



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,

2023

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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FOR GAS PLANTS ONLY:

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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		
Diana Bren	66 Samoset Ave	Mansfield, MA 02048
Neil Rhein	11 Old North Trail	Mansfield, MA 02048
Brendan Roche	533 Elm Street	Mansfield, MA 02048
Michael A. Trowbridge	4 Suzanne Lane	Mansfield, MA 02048
Maureen R. Doherty	3 Darby Dr	Mansfield, MA 02048
5. Name and address of town (or city) treasurer:		
John Ellard	7 Magnolia Dr	Rockland, MA 02370
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)	\$5,177,129,200	
9. Tax rate for all purposes during the year:	Residential	\$13.50
	Commercial, Industrial and Personal Property	\$19.07
10. Amount of manager's salary:	Joseph Sollecito - General Manager	\$197,184
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	33,807,272
3	FROM RATE STABILIZATION FUND.....	0
4	TOTAL	33,807,272
5	Expenses:	
6	For operation, maintenance and repairs.....	26,691,596
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund	2,599,141
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13	TOTAL	29,290,738
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.....	1,198,285
19	Of electricity to be used for street lights.....	107,363
20	Total of the above items to be included in the tax levy.....	1,305,648
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	1,305,648

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	10,553
		TOTAL	10,553

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.....	\$	107,363
2. Municipal Buildings.....		1,198,285
	\$	<u>1,305,648</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: NONE

In gas property:

Annual Report of the Town of Mansfield				10
Year Ended December 31, 2023				
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.....	28,316,278	27,688,276	(628,002)
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....			
5	Total Utility Plant.....	28,316,278	27,688,276	(628,002)
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	1,620,061	4,342,453	2,722,392
14	128 Other Special Funds.....	2,199,882	2,308,519	108,637
15	Total Funds.....	3,819,943	6,650,972	2,831,029
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	10,232,906	12,045,887	1,812,981
18	132 Special Deposits.....	1,475,153	1,621,697	146,544
19	132 Working Funds.....			0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	4,269,607	142,928	(4,126,679)
22	143 Other Accounts Receivable.....	0	0	0
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	1,016,007	1,721,902	705,894
25				
26	165 Prepayments.....	6,299,214	6,451,382	152,168
27	174 Miscellaneous Current Assets	12,637	12,637	0
28	Total Current and Accrued Assets...	23,305,524	21,996,433	(1,309,091)
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.....	55,441,745	56,335,682	893,937

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).....	50,568,941	51,371,057	802,116
8	Total Surplus.....	50,568,941	51,371,057	802,116
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.....	2,666,778	2,641,487	(25,291)
15	234 Payables to Municipality.....			0
16	235 Customer Deposits.....	1,473,175	1,598,069	124,894
17	236 Taxes Accrued.....	168,120	140,496	(27,624)
18	237 Interest Accrued.....			0
19	242 Miscellaneous Current and Accrued Liabilities	76,343	57,423	(18,920)
20	Total Current and Accrued Liabilities...	4,384,416	4,437,475	53,060
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.....	488,387	527,150	38,763
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.....	488,387	527,150	38,763
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....			
35	Total Liabilities and Other Credits	55,441,743	56,335,682	893,938

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 the Town of Mansfield			12
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)	30,048,430	(2,437,833)
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	25,008,121	(2,708,122)
5	402 Maintenance Expense (P. 42).....	1,683,475	101,013
6	403 Depreciation Expense	2,599,141	1,091,426
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	Total Operating Expenses	29,290,738	(1,515,683)
11	Operating Income.....	757,693	(922,150)
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income	757,693	(922,150)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	13,106	(178,357)
17	419 Interest Income.....	662,622	595,099
18	421 Miscellaneous Income.....	112,428	(95,778)
19	Total Other Income	788,156	320,964
20	Total Income	1,545,848	(601,186)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....	23,855	(154,833)
24	Total Income Deductions	23,855	(154,833)
25	Income before Interest Charges	1,521,993	(446,355)
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.....	43,279	29,968
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	43,279	29,968
33	Net Income	1,478,714	(476,323)
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		50,568,941
35			
36			
37	433 Balance transferred from Income.....		1,478,714
38	434 Miscellaneous Credits to Surplus.....		23,897
39	435 Miscellaneous Debits to Surplus.....	(80,465)	
40	436 Appropriations of Surplus (P.21).....	780,960	
41	437 Surplus Applied to Depreciation.....	0	
42	208 Unappropriated Earned Surplus (at end of period).....	51,371,057	
43			
44	TOTALS	52,071,552	52,071,552

