THE COMMONWEALTH OF MASSACHUSETTS

RETURN

OF

AQUARION WATER COMPANY OF MASSACHUSETTS

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31, 2015

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

Troy Dixon
Official Title
Director, Rate & Regulations

Office Address: **600 Lindley Street**
Bridgeport, CT 06606

General Information

Principal and Salaried Officers*

Titles	Names	Addresses	Annual Salaries
President Chief Executive Officer	Charles V. Firlotte	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$403,052.86 * $22,638.13 charged to MA.
Executive Vice President, Treasurer, Secretary and Clerk	Donald J. Morrissey	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$290,490.74 * $15,725.32 charged to MA.
Vice President of Operations	John P. Walsh	Aquarion Water Company of Massachusetts, Inc. 835 Main St., Bridgeport, CT 06604	$186,700.47 * $20,096.58 charged to MA.
Vice President Corporate Communications	Bruce T. Silverstone	Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$167,596.71 * $0 charged to MA.

Directors*

Names		Addresses	Fees Paid During Year
Charles V. Firlotte		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$0
Donald J. Morrissey		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$0
John P. Walsh		Aquarion Water Company 835 Main St., Bridgeport, CT 06604	$0

*By General Laws, Chapter 164, Section 83, the Return must contain a "List of names of all their salaried officers and the amount of the salary paid to each," and by Section 77, the department is required to include in its annual report "the names and addresses of the principal officers and of the directors."

Annual Report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

GENERAL INFORMATION

1. Full corporate title company Aquarion Water Company of Massachusetts Telephone No. (781) 740-6693

2. Location of principal business office 900 Main Street Hingham, MA 02043

3. Date of organization _____ August 9, 1879 4. Date of incorporation March 21, 1879

5. Whether incorporated under general or special law Special

6. If under special law, give chapter and year of act Chapter 139 Act of 1879

7. Give chapter and year of any subsequent special legislation affecting the Company Chapters 59, 88, 54, 168, 482 of Acts 1881, 1886, 1910, 1914, and 1924 respectively

8. Territory covered by charter rights Towns of Hingham, Hull, Millbury, Oxford, and parts of Cohasset and Norwell

9. Capital stock authorized by charter, $5,000,000

10. Capital stock issued prior to August 1, 1914, $300,000

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

37,571 shares of par value of $100.00 each $3,757,100.00

12. If additional stock has been issued during the last fiscal period, give the date, amount and price thereof, the date or dates on 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

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.

Aquarion Company	$109,584
Aquarion Water Company of Connecticut	$1,326,015

14. Date when Company first began to distribute and sell water July 3, 1880

15. Total number of stockholders One

16. Number of stockholders resident in Massachusettes NONE

17. Amount of stock held in Massachusettes, number of shares , amount N/A

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Annual Report of Aquarion Water Company of Massachusetts — **Year ended December 31, 2015**

COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consitent with those in the supporting schedules on the pages indicated.
All credit items hereunder should be in red ink

Line No.	Balance at Beginning of Year (a)	Assets (b)	Balance at close of Year (c)	Net Change During Year (d)
1		**INVESTMENTS**		
2	$ 63,654,131	101-113 Plant Investments (p202)	$ 68,591,852	$ 4,937,721
3	$ 2,053,778	114-119 General Equipment (p202)	$ 2,438,605	$ 384,828
4	$ 1,282,102	201 Unfinished Construction(p202)	$ 730,104	$ (551,998)
5	$ 1,401	202 Miscellaneous Physical Property (p203)	$ 1,401	$ -
6	$ 21,574	203 Other Investments (p203)	$ 28,209	$ 6,635
7	**$ 67,012,986**	**Total Investments**	**$ 71,790,171**	**$ 4,777,185**
8		**CURRENT ASSETS**		
9	$ 180	204 Cash	$ 274	$ 94
10	$ -	205 Special Deposits	$ -	$ -
11	$ 1,300,000	206 Notes Receivable	$ 473,033	$ (826,967)
12	$ 1,021,086	207 Accounts Receivable	$ 1,229,426	$ 208,340
13	$ -	208 Interest and Dividends Receivable	$ -	$ -
14	$ 258,675	209 Materials and Supplies	$ 268,615	$ 9,940
15	$ 2,140,949	210 Other Current Assets	$ 2,016,032	$ (124,917)
16	**$ 4,720,890**	**Total Current Assets**	**$ 3,987,380**	**$ (733,510)**
17		**RESERVE FUNDS**		
18	$ -	211 Sinking Funds	$ -	$ -
19	$ -	212 Insurance and Other Funds	$ -	$ -
20	**$ -**	**Total Reserve Funds**	**$ -**	**$ -**
21		**PREPAID ACCOUNTS**		
22	$ 26,372	213 Prepaid Insurance	$ -	$ (26,372)
23	$ -	214 Prepaid Interest	$ -	$ -
24	$ 26,531	215 Other Prepayments	$ 27,843	$ 1,312
25	**$ 52,903**	**Total Prepaid Accounts**	**$ 27,843**	**$ (25,060)**
26		**UNADJUSTED DEBITS**		
27	$ 185,248	216 Unamortized Dept Discount Exp (p203)	$ 159,857	$ (25,391)
28	$ -	217 Property Abandoned	$ -	$ -
29	$ 9,594,794	218 Other Unadjusted Debits (p203)	$ 8,722,434	$ (872,360)
30	**$ 9,780,043**	**Total Unadjusted Debits**	**$ 8,882,291**	**$ (897,752)**
31				
32	**$ 81,566,822**	**GRAND TOTAL**	**$ 84,687,685**	**$ 3,120,863**

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Annual Report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

COMPARATIVE GENERAL BALANCE SHEET

The entries in this balance sheet should be consitent with those in the supporting schedules on the pages indicated. All debit items hereunder should be in red ink.

Line No.	Balance at Beginning of Year (a)	Liabilities (b)	Balance at close of Year (c)	Net Change During Year (d)
1		**CAPITAL STOCK**		
2				
3	$ 3,757,100	301 Common Stock (p. 204)	$ 3,757,100	$ -
4	$ -	302 Preferred Stock (p. 204)	$ -	$ -
5	$ -	303 Employees' Stock (p. 204)	$ -	$ -
6	**$ 3,757,100**	**Total Capital Stock**	**$ 3,757,100**	**$ -**
7				
8	$ 1,135,450	304 Premium on Capital Stock	**$ 1,135,450**	$ -
9				
10		**BONDS, COUPON AND LONG TERM NOTES**		
11				
12	$ 19,155,000	305 Bonds (p. 204)	$ 18,985,000	$ (170,000)
13	$ -	306 Coupon and Long Term Notes (p. 204)	$ -	$ -
14	**$ 19,155,000**	**Total Bonds, Coupon and Long Term Notes**	**$ 18,985,000**	**$ (170,000)**
15				
16		**CURRENT LIABILITIES**		
17	$ -	307 Notes Payable (p. 205)	$ -	$ -
18	$ 945,198	308 Accounts Payable	$ 1,877,397	$ 932,199
19	$ 754	309 Consumers' Deposits	$ 1,548	$ 794
20	$ -	310 Matured Interest Unpaid	$ -	$ -
21	$ -	311 Dividends Declared	$ -	$ -
22	$ -	312 Other Current Liabilities	$ -	$ -
23	**$ 945,952**	**Total Current Liabilities**	**$ 1,878,945**	**$ 932,993**
24				
25		**ACCRUED LIABILITIES**		
26	$ (91)	313 Tax Liability	$ (91)	$ -
27	$ 151,579	314 Interest Accrued	$ 152,124	$ 545
28	$ 105,711	315 Other Accrued Liabilities	$ 94,836	$ (10,875)
29	**$ 257,199**	**Total Accrued Liabilities**	**$ 246,869**	**$ (10,330)**
30				
31		**UNADJUSTED CREDITS**		
32	$ 50,091	316 Premium on Bonds (p. 205)	$ 44,307	$ (5,784)
33	$ 8,770,421	317 Other Unadjusted Credits (p. 205)	$ 8,384,155	$ (386,266)
34				
35	**$ 8,820,512**	**Total Unadjusted Credits**	**$ 8,428,462**	**$ (392,050)**
36				
37		**RESERVES**		
38	$ -	318 Insurance and Casualty Reserve	$ -	$ -
39	$ 16,254,318	319 Depreciation Reserve (p. 206)	$ 16,648,344	$ 394,026
40	$ 9,111,615	320 Other Reserves	$ 10,288,715	$ 1,177,100
41	**$ 25,365,933**	**Total Reserves**	**$ 26,937,059**	**$ 1,571,126**
42				
43		**APPROPRIATED SURPLUS**		
44	$ -	321 Sinking Fund Reserves	$ -	$ -
45	$ 11,688,860	323 Contributions for Extensions	$ 12,624,583	$ 935,723
46	$ 3,844,050	324 Surplus Invested in Plant	$ 3,844,050	$ -
47	**$ 15,532,910**	**Total Appropriated Surplus**	**$ 16,468,633**	**$ 935,723**
48				
49	$ 6,596,766	400 Profit and Loss Balance (p. 301) +	$ 6,850,167	$ 253,401
50	**$ 22,129,676**	**Total Corporate Surplus +**	**$ 23,318,800**	**$ 1,189,124**
51	**$ 81,566,822**	**GRAND TOTAL**	**$ 84,687,685**	**$ 3,120,863**

