



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,

2019

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)	\$4,007,786,218	
9. Tax rate for all purposes during the year:	Residential	\$15.22
	Commercial, Industrial and Personal Property	\$20.44
10. Amount of manager's salary:	Joseph Sollecito - Director	\$171,030
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	25,079,634
3	FROM RATE STABILIZATION FUND.....	0
4	TOTAL	25,079,634
5	Expenses:	
6	For operation, maintenance and repairs.....	21,042,602
7	For interest on bonds, notes or scrip.....	
8	For depreciation fund	1,400,979
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	
12	For loss in preceding year.....	
13	TOTAL	22,443,581
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.....	962,340
19	Of electricity to be used for street lights.....	100,793
20	Total of the above items to be included in the tax levy.....	1,063,133
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	1,063,133

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	10,052
		TOTAL	10,052

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Annual Report of Mansfield Municipal Electric Department	Year Ended December 31 2019
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.....	\$ 100,793
2. Municipal Buildings.....	962,340
	\$ 1,063,133
*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		TOTAL COST OF PLANT - ELECTRIC						8 Year Ended December 31 2019	
1. Report below the cost of utility plant in service according to prescribed accounts. 2. Do not include as adjustments, corrections of additions and retirements for the current or the pre-		ceding year. Such items should be included in column (c) or (d) as appropriate. 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts. 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)		
1	1. INTANGIBLE PLANT								
2									
3									
4									
5	2. PRODUCTION PLANT								
6	A. Steam Production								
7	310 Land and Land Rights.....						\$0.00		
8	311 Structures and Improvements.....						\$0.00		
9	312 Boiler Plant Equipment.....						\$0.00		
10	313 Engines and Engine Driven Generators.....						\$0.00		
11	314 Turbogenerator Units.....						\$0.00		
12	315 Accessory Electric Equipment.....						\$0.00		
13	316 Miscellaneous Power Plant Equipment.....						\$0.00		
14							\$0.00		
15	Total Steam Production Plant.....	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
16	B. Nuclear Production Plant								
17	320 Land and Land Rights.....						\$0.00		
18	321 Structures and Improvements.....						\$0.00		
19	322 Reactor Plant Equipment.....						\$0.00		
20	323 Turbogenerator Units.....						\$0.00		
21	324 Accessory Electric Equipment.....						\$0.00		
22	325 Miscellaneous Power Plant Equipment.....						\$0.00		
23	Total Nuclear Production Plant...	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		

