

The Commonwealth of Massachusetts

**RETURN**

OF

**East Northfield Water Company**

TO THE

**DEPARTMENT OF PUBLIC UTILITIES**

OF MASSACHUSETTS

**For the Year Ended December 31, 2018**

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

Lynne E. Raymer

Official title:

Treasurer

Office Address:

One Parker Avenue, Northfield, MA 01360

Mailing Address:

PO Box 152, Northfield, MA 01360

Page 102

**GENERAL INFORMATION**  
**PRINCIPAL AND SALARIED OFFICERS\***

Titles	Names	Addresses	Annual Salaries
President	John E. Alden, Jr.	One Lamplighter Way, Mount Hermon, MA 01354	No Salary Paid
Treasurer	Lynne E. Raymer	One Lamplighter Way, Mount Hermon, MA 01354	No Salary Paid
Clerk	Mary Franzoso	One Lamplighter Way, Mount Hermon, MA 01354	No Salary Paid

**DIRECTORS\***

Names	Addresses	Fees Paid During Year
John E. Alden, Jr.	One Lamplighter Way, Mount Hermon, MA 01354	-
Lynne E. Raymer	One Lamplighter Way, Mount Hermon, MA 01354	-
Mary Franzoso	One Lamplighter Way, Mount Hermon, MA 01354	-

\* By G.L. c. 164 , § 83, each company must include on the Annual Return a "list of the names of all their salaried officers and the amount of the salary paid to each." In addition, by G.L. c. 164, § 77, the Department is required to include in its annual report "the names and addresses of the principal officers and the directors" of the companies subject to G.L. c. 164.

Page 103

## General Information - Continued

1. Full corporate title company, East Northfield Water Company Telephone No. **413-498-3159**
2. Location of principal business office, One Lamplighter Way, Mount Hermon, MA 01354
3. Date of organization, **1/18/1927** 4. Date of incorporation, **2/11/1927**
5. Whether incorporated under general or special law, Federal Law
6. If under special law, give chapter and year of act,
7. Give chapter and year of any subsequent special legislation affecting the Company None
8. Territory covered by charter rights, East Northfield, Massachusetts
9. Capital stock authorized by charter **\$ 25,000**
10. Capital stock issued prior to August 1, 1914 **\$ -**
11. Capital stock issued with approval of Board of Gas and Electric Light Commissioners or the Department of Public Utilities since August 1, 1914,  
**165** shares of par value of \$ **100** each **\$ 16,500**
12. If additional stock has been issued during the last fiscal period, give the date, amount, and price thereof, the date or dates on which the same was paid in, and the number of shares so sold and the amounts realized:  
D.P.U. No.  
**None**
13. Management Fees and Expenses during the Year **\$ 34,816**  
List all individuals, associations, corporations or concerns with whom the company has any contract or agreement, covering management or supervision of its affairs such as accounting, financing, engineering, construction, purchasing, operation and show the total amount paid to each for the year.  
**Northfield Mount Hermon school**
14. Date when Company first began to distribute and sell water **4/1/1928**
15. Total number of stockholders, **One**
16. Number of stockholders resident in Massachusetts, **One**
17. Amount of stock held in Massachusetts, number of shares **165** amount, \$ **16,500**

Page 200

## COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consistent with those in the supporting schedules on the pages indicated.

Line No.	Balance at Beginning of Year (a)	Assets (b)	Balance at Close of Year (c)	Net Change During Year (d)
1		Investments		
2	1,201,852	101 - 113 Plant Investment (p 202)	1,201,852	-
3	209,297	114 - 119 General Equipment (p 202)	225,441	16,144
4		201 Unfinished Construction (p 202)		-
5		202 Miscellaneous Physical Property (p 203)		-
6		203 Other Investments (p 203)		-
7	1,411,149	Total Investments	1,427,293	16,144
8		Current Assets		
9	233,050	204 Cash	211,490	(21,560)
10	-	205 Special Deposits	-	-
11	-	206 Notes Receivable	-	-
12	118,374	207 Accounts Receivable	97,639	(20,735)
13	-	208 Interest and Dividends Receivable	-	-
14		209 Materials and Supplies		-
15	-	210 Other Current Assets	-	-
16	351,424	Total Current Assets	309,129	(42,295)
17		Reserve Funds		
18	-	211 Sinking Funds	-	-
19	-	212 Insurance and Other Funds	-	-
20	-	Total Reserve Funds	-	-
21		Prepaid Accounts		
22	13,624	213 Prepaid Insurance	13,766	142
23	-	214 Prepaid Interest	-	-
24		215 Other Prepayments		-
25	13,624	Total Prepaid Accounts	13,766	142
26		Unadjusted Debits		
27	-	216 Unamortized Dept Discount Exp (p 203)		-
28	-	217 Property Abandoned	-	-
29	-	218 Other Unadjusted Debits (p 203)		-
30	-	Total Unadjusted Debits	-	-
31				
32	1,776,197	Grand Total	1,750,188	(26,009)

Page 201

## COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consistent with those in the supporting schedules on the pages indicated.