Annual Report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

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. Col. (e). "Adjustments made during the year, "should be interpreted to mean modifications of entries made in prior accounting periods. When any adjusting entry is made in Col. (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 Col. (e) in red and the amounts debited should appear in Col. (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	82,595	-	-	-	82,595
3	Misc. Intangible Invest.	-	-	-	-	-
4	**Total Intangible Property**	**82,595**	**-**	**-**	**-**	**82,595**
5	**TANGIBLE PROPERTY**					
6	Land	243,845	-	-	-	243,845
7	Structures	16,101,933	766,507	-	-	16,868,440
8	Pumping Plant Equipment	1,670,152	211,405	(81,316)	-	1,800,241
9	Misc. Pumping Plant Equipment	117,646	-	-	-	117,646
10	Purification System	2,919,540	364,749	(41,659)	-	3,242,630
11	Trans'n and Dist'n Mains	31,120,333	3,587,441	(159,250)	-	34,548,524
12	Services	7,207,295	114,314	(12,350)	-	7,309,258
13	Consumers' Meters	2,167,592	208,335	(79,670)	-	2,296,258
14	Consumers' Meter Installation	672,540	-	-	-	672,540
15	Hydrants	565,666	9,398	-	-	575,064
16	Fire Cist'ns, Basins, Fount'ns				-	-
17	Water Rights				-	-
18	Other Trans'n & Dist'n Plant	784,995	49,817	-	-	834,812
19	Miscellaneous Expenditures				-	-
20	**Total Plant Investment**	**63,571,536**	**5,311,966**	**(374,245)**	**-**	**68,509,257**
21	**GENERAL EQUIPMENT**					
22	Office Equipment	772,165	256,722	-	-	1,028,887
23	Shop Equipment	264,756	9,858	-	-	274,614
24	Stores Equipment	133,892	-	-	-	133,892
25	Transportation Equipment	609,557	118,248	-	-	727,805
26	Laboratory Equipment	36,005	-	-	-	36,005
27	Miscellaneous Equipment	237,403	-	-	-	237,403
28	**Total General Equipment**	**2,053,778**	**384,828**	**-**	**-**	**2,438,605**
29	Unfinished Construction	1,282,102	(551,998)	-	-	730,104
30	**Total Cost of All Property**	**66,990,011**	**5,144,795**	**(374,245)**	**-**	**71,760,561**
31	Assessed Value of Real Estate	16,345,778	766,507	-	-	17,112,285
32	Assessed Value of Other Property	49,279,537	4,930,287	(374,245)	-	53,835,579
33	**Total Assessed Value**	**65,625,315**	**5,696,793**	**(374,245)**	**-**	**70,947,864**

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 (a)	Book Value at End of Year (b)	Revenue for the Year (c)	Expense for the Year (d)	Not Revenue for the Year (e)
1	Easement Right-of-Way	$1,401			$1,401
2					
3					
4					
5	**Totals**	$1,401			$1,401

OTHER INVESTMENTS

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

	(a)				
6	Investment in CoBank, ACB	$21,574	$6,635		$28,209
7					
8					
9					
				Total	**$28,209**

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 expenseincurred in connection with the issue, the word "Discount" should be erased. Entries in Col (d) should be consistant with the returns made on page 301, Schedules of Income and Profit and Loss.

	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	General Mtg Bonds 7.71%	$ 26,374		$ 2,958	$ 23,417
11	General Mtg Bonds 9.64%	$ 15,039		$ 2,148	$ 12,890
12	MA Water Pollution Abatement Trust Loan - 0.0%	$ 25,624		$ 2,985	$ 22,638
13	CoBank, ACB Swap 4.11%	$ 118,212	$ -	$ 17,299	$ 100,913
14					
15	**TOTALS**	**$ 185,248**	**$ -**	**$ 25,391**	**$ 159,857**

OTHER UNADJUSTED DEBITS

Give an analysis of the abvove-entitled account as of close of year, showing in detail each item or subaccount amounting $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	Deferred Taxes	$ 3,661,036	$ 296,126	$ 287,290	$ 3,669,872
17	Deferred Pension	$ 920,521	$ 309,778	$ 162,072	$ 1,068,227
18	Deferred FAS 106	$ 184,123	$ -	$ 152,508	$ 31,615
19	Deferred Rate Proceedings	$ 99,384	$ -	$ 79,507	$ 19,877
20	Deferred Perchlorate Costs	$ 4,828	$ -	$ 3,862	$ 966
21	Additional Security Costs	$ 51,664	$ -	$ 41,331	$ 10,333
22	FAS 158 Deferred Debits	$ 4,442,817	$ -	$ 712,790	$ 3,730,027
23	Deferred Well Maintenance	$ 190,898	$ 156,388	$ 155,769	$ 191,517
24	Deferred Town of Oxford - Litigation Costs	$ 21,809	$ -	$ 21,809	$ -
25	Deferred R&M Feasibility Study	$ 17,714	$ 1,153	$ 18,867	$ -
26					
27					
28					
29					
30					
31					
32					
33					
34					
35	**TOTALS**	**$ 9,594,794**	**$ 763,445**	**$ 1,635,805**	**$ 8,722,434**

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.	Decription (a)			Number of Shares Authorized (b)	Par Value of One Share (c)	Amount of Capital Stock Authorized (d)		Amount Actually Out-standing at End of Year (e)	Total Premium At End of Year (f)
1	Capital Stock: Common			50,000	$ 100		$ 5,000,000	$ 3,757,100	$ 4,979,500
2	Preferred								
3	Employee								
4									
5		**Totals**					**$ 5,000,000**	**$ 3,757,100**	**$ 4,979,500**

BONDS, COUPONS, AND LONG TERM DEBT

Give particulars of various issues of bond, coupons, 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. (h) should be consistant with return made on page 301, Income Schedule (line 20).

	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 Rate Per Cent (f)	Dates Due (g)	Interest Accrued During Year Charged to Income (h)	Interest Paid During Year (i)
6	Mortgage Bonds:								
7	General Mortgage	11/93	6/23	$ 7,000,000	$ 7,000,000	7.71%	Jun/Dec	$ 539,700	$ 539,700
8	General Mortgage	12/91	9/21	$ 1,400,000	$ 1,400,000	9.64%	Mar/Sep	$ 134,960	$ 134,960
9	MA Water Pollution Abatement Trust Loan	03/03	08/23	$ 1,585,000	$ 1,585,000	0.00%	-	$ -	$ -
10	General Mortgage - swap loan	11/11	11/21	$ 9,000,000	$ 9,000,000	4.11%	Feb/May/Aug/Nov	$ 375,038	$ 374,492
11	**Total Bonds**			**$ 18,985,000**	**$ 18,985,000**			**$ 1,049,698**	**$ 1,049,152**
12	Coupon and Long Term Notes:								
13									
14									
15									
16									
17	Total Coupon & Long Term Notes								
18		**Grand Total**					**Totals**	**$ 1,049,698**	**$ 1,049,152**

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SUNDRY CURRENT LIABILITIES

NOTES PAYABLE

Line No.	Name of Creditor (a)	Date of Issue (b)	Date of Maturity (c)	How Secured (d)	Rate of Interst (e)	Amount (f)
1	Aquarion Company					$ -
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. Schedule 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	MWPAT Unamortized Premium					$ 44,307
10						
11						
12		**TOTALS**				**$ 44,307**

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)	Amount (c)
13	Advances for Construction		$ 355,108
14	Deferred OPEB		$ 1,911,950
15	Funded pension contribution		$ 5,267,802
16	Unrealized (gain) loss on swap		$ 276,110
17	Tax benefit due ratepayer		$ 60,926
18	Deferred OPEB costs		$ 383,081
19	Other deferred credits		$ 129,178
20			
21			
22			
23		**Total**	**$ 8,384,155**

DEPRECIATION RESERVE

Line No.	(a)	Amount (b)
1	**Balance at beginning of year**	16,254,318
2	Credits to Depreciation Reserve during year:	
3	Account 610-10 Depreciation	1,738,807
4	Other Accounts (Specify):	
5	Loss of Disposition of Assets	
6	Depreciation charged to contributed property schedule	
7	Accumulated Depr - Transfer of 2 vehicles from AWC-CT	7,181
8	**CHARGES DURING YEAR**	**1,745,988**
9	Net Charges for Plant Retired:	
10	Book Cost of Plant Retired	374,245
11	Cost of Removal	**978,417**
12	Salvage (credit in red)	(700)
13	**NET CHARGES DURING YEAR**	**1,351,962**
14	**Balance at end of year**	**16,648,344**

BASIS OF DEPRECIATION CHARGES

Give in detail the rules and rate by which the respondent determined the amount charged to operating expenses and other accounts, and credited to Depreciation Reserves. report also depreciation taken for the year for federal income tax purposes.

15		
16		
17		
18		
19		
20		

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Annual Report of Aquarion Water Company of Massachusetts — **Year ended December 31, 2015**

INCOME STATEMENT FOR THE YEAR

Give the Income Account of the respondent for the year ended December 31, 2014 in accordance with the Uniform System of Accounts for Water Companies.

Line No.	Acc't No.	Item (a)	Amount (b)	Comparison with Previous Year. (c)
1		**OPERATING INCOME**		
2	500	Operating Revenues (p. 302)	$ 15,921,335	$ 302,993
3	600	Operating Expenses (p. 303)	$ 13,396,978	$ (485,929)
4		**Net Operating Revenues**	**$ 2,524,357**	**$ 788,922**
5	550	Uncollectible Operating Revenues	$ 48,322	$ 23,774
6	551	Taxes (p. 303B)	$ 1,223,502	$ 305,786
7		**Net Operating Income**	**$ 1,252,534**	**$ 459,363**
8		**NON-OPERATING INCOME**		
9	560	Mdse. and Jobbing Revenue*	$ 51,192	$ 1,530
10	561	Rent from Appliances	$ -	$ -
11	562	Miscellaneous Rent Income	$ -	$ -
12	563	Interest and Dividend Income	$ -	$ -
13	564	MWPAT Loan - Net Subsidy	$ 17,256	$ 4,754
14	565	MWPAT Amortization of Debt Premium	$ 5,784	$ -
15	566	Miscellaneous Non-operating Income	$ 112,534	$ (9,683)
16		**Total Non-operating Income**	**$ 186,766**	**$ (3,399)**
17		**GROSS INCOME**	**$ 1,439,300**	**$ 455,964**
18		**DEDUCTIONS FROM GROSS INCOME**		
19	575	Miscellaneous Rents	$ -	$ -
20	576	Interest on Bonds and Coupon Notes	$ 1,057,159	$ 6,112
21	577	Miscellaneous Interest Deductions	$ -	$ -
22	578	Amortization of Discount (p. 203)	$ 25,391	$ -
23	579	Miscellaneous Deductions from Income	$ 36,868	$ 5,572
24		**Total Deductions from Gross Income**	**$ 1,119,418**	**$ 11,684**
24		**Income Balance transferred to Profit and Loss**	**$ 319,882**	**$ 444,280**

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.