Annual Report of Mansfield Municipal Electric Department							8A
TOTAL COST OF PLANT - ELECTRIC (Continued)							Year Ended December 31 2019
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights.....						\$0.00
3	331 Structures and Improvements.....						\$0.00
4	332 Reservoirs, Dams and Waterways						\$0.00
5	333 Water wheels, Turbines and Generators.....						\$0.00
6	334 Accessory Electric Equipment.....						\$0.00
7	335 Miscellaneous Power Plant Equipment.....						\$0.00
8	336 Roads, Railroads and Bridges.....						\$0.00
9	Total Hydraulic Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	D. Other Production Plant						
11	340 Land and Land Rights.....						\$0.00
12	341 Structures and Improvements.....						\$0.00
13	342 Fuel Holders, Producers and Accessories.....						\$0.00
14	343 Prime Movers.....						\$0.00
15	344 Generators.....						\$0.00
16	345 Accessory Electric Equipment.....						\$0.00
17	346 Miscellaneous Power Plant Equipment.....						\$0.00
18	Total Other Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	Total Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	3. Transmission Plant						
21	350 Land and Land Rights.....						\$0.00
22	351 Clearing Land and Rights of Way						\$0.00
23	352 Structures and Improvements.....						\$0.00
24	353 Station Equipment.....						\$0.00
25	354 Towers and Fixtures.....						\$0.00
26	355 Poles and Fixtures.....						\$0.00
27	356 Overhead Conductors and Devices...						\$0.00
28	357 Underground Conduits.....						\$0.00
29	358 Underground Conductors and Devices						\$0.00
30	359 Roads and Trails.....						\$0.00
31	Total Transmission Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Annual Report of Mansfield Municipal Electric Department						
TOTAL COST OF PLANT - ELECTRIC (Continued)						
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)
1	4. DISTRIBUTION PLANT					
2	360 Land and Land Rights	313,205				
3	361 Structures and Improvements	673,292	5,812			
4	362 Station Equipment	15,497,998	370,390			
5	363 Storage Battery Equipment	2,877,646	238,260			
6	364 Poles, Towers and Fixtures	1,645,509	87,200	5,734	128,072	
7	365 Overhead Conductors and Devices	8,164,490	116,529			
8	366 Underground Conductors & Devices	6,127,706	23,944		(128,072)	
9	367 Underground Conductors & Devices	9,585,817	15,704	15,635		
10	368 Line Transformers	3,372,930	18,022			
11	369 Services	1,124,654	11,712			
12	370 Meters	1,517,565	27,890			
13	371 Installation on Cust's Premises	0	0			
14	372 Leased Prop. on Cust's Premises	225,554	2,539	839		
15	373 Street Light and Signal Systems	1,077,150	288,243	3,157		
16	Total Distribution Plant	51,040,333	1,206,245	25,366	(0)	0
17	5. GENERAL PLANT					
18	389 Land and Land rights	0	0			
19	390 Structures and Improvements	1,900,642	7,700			
20	391 Office Furniture and Equipment	454,622	0			
21	392 Transportation Equipment	2,524,596	0			
22	393 Stores Equipment	32,097	437			
23	394 Tools, Shop and Garage Equipment	486,992	14,532			
24	395 Laboratory Equipment	48,330	0			
25	396 Power Operated Equipment	27,432	0			
26	397 Communication Equipment	79,192	160			
27	398 Miscellaneous Equipment	2,563,698	482,599		(5,510)	
28	399 Other Tangible Property	314,817	0		(68,612)	
29	Total General Plant	6,348,412	505,428	0	(74,122)	0
30	Total Electric Plant in Service	57,388,745	1,711,673	25,366	(74,122)	0
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
						61,934,916

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.

Annual Report of Mansfield Municipal Electric Department				10
				Year Ended December 31 2019
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.....	23,240,407	23,477,176	236,769
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....			
5	Total Utility Plant.....	23,240,407	23,477,176	236,769
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	3,332,375	2,796,403	(535,972)
14	128 Other Special Funds.....	1,738,309	2,563,779	825,470
15	Total Funds.....	5,070,684	5,360,182	289,497
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	14,738,081	15,472,034	733,953
18	132 Special Deposits.....	1,270,084	1,146,231	(123,853)
19	132 Working Funds.....			0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	2,189,759	2,352,670	162,911
22	143 Other Accounts Receivable.....	3,197,733	-	(3,197,733)
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	728,404	647,819	(80,585)
25				
26	165 Prepayments.....	2,300,992	2,339,693	38,701
27	174 Miscellaneous Current Assets	12,637	12,637	0
28	Total Current and Accrued Assets...	24,437,690	21,971,084	(2,466,606)
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.....	52,748,781	50,808,442	(1,940,340)

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).....	46,110,842	44,828,243	(1,282,599)
8	Total Surplus.....	46,110,842	44,828,243	(1,282,599)
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.....	3,113,203	2,524,145	(589,058)
15	234 Payables to Municipality.....			0
16	235 Customer Deposits.....	1,238,961	1,155,784	(83,177)
17	236 Taxes Accrued.....	51,047	137,074	86,027
18	237 Interest Accrued.....			0
19	242 Miscellaneous Current and Accrued Liabilities	159,540	60,963	(98,577)
20	Total Current and Accrued Liabilities...	4,562,751	3,877,965	(684,786)
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.....	336,879	350,099	13,220
28	261 Property Insurance Reserve.....			0
29	262 Injuries and Damages Reserves.....			0
30	263 Pensions and Benefits.....			0
31	265 Miscellaneous Operating Reserves.....	1,738,309	1,752,135	13,826
32	Total Reserves.....	2,075,188	2,102,234	27,046
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....			
35	Total Liabilities and Other Credits	52,748,781	50,808,441	(1,940,340)