Line No.	Balance at Beginning of Year (a)	Assets (b)	Balance at Close of Year (c)	Net Change During Year (d)
1		Capital Stock		
2				
3	16,500	301 Common Stock (p 204)	16,500	-
4		302 Preferred Stock (p 204)		-
5		303 Employees' Stock (p 204)		-
6	16,500	Total Capital Stock	16,500	-
7				
8	1,308,613	304 Premium on Capital Stock	1,308,613	
9				
10		Bonds, Coupon, and Long Term Notes		
11				
12		305 Bonds (p 204)		-
13		306 Coupon and Long Term Notes (p 204)		-
14	-	Total Bonds, Coupons, and Long Term Notes	-	-
15		Current Liabilities		
16	842,459	307 Notes Payable (p 205)	852,533	10,074
17		308 Accounts Payable		-
18		309 Customers' Deposits		-
19		310 Matured Interest Unpaid		-
20		311 Dividends Declared		-
21		312 Other Current Liabilities		-
22	842,459	Total Current Liabilities	852,533	10,074
23		Accrued Liabilities		
24	950	313 Tax Liability	1,000	50
25		314 Interest Accrued		-
26		315 Other Accrued Liabilities		-
27	950	Total Accrued Liabilities	1,000	50
28		Unadjusted Credits		
29		316 Premium on Bonds (p 205)		-
30		317 Other Unadjusted Credits (p 205)		-
31	-	Total Unadjusted Debits	-	-
32		Reserves		
33		318 Insurance and Casualty Reserves		-
34	836,625	319 Depreciation Reserve (p 206)	873,332	36,707
35		320 Other Reserves		-
36	836,625	Total Reserves	873,332	36,707
37		Appropriated Surplus		
38		321 Sinking Fund Reserves		-
39		323 Contributions for Extensions		-
40		324 Surplus Invested in Plant		-
41	-	Total Appropriated Surplus	-	-

42	<b>(1,245,386)</b>	400 Profit and Loss Balance (p 301)	<b>(1,226,968)</b>	<b>18,418</b>
43	<b>(1,245,386)</b>	Total Corporate Surplus	<b>(1,226,968)</b>	<b>18,418</b>
44				
45	<b>451,148</b>	Grand Total	<b>516,397</b>	<b>65,249</b>

Page 202

## PLANT INVESTMENT ACCOUNTS

Show for all items of plant, classified in accordance with the prescribed Uniform System of Accounts, the particulars called for by the column headings.

Credits in column (d) for plant retired during the year should be fully explained in a footnote. Column (e), "Adjustments During Year" should be interpreted to mean modifications of entries made in prior accounting periods. When any adjusting entry is made in Column (e), the credit to the account should be shown in red; in case the amount is transferred to some other account in the same schedule, the debit amount should appear in the same column in black.

When the whole or any part of "Unfinished Construction" is transferred to the Plant accounts, the amounts transferred should appear in Column (e) in red and the amounts should appear in Column (c) in black.

Line No.	Name of Account (a)	Balance at Beginning of Year (b)	Additions During Year (c)	Plant Retired During Year (d)	Adjustments During Year (e)	Balance at Close of Year (f)
1	Intangible Property					
2	Organization	-				
3	Misc Intangible Invest	-				
4	Total Intangible Property	-	-	-	-	-
5	Tangible Property					
6	Land					-
7	Structures	605,778				605,778
8	Pumping Plant Equipment	94,017				94,017
9	Misc. Pumping Plant Equipment	27,530				27,530
10	Purification System	191,712				191,712
11	Transmission and Distribution Mains	91,890				91,890
12	Services	94,295				94,295
13	Consumers' Meters	79,837				79,837
14	Conumers' Meter Installation					-
15	Hydrants	16,793				16,793
16	Fire Cisterns, Basins, Fountains					-
17	Water Rights					-
18	Miscellaneous Expenditures					-
19	Total Plant Investment	1,201,852	-	-	-	1,201,852
20	General Equipment					
21	Office Equipment					-
22	Shop Equipment	-				-
23	Stores Equipment	-				-
24	Transportation Equipment	-	-	-		-
25	Laboratory Equipment	-				-
26	Miscellaneous Equipment	209,297	16,144			225,441
27	Total General Equip	209,297	16,144	-	-	225,441
28	Unfinished Construction	-				-
29	Total Cost of All Property	1,411,149	16,144	-	-	1,427,293
30	Assessed Value of Real Estate					
31	Assessed Value of Other Property					
32	Total Assessed Value	-				-

Page 203

MISCELLANEOUS PHYSICAL PROPERTY

Give particulars of all investments of the respondent in physical property not devoted to utility operation.

