

The Commonwealth of Massachusetts

2017

RETURN

OF THE

Housatonic Water Works

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, **James J. Mercer**

Official title **Treasurer**

Office address, **80 Maple Avenue - Suite 1**
Great Barrington MA *zip code* **01230**

GENERAL INFORMATION

- | | | | |
|--|--|---------------------------|---------------|
| 1. Full corporate title company, | Housatonic Water Works Company | Telephone No. | 413-528-1780 |
| 2. Location of principal business office, | 80 Maple Avenue, Ste 1, Great Barrington, MA | | |
| 3. Date of organization, | June 7, 1898 | 4. Date of incorporation, | March 8, 1898 |
| 5. Whether incorporated under general or special law, | Special Law | | |
| 6. If under special law, give chapter and year of act, | 1897 - chapter 229 | | |
| 7. Give chapter and year of any subsequent special legislation affecting the Company | N/A | | |

8. Territory covered by charter rights, Village of Housatonic in the Town of Great Barrington and vicinity

9. Capital stock authorized by charter, \$ \$40,000

10. Capital stock issued prior to August 1, 1914, \$ N/A

11. Capital stock issued with approval of Board of Gas and Electric Light Commissioners or the Department of Public Utilities since August 1, 1914, N/A

shares of par value of \$ each \$

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. N/A

13. Management Fees and Expenses during the Year none

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, etc. and show the total amount paid to each for the year

- | | | | |
|---------------------------------|--------------------|----|--------|
| 1. Smith, Watson & Company, LLP | Accounting | \$ | 6,908 |
| 2. Martin & Olivera | Legal | \$ | 20,165 |
| 3. Guastella Associates LLC | Legal & Accounting | \$ | 1,600 |
| 4. Lenard Engineering | Engineering | \$ | 18,815 |

14. Date when Company first began to distribute and sell water

15. Total number of stockholders, 4

16. Number of stockholders resident in Massachusetts, 3

17. Amount of stock held in Massachusetts, number of shares, N/A amount, \$

Beginning Balance	Assets	Ending Balance	Net Change During Year
	Investments		
2,145,793	101 - 113 Plant Investment (p 202)	2,596,663	450,870
203,695	114 - 119 General Equipment (p 202)	196,812	(6,883)
-	201 Unfinished Construction (p 202)	108,763	108,763
	202 Miscellaneous Physical Property (p 203)		
67,039	203 Other Investments (p 203)	62,952	(4,087)
2,416,527	Total Investments	2,965,190	548,663
	Current Assets		
-	204 Cash	102,431	102,431
	205 Special Deposits		
499,117	206 Notes Receivable	679,205	180,088
103,695	207 Accounts Receivable	124,703	21,008
	208 Interest and Dividends Receivable		
22,710	209 Materials and Supplies	70,888	48,178
4,988	210 Other Current Assets	6,020	1,032
630,510	Total Current Assets	983,247	352,737
	Reserve Funds		
	211 Sinking Funds		
	212 Insurance and Other Funds		
-	Total Reserve Funds	-	-
	Prepaid Accounts		
4,677	213 Prepaid Insurance	1,936	(2,741)
	214 Prepaid Interest		
1,740	215 Other Prepayments	2,917	1,177
6,417	Total Prepaid Accounts	4,853	(1,564)
	Unadjusted Debits		
3,474	216 Unamortized Debt Discount Exp (p 203)	19,156	15,682
	217 Property Abandoned		
176,420	218 Other Unadjusted Debits (p 203)	168,989	(7,431)
179,894	Total Unadjusted Debits	188,145	8,251
3,233,348	Grand Total	4,141,435	908,087

