,873	(10,489)		364,003
11	369 Services.....	36,180	28,113	2,951			61,342
12	370 Meters.....	701,837	298,198	29,619			970,416
13	371 Installation on Cust's Premises....	0	0	0			0
14	372 Leased Prop. on Cust's Premises....	13,475	3,295	420			16,350
15	373 Street Light and Signal Systems....	577,347	52,782	20,204	(12,082)		622,008
16	Total Distribution Plant	18,686,653	2,229,014	934,501	(30,322)	0	20,011,492
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	0		0			0
19	390 Structures and Improvements.....	653,031	91,994	57,802			687,223
20	391 Office Furniture and Equipment.....	0	32,405	440			31,965
21	392 Transportation Equipment.....	1,152,413	310,752	53,484			1,409,680
22	393 Stores Equipment.....	8,219	20,467	1,276			27,410
23	394 Tools, Shop and Garage Equipment...	133,756	0	15,371	2,568		115,817
24	395 Laboratory Equipment.....	24,840	0	930			23,910
25	396 Power Operated Equipment.....	0	0	0			0
26	397 Communication Equipment.....	158	67,805	190	(38,953)		106,726
27	398 Miscellaneous Equipment.....	2,774,074	48,404	91,915			2,730,563
28	399 Other Tangible Property	44,033	170	1,649			42,554
29	Total General Plant	4,790,523	571,997	223,057	(36,385)	0	5,175,848
30	Total Electric Plant in Service	23,477,176	2,801,012	1,157,558	(66,708)	0	25,187,340
31	104 Utility Plant leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....	0		0		0	0
34	108 Accumulated Depreciation						
	Total Utility Electric Plant	23,477,176	2,801,012	1,157,558	(66,708)	0	25,187,340

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MISCELLANEOUS NON-OPERATING INCOME (Account 421)			
Line No.	Item (a)	Amount (b)	
1	Misc. Non-operating Revenue	197,290	
2			
3			
4			
5			
6	TOTAL	197,290	
OTHER INCOME DEDUCTIONS (Account 426)			
Line No.	Item (a)	Amount (b)	
7	Donations	146,384	
8	Energy Rebates	73,662	
9	Discounts Allowed	1,442,696	
10			
11			
12			
13			
14	TOTAL	1,662,743	
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)			
Line No.	Item (a)	Amount (b)	
15	Credit from MMWEC	893,447	
16			
17			
18			
19			
20			
21			
22			
23	TOTAL	893,447	
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)			
Line No.	Item (a)	Amount (b)	
24	Retirement of Plant Equipment	78,691	
25			
26			
27			
28			
29			
30			
31			
32	TOTAL	78,691	
APPROPRIATIONS OF SURPLUS (Account 436)			
Line No.	Item (a)	Amount (b)	
33	Town of Mansfield - Payment in Lieu of Taxes	722,254	
34			
35			
36			
37			
38			
39			
40	TOTAL	722,254	

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Annual Report of Mansfield Municipal Electric Department				Year Ended December 31 2020		
MUNICIPAL REVENUES (Accounts 482,444)						
(K.W.H. Sold under the Provision of Chapter 269, Acts of 1927)						
Line No.	Acct No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M.C.F. [\$0.0000] (d)	
1						
2						
3						
4		TOTALS				
Line No.		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. [cents] [\$0.0000] (d)	
5						
6	444	Municipal	8,592,563	948,882	0.1104	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19		TOTALS	8,592,563	948,882	0.1104	
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						
21						
22						
23						
24						
25						
26						
27						
28						
29			TOTALS			
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			

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	83,053,183	10,045,696	0.1210	9,027	9,215
2							
3							
4							
5	442	Commercial	10,240,907	1,036,411	0.1012	770	786
6		Industrial	103,685,133	13,559,408	0.1308	246	252
7							
8							
9							
10	444	Municipal	8,592,563	948,882	0.1104	111	109
12							
13							
14							
15							
16							
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18							
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42							
43							
44							
45							
46							
47							
48	TOTAL SALES TO UTIMATE CONSUMERS						
49	(Page 37 Line 11)		205,571,786	25,590,398	0.1245	10,154	10,362