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		Year Ended December 31 2019	
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)	22,983,566	(6,043,527)
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	19,712,647	(3,202,738)
5	402 Maintenance Expense (P. 42).....	1,329,954	211,290
6	403 Depreciation Expense	1,400,979	(754,828)
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	Total Operating Expenses.....	22,443,581	(3,746,276)
11	Operating Income.....	539,985	(2,297,251)
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income.....	539,985	(2,297,251)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	36,688	(55,793)
17	419 Interest Income.....	87,928	18,349
18	421 Miscellaneous Income.....	229,982	198,029
19	Total Other Income.....	354,599	160,586
20	Total Income.....	894,584	(2,136,666)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....	1,569,749	38,805
24	Total Income Deductions.....	1,569,749	38,805
25	Income before Interest Charges.....	(675,166)	(2,175,472)
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.....	31,767	15,101
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	31,767	15,101
33	Net Income.....	(706,933)	(2,190,674)
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		46,110,842
35			
36			
37	433 Balance transferred from Income.....		(706,933)
38	434 Miscellaneous Credits to Surplus.....		187,254
39	435 Miscellaneous Debits to Surplus.....	38,246	
40	436 Appropriations of Surplus (P.21).....	724,673	
41	437 Surplus Applied to Depreciation.....		
42	208 Unappropriated Earned Surplus (at end of period).....	44,828,243	
43			
44	TOTALS	45,591,162	45,591,162

UTILITY PLANT - ELECTRIC						
Line No.		Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)
		1. Report below the items of utility plant in service according to prescribed accounts	ceding year. Such items should be included in column (c).		effect of such amounts.	
		2. Do not include as adjustments, corrections of additions and retirements for the current or the pre-	3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative		4. Reclassifications or transfers within utility plant accounts should be shown in column (f).	
					Adjustments Transfers (f)	Balance End of Year (g)
1		1. INTANGIBLE PLANT				
2						
3						
4						
5		2. PRODUCTION PLANT				
6		A. Steam Production				\$0.00
7		310 Land and Land Rights				
8		311 Structures and Improvements				
9		312 Boiler Plant Equipment				
10		313 Engines and Engine Driven Generators				
11		314 Turbogenerator Units				
12		315 Accessory Electric Equipment				
13		316 Miscellaneous Power Plant Equipment				
14		Total Steam Production Plant				\$0.00
15		B. Nuclear Production Plant				
16		320 Land and Land Rights				
17		321 Structures and Improvements				
18		322 Reactor Plant Equipment				
19		323 Turbogenerator Units				
20		324 Accessory Electric Equipment				
21		325 Miscellaneous Power Plant Equipment				
22		Total Nuclear Production Plant				\$0.00
23						

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							Year Ended December 31 2018
UTILITY PLANT - ELECTRIC (continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	c. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant						\$0.00
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant						\$0.00
19	Total Production Plant						\$0.00
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way..						
23	352 Structures and Improvements..						
24	353 Station Equipment.....						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Device..						
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	Total Transmission Plant						\$0.00

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UTILITY PLANT - ELECTRIC (continued)							Year Ended December 31 2019
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.....	64,672	5,812	11,643			58,841
4	362 Station Equipment.....	5,156,545	370,390	361,507			5,165,429
5	363 Storage Battery Equipment.....	1,897,997	238,260	87,680			2,048,573
6	364 Poles and Fixtures.....	287,316	87,200	31,007			343,509
7	365 Overhead Conductors and Devices...	3,625,912	116,529	229,732		128,072	3,640,781
8	366 Underground Conducts.....	2,769,462	23,944	163,013			2,630,393
9	367 Underground Conductors and Devices	3,264,858	15,704	212,749		(128,072)	2,939,741
10	368 Line Transformers.....	205,308	18,022	5,989			217,342
11	369 Services.....	26,754	11,712	2,286			36,180
12	370 Meters.....	713,266	27,890	39,319			701,837
13	371 Installation on Cust's Premises....	0	0	0			0
14	372 Leased Prop. on Cust's Premises....	11,162	2,539	226			13,475
15	373 Street Light and Signal Systems....	304,017	288,243	14,913			577,347
16	Total Distribution Plant	19,229,597	1,206,245	1,160,063	0	0	18,686,653
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....	0		0			0
19	390 Structures and Improvements.....	695,958	7,700	50,627			653,031
20	391 Office Furniture and Equipment.....	(72)	0	(72)			0
21	392 Transportation Equipment.....	1,215,138	0	62,725			1,152,413
22	393 Stores Equipment.....	8,738	437	955			8,219
23	394 Tools, Shop and Garage Equipment...	139,823	14,532	20,600			133,756
24	395 Laboratory Equipment.....	25,971	0	1,131			24,840
25	396 Power Operated Equipment.....	0	0	0			0
26	397 Communication Equipment.....	0	160	2			158
27	398 Miscellaneous Equipment.....	2,397,178	482,599	100,194		(5,509)	2,774,074
28	399 Other Tangible Property.....	117,399	0	4,754		(68,612)	44,033
29	Total General Plant	2,816,895	505,428	240,917	0	(74,121)	4,790,523
30	Total Electric Plant in Service	22,046,494	1,711,673	1,400,979	0	(74,121)	23,477,176
31	104 Utility Plant leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....						
34	108 Accumulated Depreciation	0		0		0	0
	Total Utility Electric Plant	22,209,727	1,711,673	1,400,979	0	(74,121)	23,477,176