Line No.	Acc't No.	Item (a)	Debits (b)	Credits (c)
26		**CREDITS**		
27	401	Credit Balance at Beginning of Fiscal Period (p.201)		$ 6,596,766
28	402	Credit Balance transferred from Income Acct. (p.301)		$ 319,882
29	403	Miscellaneous Credits, (transfer from paid-in-capital)		$ -
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	Accumulated other comprehensive loss on swap	$ 34,481	
34	414	Dividend Appropriation of Surplus (p.302)	$ 32,000	
35	415	Appropriations of Surplus for Depreciation (p.204)		
36	416	Dic'nt on Bonds Exting'd through Surplus (p.203)		
37	417	Other Deductions from Surplus for Depreciation (p.204)		
38	418	Appropriations of Surplus for Construction		
39		Balance carried Forward to Balance Sheet		$ 66,481
		TOTALS		**$ 6,850,167**

(Note) Explain below amounts entered as Other Deductions from Surplus or Miscellaneous Credits:

*In case the Merchandising and Jobbing business shows a loss, the amount should appear in red.

OPERATING REVENUES

State the operating revenues of the respondent for the year ended December 31, 2015, classified in accordance with the Uniform System of Accounts.

Line No.	Acc't No.	CLASS OF WATER OPERATING REVENUE	Amount of Revenue for Year	Comparison with Previous Year
1		**REVENUES FROM SALE OF WATER**		
2	501	Metered Sales to General Consumers	$ 14,281,240	$ 298,318
3	502	Flat-rate Sales to General Consumers	$ 677,200	$ 7,888
4	503	Sales to Other Water Companies	$ -	$ -
5	504	Municipal Hydrants	$ 909,748	$ (2,974)
6	505	Miscellaneous Municipal Revenues	$ -	$ -
7		**Total Revenues from Water Operations**	**$ 15,868,188**	**$ 303,232**
8		**MISCELLANEOUS REVENUES**		
9	506	Rent from Property used in Operation	$ -	$ -
10	507	Miscellaneous Operating Revenues	$ 53,147	$ (239)
11		**Total Revenues from Miscellaneous Operation**	**$ 53,147**	**$ (239)**
12		**Total Operating Revenues**	**$ 15,921,335**	**$ 302,993**

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 Regular (b)	Extra (c)	Amount of Capital Stock on which Dividend was Declared (d)	Amount of Dividend (e)	DATE Declared	Payable
13		Common Stock				$ 32,000		
14								
15								
16								
17								
19								
20								
21								
22								
23								
24		**Totals**				$ 32,000		

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Annual Report of Aquarion Water Company of Massachusetts — **Year ended December 31, 2015**

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, 2015 classifying them in accordance with the Uniform System of Accounts.

Line No.	Acc't No.	Item (a)	Amount (b)	Comparison with Previous Year. (c)
1		**SOURCE OF WATER SUPPLY EXPENSES**		
2	601-1	Maintenance of Water Supply Buildings and Fixtures	$ 41,330	$ -
3	601-2	Maintenance of Surface Source of Supply Facilities	$ -	$ -
4	601-3	Maintenance of Ground Source of Water Supply	$ 277,426	$ 145,743
5		**Total Source of Water Supply Expenses**	**$ 318,756**	**$ 145,743**
6	602	**Water Purchased for Resale**	**$ 35,308**	**$ (27,146)**
7		**PUMPING EXPENSES**		
8	603-1	Pumping Labor	$ 148,987	$ 1,102
9	603-2	Boiler Fuel	$ -	$ -
10	603-3	Water for Steam	$ -	$ -
11	603-4	Electric Power Purchased	$ 715,593	$ (82,787)
12	603-5	Miscellaneous Pumping Station Supplies and Expenses	$ 95,668	$ (39,717)
13	604-1	Maintenance Power Pumping Buildings and Fixtures	$ 28,746	$ (6,510)
14	604-2	Maintenance of Pumping Equipment	$ 124,599	$ (26,099)
15	604-3	Maintenance of Miscellaneous Pumping Plant Equipment	$ -	$ -
16		**Total Pumping Expenses**	**$ 1,113,593**	**$ (154,011)**
17		**PURIFICATION EXPENSES**		
18	605-1	Purification Labor	$ 276,825	$ 20,503
19	605-2	Purification Supplies and Expenses	$ 3,449,902	$ (352)
20	606-1	Maintenance of Purification Buildings and Fixtures	$ 60,495	$ 16,134
21	606-2	Maintenance of Purification Equipment	$ 416,119	$ (9,470)
22		**Total Purification Expenses**	**$ 4,203,341**	**$ 26,815**
23		**TRANSMISSION AND DISTRIBUTION EXPENSES**		
24	607	Inspecting Customers' Installation	$ 12,577	$ (5,896)
25	608	Miscellaneous Trans. and Dist, Supplies and Expenses	$ 609,090	$ 127,170
26	609-1	Maintenance of Trans. and Dist. Buildings and Fixtures	$ 13,488	$ 13,157
27	609-2	Maintenance of Trans. and Dist. Mains	$ 451,434	$ 78,226
28	609-3	Maintenance of Storage, Reservoirs, Tanks and Standpipes	$ 18,199	$ (2,686)
29	609-4	Maintenance of Services	$ 206,556	$ 37,434
30	609-5	Maintenance of Meters	$ 179,435	$ 87,128
31	609-6	Maintenance of Hydrants	$ 6,234	$ (16,458)
32	609-7	Maintenance of Fountains and Troughs	$ -	$ -
33		**Total Trans. and Dist. Expenses**	**$ 1,497,013**	**$ 318,075**
34		**GENERAL AND MISCELLANEOUS EXPENSES**		
35	610-1	Salaries of General Officers and Clerks	$ 390,322	$ (133,692)
36	610-2	General Office Supplies and Expenses	$ 1,917,155	$ (298,055)
37	610-3	Law Expense - General	$ 756,152	$ (125,592)
38	610-4	Insurance	$ 955,868	$ (32,486)
39	610-5	Accidents and Damages	$ -	$ -
40	610-6	Store Expenses	$ -	$ -
41	610-7	Transportation Expenses	$ 15,544	$ (97)
42	610-8	Inventory Adjustments	$ -	$ -
43	610-9	Maintenance of General Structures	$ -	$ -
44	610-10	Depreciation	$ 1,519,740	$ 125,669
45	610-11	Miscellaneous General Expenses	$ 674,186	$ (331,152)
46		**Total General and Miscellaneous Expenses**	**$ 6,228,967**	**$ (795,405)**
47		**GRAND TOTAL OPERATING EXPENSES**	**$ 13,396,978**	**$ (485,929)**

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Annual Report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

OPERATING EXPENSES (CONT'D)

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

State the operating expenses of the respondent for the year ended December 31, 2015 classifying them in accordance with the Uniform System of Accounts.

Line No.	Kind of Tax (a)	Federal	State	Municipal	Total
48	FIT	$ 2,973			$ 2,973
49	FICA	$ 156,847			$ 156,847
50	FUTA	$ 820			$ 820
51	Property Tax			$ 1,072,562	$ 1,072,562
52	SUTA		$ 5,716		$ 5,716
53	SIT		$ (15,416)		$ (15,416)
54	Other General Taxes			$ -	$ -
55					
56					
57					
58					
59					
60	**TOTALS**	**$ 160,640**	**$ (9,700)**	**$ 1,072,562**	**$ 1,223,502**

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Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Real Estate Information - Hingham

1. Land owned by the Company

	Location	Use	
A	Whiting Street, Accord Pond	Surface water supply, pump station, elevated tank	
B	South Pleasant Avenue Fulling Mill	Water Pump Station	
C	Free Street	Well Pump Stations	
D	Turkey Hill Lane	Standpipe	
E	Downing Street	Well Pump Stations	
F	Scotland Street	Well Pump Stations	
G	Prospect Street	Well Pump Stations	

	Area	When Bought	Cost
A	43.53 Acres	1882, 85, 96, 97, 98, 1916	$10,177
B	117.04 Acres	1885, 1900, 02-06, 16, 23	$29,092
C	72.14 Acres	1942, 1951	$3,763
D	0.22 Acres	1963	$4,766
E	10.91 Acres	1965	$14,579
F	24.20 Acres	1955 - 1975	$7,596
G	9.22 Acres	1966 - 1970	$83,384

2. Buildings owned by the Company

	Location	Use
A	Fulling Mill Pond	Pump Station
B	Fulling Mill Pond	Storehouse and Garage
C	Accord Pond - Gravity & Pump	Outlet Structure and Pump Station
D	Free Street #4	Well Pump Stations
E	Free Street #3	Well Pump Stations
F	Free Street #2	Filter Building And Garage, Well Pump Station
G	Scotland Street	Well Pump Stations
H	Downing Street	Well Pump Stations
I	Prospect Street	Well Pump Stations

	Size	Material	When Built	Cost
A	5755	Brick	1919, 20, 21, 62, 67, 68, 96	
B	800	Steel	1969	
C	1200	Brick	1995	
D	450	Brick	1942 - 1968	
E	258	Brick	1952	
F	2780	Brick & Block	1969-70	
G	326	Cement Block	1956	
H	340	Cement Block	1966	
I	360	Brick & Block	1971	