Beginning Balance	Liabilities	Ending Balance	Net Change During Year
	Capital Stock		
40,000	301 Common Stock (p 204)	40,000	-
	302 Preferred Stock (p 204)		
	303 Employees' Stock (p 204)		
40,000	Total Capital Stock	40,000	-
	304 Premium on Capital Stock		
	Bonds, Coupon and Long Term Notes		
	305 Bonds (p 204)		
517,621	306 Coupon and Long Term Notes (p 204)	1,158,559	640,938
517,621	Total Bonds, Coupons and Long Term Notes	1,158,559	640,938
	Current Liabilities		
	307 Notes Payable (p 205)		
129,272	308 Accounts Payable	76,927	(52,345)
	309 Customers' Deposits		
	310 Matured Interest Unpaid		
	311 Dividends Declared		
	312 Other Current Liabilities		
129,272	Total Current Liabilities	76,927	(52,345)
	Accrued Liabilities		
12,417	313 Tax Liability	-	(12,417)
3,942	314 Interest Accrued	5,191	1,249
1,238,832	315 Other Accrued Liabilities	1,437,865	199,033
1,255,191	Total Accrued Liabilities	1,443,056	187,865
	Unadjusted Credits		
	316 Premium on Bonds (p 205)		-
253,120	317 Other Unadjusted Credits (p 205)	373,422	120,302
253,120	Total Unadjusted Debits	373,422	120,302
	Reserves		
	318 Insurance and Casualty Reserves		
1,174,871	319 Depreciation Reserve (p 206)	1,077,150	(97,721)
	320 Other Reserves		
1,174,871	Total Reserves	1,077,150	(97,721)
	Appropriated Surplus		
	321 Sinking Fund Reserves		
97,630	323 Contributions for Extensions	202,876	105,246
	324 Surplus Invested in Plant		
97,630	Total Appropriated Surplus	202,876	105,246
(234,357)	400 Profit and Loss Balance (p 301)	(230,555)	3,802
(136,727)	Total Corporate Surplus	(27,679)	109,048
3,233,348	Grand Total	4,141,435	908,087

Name of Account	Beginning Balance	Additions	Retirements	Adjustments	Ending Balance
Intangible Property					
Organization					
Misc Intangible Invest					
Total Intangible Property	-	-	-	-	-
Tangible Property					
Land	3,757				3,757
Structures	1,089,694		500		1,089,194
Pumping Plant Equipment	67,184				67,184
Misc Pumping Plant Equip					
Purification System	152,869		16,136		152,869
Trans'n and Dist'n Mains	605,030	306,339			895,233
Services	34,200				34,200
Consumers' Meters	102,670	159,538	69,724		192,484
Consumers' Meter Installation	49,157	97,640	31,893		114,904
Hydrants	39,232	5,606			44,838
Fire Cist'ns, Basins, Fount'ns					
Water Rights	2,000				2,000
Miscellaneous Expenditures					
Total Plant Investment	2,145,793	569,123	118,253	-	2,596,663
General Equipment					
Office Equipment	42,316	1,800	19,089		25,027
Shop Equipment					
Stores Equipment					
Transportation Equipment	75,262	33,681	18,949		89,994
Laboratory Equipment					
Miscellaneous Equipment	86,117		4,326		81,791
Total General Equip	203,695	35,481	42,364	-	196,812
Unfinished Construction		108,763			108,763
Total Cost of All Property	2,349,488	713,367	160,617	-	2,902,238
Assessed Value of Real Estate					440,000
Assessed Value of Other Property					830,000
Total Assessed Value					1,270,000

	<u>Additions</u>	<u>Retirements</u>	<u>Adjustments</u>
<u>Structures</u>			
Office Trailer		500	
<u>Trans'n and Dist'n Mains</u>			
T&D Mains - Wyantenuck St	48,253	15,200	
T&D Mains - Route 183 Division St	104,202	936	
T&D Mains - Route 183 Bridge (CIAC)	105,246		
T&D Mains - Route 183 Bridge (add'l)	8,420		
T&D Mains - North Street	25,253		
T&D Mains - Park Street	14,965		
<u>Consumers' Meters</u>			
598 Meters Replaced	159,538	69,724	
<u>Consumers' Meter Installation</u>			
598 Meters Replaced	97,640	31,893	
<u>Hydrants</u>			
2 Hydrants	5,606		
<u>Office Equipment</u>			
Software - Meters	1,800		
Various Office Equipment		19,089	
<u>Transportation Equipment</u>			
2016 Ford F150	33,680		
2008 Ford F150		18,950	
<u>Miscellaneous Equipment</u>			
Various Miscellaneous Equipment		4,326	
<u>Unfinished Construction</u>			
Corrosion Control Project	11,373		
T&D Mains - Long Pond Rd	97,390		
	<u>713,366</u>	<u>160,618</u>	<u>-</u>