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				Cost (k)
		Quantity (h)	Cost (i)	Quantity (j)		
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

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		Year Ended December 31, 2019
MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	Misc. Non-operating Revenue	229,982
2		
3		
4		
5		
6	TOTAL	229,982
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7	Donations	85,596
8	Energy Rebates	33,350
9	Discounts Allowed	1,450,803
10		
11		
12		
13		
14	TOTAL	1,569,749
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15	Flush of Funds Credit from MMWEC	187,254
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	187,254
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	Retirement of Plant Equipment	38,246
25		
26		
27		
28		
29		
30		
31		
32	TOTAL	38,246
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33	Town of Mansfield - Payment in Lieu of Taxes	724,673
34		
35		
36		
37		
38		
39		
40	TOTAL	724,673

Annual Report of Mansfield Municipal Electric Department					22	
					0.00	
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	9,127,583	1,063,133	0.1165	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19		TOTALS	9,127,583	1,063,133	0.1165	
PURCHASED POWER (Account 556)						
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 Mansfield Municipal Electric Department						Year Ended December 31 2019		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.								
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	78,806,731	9,745,684	0.1237	8,786	8,914	
2								
3								
4								
5	442	Commercial	11,081,651	744,877	0.0672	776	782	
6		Industrial	106,732,442	14,589,073	0.1367	244	245	
7								
8								
9								
10	444	Municipal	9,127,583	1,063,133	0.1165	108	111	
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								
48	TOTAL SALES TO ULTIMATE CONSUMERS							
49	(Page 37 Line 11)			205,748,407	26,142,788	0.1271	9,914	10,052

Annual Report of Mansfield Municipal Electric Department
39
Year Ended December 31 2019

ELECTRIC OPERATION AND MAINTENANCE EXPENSES			
1. Enter in the space provided the operation and maintenance expenses for the year. 2. If the increases and decreases are not divided from previously reported figures explain in footnote.			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSE		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering.....		
5	501 Fuel.....		
6	502 Steam expense.....		
7	503 Steam from other sources.....		
8	504 Steam transferred -- Cr.....		
9	505 Electric expenses.....		
10	506 Miscellaneous steam power expenses.....		
11	507 Rents.....		
12	Total Operation		
13	Maintenance:		
14	510 Maintenance supervision and engineering.....		
15	511 Maintenance of structures.....		
16	512 Maintenance of boiler plant.....		
17	513 Maintenance of electric plant.....		
18	514 Maintenance of miscellaneous steam plant.....		
19	Total Maintenance		
20	Total power production expenses -- steam power		
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering.....		
24	518 Fuel.....		
25	519 Coolants and water.....		
26	520 Steam expense.....		
27	521 Steam from other sources.....		
28	522 Steam transferred -- Cr.....		
29	523 Electric expenses.....		
30	524 Miscellaneous nuclear power expenses.....		
31	525 Rents.....		
32	Total Operation		
33	Maintenance:		
34	528 Maintenance supervision and engineering.....		
35	529 Maintenance of structures.....		
36	530 Maintenance of reactor plant equipment.....		
37	531 Maintenance of electric plant.....		
38	532 Maintenance of miscellaneous nuclear plant.....		
39	Total Maintenance		
40	Total power production expenses -- nuclear power		
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering.....		
44	536 Water for power.....		
45	537 Hydraulic expenses.....		
46	538 Electric expenses.....		
47	539 Miscellaneous hydraulic power generation expenses.....		
48	540 Rents.....		
49	Total Operation	0	0