* By cost is meant the original cost of Installation, not the Book Value

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Real Estate Information - Millbury

1. Land owned by the Company

	Location		Use	
A	Millbury Avenue		Location of Well & Pump Station	
B	Burbank Hill		Location of Reservoir	
C	Howe Avenue		Location Basins #1, #2 & #3	
D	Oak Pond Avenue		Oak Pond Pump Station	
E	North Main Street @ Jacques Curve		#1 & #2 North Main Street Pump Station	
F	Sutton Road		Location of Booster Station	
	Area		When Bought	Cost
A	3.00 Acres		1849	
B	3.00 Acres		1895	$25,802
C	55.23 Acres		1895 - 1913	$3,823
D	97,129 Square Feet		1957	$4,106
E	20.39 Acres		1965	$16,824
F	10,051 Square Feet		1994	$11,999

	Location		Use	
A	Oak Pond Avenue		Pump Station	
B	North Main Street #2 Well		Pump Station	
C	North Main Street #1 Well		Pump Station	
D	34 Sutton Road		Booster Pump Station	
E	Horne Way		Booster Pump Station	
F	North Main St. WTP		Water Treatment Plant	
G	35 Millbury Ave.		Raw Water Pump Station	
H	35 Millbury Ave.		Water Treatment Plant	
	Size	Material	When Built	Cost
A	19' x 16'	Concrete Block	1958	
B	20' x 17'	Concrete Block	1966	
C	20' x 17'	Concrete Block	1966 - 67	
D	17' x 22'	Brick & Concrete	1994	
E	22' x 33'	Wood	2000	
F	29' x 67'	Metal	2003	
G	17' x 18'	Concrete Block	2002	
H	45' x 100'	Concrete Block	2002	

* By cost is meant the original cost of Installation, not the Book Value

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Real Estate Information -Oxford

1. Land owned by the Company

	Location		Use	
A	Main St, Oxford, MA		Well & Pump station	
B	Prospect Hill, Oxford, MA		Right of way for standpipe	
C	Prospect Hill, Oxford, MA		Land adjacent to standpipe	
D	Off Holbrook Road- Oxford, Massachusetts		Land for standpipe	
E	From Old Depot Rd to Burbank St Oxford, Mass		Right of way pipeline to standpipe	
	Area		When Bought	Cost
A	9.04 Acres		1906	$4,312
B	1.00 Acre		1907	$319
C	13.30 Acres		1944	$438
D	0.52 Acres		1957	$6,527
E	25.70 Acres		1958 - 1959	$16,338

2. Buildings owned by the Company

	Location		Use	
A	North Main Street Oxford, Massachusetts		Pump Station	
B	North Main Street Oxford, Massachusetts		Pump Station	
C	Off Nelson Street Oxford, Massachusetts		Pump Station	
D	Sutton Ave. Oxford, Massachusetts		Booster Pump Station	
	Size	Material	When Built	Cost
A	20' x 17'	Cement Block	1959	
B	20' x 17'	Cement Block	1959	
C	16' x 10' x 19'9"	Cement Block	1959-64-67	
D	12' x 20'	Prefab. Metal	1999	

* By cost is meant the original cost of Installation, not the Book Value

SUPPLY INFORMATION - Hingham

1. Give a full and complete description of the 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 lease. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.

See attached Schedule

2. Watersheds owned by the Company

Location	Area	When Bought	Cost
A. Fulling Mill Pond	67.79 acres	1902, 04, 06, 23	Included on page 400
B. Accord Pond	40.916 acres	1882, 85-87	

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.

Fulling Mill Pond - January 4, 1886 - $2,000
Accord Pond - May 26, 1912 - $1,500

Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.

Response to Question 1 - Page 401 **Page 401A**

(Item 1 Page 401)

Annual Report of Aquarion Water Company of Massachusetts

Year ended December 31, 2015

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.

Water is obtained from Accord Pond, Fulling Mill Well and from several other wells.
Fulling Mill Well is owned by respondent. The right to withdraw water from
all sources was registered under the Massachusetts Water Management Act of 1988.
Two satellite wells, Fulling Mill #1 & #2, both 18" diameter ,#1 is 48' deep and #2 is 42' deep, were added at Fulling Mill
An 18" diameter well, 58' deep was constructed off Prospect Street in 1971. The well
was approved by the Department of Public Health in 1970. A 24" diameter well, Free Street #2,
72' deep, was constructed off Free Street in 1951, the pump was installed in 1952.
A replacement well 18" in diameter and 80' deep for #2 , Free St. #2A, was put into service in December 2007. An 18"
diameter well, 45' deep, was constructed off Scotland Street in 1955. An 24" satellite well, Scotland St. #1A, 58' deep,
was completed and put into service in May 2008. A 24"diameter well, 66' deep was constructed off Downing Street in 1965,
pump installed in 1966, Free Street Well #3, 88' 8" deep, was
constructed adjacent to Free Street Well #1 in 1967, the pump was
installed in 1998. Testing and approval by the Department of
Public Health was not required as this well was in same well field as
Free Street Well #1. Free Street #1 has been abandoned since late
in the 1960's; it has been filled and capped. The land around this
well is leased for a 99 year term at no cost other than payment of
real estate taxes. A 24" diameter well 86' deep, Free Street #4
was completed in December, 1982, and Department of Environmental
approval was given in 2008. Free Street Well #5 is a 16" diameter well which was
constructed in 2001 as a satellite well to Free Street Well #3. All sources are
sampled in accordance with state and federal regulations. All sources are
currently in compliance with those regulations.

SUPPLY INFORMATION - Millbury

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

Water is supplies from four wells all owned by the Company. All are approved public drinking water sources according to Massachusetts DEP.

2. Watersheds owned by the Company

Location	Area	When Bought	Cost
A. Parcel E & F - Howe Ave	8.50 acres	1909	Included on page 400
B. Parcel G, West of E & F - Howe Ave	29.29 acres	1910	
C. West of G - Howe Ave	3.18 acres	1913	

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.

Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.

SUPPLY INFORMATION - Oxford

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

The responent owns three gravel packed wells. All wells are approved for use as public water supply sources of the Massachusetts DEP.

2. Watersheds owned by the Company

Location	Area	When Bought	Cost
A. B. C. D.			

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.

Water registration for withdrawal of water issued by Commonwealth of Massachusetts in 1988 and renewed in 1998 and 2008.

SUPPLY INFORMATION - Continued - Hingham

4. Wells

Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A. Fulling Mill Well	40' x 19'	21' 8"	Covered	1903	
B. Free Street Well #2	24"	73"	Covered	1951	
C. Scotland Street Well	18"	45"	Covered	1955	
D. Dowing Street Well	24"	66' 6"	Covered	1966	Combined
E. Free Street Well #3	18'	88' 6"	Covered	1967	
F. Prospect St. Well	18"	58'	Covered	1971	
G. Free Street Well #4	24"	86'	Covered	1982	
H. Free Street Well #5	16"	68'3"	Covered	2001	$354,696
I. Free Street Well #2A	12"	80'	Covered	2007	$265,151
J. Fulling Mill Well #1	12"	48'	Covered	2008	$244,244
K. Fulling Mill Well #2	12"	42'	Covered	2008	$222,268
L. Scotland St. Well #1A	18"	58'	Covered	2008	$348,459

5. Give a full and complete description of the wells

See attached sheet

6. Reservoirs

Location	Area at Surface When Full	Full Capacity in Gallons		When Built	Cost
A. Accord Pond	100 Acres	247,000,000			
B. Fulling Mill Pond	14 acres	23,109,000			
C. Fulling Mill Basin	Undetermined				

7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottons 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.

Accord Pond is a natural lake. At natural outlet an embankment was built with concrete core walls. Fulling Mill is an artificial pond with an earth embankment with concrete core walls. Accord Pond provides water to the Hingham/Hull District Water Treatment Facility. The seven basins at Fulling Mill Pump Station are natural depressions from which trees have been cut. These basins feed into underground strata supplying the Fulling Mill Well. This source is then pumped to the Hingham/Hull Distrcit Water Treatment Facility for treatment.

5. Give a full and complete description of the wells

(A) Inside walls 6' from bottom are built of stone laid dry. From that point upwards, the wall is dome shaped made of concrete with suitable opening on top. The water from the well is pumped by the Fulling Mill Station.

(B) Drilled in 1951, well pump installed in 1952. 30' of 24" stainless steel screen, 43' of 24" transite solid casing, gravel packed and concrete sealed. In 1995, replaced, well pump and redeveloped this well. The casing was lined with steel pipe in 1999. Redeveloped in 2005 and 2015.

(C) Drilled in 1955, well pump installed in 1956. 30' of solid steel casing, 15' of 24" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1978; casing reduced from 24" to 18" with 15' of 18" stainless steel screen. Redeveloped in 1987, 1998 and 2014.

(D) Drilled in 1965, well pump installed in 1966. 55' of 6" of solid steel casing, 10' of 24" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1988.

(E) Drilled in 1967, well pump installed in 1968. 78' of solid steel casing, 10' of 8" stainless steel screen, gravel packed and concrete sealed. Redeveloped in 1988 and 2015.

(F) Drilled well in 1971, well pump installed in 1998. 48' of solid steel casing, 10' of 18" stainless steel screen, gravel packed and concrete sealed. Redeveloped 2015.

(G) Well drilled in 1981, pump installed in 1982. 66' of 24" solid steel casing, 20' of 24" variable slot stainless steel screen, gravel packed and concrete sealed. Redeveloped in 2003 and 2015.

(H) Well drilled in 2001 pump installed in July 2001. 80' of 16" steel casing, 15' of 10" stainless steel screen, gravel packed and concrete sealed. Redeveloped 2015.