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 AT END OF YEAR.	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		Amount		
6	CoBank Participation Certificate	\$ 62,952	\$ 5,230		\$ 5,230
7					
8					
9				TOTAL	\$ 5,230
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. Entries in Col. (d) should be consistent with the returns made on page 301, Schedules of Income and Profit and Loss.					
	NAME OF SECURITY	Unexinguished Discount at Beg. Of Year	Discount on Bonds Issued During Year	Discount Written Off During Year	Unexinguished Discount at Close of Year
10	Mortgage Costs - CoBank 1996	\$ 3,474	\$ -	\$ 695	\$ 2,779
11	Mortgage Costs - CoBank 2017		16,786	409	16,377
12					
13					
14					
15					
	Totals	\$ 3,474	\$ 16,786	\$ 1,104	\$ 19,156
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.					
	DESCRIPTION AND CHARACTER OF UNADJUSTED DEBITS	Balance at Beginning of Year (b)	Amount Added During Year (c)	Amount written off During Year (d)	Balance at Close of Year (e)
16	Rate Case Epense Phase I	\$ 139,223	\$ -	\$ 17,773	\$ 121,450
17	Rate Case Expense Phase II	-	8,214	-	8,214
18	Regulator Assets Amort CIAC	37,197	2,128		39,325
19					
20					
21					
	Totals	\$ 176,420	\$ 10,342	\$ 17,773	\$ 168,989

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 Col. (d) show only the amount authorized by the regulatory body.

Line. No.	DESCRIPTION (a)	Number of Shares Authorized (b)	Per Value of One Share (c)	Amount of Capital Stock Authorized (d)	Amount Actual Outstanding at End of Year (e)	Total Premium at End of Year (f)
1	Capital Stock: Common,	400	\$ 100	\$ 40,000	\$ 40,000	
2	Preferred,					
3	Premium,					
4	Treasury Stock					
5	TOTALS			\$ 40,000	\$ 40,000	\$ -

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			
						Rate per Cent (f)	Dates Due (g)	Interest Accrued During Year, Charged to Income (h)	Interest Paid During Year (i)
6	Mortgage Bonds:								
7									
8									
9									
10	Total Bonds,								
11	Coupon and Long Term Notes:								
12	CoBank Infrastructure	12/23/1996	12/20/2021	1,340,000	401,261	various		41,709	42,349
13	CIT Financing LLC	8/11/2014	8/11/2019	5,828	2,189	7.50%		213	213
14	Ford Credit Financing	7/28/2016	7/28/2021	33,324	25,981	6.39%		1,798	1,695
15	Ford Credit Financing	3/31/2017	3/31/2022	33,680	29,128	0.00%		-	-
16	CoBank Infrastructure	7/27/2017	1/20/2038	700,000	700,000	5.45%		6,111	4,324
17	Total Coupon & Long Term Notes			2,112,832	1,158,559			49,831	48,581
18	GRAND TOTAL						Totals	49,831	48,581

SUNDRY CURRENT LIABILITIES						
Line No.	NOTES PAYABLE					
	Name of Creditor (a)	Date of Issue (b)	Date of Maturity (c)	How Secured (d)	Rate of Interest (e)	Amount (f)
1						\$
2						
3						
4						
5						
6						
7						
8				TOTAL		

PREMIUM ON BONDS					
Give an analysis of the respondent's accounts covering premium on bonds or other evidences of indebtedness. Entries in Col (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)	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 Col. (a) and indicate the character, in Col. (b) of the several subaccounts which 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)
13	Deferred Corporate Taxes	
14	Unearned Income	
15	Amortized CIAC	
16		
17		
18		TOTAL

Amount (c)
 \$ 326,719
 7,378
 39,325
 \$ 373,422

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.

a.	Amount b.
Balance at beginning of year	\$ 1,174,871
Credits to Depreciation Reserve during year:	
Acct 610-10 Depreciation	61,783
Other accounts (Specify)	
Total Credits During Year	61,783
Net charges for Plant Retired:	
Book Cost of Plant Retired	160,617
Cost of Removal	-
Salvage (Credit) - unrecovered book cost	(1,113)
Total charges during year	159,504
Balance December 31,	1,077,150

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.