Line No.	Description and Location of Miscellaneous Physical Property Held End of Year (a)	Book Value at End of Year (b)	Revenue for the Year (c)	Expense for the Year (d)	Net Revenue for the Year (e)
1					
2					
3					
4					
5					
Totals		\$ -	\$ -	\$ -	\$ -

OTHER INVESTMENTS

Give particulars of investments in stocks, bonds, etc., held by the respondent at end of year.

	Description of Security held by Respondent (a)	Amount (b)		
6		\$		
7				
8				
9				
TOTAL				

UNAMORTIZED DEBT DISCOUNT AND EXPENSE

Give an analysis of the respondent's accodiscount and/or expense on bonds, coupon, or short term notes. If the account represents only the expense incurred in connection with the issue, the word "Discount" should be erased. Entires in Column (d) should be consistent with the returns made on page 301, Schedules of Income and Profit and Loss.

Line No.	Name of Security (a)	Unextinguished Discount at Beginning of Year (b)	Discount on Bonds, etc. Issued During Year (c)	Discount Written Off During Year (d)	Unextinguished Discount at Close of Year (e)
10					-
11					-
12					-
13					-
14					-
15					-
Totals		\$ -	\$ -	\$ -	\$ -

OTHER UNADJUSTED DEBITS

Give an analysis of the above-entitled account as close of year, showing in detail each item or subaccount amounting to \$500 or more. Items less than \$500 may be combined in a single entry "Minor Items.....in number, each less than \$500," giving the number of items thus combined.

Line No.	Description and Character of Unadjusted Debits (a)	Balance at Beginning of Year (b)	Amount Added During Year (c)	Amount Written Off During Year (d)	Balance at Close of Year (e)
16					-
17					-
18					-
19					-
20					-
21					-
Totals		\$ -	\$ -	\$ -	\$ -





SUNDRY CURRENT LIABILITIES						
NOTES PAYABLE						
Line No.	Name of Creditor (a)	Date of Issue (b)	Date of Maturity (c)	How Secured (d)	Rate of Interest (e)	Amount (f)
1	Northfield Mt Hermon School					852,533
2						
3						
4						
5						
6						
7						
8				TOTAL		852,533
PREMIUM ON BONDS						
Give an analysis of the respondent's accounts covering premium on bonds or other evidences of indebtedness. Entries in Column (d) should be consistent with the returns made on page 301, Schedules of Income and Profit and Loss.						
	Name of Security (a)	Unextinguished Premium at Beginning of Year (b)	Premium on Bonds Issued During Year (c)	Premium Written Off During Year (d)	Unextinguished Premium at End of Year (e)	
9		\$	\$	\$	\$	
10						
11						
12	TOTALS					
OTHER UNADJUSTED CREDITS						
Give the names in Column (a) and indicate the character, in Column (b) of the several subaccounts that appear as "Other Unadjusted Credits." For items less than \$1,000, a single entry may be made under the caption "Minor accounts.....in number, each less than \$1,000," stating the number.						
	Name of Subaccount (a)	Character of Subaccount (b)			Amount (c)	
13					\$	
14						
15						
16						
17						
18		TOTAL				

Page 206

**DEPRECIATION RESERVE**

Show below the amount credited during the year to Depreciation Reserve, and the amount charged to Depreciation Reserve on account of property retired. Also the balance in the account at the close of the year.

Line No.	(a)	Amount (b)
1	Balance at beginning of year	\$ 836,625
2	Credits to Depreciation Reserve during year:	
3	Acct. 610-10 Depreciation	36,707
4	Other Accounts	
5		
6	TOTAL CREDITS DURING YEAR	\$ 873,332
7	Net Charges for Plant Retired:	
8	Book Cost of Plant Retired	
9	Cost of Removal	
10	Salvage (credit in red)	
11		
12	NET CHARGES DURING YEAR	-
13	Balance December 31	\$ 873,332

**BASES OF DEPRECIATION CHARGES**

Give in detail the rule and rates by which the respondent determined the amount charged to operating expenses and other accounts, and credited to Depreciation Reserve. Report also the depreciation taken for the year for federal income tax purposes.