(I) Replacement/satellite well drilled in 2007 pump installed December 2007. 80' of 18" steel casing, 18' of 12" stainless steel screen, gravel packed. Includes a meter vault. Redeveloped 2014.

(J) Replacement/satellite well drilled in 2008 pump installed June 2008. 48' of 18" steel casing, 8' of 12" stainless steel screen, gravel packed. Includes a meter vault. Redeveloped 2015.

(K) Replacement/satellite well drilled in 2008 pump installed June 2008. 42' of 18" steel casing, 18' of 12" stainless steel screen, gravel packed. Includes a meter vault. Redeveloped 2015.

(L) Replacement/satellite well drilled in 2008 pump installed May 2008. 42' of 24" steel casing, 12' of 18" stainless steel screen, gravel packed. Includes a meter vault. Redeveloped in 2014.

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

SUPPLY INFORMATION - Continued - Millbury

4. Wells

Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A. Millbury Avenue	25'	36'20"	Covered	1984	
B. Oak pond Avenue	24"	30'	Covered	1958	$5,255
C. Jacques Well Station #2	24"	70'	Covered	1965	$32,389
D. Jacques Well Station #1	24"	53'	Covered	1966	$11,681
E. Jacques WTF	30' x 66 '		Covered	2005	$1,517,819

5. Give a full and complete description of the wells

6. Reserviors

Location	Area at Surface When Full	Full Capacity in Gallons	When Built	Cost
A.				
B.				
C.				
D.				
E.				
F.				

7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottons 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.

(A.) Hand dug in 1884 lined with fieldstone 35' deep

(B.) 18" diameter 31' deep 8" stainless steel screen redeveloped 2014, installed 1958

(C.) 24" diameter 72' deep 10" stainless steel screen installed 1965 gravel packed, redeveloped 2011

(D.) 24" diameter 63' deep 10' stainless steel screen gravel packed, installed 1966

(E.) 2- 24" diameter 65' deep 8" stainless steel screen gravel packed, installed 1966.

SUPPLY INFORMATION - Continued - Oxford

4. Wells

Location	Inside Dimensions	Depth Below High Water	Covered or Uncovered	When Built	Cost
A. Oxford, MA	24"	65'	Covered	1950-59	$53,994
B. Oxford, MA	24"	67'	Covered	1950-59	$50,128
C. Oxford, MA	24"	66'	Covered	1961	$20,383
D. Oxford, MA	12"	66'	Covered	2007	$269,981

5. Give a full and complete description of the wells

Three 24" diameter gravel packed wells, one with tansite casting and two stainless steel castings.

6. Reservoirs

Location	Area at Surface When Full	Full Capacity in Gallons	When Built	Cost
A.				
B.				
C.				
D.				
E.				
F.				

7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottons 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.

(A.) #1 N Main drilled 1950 16" diameter 63' deep 10' stainless steel screen, gravel packed

(B.) #2 N Main drilled 1959 24" diameter 67' deep 10' stainless steel screen, gravel packed

(C.) #3 Nelson Street drilled 1960 24" diameter 63' deep 15' stainless steel screen, gravel packed, redeveloped 2011

(D) 1A N Main drilled 2007 12" diameter 71' deep 10' stainless steel screen gravel packed

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Hingham

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

Respondent owns twelve wells/ pump stations. Water is pumped from Fulling Mill Station, Fulling Mill Well #1, Fulling Mill Well #2, Free St. Well #2, Free St. Well #2A, Free St. Well #3 & #5, Free St. Well #4, Scotland St. Well, Scotland St. #1A, Prospect St.,, and Accord Pond to the Hingham/Hull District Water Treatment Facility for treatment. Water from the Downing St. Well is pumped directly to the distribution system after treatment. An abandoned booster station in Hull, MA was refurbished and placed in service in 1998.

2. BOILER

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	Fulling Mill #1	Hor Cent	Fairbanks-Morse	2015	*
B	Fulling Mill #2	Hor Cent	Fairbanks-Morse	2008	*
C	Free Street Well #2	Vert Turb	Bryon Jackson	1999	*
D	Scotland Street Well	Vert Turb	Goulds	2014	*
E	Downing Street Well	Vert Turb	Bryon Jackson	1996	*
F	Free Street Well #3	Vert Turb	Grundfos	2015	*
G	Prospect Street Well	Vert Turb	Goulds	2015	*
H	Free Street Well #4	Submersible	Goulds	2003	*
I	Beacon Road Booster	Hor Cent	Aurora	1999	*
J	Accord #3	Hor Cent	Fairbanks-Morse	2015	*
K	Accord #4	Hor Cent	Fairbanks-Morse	2015	*
L	Accord #5	Hor Cent	Fairbanks-Morse	2015	*
M	Beacon Road, Hull	Hor Cent	Aurora	1998	*
N	Free Street #5	Submersible	Grundfos	2015	*
O	Free Street #2A	Submersible	Goulds	2014	*
P	Fulling Mill Well #1	Submersible	Goulds	2008	*
Q	Fulling Mill Well #2	Submersible	Goulds	2008	*
R	Scotland St. Well #1A	Submersible	Goulds	2015	*
S	Baker Hill Booster #1	Hor Cent	Aurora	2006	*
T	Baker Hill Booster #2	Hor Cent	Aurora	2006	*
U	Baker Hill Booster #3	Hor Cent	Aurora	2006	*
V	Baker Hill Booster #4	Hor Cent	Aurora	2006	*
W	Baker Hill Booster #5	Hor Cent	Aurora	2006	*

	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE**	DIAM. OF PISTONS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A		Double Suction	1,180 RPM	5"	N/A	Electric	1,440,000
B		Double Suction	1,180 RPM	5"	N/A	Electric	381,600
C		3 stage	1,770 RPM	13" Disc	N/A	Electric	2,016,000
D		1 stage	1,770 RPM	8"	N/A	Electric/Gas	1,008,000
E		7 stage	1,750 RPM	6"	N/A	Electric/Gas	829,440
F		7 stage	1,770 RPM	5"	N/A	Electric/Gas	216,000
G		1 stage	1,770 RPM	6"	N/A	Electric	504,000
H		2 stage	3,600 RPM	8"	N/A	Electric	864,000
I		1 stage	3,600 RPM	4"	N/A	Electric	1,008,000
J		2 stage	1,770 RPM	6"	N/A	Electric	2,016,000
K		2 stage	1,185 RPM	5"	N/A	Electric	1,008,000
L		2 stage	1,185 RPM	6"	N/A	Electric	2,016,000
M		1 stage	1,800 RPM	6"	N/A	Electric	1,008,000
N		1 stage	3,450 RPM	4"	N/A	Electric	432,000
O		3 stage	3,600 RPM	12"	N/A	Electric	1,804,320
P		2 stage	3,600 RPM	12"	N/A	Electric	2,880,000
Q		2 stage	3,600 RPM	12"	N/A	Electric	2,880,000
R		1 stage	3,600 RPM	12"	N/A	Electric	1,080,000
S		1 stage	3,500 RPM	2"	N/A	Electric	86,400
T		1 stage	3,500 RPM	2"	N/A	Electric	86,400
U		1 stage	3,500 RPM	3"	N/A	Electric	216,000
V		1 stage	3,500 RPM	3"	N/A	Electric	216,000
W		1 stage	1,800 RPM	8"	N/A	Electric	1,728,000

* Cost of pump separately unavailable

**Diameter of impeller

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Pumping Information - Millbury

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

Water is supplied from four wells all owned by the company. All are approved public drinking water sources according to the Massachusetts DEP.

2. BOILER

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	Millbury Avenue	Turbine	Floway	2003	
B	Millbury Avenue	Turbine	Floway	2003	
C	Millbury Avenue	Turbine	Floway	2003	
D	Millbury Avenue	Turbine	Floway	2003	
E	Oak Pond	Turbine	Goulds	2008	
F	North Main Street Well #2	Turbine	Goulds	2004	
G	North Main Street Well #1	Turbine	Goulds	2004	
H	Sutton Road Booster	Cent	EFI	1993	
I	Millbury Avenue	Turbine	Floway	2003	
J	Millbury Avenue	Turbine	Floway	2003	
K	Brierly Pond	Cent	PENTAIR	2003	
L	Brierly Pond	Cent	PENTAIR	2003	
M	Brierly Pond	Cent	PENTAIR	2003	
N	Brierly Pond	Cent	PENTAIR	2003	
O	Brierly Pond	Cent	PENTAIR	2003	

	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE	DIAM. OF PISTINS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A			1,790 RPM	Turbine		Electric Motor	1,296,000
B			1,790 RPM	Turbine		Electric Motor	1,296,000
C			1,790 RPM	Turbine		Electric Motor	1,296,000
D			1,180 RPM	Turbine		Electric Motor	1,296,000
E			1,760 RPM	Turbine		Electric Motor	864,000
F			1,760 RPM	Turbine		Electric Motor	457,920
G			1,750 RPM	Turbine		Electric Motor	835,200
H			3,450 RPM	Cent		Electric Motor	864,000
I			1,785 RPM	Turbine		Electric Motor	1,584,000
J			1,785 RPM	Turbine		Electric Motor	1,584,000
K			3,500 RPM	Cent		Electric Motor	1,440,000
L			1,750 RPM	Cent		Electric Motor	172,800
M			1,750 RPM	Cent		Electric Motor	172,800
N			3,500 RPM	Cent		Electric Motor	86,400
O			3,500 RPM	Cent		Electric Motor	86,400

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Pumping Information - Oxford

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

Water is pumped from company owned pump stations into distribution system containing a standpipe which floats on the system.