Annual Report of Mansfield Municipal Electric Department		Year Ended December 31 2023		14
CASH BALANCES AT END OF YEAR (Account 131)				
Line No.	Items (a)	Amount (b)		
1	Operation Fund.....	12,045,478		
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	12,045,887		
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).....	1,721,902		
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).....		0	
23	Total per Balance Sheet		1,721,902	
Depreciation Fund Account (Account 126)				
Line No.	(a)		Amount (b)	
24	DEBITS			
25	Balance of Account at Beginning of Year.....		1,620,061	
26	Income During Year from Balance on Deposit.....		106,030	
27	Amount Transferred from Income.....		2,616,362	
28	TOTAL		4,342,453	
29				
30	CREDITS			
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)			
32	Amounts Expended for Renewals.....			
33	Adjustment		0	
34				
35				
36				
37				
38				
39	Balance on Hand at End of Year.....		4,342,453	
40	TOTAL		4,342,453	

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				313,205
3	361 Structures and Improvements.....	47,113	291	5,334			42,070
4	362 Station Equipment.....	5,440,683	0	451,724		431	4,989,390
5	363 Unallocated Capital Labor	1,727,435	0	568,908			1,158,530
6	364 Poles and Fixtures.....	656,541	128,851	38,548			746,844
7	365 Overhead Conductors and Devices...	3,734,992	250,680	456,163			3,529,509
8	366 Underground Conduits.....	2,362,348	55,433	187,757			2,230,024
9	367 Underground Conductors and Devices	3,889,361	179,510	300,873		(2,248)	3,765,751
10	368 Line Transformers.....	459,716	59,917	24,316			495,318
11	369 Services.....	77,277	11,526	7,307			81,496
12	370 Meters.....	1,285,282	140,248	71,444		(885)	1,353,201
13	371 Installation on Cust's Premises....	0	0	0			0
14	372 Leased Prop. on Cust's Premises....	41,399	79,531	2,158		(70,473)	48,299
15	373 Street Light and Signal Systems.....	941,627	26,900	55,833		(14,011)	898,683
16	Total Distribution Plant	20,976,979	932,887	2,170,364	0	(87,186)	19,652,319
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	0					0
19	390 Structures and Improvements.....	2,378,343	1,047,962	126,295			3,300,010
20	391 Office Furniture and Equipment.....	32,875	8,236	1,690			39,420
21	392 Transportation Equipment.....	1,954,100	24,906	107,987			1,871,019
22	393 Stores Equipment.....	22,781	0	3,376			19,405
23	394 Tools, Shop and Garage Equipment...	186,344	44,123	13,582			216,885
24	395 Laboratory Equipment.....	61,278	0	7,607			53,671
25	396 Power Operated Equipment.....	0	0	0			0
26	397 Communication Equipment.....	104,324	210	5,442			99,092
27	398 Miscellaneous Equipment.....	2,558,378	0	158,772			2,399,606
28	399 Other Tangible Property.....	40,878	0	4,027			36,850
29	Total General Plant	7,339,299	1,125,436	428,777	0	0	8,035,958
30	Total Electric Plant in Service	28,316,278	2,058,324	2,599,141	0	(87,186)	27,688,276
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	28,316,278	2,058,324	2,599,141	0	(87,186)	27,688,276

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			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of year	0.00				
2	Received During Year	0.00				
3	TOTAL	0.00				
4	Used During Year (Note A)	0.00				
5						
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	0.00				
13	BALANCE END OF YEAR	0.00				
Line No.	Item (g)		Kinds of Fuel and Oil -- Continued			
			Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

Annual Report of Mansfield Municipal Electric Department

Year Ended December 31 2023

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MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Misc. Non-operating Revenue	112,428
2		
3		
4		
5		
6	TOTAL	112,428
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7	Donations	23,855
8		
9		
10		
11		
12		
13		
14	TOTAL	23,855
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15	Credit from MMWEC	23,897
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	23,897
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Retirement of Plant Equipment	(80,465)
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	(80,465)
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Town of Mansfield - Payment in Lieu of Taxes	780,960
34		
35		
36		
37		
38		
39		
40	TOTAL	780,960

Annual Report of the Town of Mansfield			Year Ended December 31, 2023		22	
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	8,643,984	761,652	0.0881	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
19		TOTALS	8,643,984	761,652	0.0881	
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				