**Straight-line depreciation**

14	<b>Hydrants &amp; Services</b>	<b>50 years</b>
15	<b>Transmissions &amp; distribution mains</b>	<b>50 years</b>
16	<b>Chemical treatment plant structures</b>	<b>35 years</b>
17	<b>Meters</b>	<b>20 years</b>
18	<b>General Equipment</b>	<b>20 years</b>
19	<b>Chemical treatment plant equipment</b>	<b>12 years</b>

**Tax Depreciation      \$    32,849**

**INCOME STATEMENT FOR THE YEAR**

Give the Income Account of the respondent for the year ended December 31, in accordance with the Uniform System of Accounts for Water Companies

Line No.	Account No.	Item (a)	Amount (b)	Comparison with Previous Year (c)
1		Operating Income		
2	500	Operating Revenues (p 302)	199,326	206,249
3	600	Operating Expenses (p 302-303)	296,653	192,733
4		Net Operating Revenues	(97,327)	13,516
5	550	Uncollectible Operating Revenues		
6	551	Taxes (p 303)	(1,350)	34
7		Net Operating Income	(98,677)	13,550
8		Non-Operating Income		
9	560	Merchandising and Jobbing Revenue*		
10	561	Rent from Appliances		
11	562	Miscellaneous Rent Income		
12	563	Interest and Dividend Income	565	586
13	564	Inc. from Sink. And Other Res. Funds		
14	565	Amortization of Premium on Bonds (p. 204)		
15	566	Miscellaneous Non-operating Income		
16		Total Non-operating Income	565	586
17		Total Gross Income	(98,112)	14,136
18		Deductions From Gross Income		
19	575	Miscellaneous Rents		
20	576	Interest on Bonds and Coupon Notes		
21	577	Miscellaneous Interest Deductions		
22	578	Amortization of Discount (p 203)		
23	579	Miscellaneous Deductions from Income		
24		Total Deductions from Gross Income	-	-
25		Income Balance Transferred to Profit and Loss	(98,112)	14,136

**Profit and Loss Statement**

Show hereunder the items of the Profit and Loss Account of the respondent, classified in accordance with the Uniform System of Accounts for Water Companies.

Account Number	Item	Debits	Credits
26	Credits		
27	401 Credit Balance at Beginning of Fiscal Period (p 201)		(1,231,250)
28	402 Credit Balance transferred from Income Acct (p301)		(98,112)
29	403 Miscellaneous Credits (note)		
30	Debits		
31	411 Debit Balance at Beginning of Fiscal Period (p 201)		
32	412 Debit Balance transferred from Income Acct (p 301)		
33	413 Surplus applied to Sinking Fund and Other Reserves		

Annual report of East Northfield Water Company

Year Ending December 31, 2018

34	414	Dividend Appropriations of Surplus (p 302)	
35	415	Appropriations of Surplus for Depreciation (p 204)	
36	416	Discn't on Bonds Extins'd through Surplus (p 203)	
37	417	Other Deductions from Surplus (note)	
38	418	Appropriations of Surplus for Construction	
39		Balance Carried Forward to Balance Sheet	
40		Totals	(1,329,362)
41	(Note) Explain below amounts entered as Other Deductions form Surplus or Misecellaneous Credits:		
42			
43			
44			
45			
*In case the Merchandising and Jobbing business shows a loss, the amount should appear in red.			

Page 302

**OPERATING REVENUES**

State the operating revenues of the respondent for the year ended December 31, classified in accordance with the Uniform System of Accounts.

Line No.	Class of Water Operating Revenue (a)	Amount of Revenue For Year (b)	Comparison with Revenue of Previous Year (c)
1	REVENUES FROM SALE OF WATER		
2	501 Metered Sales to General Consumers	199,326	206,249
3	502 Flat-rate Sales to General Consumers		-
4	503 Sales to Other Water Companies		
5	504 Municipal Hydrants		
6	505 Miscellaneous Municipal Revenues		
7	Total Revenues from Water Operations	199,326	206,249
8	MISCELLANEOUS REVENUES		
9	506 Rent from Property Unused in Operation		
10	507 Miscellaneous Operating Revenues		-
11	Total Revenues from Miscellaneous Operation	-	-
12	Total Operating Revenues	199,326	206,249

**DIVIDENDS DECLARED DURING THE YEAR**

Give particulars of dividends on each class of stock during the year, and charged to Profit and Loss. This schedule shall include only dividends that have been declared by the Board of Directors during the fiscal year.

