The Commonwealth of Massachusetts

RETURN

OF

East Northfield Water Company

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31, 2017

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

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GENERAL INFORMATION

PRINCIPAL AND SALARIED OFFICERS*

Titles	Names	Addresses	Annual Salaries

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.

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. Captital 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 **$ 29,107**

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**

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	207,901	114 - 119 General Equipment (p 202)	209,297	1,396
4		201 Unfinished Construction (p 202)		-
5		202 Miscellaneous Physical Property (p 203)		-
6		203 Other Investments (p 203)		-
7	1,409,753	Total Investments	1,411,149	1,396
8		Current Assets		
9	235,263	204 Cash	233,050	(2,213)
10	-	205 Special Deposits	-	-
11	-	206 Notes Receivable	-	-
12	112,417	207 Accounts Receivable	122,686	10,269
13	-	208 Interest and Dividends Receivable	-	-
14		209 Materials and Supplies	-	-
15	-	210 Other Current Assets	-	-
16	347,680	Total Current Assets	355,736	8,056
17		Reserve Funds		
18	-	211 Sinking Funds	-	-
19	-	212 Insurance and Other Funds	-	-
20	-	Total Reserve Funds	-	-
21		Prepaid Accounts		
22	-	213 Prepaid Insurance	13,624	13,624
23	-	214 Prepaid Interest	-	-
24		215 Other Prepayments		-
25	-	Total Prepaid Accounts	13,624	13,624
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	1,757,433	Grand Total	1,780,509	23,076

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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	**850,552**	307 Notes Payable (p 205)	**842,460**	**(8,092)**
17		308 Accounts Payable		-
18		309 Customers' Deposits		-
19		310 Matured Interest Unpaid		-
20		311 Dividends Declared		-
21		312 Other Current Liabilities		-
22	**850,552**	Total Current Liabilities	**842,460**	**(8,092)**
23		Accrued Liabilities		
24	**1,247**	313 Tax Liability	**1,247**	-
25		314 Interest Accrued		-
26		315 Other Accrued Liabilities		-
27	**1,247**	Total Accrued Liabilities	**1,247**	-
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	**807,889**	319 Depreciation Reserve (p 206)	**836,622**	**28,733**
35		320 Other Reserves		-
36	**807,889**	Total Reserves	**836,622**	**28,733**
37		Appropriated Surplus		
38		321 Sinking Fund Reserves		
39		323 Contributions for Extensions		-
40		324 Surplus Invested in Plant		-
41	-	Total Appropriated Surplus	-	-

42	**(1,245,386)**	400 Profit and Loss Balance (p 301)	**(1,226,968)**	**18,418**
43	**(1,245,386)**	Total Corporate Surplus	**(1,226,968)**	**18,418**
44				
45	**430,802**	Grand Total	**469,861**	**39,059**

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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 "Uninished Construction" is transfered 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	**207,901**	**1,396**			**209,297**
27	Total General Equip	**207,901**	**1,396**	-	-	**209,297**
28	Unfinished Construction	-				-
29	Total Cost of All Property	**1,409,753**	**1,396**	-	-	**1,411,149**
30	Assessed Value of Real Estate					
31	Assessed Value of Other Property					
32	Total Assessed Value	-				-

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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	$ -	$ -	$ -	$ -

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CAPITAL STOCK

Give particulars of the various issues of capital stock of the respondent, as called for in the following schedule.
In stating the amount of Capital Stock authorized in Column (d) show only the amount authorized by the regulatory body.

Line No.	Description (a)	Number of Shares Authorized (b)	Par Value of One Share (c)	Amuont of Capital Stock Authorized (d)	Amount Actually Outstanding at End of Year (e)	Total Premium at End of Year (f)
1	Capital Stock: Common,	250	$ 100.00	$ 25,000	$ 16,500	
2	Preferred,					
3	Premium,					
4	Capital in excess of par				1,308,613	
5	TOTALS			$ 25,000		$ -

BONDS, COUPON, AND LONG TERM NOTES.

Give particulars of various issues of bonds, coupon, and long term notes as called for in the following schedule, giving the names of any underlying issues that may have been assumed by the respondent. The total of Col (b) should be consistent with return made on page 301, Income Schedule (line 20).

Line No.	Name and Character of Obligation (a)	Date of Issue (b)	Date of Maturity (c)	Par Value Authorized (d)	Par Value Actually Outstanding at End of Year (e)	Interest Provisions		Interest Accrued During Year Charged to Income (h)	Interest Paid During Year (i)
						Rate Per Cent. (f)	Dates Due (g)		
6	Mortgage Bonds:								
7									
8									
9									
10	Total Bonds,								
11	Coupon and Long Term Notes:								
12									
13									
14									
15									
16									
17	Total Coupon and Long Term Notes			-		-			-
18	GRAND TOTAL							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**					**842,460**
2						
3						
4						
5						
6						
7						
8				**TOTAL**		**842,460**

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	

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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	$ 807,889
2	Credits to Depreciation Reserve during year:	
3	Acct. 610-10 Depreciation	28,733
4	Other Accounts	
5		
6	TOTAL CREDITS DURING YEAR	$ 836,622
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	$ 836,622

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	**Hydrants & Services**	**50 years**
15	**Transmissions & distribution mains**	**50 years**
16	**Chemical treatment plant structures**	**35 years**
17	**Meters**	**20 years**
18	**General Equipment**	**20 years**
19	**Chemical treatment plant equipment**	**12 years**