Plant and equipment depreciated at rate of 2%.

Office and shop equipment depreciated at rate of 5 - 20%.

Meters depreciated at rate of 5%.

Depreciation taken for federal income tax purposes = \$303,447

Amortization of Contributions at 2%	2,128
Depreciation included in expense	61,783

Total of Depreciation and Amortization of Plant in Service	<u>63,911</u>
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Account Number	Item	Amount	Net Change
	Operating Income		
500	Operating Revenues (p 302)	639,129	83,523
600	Operating Expenses (p 302-303)	458,742	(72,928)
	Net Operating Revenues	180,387	156,451
550	Uncollectible Operating Revenues	-	-
551	Taxes (p 303a)	141,131	84,154
	Net Operating Income	39,256	72,297
	Non-Operating Income		
560	Mdse. And Jobbing Revenue		
561	Rent from Appliances		
562	Miscellaneous Rent Income		
563	Interest and Dividend Income	6,365	3,666
564	Inc. from Sink. And Other Res. Funds		
565	Amortization of Premium on Bonds		
566	Miscellaneous Non-operating Income	9,116	3,172
	Total Non-operating Income	15,481	6,838
	Total Gross Income	54,737	79,135
	Deductions From Gross Income		
575	Miscellaneous Rents		
576	Interest on Bonds and Coupon Notes	49,831	(628)
577	Miscellaneous Interest Deductions	-	-
578	Amortization of Discount (p 203)	1,104	409
579	Miscellaneous Deductions from Income	-	-
	Total Deductions from Gross Income	50,935	(219)
	Income Balance Transferred to Profit and Loss	3,802	79,354

Profit and Loss Statement

Account Number	Item	Debits	Credits
	Credits		
401	Credit Balance at Beg of Fiscal Period (p 201)		(234,357)
402	Credit Balance transferred from Income Acct (p301)		
403	Miscellaneous Credits (note)		
	Debits		
411	Debit Balance at Beg of Fiscal Period (p 201)		
412	Debit Balance transferred from Income Acct (p 301)	(3,802)	
413	Surplus applied to Sinking Fund and Other Reserves		
414	Dividend Appropriations of Surplus (p 302)		
415	Appropriations of Surplus for Depreciation (p 204)		
416	Discn't on Bonds (p 203)		
417	Other Deductions from Surplus (note)		
418	Appropriations of Surplus for Construction		
	Balance Carried Forward to Balance Sheet	(230,555)	
	Totals	(234,357)	(234,357)

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

Acct No	CLASS OF WATER OPERATING REVENUE a.	Amt of Rev for Year b.	Net Change c.
	Revenues From Sale of Water		
501	Metered Sales to General consumers	\$ 552,029	\$ 70,854
502	Flat-rate Sales to General Consumers	42,458	5,997
503	Sales to Other Water Companies		
504	Municipal Hydrants	44,642	6,672
505	Miscellaneous municipal Revenues		
	Total Revenues from Water Operations	639,129	83,523
	Miscellaneous Revenues		
506	Rent from Property used in Operations		
507	Miscellaneous Operating Revenues	-	-
	Total Revenues from Miscellaneous Operation	-	-
	Total Operating Revenues	639,129	83,523

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.

Name of Security on which dividend was declared	Rate per Cent		Amount of Capital Stock on which dividend was declared.	Amount of Dividend	Date	
	Regular	Extra			declared	payable