2. BOILER

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	North Main Street #1	Turbine	Bryon Jackson	1959	
B	North Main Street #2	Turbine	Deming	1959	
C	Nelson Street #3	Turbine	Goulds	2005	
D	Sutton Ave. Booster	Turbine	G & L Goulds	1999	
E	Sutton Ave. Booster	Turbine	G & L Goulds	1999	
F	North Main Street #1A	Submersible	Goulds	2007	

	NUMBER OF CYLS.	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE	DIAM. OF PISTINS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER 24 HOURS
A		Turbine	1,750 RPM			LP. Gen	432,000
B		Turbine	1,750 RPM			LP. Gen	576,000
C		Turbine	1,750 RPM			Kohler L.P. Gen	1,152,000
D		Turbine	3,500 RPM			Electric Motor	72,000
E		Turbine	3,500 RPM			Electric Motor	72,000
F		Submersible	3,500 RPM			Electric Motor	432,000

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Hingham

6. Gas Producers

This schedule not presently used

7. Internal combustion engines

	Location		Name of Builder	When Installed	Type of Drive	Cost
A	Scotland Street		Continental	1956	Gear Dr	*
B	Downing Street		Continental	1966	Gear Dr	*
C	Free Street Well #3		Allis Chalmers	1968 1969	Gear Dr	*

				Dimensions of Cylinders			
	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Diameter	Stroke	2 or 4 Stroke Cycle	Rated H.P.
A	L.P. Gas	6	Single	4	4 13/16	4	75
B	Natural Gas	6	Single	3 5/16	4 3/8	4	46 1/2
C	Natural Gas	6	Single	3 7/8	4 1/2	4	64

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITHCES

	Location	Name of Builder	When Installed	Cost
A	Fulling Mill #1	U.S. Electric	1996	*
B	Fulling Mill #2	U.S. Electric	1996	*
C	Free Street Well #2	U.S. Electric	1952	*
D	Scotland Street Well	U.S. Motors	1998	*
E	Downing Street Well	U.S. Electric	1966	*
F	Free Street Well #3	U.S. Electric	1998	*
G	Free Street Well #2	General Electric	1969	*
H	Prospect Street	U.S. Electric	1998	*
I	Free Street Well #4	U.S. Electric	1968	*
J	Accord #3	U.S. Electric	1996	*
K	Accord #4	U.S. Electric	1996	*
L	Accord #5	U.S. Electric	1996	*
M	Beacon Road, Hull	U.S. Motor	1998	*
N	Free Street Well #5	Franklin	2001	*
O	Free Street Well#2A	Centripro	2007	*
P	Fulling Mill Well#1	Centripro	2008	*
Q	Fulling Mill Well #2	Centripro	2008	*
R	Scotland Street #1A	Centripro	2008	*
S	Baker Hill Booster #1	Aurora	2006	*
T	Baker Hill Booster #2	Aurora	2006	*
U	Baker Hill Booster #3	Aurora	2006	*
V	Baker Hill Booster #4	Aurora	2006	*
W	Baker Hill Booster #5	Aurora	2006	

	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	460	Direct	15
B	A.C. 3 Phase	460	Direct	15
C	A.C. 3 Phase	480	Direct	100
D	A.C. 3 Phase	220/440	Direct	25
E	A.C. 3 Phase	220/440	Direct	40
F	A.C. 3 Phase	230/460	Direct	60
G	A.C. 3 Phase	460	Direct	25
H	A.C. 3 Phase	230/460	Direct	20
I	A.C. 3 Phase	460	Direct	25
J	A.C. 3 Phase	460	Direct	40
K	A.C. 3 Phase	460	Direct	50
L	A.C. 3 Phase	460	Direct	75
M	A.C. 3 Phase	240	Direct	20
N	A.C. 3 Phase	460	Direct	5
O	A.C. 3 Phase	460	Direct	175
P	A.C. 3 Phase	460	Direct	15
Q	A.C. 3 Phase	460	Direct	15
R	A.C. 3 Phase	460	Direct	20
S	A.C. 3 Phase	480	Direct	5
T	A.C. 3 Phase	480	Direct	5
U	A.C. 3 Phase	480	Direct	8
V	A.C. 3 Phase	480	Direct	8
W	A.C. 3 Phase	480	Direct	50
			Total Horse Power	815

* Cost of motor separately unavailable

Pumping Information - Continued Millbury

6. Gas Producers

This schedule not presently used

7. Internal combustion engines.

	Location	Name of Builder	When Installed	Type of Drive	Cost
A	Jacques Well Station #1	Kohler	2010	Generator	
B	Jacques Well Station #2	Kohler	2006	Generator	
C	Oak Pond Well	Cummings	1988	Generator	
D	Sutton Road Booster	Kohler	1994	Generator	
E	Brierly Pond Booster	Generac	2003	Generator	

	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	Fuel Oil	4	Single	4.19	5	4	158
B	Fuel Oil	6	Single	4	4 3/8	4	125
C	L.P. Gas	6	Double	5 1/4	15-24 centimeter	4	175
D	L.P. Gas	4	Single	4	5	4	150
E	Gas	8	Double	5 1/4	5	4	175

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITHCES

	Location	Name of Builder	When Installed	Cost
A	Jacques Well Station #1	U.S. Electric	2005	
B	Jacques Well Station #2	U.S. Electric	2005	
C	Oak Pond	U.S. Electric	2008	
D	Sutton Rd. Booster	EFI	1993	
E	Brierly Pond Booster	U.S. Electric	2003	
F	Brierly Pond Booster	U.S. Electric	2003	
G	Brierly Pond Booster	U.S. Electric	2003	
H	Brierly Pond Booster	U.S. Electric	2003	
I	Brierly Pond Booster	U.S. Electric	2003	

	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	230/460	Direct	60
B	A.C. 3 Phase	230/460	Direct	60
C	A.C. 3 Phase	230/460	Direct	100
D	A.C. 3 Phase	230/460	Direct	60
E	A.C. 3 Phase	230/460	Direct	40
F	A.C. 3 Phase	230/460	Direct	10
G	A.C. 3 Phase	230/460	Direct	10
H	A.C. 3 Phase	230/460	Direct	5
I	A.C. 3 Phase	230/460	Direct	5
			Total Horse Power	350

Pumping Information - Continued Oxford

6. Gas Producers

This schedule not presently used

7. Internal combustion engines.

	Location	Name of Builder	When Installed	Type of Drive	Cost
A	#1 North Main Street	Koehler	2012	Generator	
B	#2 North Main Street	Koehler	2012	Generator	
C	#3 Nelson Street	Koehler	2005	Generator	
D	Sutton Ave.	Koehler	2000	Generator	

				Dimensions of Cylinders			
	For Gas, Gasoline or Oil	Number of Cyls.	Single or Double Acting	Diameter	Stroke	2 or 4 Stroke Cycle	Rated H.P.
A	Diesel	4	Double	4.19	5	4	197
B	Diesel	4	Double	4.19	5	4	197
C	L.P. Gas	8	Single	4	4 3/8	4	125
D	L.P. Gas	6	Single	4	3.98	4	82

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITHCES

	Location	Name of Builder	When Installed	Cost
A	#1 North Main Street	U.S. Motors	1990	
B	#2 North Main Street	U.S. Motors	1990	
C	#3 Nelson Street	U.S. Motors	2005	
D	Sutton Ave. Booster	Baldor	1999	
E	#1A North Main Street	Franklin	2007	

	A.C. or D.C. if A.C. Give Phase	Volts	Type of Drive	Rated H.P.
A	A.C. 3 Phase	575	Direct	60
B	A.C. 3 Phase	575	Direct	60
C	A.C. 3 Phase	480	Direct	100
D	A.C. 3 Phase	230/460	Direct	5
E	A.C. 3 Phase	575	Direct	60
			Total Horse Power	285

Pumping Information - Continued. - Hingham

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.	NONE			
B.				
C.				
D.				

	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	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. - Millbury

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.	NONE			
B.				
C.				
D.				

	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	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. - Oxford

9. Water Wheels and Turbines

	Location	Name of Builder	When Installed	Cost
A.				
B.	NONE			
C.				
D.				

	Type of Machine	Diam. of Runner	Working Head	Speed	Type of Driver	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

407 Hingham

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Pumping Information - Continued Hingham

11. Station log System Delivery Summary - Hingham/Hull District Water Treatment Facility Only

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	125,300		79.153	744		
February	131,250		75.182	672		
March	119,700		81.833	744		
April	148,050		75.891	720		
May	129,150		114.893	744		
June	160,650		120.275	720		
July	202,300		131.645	744		
August	186,200		131.470	744		
September	153,650		122.405	720		
October	148,050		91.154	744		
November	126,350		78.170	720		
December	120,750		80.980	744		
Totals	1,751,400	0	1,183.051	8,760	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 3.241 MG (365 days)

14. Maximum gallons pumped in a day 5.302 MG

15. Date of same, 13-Jun-15

16. Range of pressure in main 45-95 psi

17. Average pressure in main 82 psi

408	System Delivery Summary - Hingham/Hull District Water Treatment Facility Only	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.15	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	1,751,400	

Pumping Information - Continued Hingham

11. Station log **Accord Pond to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	6,800		24.856	744		
February	4,942		33.900	672		
March	5,681		22.929	744		
April	4,963		19.811	540		
May	1,582		49.539	688		
June	6,751		41.551	720		
July	7,338		36.511	726		
August	8,772		36.239	744		
September	6,702		32.793	720		
October	5,661		20.677	744		
November	1,513		0.050	2		
December	1,870		0.023	1		
Totals	62,575	0	318.879	7,045	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.874 MG (365days)

14. Maximum gallons pumped in a day 2.415 MG

15. Date of same, 30-May-15

16. Range of pressure in main 5-10 psi

17. Average pressure in main 10 psi

408	Accord Pond to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.16	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	62,575	

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Pumping Information - Continued Hingham