(continued on page 40)

Annual Report of Mansfield Municipal Electric Department		Year Ended December 31 2019	
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.....	12,634,532	(3,203,094)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....		
29	Total Other Power Supply Expenses	12,634,532	(3,203,094)
30	Total Power Production Expenses	12,634,532	(3,203,094)
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.....	4,061,763	(328,353)
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	4,061,763	(328,353)
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 Transmssion Expenses	4,061,763	(328,353)

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			Year Ended December 31 2019
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.....	156,273	7,102
4	581 Load Dispatching.....	200,604	(19,526)
5	582 Station Expenses.....	248,071	(4,822)
6	583 Overhead Line Expenses.....	13,850	(27,322)
7	584 Underground Line Expenses.....	266	(6,775)
8	585 Street Lighting and Signal System Expenses.....	40,239	40,239
9	586 Meter Expenses.....	14,482	(29,803)
10	587 Customer Installations Expenses.....	0	(8,688)
11	588 Miscellaneous Distribution Expenses.....	0	0
12	589 Rents.....	0	0
13	Total Operation	673,785	(49,595)
14	Maintenance:		
15	590 Maintenance Supervision and Engineering.....	0	0
16	591 Maintenance of Structures.....	108,241	21,116
17	592 Maintenance of Station Equipment.....	1,145	1,145
18	593 Maintenance of Overhead Lines.....	1,041,859	190,036
19	594 Maintenance of Underground Lines.....	25,920	16,591
20	595 Maintenance of Line Transformers.....	0	(4,369)
21	596 Maintenance of Street Lighting and Signal Systems....	36,008	(6,475)
22	597 Maintenance of Meters.....	900	900
23	598 Maintenance of Miscellaneous Distribution Plant.....	1,389	545
24	Total Maintenance	1,215,463	219,480
25	Total Distribution Expenses	1,889,248	169,895
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....	0	0
29	902 Meter Reading Expenses.....	167,329	(33,131)
30	903 Customer Records and Collection Expenses.....	702,237	16,122
31	904 Uncollectable Accounts.....	80,000	0
32	905 Miscellaneous Customer Accounts Expenses.....	28,963	5,777
33	Total Customer Accounts Expenses	978,529	(11,233)
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.....	323,833	(6,039)
44	921 Office Supplies and Expenses.....	196,303	39,184
45	922 Administrative Expenses Transferred - Cr.....	0	0
46	923 Outside Services Employed.....	262,680	14,706
47	924 Property Insurance.....	80,098	34,046
48	925 Injuries and Damages.....	126,614	102,855
49	926 Employees Pensions and Benefits.....	2,184	4,620
50	928 Regulatory Commission Expenses.....	0	0
51	929 Duplicate Charges - Cr.....	0	0
52	930 Miscellaneous General Expenses.....	356,547	197,986
53	931 Rents.....	15,780	2,180
54	Total Operation	1,364,038	389,537

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Annual Report of Mansfield Municipal Electric Department

Year Ended December 31 2019

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.....	114,492	(8,200)
5	Total Maintenance	114,492	(8,200)
6	Total Administrative and General Expenses	1,478,530	381,337
7	Total Electric Operation and Maintenance Expenses	21,042,602	17,236,294

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.....	12,634,532		12,634,532
15	Total Power Production Expenses	12,634,532		12,634,532
16	Transmission Expenses.....	4,061,763		4,061,763
17	Distribution Expenses.....	673,785	1,215,463	1,889,247
18	Customer Accounts Expenses.....	978,529		978,529
19	Sales Expenses.....			
20	Administrative and General Expenses.....	1,364,038	114,492	1,478,530
21	Power Production Expenses			
22	Total Electric Operation and Maintenance Expenses	19,712,647	1,329,954	21,042,602

23 Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) 97.65%
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..... 2,161,425

25 Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees) 21

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1	NONE				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
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37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51	TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