Line No.	Name of Security on which Dividend was Declared (a)	Rate Per Cent		Amount of Capital Stock on which Dividend was Declared (d)	Amount of Dividend (e)	Declared (f)	Payable (g)
		Regular (b)	Extra (c)				
13							
14	None						
15							
21							
22							
23							
24	TOTALS			TOTAL			

**OPERATING EXPENSES**

(For companies having average operating revenues of more than \$15,000.)

State the operating expenses of the respondent for the year ended December 31, classifying them in accordance with the Uniform System of Accounts.

Line No.	Account No.	Name of Operating Expense Account (a)	Amount of Operating Expense For Year (b)	Comparison with Previous Year (c)
1		Source of Water Supply Expenses		
2	601-1	Maintenance of Water Supply Buildings and Fixtures		-
3	601-2	Maintenance of Surface Source of Supply Facilities	-	-
4	601-3	Maintenance of Ground Source of Water Supply		-
5		Total Source of Water Supply Expenses	-	-
6	602	Water Purchased for Resale	-	-
7		Pumping Expenses		
8	603-1	Pumping Labor	-	-
9	603-2	Boiler Fuel	-	-
10	603-3	Water for Steam	-	-
11	603-4	Electric Power Purchased		-
12	603-5	Miscellaneous Pumping Station Supplies and Expenses	-	-
13	604-1	Maintenance of Power Pumping Buildings and Fixtures		-
14	604-2	Maintenance of Pumping Equipment		-
15	604-3	Maintenance of Miscellaneous Pumping Plant Equipment		-
16		Total Pumping Expenses	-	-
17		Purification Expenses		
18	605-1	Purification Labor		-
19	605-2	Purification Supplies and Expenses		-
20	606-1	Maintenance of Purification Buildings and Fixtures	-	-
21	606-2	Maintenance of Purification Equipment		-
22		Total Purification Expenses	-	-
23		Transmission and Distribution Expenses		
24	607	Inspecting Customers' Installations		-
25	608	Miscellaneous Trans and Dist Supplies and Expenses	-	-
26	609-1	Maintenance of Trans and Dist Buildings and Expenses	<b>103,860</b>	<b>31,367</b>
27	609-2	Maintenance of Trans and Dist Mains		-
28	609-3	Maintenance of Storage, Reservoirs, Tanks, and Standpipes	-	-
29	609-4	Maintenance of Services		-
30	609-5	Maintenance of Meters		-
31	609-6	Maintenance of Hydrants		-
32	609-7	Maintenance of Fountains and Troughs		-
33		Total Trans and Dist Expenses	<b>103,860</b>	<b>31,367</b>
34		General and Miscellaneous Expenses		
35	610-1	Salaries of General Officers and Clerks	-	-
36	610-2	General Office Supplies and Expenses	<b>46,936</b>	<b>6,729</b>
37	610-3	Law Expenses - General	<b>61,194</b>	<b>34,746</b>

Annual report of East Northfield Water Company

Year Ending December 31, 2018

38	610-4	Insurance	<b>14,876</b>	<b>13,637</b>
39	610-5	Accidents and Damages	-	-
40	610-6	Store Expenses	-	-
41	610-7	Transportation Expenses	-	-
42	610-8	Inventory Adjustments	-	-
43	610-9	Maintenance of General Structure	<b>27,391</b>	5,199
44	610-10	Depreciation	<b>36,707</b>	<b>7,971</b>
		Amortization	-	-
45	610-11	Miscellaneous General Expenses	<b>5,689</b>	<b>4,271</b>
46		Total General and Miscellaneous Expenses	<b>192,793</b>	<b>72,553</b>
47		Grand Total Operating Expenses	<b>296,653</b>	<b>103,920</b>



-  
**72,493**

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**72,493**

-  
**40,207**  
**26,448**

**1,239**

**22,192**

**28,736**

-

**1,418**

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**120,240**

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**192,733**

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Page 303A

**OPERATING EXPENSES**

(For companies having average operating revenues not exceeding \$15,000)

State the operating expenses of the respondent for the year ended December 31, classified in accordance with the Uniform System of Accounts.