Annual Report of Mansfield Municipal Electric Department			
			40
			Year Ended December 31 2020
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.....		
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		
9	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.....	11,295,242	(1,339,290)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....		
29	Total Other Power Supply Expenses	11,295,242	(1,339,290)
30	Total Power Production Expenses	11,295,242	(1,339,290)
31	TRANSMISSION EXPENSES		
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.....	4,521,168	459,405
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	4,521,168	459,405
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		
50	Total Transmission Expenses	4,521,168	459,405

Annual Report of Mansfield Municipal Electric Department			41
			Year Ended December 31 2020
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.....	216,896	60,623
4	581 Load Dispatching.....	208,225	7,622
5	582 Station Expenses.....	364,847	116,776
6	583 Overhead Line Expenses.....	8,692	(5,158)
7	584 Underground Line Expenses.....	(57)	(324)
8	585 Street Lighting and Signal System Expenses.....	31,861	(8,378)
9	586 Meter Expenses.....	6,166	(8,315)
10	587 Customer Installations Expenses.....	0	0
11	588 Miscellaneous Distribution Expenses.....	0	0
12	589 Rents.....	0	0
13	Total Operation	836,630	162,845
14	Maintenance:		
15	590 Maintenance Supervision and Engineering.....	0	0
16	591 Maintenance of Structures.....	77,796	(30,445)
17	592 Maintenance of Station Equipment.....	3,849	2,704
18	593 Maintenance of Overhead Lines.....	1,170,777	128,917
19	594 Maintenance of Underground Lines.....	28,464	2,544
20	595 Maintenance of Line Transformers.....	0	0
21	596 Maintenance of Street Lighting and Signal Systems....	30,462	(5,546)
22	597 Maintenance of Meters.....	174	(726)
23	598 Maintenance of Miscellaneous Distribution Plant.....	0	(1,389)
24	Total Maintenance	1,311,522	96,060
25	Total Distribution Expenses	2,148,153	258,905
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....	0	0
29	902 Meter Reading Expenses.....	235,334	68,006
30	903 Customer Records and Collection Expenses.....	780,273	78,036
31	904 Uncollectable Accounts.....	80,000	0
32	905 Miscellaneous Customer Accounts Expenses.....	23,341	(5,622)
33	Total Customer Accounts Expenses	1,118,949	140,420
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....	0	0
37	912 Demonstrating and Selling Expenses.....	0	0
38	913 Advertising Expenses.....	0	0
39	916 Miscellaneous Sales Expense.....	0	0
40	Total Sales Expenses	0	0
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Salaries.....	409,590	85,757
44	921 Office Supplies and Expenses.....	172,965	(23,338)
45	922 Administrative Expenses Transferred - Cr.....	0	0
46	923 Outside Services Employed.....	125,291	(137,389)
47	924 Property Insurance.....	38,388	(41,711)
48	925 Injuries and Damages.....	0	(126,614)
49	926 Employees Pensions and Benefits.....	(0)	(2,184)
50	928 Regulatory Commission Expenses.....	0	0
51	929 Duplicate Charges - Cr.....	0	0
52	930 Miscellaneous General Expenses.....	74,125	(282,422)
53	931 Rents.....	13,600	(2,180)
54	Total Operation	833,958	(530,080)

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.....	59,770	(54,722)
5	Total Maintenance	59,770	(54,722)
6	Total Administrative and General Expenses	893,728	(584,802)
7	Total Electric Operation and Maintenance Expenses	19,977,239	(1,065,363)

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.....			
14	Other Power Supply Expenses.....	11,295,242		11,295,242
15	Total Power Production Expenses	11,295,242		11,295,242
16	Transmission Expenses.....	4,521,168		4,521,168
17	Distribution Expenses.....	836,630	1,311,522	2,148,152
18	Customer Accounts Expenses.....	1,118,949		1,118,949
19	Sales Expenses.....			
20	Administrative and General Expenses.....	833,958	59,770	893,728
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	18,605,947	1,371,292	19,977,239

- 23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) **84.16%**
 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).....
- 24 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts..... **2,273,899**
- 25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) **21**

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.....				
4	Contract Work.....	47,338			47,338
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	47,338	\$0.00	\$0.00	47,338
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16	Jobbing/Contract Costs				
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	\$0.00	\$0.00	0
51	Net Profit (or Loss)	47,338	\$0.00	\$0.00	47,338

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.