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					Year Ended December 31 2019
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.....	36,688			36,688
5	Commissions.....				
6	Other (List according to major classes)				
7					
8					
9					
10	Total Revenues.....	36,688	\$0.00	\$0.00	36,688
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)	36,688	\$0.00	\$0.00	36,688

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G,

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

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as other power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to	Statistical Classification	Export Across State Lines	Point of Delivery	Substation	Kw or Kva of Demand (Specify which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
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15								
16								
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27								
28								
29								
30								
31								
32								
33								
34								
35								

SALES FOR RESALE (Account 447) - Continued

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

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

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

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

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

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Year Ended December 31 2019

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	Transmission Charges							
11	Hydro Qubec	O	X	GILBERT ST.	SS			
12	ISO OATT			GILBERT ST.	SS			
13	System Power	DP						
14	Hancock Wind	O	X	GILBERT ST.	SS	3,129		
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 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.

Type of Demand Reading (l)	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	9,900,960	65,340	49,237	115,506	230,083	\$ 0.0232	1
60 MINUTES	115 kv	109,827	229,973	20,422	13,110	263,505	\$ 2.3993	2
60 MINUTES	115 kv	2,280,218	643,224	64,675	20,351	728,250	\$ 0.3194	3
60 MINUTES	115 kv	1,102,809	28,038	5,814	66	33,918	\$ 0.0308	4
60 MINUTES	115 kv	9,454,929	295,917	59,394	8,953	364,264	\$ 0.0385	5
60 MINUTES	115 kv	5,556,154	175,634	34,903	5,261	215,798	\$ 0.0388	6
60 MINUTES	115 kv	27,049,334	692,526	142,612	1,621	836,759	\$ 0.0309	7
60 MINUTES	115 kv	2,445,727	63,644	12,895	147	76,686	\$ 0.0314	8
60 MINUTES	115 kv	55,587,865	1,656,781	293,076	3,332	1,953,189	\$ 0.0351	9
								10
60 MINUTES	115 kv	-	-	-	89,987	89,987		11
60 MINUTES	116 kv	-	-	-	3,570,815	3,570,815		12
	115 kv	1,296,000	542,500	44,821	-	587,321	\$ 0.4532	13
60 MINUTES	115 kv	8,944,807	-	486,204	354	486,558	\$ 0.0544	14
								15
		2,157,888	1,398,410			1,398,410	\$ 0.6480	16
		34,980,000	1,695,101			1,695,101	\$ 0.0485	17
		13,584,000	653,390			653,390	\$ 0.0481	18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33
								34
TOTALS		174,450,518	8,140,478	1,214,053	3,829,503	13,184,034		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

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
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX				215,773,610	167,170,610	48,603,000	5,818,693
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	215,773,610	167,170,610	48,603,000	5,818,693

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	NEPEX	INTERCHANGE EXPENSE	5,506,489
14		NEPOOL EXPENSE	312,204
15			
16			
17			
18			
19			
20			
21		TOTALS	5,818,693

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)
1	SOURCES OF ENERGY	
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	0
8	Purchases.....	161,783,954
9	Interchanges..... { In (gross) 215,773,610	
10	{ Out (gross) 167,170,610	
11	{ Net (Kwh).....	48,603,000
12	{ Received.....	
13	Transmission for/by others (Wh)..... { Delivered.....	
14	{ Net (kwh).....	210,386,954
15	TOTAL	
16	DISPOSITION OF ENERGY	
17	Sales to ultimate consumers (including interdepartmental sales).....	205,748,407
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..... 4,638,547	
25	Unaccounted for losses.....	
26	Total energy losses.....	4,638,547
27	Energy losses as percent of total on line 15..... 2.20%	
28	TOTAL	210,386,954

MONTHLY PEAKS AND OUTPUT

- Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- Monthly peak 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.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
- Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
- If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