Account Number	Name of Expense Account	Amount	Net Change
	Source of Water Supply Expenses		
601-1	Maintenance of Water Supply Bldgs & Fixtures	1,125	(11,037)
601-2	Maintenance of Surface Source of Supply Facilities	1,700	(1,550)
601-3	Maintenance of Ground Source of Water Supply		
	Total Source of Water Supply Expenses	2,825	(12,587)
602	Water Purchased for Resale		
	Pumping Expenses		
603-1	Pumping Labor	17,231	501
603-2	Boiler Fuel		
603-3	Water for Steam		
603-4	Electric Power Purchased	14,038	2,542
603-5	Misc Pumping Station Supplies and Exps	-	-
604-1	Maint of Power Pumping Bldg & Fixtures		
604-2	Maint of Pumping Equipment	632	(9,358)
604-3	Maint of Misc Pumping Plant Equipment		
	Total Pumping Expenses	31,901	(6,315)
	Purification Expenses		
605-1	Purification Labor	17,231	501
605-2	Purification Supplies and Expenses	27,610	(6,885)
606-1	Maintenance of Purification Bldgs & Fixtures	7,125	1,878
606-2	Maintenance of Purification Equipment		
	Total Purification Expenses	51,966	(4,506)
	Transmission and Distribution Expenses		
607	Inspecting Customers' Installations		
608	Misc Trans and Dist Supplies and Expenses		
609-1	Maint of Trans and Dist Buildings & Expenses		
609-2	Maint of Trans and Dist Mains	1,638	(18,338)
609-3	Maint of Storage, Reservoirs, Tanks and Standpipes	-	(2,725)
609-4	Maint of Services		
609-5	Maint of Meters	-	(850)
609-6	Maint of Hydrants	-	-
609-7	Maint of Fountains and Troughs		
	Total Trans and Dist Expenses	1,638	(21,913)
	General and Miscellaneous Expenses		
610-1	Salaries of General Officers and Clerks	117,029	(72,153)
610-2	General Office Supplies and Expenses	64,704	10,530
610-3	Law Expenses (and other professional services)	7,708	743
610-4	Insurance	69,429	1,123
610-5	Accidents and Damages		
610-6	Store Expenses		
610-7	Transportation Expenses	7,503	155
610-8	Inventory Adjustments	11,328	11,328
610-9	Maint of General Structure		
610-10	Depreciation	61,783	16,846
610-11	Miscellaneous General Expenses	30,928	3,821
	Total General and Miscellaneous Expenses	370,412	(27,607)
	Grand Total Operating Expenses	458,742	(72,928)

OPERATING EXPENSES				
(For companies having average operating revenues not exceeding \$15,000.00)				
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	Amount of operating expenses for year	Comparison with prior year
25	601	Maintenance of Source Water Supply		
26	602	Water Purchased for Resale		
27	603	Pumping Labor		
28	604	Maint of pumping Plant		
29	605	Purification Labor, supplies & exps		
30	606	Maint of Purification Bldg & Equip		
31	607	Inspecting Customers' Installations		
32	608	Misc Trans and Dist Supplies & Exp		
33	609	Maint of Trans and Dist System		
34	610-10	Depreciation		
35	610-1-11	General and Miscellaneous Expenses		
36				
37		TOTAL OPERATING EXPENSES		

TAXES

Kind of Tax	Federal	State	Municipal	Total
Personal Property			11,214	11,214
Real Estate			7,787	7,787
Other				-
FICA/Medicare	579			579
FUTA	43			43
SUTA		60		60
Deferred Income Tax	100,313	17,687		118,000
Income Tax	-	3,448		3,448
Totals	100,935	21,195	19,001	141,131

REAL ESTATE INFORMATION				
1. Land owned by the Company.				
	Location		Use	
A.	Great Barrington east side Long Pond Water Shed		Shore of reservoir	
B.	Great Barrington east side Long Pond Water Shed		Shore of reservoir	
C.	Great Barrington south side Long Pond		Filter site shore of reservoir	
D.	Stockbridge High Street		Site of reservoir water supply tank	
E.	Great Barrington south side Long Pond Water Shed		Shore of reservoir	
F.	Great Barrington Prospect Street		Site of Prospect St. pumping station	
G.				
H.				
I.				
J.				
	Area	When Bought	Cost	
A.	40 acres	1923-24	23	
B.	17.5 acres	1922	1,725	
C.	1.3 acres	April 1939	226	
D.	1 acre	January 1946	500	
E.	1 lot	December 1951	643	
F.	1 acre	1960	50	
G.	5 acres	1976	600	
H.				
I.				
J.			3,767	
2. Buildings owned by Company.				
	Location		Use	
A.	Great Barrington south side Long Pond		Valve house slow sand filter	
B.	Great Barrington south side Long Pond		CT basin & storage tank	
C.				
D.				
E.				
F.				
G.				
H.				
I.				
J.				
	Size	Material	When Built	Cost
A.	1/10 acre	Concrete	1939	not separate
B.	1.0 mg	Concrete	1997	948,862
C.				
D.				
E.				
F.				
G.				
H.				
I.				
J.				948,862

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 Long Pond, Great Barrington, MA. It is a natural lake of about 119 acres situated approximately 3 miles from Housatonic. The water shed is largely wooded with inhabitants, the nearest being 200 feet from the lake. Sanitary conditions are approved by the MA Board of Health. Water is filtered by a slow sand filtration system with a bypass valve for exception use during fires.