11. Station log **Fulling Mill Well 1 to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	18,866		7.135	744		
February	19,777		7.432	744		
March	12,860		5.777	512		
April	11,966		3.932	576		
May	13,385		7.076	744		
June	16,464		6.360	696		
July	18,285		7.763	726		
August	18,149		7.429	744		
September	15,808		6.319	696		
October	13,665		7.150	696		
November	17,381		6.158	720		
December	13,780		5.269	744		
Totals	190,386	0	77.800	8,342	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.213 MG (365 days)

14. Maximum gallons pumped in a day 0.541 MG

15. Date of same, 13-Oct-15

16. Range of pressure in main 35-45 psi

17. Average pressure in main 40 psi

408	Fulling Mill Well 1 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.15	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	190,386	

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Pumping Information - Continued Hingham

11. Station log **Fulling Mill Well 2 to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January			1.668	456		
February			2.817	672		
March			1.276	432		
April			2.936	384		
May			4.876	744		
June			3.787	648		
July			4.178	720		
August			4.402	672		
September			3.324	648		
October			0.929	360		
November			3.147	576		
December			0.846	240		
Totals	0	0	34.186	6,552	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.094 MG (365 days)

14. Maximum gallons pumped in a day 0.283 MG

15. Date of same, 12-Nov-15

16. Range of pressure in main 35-45 psi

17. Average pressure in main 40 psi

Pumping Information - Continued Hingham

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	see Fulling Mill 1 meter
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	see Fulling Mill 1 meter

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Pumping Information - Continued Hingham

11. Station log **Fulling Mill Cistern to Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	0		0.000	0		
February	0		0.000	0		
March	0		0.000	0		
April	0		0.000	0		
May	0		0.009	4		
June	0		1.308	168		
July	0		0.539	96		
August	0		0.343	120		
September	0		1.477	168		
October	0		0.000	0		
November	0		0.000	0		
December	0		0.000	0		
Totals	0	0	3.676	556	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.010 MG (365 days)

14. Maximum gallons pumped in a day 0.531 MG

15. Date of same, 15-Jun-15

16. Range of pressure in main 35-45 psi

17. Average pressure in main 40 psi

Pumping Information - Continued Hingham

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	see Fulling Mill 1 meter
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	see Fulling Mill 1 meter

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Pumping Information - Continued Hingham

11. Station log **Scotland St to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	7,817		5.970	576		
February	5,745		0.000	0		
March	9,089		4.544	744		
April	7,132		3.460	504		
May	3,498		13.408	600		
June	10,779		18.789	720		
July	8,295		15.538	744		
August	8,696		17.317	744		
September	9,623		16.242	720		
October	6,242		15.110	744		
November	9,402		17.737	720		
December	9,900		17.670	744		
Totals	96,218	0	145.785	7,560	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.399 MG (365 days)

14. Maximum gallons pumped in a day 0.805 MG

15. Date of same, 25-May-15

16. Range of pressure in main 5-10 psi

17. Average pressure in main 8 psi

408	Scotland St to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.16	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	96,218	

Pumping Information - Continued Hingham

11. Station log **Scotland St 1A to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January			6.145	744		
February			6.188	648		
March			5.748	744		
April			0.197	72		
May			4.875	624		
June			3.520	648		
July			3.385	600		
August			3.240	624		
September			4.048	648		
October			1.921	456		
November			5.807	720		
December			5.746	744		
Totals	0	0	50.820	7,272	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.139 MG (365 days)

14. Maximum gallons pumped in a day 0.377 MG

15. Date of same, 7-May-15

16. Range of pressure in main 5-10 psi

17. Average pressure in main 8 psi

408	Scotland St 1A to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	See Scotland Street Meter	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	See Scotland Street Meter	

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Hingham

11. Station log **Downing Street Well**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	2,809		0.000	0		
February	2,049		0.000	0		
March	3,121		0.000	0		
April	1,813		0.000	0		
May	547		0.000	0		
June	306		0.000	0		
July	130		0.000	0		
August	106		0.000	0		
September	100		0.000	0		
October	626		0.000	0		
November	819		0.000	0		
December	974		0.000	0		
Totals	13,400	0	0.000	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.000 MG (365 days)

14. Maximum gallons pumped in a day 0 MG

15. Date of same,

16. Range of pressure in main 80-95 psi

17. Average pressure in main 82 psi

408	Downing Street Well	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.16	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	13,400	

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Hingham

11. Station log **Prospect Street to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	6,325		7.225	744		
February	3,776		6.798	672		
March	4,456		7.393	744		
April	7,800		8.028	720		
May	2,938		2.505	264		
June	1,173		6.112	528		
July	3,614		8.681	744		
August	3,250		7.787	744		
September	2,486		6.733	720		
October	2,332		6.125	744		
November	2,321		6.564	720		
December	2,842		7.162	744		
Totals	43,313	0	81.113	8,088	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.222 MG (365 days)

14. Maximum gallons pumped in a day 0.395

15. Date of same, 23-Jun-15

16. Range of pressure in main 5-10 psi

17. Average pressure in main 10 psi

408	Prospect Street to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.16	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	43,313	

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Pumping Information - Continued Hingham

11. Station log **Free Street #2 to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January			0.000	0		
February			0.000	0		
March			0.000	0		
April			0.000	0		
May			2.651	336		
June			0.222	96		
July			0.000	0		
August			0.696	120		
September			2.817	144		
October			0.000	0		
November			0.170	48		
December			0.004	24		
Totals	0	0	6.560	768	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.018 MG (365 days)

14. Maximum gallons pumped in a day 0.622

15. Date of same, 12-Sep-15

16. Range of pressure in main 50-60 psi

17. Average pressure in main 55 psi

Pumping Information - Continued Hingham

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	See Free Street 2A
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	See Free Street 2A

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Hingham

11. Station log **Free Street #3 & #5 to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	34,440		1.875	144		
February	28,960		0.000	0		
March	1,000		0.000	0		
April	15,920		0.000	0		
May	28,040		1.910	192		
June	41,240		3.451	480		
July	41,800		2.704	528		
August	45,800		6.760	648		
September	43,360		5.550	576		
October	24,080		0.207	144		
November	27,360		11.760	672		
December	36,840		11.244	744		
Totals	368,840	0	45.461	4,128	0	0

Free St #3,4,5 uses same electric meter

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.125 MG (365 days)

14. Maximum gallons pumped in a day 0.347 MG

15. Date of same, 16-Nov-15

16. Range of pressure in main 50 -60 psi

17. Average pressure in main 55 psi

408	Free Street #3 & #5 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
	Pumping Information - Continued Hingham	
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.13	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	368,840	

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Hingham

11. Station log **Free Street #2A to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	13,440		23.496	648		
February	18,060		28.986	672		
March	23,310		32.357	744		
April	24,990		26.256	720		
May	30,030		28.489	744		
June	35,490		25.679	720		
July	37,380		29.014	744		
August	39,900		27.706	672		
September	30,030		35.853	600		
October	31,920		34.146	744		
November	18,480		7.937	408		
December	20,370		11.520	744		
Totals	323,400	0	311.439	8,160	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.853 MG (365 days)

14. Maximum gallons pumped in a day 1.682 MG

15. Date of same, 9-Oct-15

16. Range of pressure in main 50-60 psi

17. Average pressure in main 55 psi

408	Free Street #2A to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued		Hingham
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.16	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	323,400	

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Pumping Information - Continued Hingham

11. Station log **Free Street #4 to Water Treatment Facility**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January			3.730	144		
February			0.000	0		
March			0.699	48		
April			17.362	672		
May			20.922	744		
June			19.414	696		
July			22.786	744		
August			22.014	744		
September			20.220	720		
October			13.044	744		
November			14.359	720		
December			16.648	744		
Totals	0	0	171.198	6,720	0	0

Free St #3,4,5 uses same electric meter

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.469 MG (365 days)

14. Maximum gallons pumped in a day 1.424 MG

15. Date of same, 10-Jul-15

16. Range of pressure in main 50 -60 psi

17. Average pressure in main 55 psi

408	Free Street #4 to Water Treatment Facility	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Hingham		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	See Free St.#3&5	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	See Free St.#3&5	

Pumping Information - Continued Millbury

11. Station Log **Total System**

Year and Month 2015	Kwhrs Used	Purchased Water (MG)	Million Gallons of Water Pumped	Hours of Pumping	Total System (MG) Includes Purchased Wtr	Average Total Static Head	Average Total Dynamic Head
January	111,360	0.068	46.908	1,555	46.976		
February	89,160	0.008	39.953	1,415	39.961		
March	81,760	0.000	42.820	1,481	42.820		
April	94,640	0.000	47.113	1,624	47.113		
May	93,480	0.105	55.356	1,980	55.461		
June	104,260	0.038	51.431	2,105	51.469		
July	107,520	0.030	56.653	2,093	56.683		
August	82,400	1.418	43.383	1,448	44.801		
September	60,340	2.048	34.673	1,208	36.721		
October	59,580	1.425	36.634	1,256	38.059		
November	76,380	0.540	42.184	1,456	42.724		
December	82,230	0.555	41.268	1,455	41.823		
Totals	1,043,110	6.235	538.376	19,076	544.611	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 1.492 MG (365 days)

14. Maximum gallons pumped in a day 2.296 MG

15. Date of same, 19-Jul-15

16. Range of pressure in main 21 to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.17
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	1,043,110 Kwhrs

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Millbury

11. Station Log **Millbury Ave. Station**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	42,100		15.648	474		
February	18,700		7.813	213		
March	17,200		9.178	229		
April	22,100		11.114	272		
May	28,900		16.931	415		
June	24,500		8.890	219		
July	26,700		14.450	355		
August	21,900		7.006	168		
September	4,400		1.073	28		
October	3,400		2.770	73		
November	17,500		7.677	201		
December	19,600		6.887	172		
Totals	247,000	0	109.437	2,819	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.300 MG (365 days)