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	37,727	Monday	21	20:00	60 min.	19,256,752
30	February	32,971	Tuesday	26	20:00	60 min.	16,776,820
31	March	32,396	Wednesday	6	19:00	60 min.	17,384,846
32	April	26,916	Thursday	4	20:00	60 min.	15,028,021
33	May	30,048	Monday	20	17:00	60 min.	15,498,218
34	June	40,393	Friday	28	16:00	60 min.	17,240,524
35	July	47,012	Wednesday	31	16:00	60 min.	22,242,351
36	August	46,864	Monday	19	15:00	60 min.	20,533,044
37	September	37,007	Monday	23	16:00	60 min.	16,096,142
38	October	28,425	Wednesday	2	11:00	60 min.	15,440,695
39	November	31,125	Wednesday	13	20:00	60 min.	16,326,126
40	December	34,490	Thursday	19	20:00	60 min.	18,563,415
41						TOTAL	210,386,954

GENERATING STATION STATISTICS (Large Stations)
(Except Nuclear, See Instruction 10)

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Hw* or more of installed capacity and other stations of 500 Kw* or more of installed capacity (name plate ratings). (*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.)

2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.

3. Specify if total plant capacity is reported in kva instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.

5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.

6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.

7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501 and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (d)
1	Kind of plant (steam, hydro, int. com., gas turbine)			
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)			
3	Year originally constructed			
4	Year last unit was installed			
5	Total installed capacity (maximum generator name plate ratings in kw)			
6	Net peak demand on plant-kilowatts (60 min.)			
7	Plant hours connected to load			
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water			
10	(b) When limited by condenser water			
11	Average number of employees			
12	Net generation, exclusive of station use			
13	Cost of plant (omit cents):			
14	Land and land rights			
15	Structures and improvements			
16	Reservoirs, dams, and waterways			
17	Equipment costs			
18	Roads, railroads, and bridges			
19	Total cost	\$0	\$0	\$0
20	Cost per kw of installed capacity	N/A	N/A	N/A
21	Production expenses:			
22	Operation supervision and engineering			
23	Station labor			
24	Fuel			
25	Supplies and expenses, including water			
26	Maintenance			
27	Rents			
28	Steam from other sources			
29	Steam transferred -- Credit			
30	Total production expenses	\$0.00	\$0.00	\$0.00
31	Expenses per net Kwh (5 places)	0.0000	N/A	N/A
32	Fuel: Kind			
33	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42 gals.) (Gas-M cu. ft.) (Nuclear, indicate)			
34	Quantity (units) of fuel consumed			
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)			
36	Average cost of fuel per unit, del. f.o.b. plant			
37	Average cost of fuel per unit consumed			
38	Average cost of fuel consumed per million B.t.u.			
39	Average cost of fuel consumed per kwh net gen.			
40	Average B.t.u. per kwh net generation			
41				
42				

GENERATING STATION STATISTICS (Large Stations) -- Continued
(Except Nuclear, See Instruction 10)

547 as shown on Line 24

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

operations with a conventional steam unit, the gas turbine should be included with the steam station.

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
NONE						1
						2
						3
						4
						5
						6
						7
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						9
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						35
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						40
						41
						42

STEAM GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of

lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers			
				Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1	NONE						
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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35							
36							
37							

Note Reference:

* Indicates reheat boilers thusly, 1050/1000.

STEAM GENERATING STATIONS -- Continued

expenses to revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name or lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Turbine-Generators*

Year Installed (h)	Type (i)	' Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure**		Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating**+ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Hydrogen Pressure**					
						Min. (n)	Max. (o)				
				NONE							1
											2
											3
											4
											5
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											36
TOTALS											37

Note references:

*Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. section.

+ Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and noncondensing (N.C.). Show back pressures.

** Designate air cooled generators.

++ If other than 3 phase, 60 cycle, indicate other characteristics.

*+ Should agree with column (m).

HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1	*** NONE ***						
2							
3							
4							
5							
6							
7							
8							
9							
10							
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36							
37							

* Horizontal or vertical. Also indicate type of runner -- Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), impulse (I).

Water Wheels -- Continued			Generators						Total Installed Generating Capacity In Kil- owatts (name plate ratings) (q)	Line No.
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Fre- quency or d.c. (n)	Name Plate Rating of Unit In Kilowatts (o)	Number of Units In Station (p)		
		*** NONE ***								1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
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										38
TOTALS										39

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	NONE						
2							
3							
4							
5							
6							
7							
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38							
39							

Specify whether lessee is an associated company.
5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers -- Continued			Generators					Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit In Kilowatts (n)	Number of Units in Station (o)		
NONE									1
									2
									3
									4
									5
									6
									7
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TOTALS									39

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1					NONE	NONE		
2								
3								
4								
5								
6								
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42								
43								
44								
45								
46								
47	TOTALS				0.00		0	

* Where other than 60 cycle, 3 phase, so indicate.