Line No.	Account No.	Name of Operating Expense Account (a)	Amount of Operating Expenses for Year (b)	Comparison with Previous Year (c)
25	601	Maintenance of Water Supply		-
26	602	Water Purchased for Resale		-
27	603	Pumping Labor, Supplies, and Expenses		
28	604	Maintenance of Pumping Plant		
29	605	Purification Labor, Supplies, and Expenses		
30	606	Maintenance of Purification Buildings and Equipment	-	-
31	607	Inspecting Customers' Installations		
32	608	Miscellaneous Trans and Dist Supplies and Expenses		
33	609	Maintenance of Trans and Dist System		
34	610-10	Depreciation		-
35	610-1-11	Miscellaneous General Expenses	-	-
36			-	-
37		<b>Total Operating Expenses</b>		

**TAXES**

Line No.	Kind of Tax	Federal	State	Municipal	Total
48					-
49	<b>Income Tax</b>		<b>1,350</b>		<b>1,350</b>
50					-
51					-
52					-
53					-
54					-
55					-
56					-
57		-	<b>1,350</b>	-	<b>1,350</b>

REAL ESTATE INFORMATION

1. Land owned by the Company.

	Location	Use
A.	East Northfield, MA	Watershed
B.		
C.		
D.		
E.		
F.		
G.		
H.		
I.		
J.		

	Area	When Bought	Cost
A.	385 acres		
B.			
C.			
D.			
E.			
F.			
G.			
H.			
I.			
J.			

2. Buildings owned by Company.

	Location	Use
A.	Louisiana Road, Northfield, MA	Dry Storage
B.	Louisiana Road, Northfield, MA	Contact Chamber
C.	Louisiana Road, Northfield, MA	Dam Gate House
D.		
E.		
F.		
G.		
H.		
I.		
J.		

	Size	Material	When Built	Cost
A.	325 sq ft	Pre Cast Concrete	1985	180,843
B.	2,738 sq ft	Pre Cast Concrete	1994	702,536
C.	120 sq ft	Wood	1934	1,000
F.				
G.				
H.				
I.				
J.				

Note: Cost means the original cost of installation, not book value.

**SUPPLY INFORMATION**

1. Give a full and complete description of the source or sources from which water is obtained. State whether these sources are owned or leased by the company. If they are leased, quote the terms of the leases. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.

**All water is obtained from the Grandin Reservoir. The Reservoir is leased from Northfield Mount Hermon School.**

2. Watersheds owned by the Company.

Location	Area	When Bought	Cost
<b>A. East Northfield, MA</b> B. C. D.	<b>385 Acres</b>		
Total			

Remarks:

**Watershed rights are included in lease agreement.**

3. Give a full and complete description of any water supply rights that are owned by the Company and state when they were bought and what was paid for them.

Cost means the original cost of installation, not the book value.

SUPPLY INFORMATION - Continued

4. Wells

Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A.					
B.					
C.					
D.					
E.					
F.					

5. Give a full and complete description of the wells:

6. Reservoirs

Location	Area at Surface When Full	Full Capacity In Gallons	When Built	Cost
A. East Northfield, MA	7.5 acres	28 million	1935	
B.				
C.				
D.				
E.				
F.				

7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottoms were cleaned before being put into service; to what extent their slopes and bottoms are paved; what provisions have been made for raising the water level and increasing the capacity; and give the character of construction of any dams:

**Single concrete core dam**

Note: Cost means the original cost of installation, not the book value.

**PUMPING INFORMATION**

1. Give a general description of the method employed for delivering the water to the consumers, stating whether gravity is utilized or not; whether the company owns a pumping station or not; and giving all other pertinent information:

**The entire system is gravity fed.**

2. BOILERS        **N/A**

3. CHIMNEYS     **N/A**

4. PUMPING ENGINES, STEAM-ACTUATED        **N/A**

**5. PUMPS, DRIVEN BY CONNECTED POWER**

Location		Type	Name of Builder	When Installed	Cost	
A.	N/A					
B.						
C.						
D.						
E.						
F.						
G.						
H.						
I.						
J.						
Number of Cyls.		Single or Double Acting	Rated Strokes Per Minute	Length of Stroke	Diameter of Pistons or Plungers	How Driven
A.						
B.						
C.						
D.						
E.						
F.						
G.						
H.						
I.						
J.						

Note: Cost means the original cost of installation, not the book value.

PUMPING INFORMATION - Continued

6. Gas producers [This Schedule is not presently used]

7. Internal combustion engines. **N/A**

	Location		Name of Builder	When Installed	Type of Drive	Cost	
	A. B. C.						
	For Gas, Gasoline, or Oil	Number of Cyls.	Single or Double Acting	Dimensions of Cylinders		2 or 4 Stroke Cycle	Rated H.P.
				Diameter	Stroke		
A. B. C.							

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITCHES, ETC.

	Location	Name of Builder	When Installed	Cost
	A. B. C. D. E. F. G. H.			
	A.C. or D.C.; If A.C., give Phase	Volts	Type of Drive	Rated H.P.
A. B. C. D. E. F. G. H.				