Tax Depreciation $ 37,169

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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)	**210,560**	**210,451**
3	600	Operating Expenses (p 302-303)	**192,465**	**342,570**
4		Net Operating Revenues	**18,095**	**(132,119)**
5	550	Uncollectible Operating Revenues		
6	551	Taxes (p 303)	**(263)**	**(2,200)**
7		Net Operating Income	**17,832**	**(134,319)**
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	**586**	**419**
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	**586**	**419**
17		Total Gross Income	**18,418**	**(133,900)**
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	**18,418**	**(133,900)**

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)		**(1,245,386)**
28	402	Credit Balance transferred from Income Acct (p301)		
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)	**18,418**	
33	413	Surplus applied to Sinking Fund and Other Reserves		

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		**(1,226,968)**

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.

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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	**210,560**	**210,451**
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	**210,560**	**210,451**
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	**210,560**	**210,451** -

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)	Date	
		Regular (b)	Extra (c)			Declared (f)	Payable (g)
13							
14	**None**						
15							
21							
22							
23							
24	TOTALS			TOTAL			

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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 321, 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 Equipm		-
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	**72,496**	**10,954**
27	609-2	Maintenance of Trans and Dist Mains		-
28	609-3	Maintenance of Storage, Reservoirs, Tanks, and Stand	-	-
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	**72,496**	**10,954**
34		General and Miscellaneous Expenses		
35	610-1	Salaries of General Officers and Clerks	-	-
36	610-2	General Office Supplies and Expenses	**40,206**	**(2,878)**
37	610-3	Law Expenses - General	**26,182**	**(133,006)**

38	610-4	Insurance	**1,238**	1,238
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	**22,192**	591
44	610-10	Depreciation	**28,733**	**(14,635)**
		Amortization	-	**(12,720)**
45	610-11	Miscellaneous General Expenses	**1,418**	**351**
46		Total General and Miscellaneous Expenses	**119,969**	**(161,059)**
47		Grand Total Operating Expenses	**192,465**	**(150,105)**

-
61,542

61,542

-
43,084
159,188

21,601
43,368
12,720
1,067
281,028
342,570

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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		Total Operating Expenses		

TAXES

Line No.	Kind of Tax	Federal	State	Municipal	Total
48					-
49	**Income Tax**		**263**		**263**
50					-
51					-
52					-
53					-
54					-
55					-
56					-
57		-	**263**	-	**263**

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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.		
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.				
F.				
G.				
H.				
I.				
J.				

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

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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
A. East Northfield, MA	**385 Acres**		
B.			
C.			
D.			
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.

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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.

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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.					
B.					
C.	N/A				
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	Displacement Per 24 Hours
A.							
B.							
C.							
D.							
E.							
F.							
G.							
H.							
I.							
J.							

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

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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.

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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.

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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			**1,470,500**			
February			**1,422,300**			
March			**1,210,100**			
April			**1,327,500**			
May			**1,556,300**			
June			**1,588,200**			
July			**1,713,400**			
August			**1,546,700**			
September			**1,468,000**			
October			**1,617,800**			
November			**1,546,200**			
December			**1,553,800**			
TOTALS			18,020,800	-		

12. Based upon the displacement of _____ gallons per revolution with _____ percent allownace for slip _____

13. Average gallons pumped per day **49,372.05**

14. Maximum gallons pumped in a day **127,900**

15. Date of same **10/9/2017**

16. Range of pressure in main _____100_____ lbs. to ___145_____ lbs.

17. Average pressure in mains _____123____lbs. per sq. in. _____

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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	**1.905**		**PROPANE**
24. Average price of electric power per Kwhr	**15**	cents	
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	**1338**	Gals	**PROPANE**
29. Electric power used during the year	**17,530**	K.W. Hrs.	

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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.

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DISTRIBUTION INFORMATION - Continued

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A.	**East Northfield**			
B.				
C.				
D.				

	Inside Diameter	Capacity In Gallons	When Built	Cost
A.	**40' x 60'**	**212,000**	**1995**	**702,000**
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
		287			**287**
Totals					

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.

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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.

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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 purchsaed and installed at the expense of the com **No**
20. If not, under what arrangements were they purchased and installed?

Northfield Mount Hermon School

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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	
	Totals	**0**	**0**	**0**	**287**	

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.

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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
Badger			**255**		**14**	**6**	**11**	**1**		
	Totals		**255**		**14**	**6**	**11**	**1**		

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CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise		**726**
2. Estimated population reached by the distributing system	**584 winter** **726 summer**	
3. Estimated population actually supplied		**726**
4. Total consumption during the year	**11,034,956** gals.	
5. Average daily consumption	**30,232.76** gals.	
6. Day on which the greatest amount was pumped	**10/9/2017**	
7. Gallons pumped on above day	**127,900**	
8. Week during which greatest amount was pumped	**10/8/2017 - 10/14/2017**	
9. Gallons pumped during above week	**419,400**	
10. Gallons per day per service		
11. Consumption metered	**11,034,956** gals.	
12. Consumption metered,	**100%** 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
East Northfield, MA	**287**

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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, 2017

Volumetric Rates:	**Per 100 cubic feet**
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?

Meter read November for billing period April

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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