2. Watersheds owned by the Company.

Location	Area	When Bought	Cost*
A. Baker Farm	0.4 acres	1923-24	23
B. Tobey Lot	17.5 acres	1922	1,725
C. Shalley Lot	10.0 acres	1946	500
D. Barbieri Lot	1.0 acre	1960	50
			2,298

Remarks:

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. N/A

Water supply rights on Long Pond for which deeds were obtained from abutting owners of right of flow. Right of way to lake of all abutting lands for company purposes. Deeds for 3 lots of land for filter with additional right of way over Dewey's land for which \$226 was paid.

*By cost is meant 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.						

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

6. Reservoirs

Location	Area at Surface When Full	Full Capacity in	When Built	Cost*	
A. Long Pond	103 acres	200,000	no record		
B.		estimated			
C.					
D.					
E.					

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:

Originally a natural lake shore largely grubbed. Earth dam 8 feet wide, 250 feet long, and 12 feet high to channel. The spillway has been reconstructed to conform to the requirements of the County engineer.

*By cost is meant 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:
 Gravity systems used. Booster pumping station installed on Prospect Street in 1976-77 services 21 families.
 Booster pump installed at Long Pond filter house in July 1984.

- 2. BOILERS This schedule not presently used.
- 3. CHIMNEYS This schedule not presently used.
- 4. PUMPING ENGINES, STEAM-ACTUATED This schedule not presently used.

5. PUMPS, DRIVEN BY CONNECTED POWER

LOCATION		TYPE	NAME OF BUILDER	WHEN INSTALLED	COST		
A.	Valve, house filter	2" Cent	FBRK/Mrse	Sep-40	72		
B.	Valve, house filter	2.5" Cent	FBRK/Mrse	Aug-42	245		
C.	Valve, house filter	1/2 x 1/2	DMC	Jun-53	166		
D.	New Prospect St Vault	Cent	Paco	Jun-77	4,050		
E.	New Prospect St Vault	Cent	Paco	Jul-84	17,233		
F.							
G.							
H.							
I.							
J.					21,766		
	NUMBER OF CYLS	OR DOUBLE ACTING	STROKES PER MINUTE	LENGTH OF STROKE	DIAM OF PISTONS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A.		Single	1600			1/2 HP Mre	500,000 gallons
B.		Single	1200			Mtr.	
C.		Single	1600			Gas eng	500,000 gallons
D.						5 HP mtr	115,200
E.						1/2 HP Mtr	28,800
F.							
G.							
H.							
I.							
J.							

PUMPING INFORMATION - Continued							
6. Gas producers							
This schedule not presently used.							
7. Internal combustion engines.							
	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		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.							
*By cost is meant the original cost of Installation, not the Book Value.							

PUMPING INFORMATION - Continued

9. WATER WHEELS AND TURBINES

	LOCATION	NAME OF BUILDER		WHEN INSTALLED		COST
A.						
B.						
C.						
D.						
	TYPE OF MACHINE	DIAM. 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:

PUMPING INFORMATION - Continued						
11. Station Log						
Year and Month	Kwhrs. Used	Pounds of Coal Burned	Gallons of Water Pumped (in millions)	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	4,400					
February	5,300					
March	6,100					
April	5,000					
May	5,400					
June	6,100					
July	5,900					
August	6,600					
September	5,600					
October	5,400					
November	7,000					
December	7,600					
TOTALS	70,400					
12. Based upon the displacement of _____ gallons per revolution with ____ per cent allowance for slip 13. Average gallons pumped per day _____ 14. Maximum gallons pumped in a day _____ 15. Date of same _____ 16. Range of pressure in main _____ 17. Average pressure in mains _____						

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 M. cubic feet,			
22. Average price of gasoline per gallon delivered,			
23. Average price of fuel oil per gallon, delivered,			
24. Average price of electric power per Kwhr			
25. Wood consumed during the year,			Cords,
26. Gass consumed during the year,			M. Cubic Feet,
27. Gasoline consumed during the year,			Gals,
28. Fuel oil consumed during the year,			Gals,
29. Electric Power used during the year,	70,400		K.W. Hrs.