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 classification in column (b), thus: firm power, FP; dump or surplus power DP; other, O, and place an "X" in column (c) if purchase involves import across a state line.
3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

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	New York Power Authority	FP	X	GILBERT ST.	SS	1,354		
2	Stonybrook Peaking	O		GILBERT ST.	SS	12,274		
3	Stonybrook Intermediate	O		GILBERT ST.	SS	17,476		
4	Nuclear Mix 1 (Seabrook)	O	X	GILBERT ST.	SS	110		
5	Nuclear Mix 1 (Millstone)	O	X	GILBERT ST.	SS	1,132		
6	Nuclear Project 3 (Millstone)	O	X	GILBERT ST.	SS	673		
7	Nuclear Project 4 (Seabrook)	O	X	GILBERT ST.	SS	2,852		
8	Nuclear Project 5 (Seabrook)	O	X	GILBERT ST.	SS	258		
9	Nuclear Project 6 (Seabrook)	O	X	GILBERT ST.	SS	5,861		
10	Hydro Quebec	O	X	GILBERT ST.	SS			
11	ISO OATT			GILBERT ST.	SS			
12	System Power	DP						
13	Hancock Wind	O	X	GILBERT ST.	SS	3,129		
14								
15								
16	Branch Street Solar Partners	O						
17	Shell Energy North America	O	X	GILBERT ST.				
18	EDF Trading North America, LLC	O	X	GILBERT ST.				
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

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.
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.
- 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).

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.
			Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 MINUTES	115 kv	10,632,000	65,079	52,309	102,186	219,575	\$ 0.0207	1
60 MINUTES	115 kv	109,481	246,408	15,010	11,354	272,773	\$ 2.4915	2
60 MINUTES	115 kv	4,842,645	672,081	87,116	20,462	779,659	\$ 0.1610	3
60 MINUTES	115 kv	997,493	24,259	4,809	68	29,136	\$ 0.0292	4
60 MINUTES	115 kv	8,986,594	302,452	56,283	10,345	369,080	\$ 0.0411	5
60 MINUTES	115 kv	5,280,938	178,881	33,075	6,079	218,035	\$ 0.0413	6
60 MINUTES	115 kv	24,466,181	597,269	117,956	1,660	716,886	\$ 0.0293	7
60 MINUTES	115 kv	2,212,166	54,912	10,665	150	65,727	\$ 0.0297	8
60 MINUTES	115 kv	50,279,347	1,244,939	242,407	3,412	1,490,758	\$ 0.0296	9
	115 kv				107,315		#DIV/0!	10
	115 kv				3,885,001	3,885,001	#DIV/0!	11
		4,538,750	930,000	203,294		1,133,294	\$ 0.2497	12
60 MINUTES	115 kv	8,170,752		445,599	1,027	446,626	\$ 0.0547	13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
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								33
								34
	TOTALS	120,516,347	4,316,281	1,268,524	4,149,061	9,626,551		35

Annual Report of Mansfield Municipal Electric Department

Year Ended December 31, 2020

INTERCHANGE POWER (Included in Account 555)

1. Report below the Kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.

2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A., Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "X" in column (b).

3. Particulars of settlements for interchange power

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

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX				217,085,535	162,995,969	54,089,566	3,606,321
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	217,085,535	162,995,969	54,089,566	3,606,321

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	3,273,091
14		NEPOOL EXPENSE	333,230
15			
16			
17			
18			
19			
20			
21		TOTALS	3,606,321