Annual Report of the Town of Mansfield					Year Ended December 31, 2023		38	
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. (cents) *(0.0000) (d)	Number of Customers (per Bills Rendered)		
Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)		July 31 (e)	December 31 (f)	
1	440	Residential	79,334,427	13,265,152	0.1672	9,381	9,385	
2								
3								
4								
5	442	Commercial	9,834,720	1,971,464	0.2005	782	782	
6		Industrial	114,925,638	18,570,657	0.1616	273	272	
7								
8								
9								
10	444	Municipal	8,643,984	761,652	0.0881	115	114	
12								
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44								
45								
46								
47								
48	TOTAL SALES TO ULTIMATE CONSUMERS							
49	(Page 37 Line 11)		212,738,769	34,568,924	0.1625	10,551	10,553	

Annual Report of the Town of Mansfield			40
Year Ended December 31, 2023			
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.....	16,291,127	(2,646,481)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....		
29	Total Other Power Supply Expenses	16,291,127	(2,646,481)
30	Total Power Production Expenses	16,291,127	(2,646,481)
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.....	5,366,918	(154,662)
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	5,366,918	(154,662)
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	5,366,918	(154,662)

Annual Report of the Town of Mansfield		Year Ended December 31, 2023		41
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.....	429,609	89,055	
4	581 Load Dispatching.....	170,876	(13,552)	
5	582 Station Expenses.....	527,775	17,660	
6	583 Overhead Line Expenses.....	41,196	22,472	
7	584 Underground Line Expenses.....	43,109	42,622	
8	585 Street Lighting and Signal System Expenses.....	70,136	(860)	
9	586 Meter Expenses.....	966	(38,677)	
10	587 Customer Installations Expenses.....	0	0	
11	588 Miscellaneous Distribution Expenses.....	0	0	
12	589 Rents.....	0	0	
13	Total Operation	1,283,667	118,720	
14	Maintenance:			
15	590 Maintenance Supervision and Engineering.....	0	0	
16	591 Maintenance of Structures.....	124,773	(29,770)	
17	592 Maintenance of Station Equipment.....	2,502	(113)	
18	593 Maintenance of Overhead Lines.....	1,430,925	140,813	
19	594 Maintenance of Underground Lines.....	9,972	346	
20	595 Maintenance of Line Transformers.....	752	752	
21	596 Maintenance of Street Lighting and Signal Systems....	1,808	(3,080)	
22	597 Maintenance of Meters.....	0	0	
23	598 Maintenance of Miscellaneous Distribution Plant.....	3,139	3,139	
24	Total Maintenance	1,573,872	112,087	
25	Total Distribution Expenses	2,857,539	230,807	
26	CUSTOMER ACCOUNTS EXPENSES			
27	Operation:			
28	901 Supervision.....	0	0	
29	902 Meter Reading Expenses.....	121,994	(30,507)	
30	903 Customer Records and Collection Expenses.....	820,954	38,402	
31	904 Uncollectable Accounts.....	80,000	0	
32	905 Miscellaneous Customer Accounts Expenses.....	37,875	5,246	
33	Total Customer Accounts Expenses	1,060,823	13,141	
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.....	490,286	41,528	
44	921 Office Supplies and Expenses.....	197,205	(14,987)	
45	922 Administrative Expenses Transferred - Cr.....	0	0	
46	923 Outside Services Employed.....	110,605	(22,480)	
47	924 Property Insurance.....	9,127	9,127	
48	925 Injuries and Damages.....	47,252	(4,534)	
49	926 Employees Pensions and Benefits.....	0	(1,975)	
50	928 Regulatory Commission Expenses.....	0	0	
51	929 Duplicate Charges - Cr.....	0	0	
52	930 Miscellaneous General Expenses.....	135,713	(47,318)	
53	931 Rents.....	15,400	1,800	
54	Total Operation	1,005,587	(38,840)	

Annual Report of the Town of Mansfield		Year Ended December 31, 2023		42
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.....	109,603	(11,074)	
5	Total Maintenance	109,603	(11,074)	
6	Total Administrative and General Expenses	1,115,190	(49,914)	
7	Total Electric Operation and Maintenance Expenses	26,691,596	(2,607,109)	
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.....	16,291,127		16,291,127
15	Total Power Production Expenses	16,291,127		16,291,127
16	Transmission Expenses.....	5,366,918		5,366,918
17	Distribution Expenses.....	1,283,667	1,573,872	2,857,539
18	Customer Accounts Expenses.....	1,060,823		1,060,823
19	Sales Expenses.....			
20	Administrative and General Expenses.....	1,005,587	109,603	1,115,190
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	25,008,121	1,683,475	26,691,596
23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) 97.48% 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..... 2,515,826				
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.....	13,106			13,106
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	13,106	\$0.00	\$0.00	13,106
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					
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39					
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43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	\$0.00	\$0.00	0
51	Net Profit (or Loss)	13,106	\$0.00	\$0.00	13,106