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
14	Cast Iron		125				125
12	Cast Iron		2,046				2,046
10	Cast Iron		4,323				4,323
8	Cast Iron		29,182				29,182
6	Cast Iron		8,464				8,464
4	Cast Iron		16,596				16,596
2	Cast Iron		3,761				3,761
2	Steel		1,454	(875)			579
1.5	Steel		69				69
1	Steel		587				587
2	Galvanized Iron		629	(272)			357
2.5	Galvanized Iron		450				450
1.5	Galvanized Iron		200				200
0.75	Galvanized Iron		84				84
6	Transite		4,205				4,205
8	Transite		347				347
8	Ductile Iron		9,235	(195)			10,213
6	Ductile Iron		1,532			1,173	1,609
12	Ductile Iron		3,904			77	3,904
2	CTS Poly		380			538	918
1	CTS Poly					266	266
Totals			87,573	(1,342)	-	2,054	88,285

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,

miles

DISTRIBUTION INFORMATION - Continued					
6. Water towers or stand pipes					
	Location	LAND			
		Area	When Bought	Cost	
A.					
B.					
C.					
D.					
	Inside Diameter	Capacity in Gallons	When Built	Cost	
A.					
B.					
C.					
D.					
7. Services					
Nominal Diameter 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
0.75	Galv Iron	775			775
8	Galv Iron	1			1
1.5	Galv Iron	4			4
1.25	Galv Iron	2			2
4	Galv Iron	1			1
1	Galv Iron	1			1
0.75	Copper	69			69
1	Copper	2			2
	Duct Iron	1			1
Totals		856			856

- 8. Average length of service pipe 75 feet
- 9. Average cost of service laid during the year, \$
- 10. Percentage of services that are metered, 99%
- 11. Percentage in income that is metered,
- 12. Leaks in service during the year,
- 13. Are service pipes paid for by consumers, in whole or in part and to what extent?
Services are fully paid for by consumers

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
14		1			1
12		11			11
10		1			1
1		43			43
6		42			42
4		26		1	27
2.5		1			1
2		28			28
1		59			59
1.5		3			3
1.25		2			2
0.75		1014			1014
8		10		1	11
TOTALS		1241		2	1243
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

15. HYDRANTS, PUBLIC

Nominal Diameter Inches	Hoss Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
5		51		2	53
4.5		16			16
1		1			1
TOTALS		68			70

16. Were all of the above hydrants purchased and installed at the expense of the Company? Yes
 17. If not, under what arrangements were they purchased and installed?

18. HYDRANTS, PRIVATE

Nominal Diameter Inches	Hoss Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
5	2	27			27
4	2-2.5	2			2
TOTALS		29			29

19. Were all of the above hydrants purchased and installed at the expense of the Company? No
 20. If not, under what arrangements were they purchased and installed?

DISTRIBUTION INFORMATION - Continued						
21. Meters owned by Company*						
Size Inches	NUMBER AT BEGINNING		Bought Since	Condemned Since and Removed	NUMBER AT CLOSE OF YEAR	
	In Use	On Hand			In Use	On Hand
1/2					-	
5/8		32		(32)	-	-
3/4	790	23	817	(618)	787	225
1	3	1	1	(2)	3	-
1 1/2	5	1		(1)	5	-
2	1		2	(1)	2	-
3						
4						
6						
TOTALS	799	57	820	(654)	797	225

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

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

24. Are any of these meters paid for by consumers, and to what extent? No.

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

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,
2. Estimated population reached by the distributing system,
3. Estimated population actually supplied,
4. Total consumption during the year
5. Average daily consumption
6. Day on which the greatest amount was pumped,
7. Gallons pumped on above day,
8. Week during which greatest amount was pumped,
9. Gallons pumped during above week,
10. Gallons per day per service,
11. Consumption metered,
12. Consumption metered,

13. CUSTOMERS

Number being supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
848	1	1	848
Name of City, Town or District		Number of Customers as of December 31, 2017	
Housatonic		749	
Stockbridge		23	
West Stockbridge		66	
Vacancies		10	

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

By meter,

- 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 contract rates that are in force and state what discounts are allowed for prompt payment and what fines are charged for delayed payment

Are payments required in advance?