Annual Report of Mansfield Municipal Electric Department						Year Ended December 31 2020		57
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							
7	Total generation.....						0	
8	Purchases.....						157,229,177	
9	{ In (gross) 217,085,535							
10	Interchanges..... { Out (gross) 162,995,969							
11	{ Net (Kwh).....						54,089,566	
12	{ Received.....							
13	Transmission for/by others (Wh)..... { Delivered.....							
14	{ Net (kwh).....						211,318,743	
15	TOTAL							
DISPOSITION OF ENERGY								
16								
17	Sales to ultimate consumers (including interdepartmental sales).....						205,571,786	
18	Sales for resale.....							
19	Energy furnished without charge							
20	Energy used by the company (excluding station use).....							
21	Electric department only.....							
22	Energy losses:							
23	Transmission and conversion losses.....							
24	Distribution losses..... 5,746,957							
25	Unaccounted for losses.....							
26	Total energy losses.....						5,746,957	
27	Energy losses as percent of total on line 15..... 2.72%							
28	TOTAL						211,318,743	
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 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. 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 and plus or minus net transmission 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.								
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	32,425	Monday	20	20:00	60 min.	18,109,256	
30	February	30,008	Wednesday	5	18:00	60 min.	16,479,883	
31	March	29,806	Monday	23	18:00	60 min.	16,507,792	
32	April	27,491	Monday	27	15:00	60 min.	15,029,972	
33	May	34,063	Wednesday	27	16:00	60 min.	15,094,343	
34	June	43,364	Tuesday	23	16:00	60 min.	18,694,295	
35	July	50,448	Tuesday	28	14:00	60 min.	22,318,804	
36	August	48,204	Wednesday	12	17:00	60 min.	21,320,521	
37	September	37,849	Thursday	10	16:00	60 min.	16,898,127	
38	October	29,695	Friday	30	13:00	60 min.	15,730,982	
39	November	31,390	Thursday	18	20:00	60 min.	16,049,467	
40	December	35,319	Friday	8	18:00	60 min.	19,085,301	
41	TOTAL						211,318,743	

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	89.10		89.10
2	Added During Year	0.00		0.00
3	Retired During Year	(0.43)		0.00
4	Miles - End of Year	88.67		89.10
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.....		10,873	2,023	196,726
17	Additions during year:				
18	Purchased.....		789	52	3,702
19	Installed.....				
20	Associated with utility plant acquired.....				
21	Total additions.....		789	52	3,702
22	Reduction during year:				
23	Retirements.....		189	11	293
24	Associated with utility plant sold.....				
25	Total reductions.....		189	11	293
26	Number at End of Year.....		11,473	2,064	200,428
27	In Stock.....		1,134	114	9,588
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.....		1,134	114	9,588

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Year Ended December 31 2020						
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	Miles of Conduit Bank (All sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating voltage (d)	Feet* (e)	Operating Voltage (f)
1			75			
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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20						
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22						
23						
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25						
26						
27						
28						
29						
30						
31						
32						
33						
34	TOTALS		75			
*Indicate number of conductors per cable.						

Annual Report of Mansfield Municipal Electric Department					71 Year Ended December 31 2020			
STREET LAMPS CONNECTED TO SYSTEM								
Line No.	City or Town (a)	TYPE						
		High Press. Sodium			LED			
		Other (b)	Municipal (c)	Total (d)	(e)	Other (f)	Municipal (g)	Total (h)
1	Mansfield							
2								
3								
4	50 Watt	34	600	634	31W	1	57	58
5								
6	100 Watt	16	205	221	36 watt	57	1,453	1,510
7								
8	250 Watt	13	15	28	51 watt	3	324	327
9								
10	400 Watt	174	50	224	73 watt		32	32
11								
12	1000 Watt	1		1				
13					85 watt	42	1	43
14								
15					90 watt	3	27	30
16								
17					91 watt	3	1	4
18								
19					103 watt	19	62	81
20								
21					140 watt	3	11	14
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
44								
45								
46								
47								
48								
49								
50								
51								
52	TOTALS	238	870	1,108	0	131	1,968	2,099

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												
		Purchase Power Adjustment Charge Changes as follows: <table><tr><td>Date</td><td>New Rate</td></tr><tr><td>Jan - Jun 2020</td><td>(0.0158)</td></tr></table> Residential Credit Factor as follows: <table><tr><td>Date</td><td>New Rate</td></tr><tr><td>Jan - Dec 2020</td><td>.01180</td></tr></table> Non-Residential Credit Factor as follows: <table><tr><td>Date</td><td>New Rate</td></tr><tr><td>Jan - Dec 2020</td><td>0.00850</td></tr></table>	Date	New Rate	Jan - Jun 2020	(0.0158)	Date	New Rate	Jan - Dec 2020	.01180	Date	New Rate	Jan - Dec 2020	0.00850		
Date	New Rate															
Jan - Jun 2020	(0.0158)															
Date	New Rate															
Jan - Dec 2020	.01180															
Date	New Rate															
Jan - Dec 2020	0.00850															

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.....
Mayor

.....

Joseph M. Sollecito

.....
Manager of Electric Light

.....

Jess Aptowitz

.....
Michael A. Trowbridge

.....

Neil Rhein

Selectmen
or
Members
of the
Municipal
Light
Board

.....

Frank Delvecchio

.....
Steve Schoonveld