Annual Report of the Town of Mansfield

Year Ended December 31, 2023

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	1,338		
2	Stonybrook Peaking	O		GILBERT ST.	SS	12,472		
3	Stonybrook Intermediate	O		GILBERT ST.	SS	17,524		
4	Nuclear Mix 1 (Seabrook)	O	X	GILBERT ST.	SS	126		
5	Nuclear Mix 1 (Millstone)	O	X	GILBERT ST.	SS	1,228		
6	Nuclear Project 3 (Millstone)	O	X	GILBERT ST.	SS	722		
7	Nuclear Project 4 (Seabrook)	O	X	GILBERT ST.	SS	3,101		
8	Nuclear Project 5 (Seabrook)	O	X	GILBERT ST.	SS	280		
9	Nuclear Project 6 (Seabrook)	O	X	GILBERT ST.	SS	6,372		
10	Project 2015A	O	X	GILBERT ST.	SS	4,690		
11	Hydro Quebec	O	X	GILBERT ST.	SS			
12	ISO OATT			GILBERT ST.	SS			
13	System Power	DP				3,129		
14	Hancock Wind	O	X	GILBERT ST.	SS			
15	Hydro Quebec Flow Rights	O	X					
16								
17								
18								
19								
20								
21								
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34								
35								

Annual Report of the Town of Mansfield			Year Ended December 31, 2023				55	
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.
			Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 MINUTES	115 kv	8,360,496	66,308	41,222	142,237	249,767	\$ 0.0299	1
60 MINUTES	115 kv	382,048	292,051	19,926	105,420	417,397	\$ 1.0925	2
60 MINUTES	115 kv	854,764	712,378	30,354	125,832	868,564	\$ 1.0161	3
60 MINUTES	115 kv	964,084	25,583	83	4,381	30,047	\$ 0.0312	4
60 MINUTES	115 kv	8,193,750	290,971	14,744	49,731	355,446	\$ 0.0434	5
60 MINUTES	115 kv	4,815,027	169,902	8,664	29,224	207,790	\$ 0.0432	6
60 MINUTES	115 kv	23,646,781	617,680	2,031	107,454	727,165	\$ 0.0308	7
60 MINUTES	115 kv	2,138,077	57,341	184	9,716	67,241	\$ 0.0314	8
60 MINUTES	115 kv	48,595,430	1,274,082	4,175	220,823	1,499,080	\$ 0.0308	9
60 MINUTES	115 kv	-	200,523	-	-	200,523	N/A	10
	115 kv	-	-	-	53,705	53,705	N/A	11
	115 kv	-	-	-	4,604,347	4,604,347	N/A	12
	115 kv	70,860,400	930,000	6,737,609	-	7,667,609	\$ 0.1082	13
60 MINUTES	115 kv	6,832,511	-	364,047	(3,456)	360,591	\$ 0.0528	14
		-	(73,220)	-	(137,680)	(210,900)	N/A	15
								16
								17
								18
								19
								20
								21
								22
								23
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								25
								26
								27
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								30
								31
								32
								33
								34
	TOTALS	175,643,368	4,563,599	7,223,039	5,311,734	17,098,372		35

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

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

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

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

Line No.	Name of Company	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Kilowatt-hours			Amount of Settlement
					Received	Delivered	Net Difference	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	NEPEX				225,159,982	184,487,900	40,672,082	3,564,149
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	225,159,982	184,487,900	40,672,082	3,564,149

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)			Amount (k)
13	NEPEX	INTERCHANGE EXPENSE			3,189,887
14		NEPOOL EXPENSE			374,262
15					
16					
17					
18					
19					
20					
21				TOTALS	3,564,149

Annual Report of the Town of Mansfield

Year Ended December 31, 2023

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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	Generation (excluding station use):	
2	Steam..... Gas Turbine Combined Cycle	
3	Nuclear.....	
4	Hydro.....	
5	Other..... Diesel	2,643,636
6	Total generation.....	2,643,636
7	Purchases.....	178,878,296
8	{ In (gross)	225,159,982
9	{ Out (gross)	184,487,900
10	Interchanges..... { Net (Kwh).....	40,672,082
11	{ Received.....	
12	Transmission for/by others (Wh..... { Delivered.....	
13	{ Net (kwh).....	222,194,014
14	TOTAL	
DISPOSITION OF ENERGY		
15	Sales to ultimate consumers (including interdepartmental sales).....	212,738,769
16	Sales for resale.....	
17	Energy furnished without charge	
18	Energy used by the company (excluding station use).....	
19	Electric department only.....	
20	Energy losses:	
21	Transmission and conversion losses.....	
22	Distribution losses..... 9,455,245	
23	Unaccounted for losses.....	
24	Total energy losses..... 9,455,245	
25	Energy losses as percent of total on line 15..... 4.26%	
26	TOTAL	222,194,014