Total Horsepower

Note: Cost means the original cost of installation, not the book value.



Page 405

PUMPING INFORMATION - Continued

9. WATER WHEELS AND TURBINES

	Location		Name of Builder		When Installed	Cost
A.						
B.						
C.						
D.						
	Type of Machine	Diameter of Runner	Working Head	Speed	Type of Drive	Rated H.P.
A.						
B.						
C.						
D.						

10. Give a full and complete description of any water power rights that are owned by the Company, and say when they were bought and what was paid for them:

N/A

Note: Cost means the original cost of installation, not the book value.

PUMPING INFORMATION - Continued

11. Station Log

Year and Month	Kwhrs. Used	Pounds of Coal Burned	Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January			1,388,500			
February			1,444,600			
March			1,286,600			
April			1,435,400			
May			1,687,500			
June			1,907,000			
July			1,899,500			
August			1,944,300			
September			2,014,600			
October			1,923,400			
November			2,057,300			
December			1,680,800			
<b>TOTALS</b>			<b>20,669,500</b>	-		

12. Based upon the displacement of \_\_\_\_\_ gallons per revolution with \_\_\_\_\_ percent allowance for slip \_\_\_\_\_

13. Average gallons pumped per day **56,628.77**

14. Maximum gallons pumped in a day **139,100**

15. Date of same **11/17/2018**

16. Range of pressure in main 100 lbs. to 145 lbs.

17. Average pressure in mains 125 lbs. per sq. in. \_\_\_\_\_

PUMPING INFORMATION - Concluded

18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price of gas per thousand cubic feet		
22. Average price of gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered	<b>1.37</b>	<b>PROPANE</b>
24. Average price of electric power per Kwhr	<b>19 cents</b>	
25. Wood consumed during the year	Cords	
26. Gas consumed during the year	M. Cubic Feet	
27. Gasoline consumed during the year	Gals	
28. Fuel oil consumed during the year	<b>1306 Gals</b>	<b>PROPANE</b>
29. Electric power used during the year	<b>19,003 K.W. Hrs.</b>	

DISTRIBUTION INFORMATION

1. Mains.

Nominal Diameter, Inches	Kind of Pipe*	Weight per Foot**	Lengths in Feet				
			In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
10"	Cement - Asbestos		5,519				5,519
8"			4,580				4,580
6"			2,150				2,150
8"	Cast-iron		4,912				4,912
6"			6,389				6,389
4"			9,396				9,396
6"	Galvanized Steel		369				369
2"			1,557				1,557
4"	C900 PVC		200				200
			Totals				

- 2. Cost of repairs per mile of pipe, including valves
- 3. Number of leaks in mains, during the year
- 4. Number of leaks per mile
- 5. Length of mains less than 4 inches in diameter

\* if laid on surface of ground, mark \$.  
 \*\* if cast iron, give weight per lineal foot.

Page 410

DISTRIBUTION INFORMATION - Continued

6. Water towers or stand pipes

	Location		Land		
			Area	When Bought	Cost
A.	<b>East Northfield</b>				
B.					
C.					
D.					
	Inside Diameter	Capacity In Gallons	When Built		Cost
A.	<b>40' x 60'</b>	<b>212,000</b>	<b>1995</b>		<b>702,000</b>
B.					
C.					
D.					

7. Services

Nominal Diameter In Inches	Kind of Pipe	Number Installed and In Use at Beginning of Year	Taken Up Since	Laid Since	Installed and In Use at Close of Year
		<b>287</b>			<b>287</b>
<b>Totals</b>					

8. Average length of service pipe

9. Average cost of service laid during the year, \$

10. Percentage of services that are metered,

11. Percentage in income that is metered, **100%**

12. Leaks in service during the year,

13. Are service pipes paid for by consumers, in whole or in part and to what extent: **Consumers**

Note: Cost means the original cost of construction, not the book value.

Page 411

DISTRIBUTION INFORMATION - Continued

14. Gates and valves

Nominal Diameter, Inches	Kind of Valve	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
12	Gate	3			3
10	Gate	2			2
8	Gate	6			6
6	Gate	17			17
4	Gate	3			3
			TOTALS	31	

The above list should include all valves that are installed in the mains, whether they are gate valves, blow-offs, check valves or otherwise.