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less than 5000 Kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (f), (g), and (h) special equipment such as rotary converters, reflectors, condensers, etc. and auxiliary equipment for increasing capacity.
6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by

reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (in Service) (f)	Number Of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number Of Units (j)	Total Capacity (k)
1	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											
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31											
32											
TOTALS						240,000	0	0			

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	0.00		0.00
4	Miles - End of Year	89.10		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.....		10,879	2,047	110,570
17	Additions during year:				
18	Purchased.....		187	16	1,290
19	Installed.....				
20	Associated with utility plant acquired.....				
21	Total additions.....		187	16	1,290
22	Reduction during year:				
23	Retirements.....		193	40	1,779
24	Associated with utility plant sold.....				
25	Total reductions.....		193	40	1,779
26	Number at End of Year.....		10,873	2,023	110,081
27	In Stock.....		676	106	8,491
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....				
31	In Companies' Use.....				
32	Number at End of Year.....		676	106	8,491

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STREET LAMPS CONNECTED TO SYSTEM								
Line No.	City or Town (a)	TYPE						
		High Press. Sodium			LED			
		Other (b)	Municipal (c)	Total (d)		Other (f)	Municipal (g)	Total (h)
1	Mansfield							
2								
3								
4	50 Watt	36	643	679	31W		10	10
5								
6	100 Watt	3	238	241	36 watt	58	1,440	1,498
7								
8	250 Watt	8	20	28	51 watt	3	287	290
9								
10	400 Watt	169	61	230	73 watt	0	31	31
11								
12	1000 Watt	1		1				
13					85 watt	35	9	44
14								
15					90 watt	1	26	27
16								
17					91 watt	2	5	7
18								
19					103 watt	17	64	81
20								
21					140 watt	4	2	6
22								
23								
24								
25								
26								
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36								
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44								
45								
46								
47								
48								
49								
50								
51								
52	TOTALS	217	962	1,179	0	120	1,874	1,994

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 2019</td><td>(0.00220</td></tr><tr><td>Jul - Dec 2019</td><td>0.0000</td></tr></table> Residential Credit Factor as follows: <table><tr><td>Date</td><td>New Rate</td></tr><tr><td>Jan - Dec 2019</td><td>(0.0130)</td></tr></table> Non-Residential Credit Factor as follows: <table><tr><td>Date</td><td>New Rate</td></tr><tr><td>Jan - Dec 2019</td><td>(0.0085)</td></tr></table>	Date	New Rate	Jan - Jun 2019	(0.00220	Jul - Dec 2019	0.0000	Date	New Rate	Jan - Dec 2019	(0.0130)	Date	New Rate	Jan - Dec 2019	(0.0085)		
Date	New Rate																	
Jan - Jun 2019	(0.00220																	
Jul - Dec 2019	0.0000																	
Date	New Rate																	
Jan - Dec 2019	(0.0130)																	
Date	New Rate																	
Jan - Dec 2019	(0.0085)																	

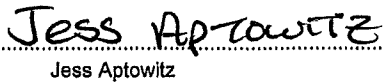
THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... Mayor


.....
Joseph M. Sollecito

7/27/2020

Manager of Electric Light


.....
Jess Aptowitz

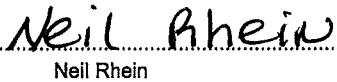
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JS


.....
Frank Delvecchio

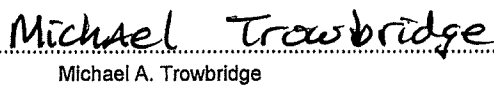
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JS


.....
Neil Rhein

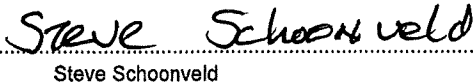
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JS


.....
Michael A. Trowbridge

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JS


.....
Steve Schoonveld

*

JS

Selectmen
or
Members
of the
Municipal
Light
Board

* Board of Commission Meeting (7/27/2020)
VOTED TO AUTHORIZE ELECTRONIC SIGNATURE