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	31,131	Tuesday	24	18:00	60 min.	18,528,018
30	February	33,945	Saturday	4	10:00	60 min.	17,100,977
31	March	29,153	Wednesday	15	20:00	60 min.	17,694,627
32	April	30,798	Friday	14	18:00	60 min.	15,570,728
33	May	30,577	Friday	12	18:00	60 min.	16,825,239
34	June	41,439	Monday	26	16:00	60 min.	18,875,795
35	July	47,206	Thursday	27	17:00	60 min.	24,424,176
36	August	40,614	Tuesday	8	15:00	60 min.	21,610,663
37	September	46,336	Thursday	7	17:00	60 min.	18,688,167
38	October	32,404	Wednesday	4	16:00	60 min.	16,622,858
39	November	30,162	Tuesday	28	20:00	60 min.	16,993,381
40	December	32,047	Thursday	7	20:00	60 min.	19,259,383
41	TOTAL						222,194,014

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 (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, 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	Gilbert Street	Distribution - Unattended	115kv	13.8kv		80,000					
2	Gilbert Street Expansion	Distribution - Unattended	115kv	13.8kv		80,000					
3	East Mansfield (Bird Road)	Distribution - Unattended	115kv	13.8kv		80,000					
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
TOTALS						240,000	0	0			

Annual Report of the Town of Mansfield

Year Ended December 31, 2023

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OVERHEAD DISTRIBUTION LINES OPERATED				
Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	88.70		88.70
2	Added During Year	0.54		0.54
3	Retired During Year	0.00		0.00
4	Miles - End of Year	89.24		89.24
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.....		11,202	2,139	197,735
17	Additions during year:				
18	Purchased.....		272	0	0
19	Installed.....				
20	Associated with utility plant acquired.....				
21	Total additions.....		272	0	0
22	Reduction during year:				
23	Retirements.....		272	24	2,710
24	Associated with utility plant sold.....				
25	Total reductions.....		272	24	2,710
26	Number at End of Year.....		11,202	2,115	195,025
27	In Stock.....		573	73	4,820
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.....		573	73	4,820

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	Operating voltage (d)	Submarine Cable	
			Miles* (c)		Feet* (e)	Operating Voltage (f)
1			76.95			
2						
3						
4						
5						
6						
7						
8						
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31						
32						
33						
34	TOTALS		77			

*Indicate number of conductors per cable.

Annual Report of the Town of Mansfield					Year Ended December 31, 2023				71
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	13	11	24	31 watt	6	674	680	
5									
6	100 Watt	1	21	22	36 watt	69	1,518	1,587	
7									
8	250 Watt	1	5	6	51 watt	13	418	431	
9									
10	400 Watt	92	17	109	73 watt	0	32	32	
11									
12					85 watt	40	6	46	
13									
14					91 watt	19	31	50	
15									
16					103 watt	53	84	137	
17									
18					140 watt	3	42	45	
19									
20					250 watt	14	6	20	
21									
22					400 watt	5	1	6	
23									
24									
25									
26									
27									
28									
29									
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44									
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46									
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48									
49									
50									
51									
52	TOTALS	107	54	161	0	222	2,812	3,034	

mid

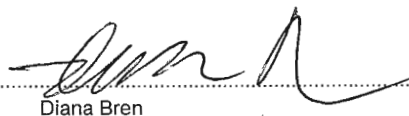
THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

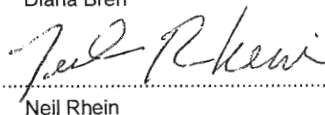
Town Manager

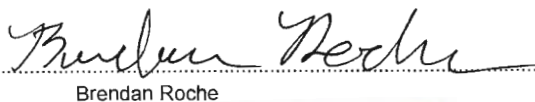

Joseph M. Sollecito

3/20/2024

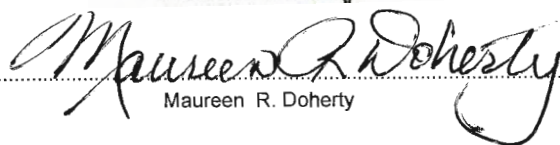
General Manager of Electric
Light


Diana Bren


Neil Rhein


Brendan Roche


Michael A. Trowbridge


Maureen R. Doherty

Selectmen
or
Members
of the
Municipal
Light
Board