DISTRIBUTION INFORMATION - Continued

14. Hydrants, Public

Nominal Diameter, Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
6"	3	27			27
Totals		27			27

16. Were all of the above hydrants purchased and installed at the expense of the company?

17. If not, under what arrangements were they purchased and installed?

18. Hydrants, Private

Nominal Diameter, Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
6"	3	13			13
Totals		13			13

19. Were the above hydrants purchased and installed at the expense of the com

**No**

20. If not, under what arrangements were they purchased and installed?

**Northfield Mount Hermon School**

DISTRIBUTION INFORMATION - Continued

21. Meters owned by company\*

Size, Inches	Number at Beginning of Year		Bought Since	Condemned Since and Removed	Number at Close of Year	
	In Use	On Hand**			In Use	On Hand**
5/8"	255	0	0	0	255	0
1"	14				14	
1 1/2"	6				6	
2"	11				11	
3"	1				1	
	<b>Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>287</b>	

22. Has the plant been debited with the first cost of installing the meters in use at close of year, above stated?

23. If so, was the cost the actual cost or some assumed or average cost?

24. Are any of these meters paid for by consumers, and to what extent?

**The cost of the meters are included in the water service charge.**

\* This tabulation should include only those meters that are for use in measuring the supply to consumers.

\*\* These meters should include those that are fit for use only.



Page 414

DISTRIBUTION INFORMATION - Concluded

25. Meters owned by company as of December 31

Maker	Type	Size								
		1/2	5/8	3/4	1	1 1/2	2	3	4	6
<b>Badger</b>			<b>255</b>		<b>14</b>	<b>6</b>	<b>11</b>	<b>1</b>		
	<b>Totals</b>		<b>255</b>		<b>14</b>	<b>6</b>	<b>11</b>	<b>1</b>		

**CONSUMPTION INFORMATION**

1. Estimated total population of territory covered by franchise		<b>726</b>
2. Estimated population reached by the distributing system	<b>584 winter</b>	
	<b>726 summer</b>	
3. Estimated population actually supplied		<b>726</b>
4. Total consumption during the year	<b>11,769,672</b> gals.	
5. Average daily consumption	<b>32,245.68</b> gals.	
6. Day on which the greatest amount was pumped	<b>11/17/2018</b>	
7. Gallons pumped on above day	<b>139,100</b>	
8. Week during which greatest amount was pumped	<b>11/12/2018 - 11/18/2018</b>	
9. Gallons pumped during above week	<b>587,300</b>	
10. Gallons per day per service		
11. Consumption metered	<b>11,769,672</b> gals.	
12. Consumption metered,	<b>100%</b> percent of total consumption	

**13. CUSTOMERS**

Number Being Supplied at Beginning of Year	Discontinued Since	Connected Since	Number Being Supplied at Close of Year

Name of City, Town, or District	Number of Customers as of December 31
<b>East Northfield, MA</b>	<b>287</b>

Page 416

## CONSUMPTION INFORMATION - Concluded

Attach to the Return a printed copy of all schedules of rates and of the rules and regulations

## 14. Rates in Effect December 31, 2018

<b>Volumetric Rates:</b>	<b>Per 100 cubic feet</b>
Year-round customers	\$5.64
Seasonal Ridge customers (total volume of consumption divided by # customers)	\$6.48
Seasonal (non-ridge) customers	\$14.90

**Customer Charges - Semi-annual based on size of meter:**

5/8 - \$87.50; 1 - \$215; 1 1/2 - \$415; 2 - \$690; 3 - \$1,253

**Ridge Customers - Annual charge of \$175**

Per faucet, per year

Per hose connection, per year

Per bath tub, per year

Per shower bath, per year

Per foot tub, per year

Per wash tub, per year

Per urinal, per year

Per water closet, per year

Per sink, per year

Per bowl, per year

Per private hydrant, per year

For sprinkler systems

For water motors

Per drinking fountain, per year

Per public hydrant, per year

For watering troughs

Minimum charge

Give any contact rates that are in force and state what discounts are allowed for prompt payment and what fines are charged for delayed payment

**No discounts are given and no fines are assessed.**

Are payments required in advance?

**No**

When are meters read and bills rendered?

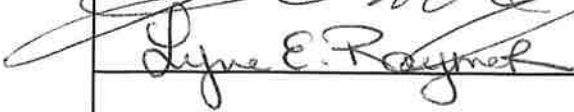
**Meters read April and October for May and November billings**

417

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY



\_\_\_\_\_  
*President*



\_\_\_\_\_  
*Treasurer*



\_\_\_\_\_  
*Directors*

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS  
MUST BE PROPERLY SWORN TO

\_\_\_\_\_  
SS.

\_\_\_\_\_, 20\_\_

Then personally appeared

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

*Notary Public or  
Justice of the Peace*