When are meters read and bills rendered?

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Ardius Jones

President

James J. Mercer

Treasurer

Ardius Jones

Directors

James J. Mercer

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

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

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

HOUSATONIC WATER WORKS COMPANY

M. D. P. U. NO. 17

CANCELLING

M. D. P. U. No. 13

SCHEDULE OF WATER RATES
APPLICABLE TO ALL CLASSES

ISSUED: October 27, 2016

HOUSATONIC WATER WORKS COMPANY

EFFECTIVE: November 1, 2016
HOUSATONIC WATER WORKS COMPANY

ISSUED BY: James J. Mercer, Treasurer
M. D. P. U. No. 17

RATES FOR METERED SERVICEAVAILABILITY

These rates are available to all customers located on the mains of the Company, subject to the RULES AND REGULATIONS of the COMPANY.

MINIMUM CHARGES

Minimum charges with quantities of water allowed, without additional charge, will be made to each customer for each meter. Such charges and such allowances of water for each size meter are as follows:

<u>Size of Pipe In Inches</u>	<u>Monthly Allowance in Gallons</u>	<u>Base Minimum Charge per Month</u>
5/8 or 3/4	2,500	\$ 40.94
1	4,000	64.42
1 1/2	8,000	128.59
2	12,500	201.96
3	25,000	405.82
4	40,000	649.06
6	80,000	1,296.56

VOLUMETRIC CHARGES

The following rate shall apply to all water use in excess of the Monthly Allowance set forth above by meter size.

Per 100 gallons per month, or any part thereof. \$0.967

ISSUED: October 27, 2016

EFFECTIVE: November 1, 2016

HOUSATONIC WATER WORKS COMPANY

M. D. P. U. No. 17

FIXTURE RATES

The following charges shall apply to all non-metered customers.

	<u>Monthly Fixture Rate</u>
First faucet installation in sink, washbowl, or other faucet installation	\$16.25
Each additional faucet installation	5.58
Bathtubs (one bathtub installation)	7.79
Each additional bathtub installation	5.58
Toilet (one toilet installation)	7.79
Each additional toilet installation	5.58
Use of hose (first outlet) per season	9.09

INSTALLATIONS

A faucet installation consists of an outlet of either cold or hot water, or both, in any one receptacle.

A bathtub installation consists of an outlet consisting of faucets or a shower of either hot or cold water, or both, in any one bathtub or like receptacle.

An automatic dishwasher is treated as an additional faucet installation.

An automatic laundry machine is treated as an additional faucet installation.

A toilet installation consists of a cold water outlet controlled by a self-closing floating valve with appropriate receptacle.

All such installations shall be deemed to be installed and subject to charge at the foregoing applicable rates unless both the water outlets and the receptacle drain of such installation are disconnected and plugged in a manner acceptable to the Company.

ISSUED: October 27, 2016

EFFECTIVE: November 1, 2016

FIRE PROTECTION

Public hydrants now and hereafter installed or located by the Housatonic Water Works Company in the public streets and ways in the towns of Great Barrington, West Stockbridge and Stockbridge.

	<u>Monthly Charge</u>
Public hydrants, producing a flow of 250 gallons or more per minute	\$57.21
Public hydrants, producing a flow of 150 gallons and less than 250 gallons or more per minute	\$46.07

Private hydrants installed at owner's expense will be charged \$57.25 per month. Charges for sprinkler connections will be established by written contract between the Company and the private fire service customer.

PAYMENTS

Payment for unmetered service is to be made in advance for the month on the 1st. Metered service will be billed monthly in arrears.

ISSUED: October 27, 2016

EFFECTIVE: November 1, 2016