14. Maximum gallons pumped in a day 1.123 MG

15. Date of same, 20-May-15

16. Range of pressure in main 21 to 125 lbs

17. Average pressure in main 73 lbs per sq in

408	Millbury Ave. Station	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Millbury		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.18	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	247,000	

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Millbury

11. Station Log **Oak Pond Station**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	16,160		6.894	334		
February	22,560		10.413	523		
March	16,960		9.752	499		
April	21,440		12.746	626		
May	21,280		14.757	706		
June	19,360		9.366	451		
July	16,320		13.324	657		
August	20,000		10.666	534		
September	13,440		8.676	455		
October	12,480		8.399	434		
November	17,280		9.804	525		
December	17,280		9.238	517		
Totals	214,560	0	124.035	6,261	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.340 MG (365 days)

14. Maximum gallons pumped in a day 0.628 MG

15. Date of same, 26-Jul-15

16. Range of pressure in main 21 to 125 lbs

17. Average pressure in main 73 lbs per sq in

408	Oak Pond Station	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Millbury		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.17	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	214,560	

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Millbury

11. Station Log **Jacques #1 N. Main St. Station**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	50,700		24.366	747		
February	43,700		21.727	679		
March	43,650		23.890	753		
April	48,150		23.253	726		
May	41,950		21.051	673		
June	36,650		21.991	718		
July	40,050		23.486	746		
August	39,400		25.711	746		
September	41,000		24.765	720		
October	42,350		25.410	747		
November	39,500		24.703	730		
December	42,650		24.987	747		
Totals	509,750	0	285.340	8,732	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.782 MG (365 days)

14. Maximum gallons pumped in a day 1.02 MG

15. Date of same, 22-Oct-15

16. Range of pressure in main 21 to 125 lbs

17. Average pressure in main 73 lbs per sq in

18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$	0.16
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year		509,750

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Millbury

11. Station Log **Jacques #2 N. Main St. Station**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	2,400		0.000	0		
February	4,200		0.000	0		
March	3,950		0.000	0		
April	2,950		0.000	0		
May	1,350		2.617	186		
June	23,750		11.184	717		
July	24,450		5.393	335		
August	1,100		0.000	0		
September	1,500		0.159	5		
October	1,350		0.055	2		
November	2,100		0.000	0		
December	2,700		0.156	19		
Totals	71,800	0	19.564	1,264	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.054 MG (365 days)

14. Maximum gallons pumped in a day 0.54 MG

15. Date of same, 7-Jul-15

16. Range of pressure in main 21 to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$	0.20
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year		71,800

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Pumping Information - Continued Oxford

11. Station Log **Total System**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	42,560		16.892	944		
February	38,440		16.128	905		
March	41,240		17.696	1,005		
April	44,480		17.783	991		
May	39,080		26.073	1,395		
June	57,640		23.602	1,261		
July	45,760		24.315	1,310		
August	46,960		24.720	1,348		
September	51,480		23.159	1,278		
October	41,400		19.080	1,082		
November	33,400		15.144	881		
December	34,200		15.711	927		
Totals	516,640	0	240.303	13,327	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.658 MG (365 days)

14. Maximum gallons pumped in a day 1.235 MG

15. Date of same, 25-May-15

16. Range of pressure in main 48 to 112 lbs

17. Average pressure in main 80 lbs per sq in

408	Total System	
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2015
Pumping Information - Continued Oxford		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.17	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	516,640	Kwhrs

Pumping Information - Continued Oxford

11. Station Log **North Main St. Well #1**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	13,600		0.000	0		
February	12,200		0.000	0		
March	15,000		0.000	0		
April	15,200		0.000	0		
May	14,600		0.000	0		
June	29,000		0.000	0		
July	20,800		0.146	9		
August	22,000		0.018	2		
September	23,000		0.020	1		
October	16,600		0.000	0		
November	9,400		0.000	0		
December	7,800		0.038	1		
Totals	199,200	0	0.222	13	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip___

13. Average gallons per day 0.001 MG (365 days)

14. Maximum gallons pumped in a day 0.085 MG

15. Date of same, 22-Jul-15

16. Range of pressure in main 48 to 112 lbs

17. Average pressure in main 80 lbs per sq in

408	North Main St. Well #1	
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2015
Pumping Information - Continued Oxford		

18. Kind of coal			
19. Average price per net ton, delivered			
20. Average price of wood per cord, delivered			
21. Average price per gas per M. cubic feet			
22. Average price per gasoline per gallon, delivered			
23. Average price of fuel oil per gallon, delivered			
24. Average price of electric power per Kwhr	$	0.18	
25. Wood consumed durind the year			
26. Gas consumed during the year			
27. Gasoline consumed during the year			
28. Fuel oil consumed during the year			
29. Electric Power used during the year		199,200	Kwhrs

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Oxford

11. Station Log **North Main St. Well #1A**

Year and Month 2014	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	0		0.000	0		
February	0		0.000	0		
March	0		0.000	0		
April	0		0.000	0		
May	0		1.227	107		
June	0		0.702	60		
July	0		0.515	46		
August	0		0.428	39		
September	0		0.447	42		
October	0		0.090	9		
November	0		0.066	7		
December	0		0.258	23		
Totals	(See station # 1 for totals)		3.733	333	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.010 MG (365 days)

14. Maximum gallons pumped in a day 0.234 MG

15. Date of same, 20-May-15

16. Range of pressure in main 48 to 112 lbs

17. Average pressure in main 80 lbs per sq in

Pumping Information - Continued Oxford

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	see station #1
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	see station #1

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

Pumping Information - Continued Oxford

11. Station Log **North Main St. Well #2**

Year and Month 2015	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Average Total Static Head	Average Total Dynamic Head
January	0		4.397	204		
February	0		4.805	226		
March	0		5.214	247		
April	0		5.666	272		
May	0		11.933	540		
June	0		10.392	475		
July	0		10.755	515		
August	0		11.324	554		
September	0		10.343	513		
October	0		6.461	325		
November	0		3.043	154		
December	0		2.960	153		
Totals	(See station # 1 for totals)		87.293	4,178	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip___

13. Average gallons per day 0.239 MG (365 days)

14. Maximum gallons pumped in a day 0.592 MG

15. Date of same, 25-May-15

16. Range of pressure in main 48 to 112 lbs

17. Average pressure in main 80 lbs per sq in

* One electric meter is used for 1, 1A & 2

408	North Main St. Well #2	
Annual report of Aquarion Water Company of Massachusetts		Year ended December 31, 2015
Pumping Information - Continued Oxford		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	see station #1	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	see station #1	

11. Station Log **Nelson St. #3**

Year and Month 2014	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping	Total Static Head	Average Total Dynamic Head
January	28,960		12.495	740		
February	26,240		11.323	679		
March	26,240		12.482	758		
April	29,280		12.117	719		
May	24,480		12.913	748		
June	28,640		12.508	726		
July	24,960		12.899	740		
August	24,960		12.950	753		
September	28,480		12.349	722		
October	24,800		12.529	748		
November	24,000		12.035	720		
December	26,400		12.455	750		
Totals	317,440	0	149.055	8,803	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip

13. Average gallons per day 0.408 MG (365 days)

14. Maximum gallons pumped in a day 0.524 MG

15. Date of same, 12-Jul-15

16. Range of pressure in main 48 to 112 lbs

17. Average pressure in main 80 lbs per sq in

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.16
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	317,440

409 Hingham

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

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
24"	Ductile		10,285				10,285
20"	Lock Joint		13,909				13,909
20"	Cast Iron		26,921				26,921
20"	Cast Iron Cement Lined		277				277
20"	Ductile		10,285				10,285
16"	Lock Joint		112				112
16"	Cast Iron		5,531				5,531
16"	Cast Iron Cement Lined		104				104
16"	Ductile		3,767				3,767
14"	Cast Iron		5,936				5,936
14"	Ductile		110				110
12"	Cast Iron		51,372				51,372
12"	Cast Iron Cement Lined		29,648				29,648
12"	Ductile		46,734				46,734
12"	Transite		12,602				12,602
10"	Cast Iron		11,459				11,459
8"	Cast Iron		40,519				40,519
8"	Cast Iron Cement Lined		114,469				114,469
8"	Ductile		174,155			585	174,740
8"	Transite		46,243		2,970		43,273
8"	Steel		70				70
8"	HDPE		0			1,620	1,620
6"	Cast Iron		117,279		585		116,694
6"	Cast Iron Cement Lined		74,764				74,764
6"	Ductile		13,075				13,075
6"	Transite		89,387		2,253		87,134
6"	HDPE		0			1,451	1,451
4"	Cast Iron		31,508				31,508
4"	Cast Iron Cement Lined		77				77
4"	Ductile		12,247				12,247
4"	Galvanized		256				256
4"	Plastic		500				500
3"	Cast Iron		1,323				1,323
3"	Galvanized		82				82
3"	Plastic		525				525
2 1/4"	Cast Iron Cement Lined		37,595				37,595
2"	Steel		400				400
2"	Galvanized		20,583		584		19,999
2"	Plastic		1,282				1,282
1 1/2 "	Galvanized		2,449				2,449
1 1/4"	Galvanized		802				802
1"	Plastic		0				0
1"	Copper		339				339
1"	Galvanized		3,831				3,831
3/4"	Galvanized		100				100
3/4"	Copper		49				49
		TOTALS	1,012,961	0	6,392	3,656	1,010,225

2. Cost of repairs per mile of pipe including valves $ 2,211.64

3. Number of leaks in mains, during the year 46

4. Number of leaks per mile 0.2400

5. Length of mains less than 4 inches in diamater 68,776 miles 13.03

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
16	Cast Iron		6,575				6,575
12	C. I. & Ductile		39,123				39,123
10	Cast Iron		17,691				17,691
8	C.I. & Ductile		119,394				119,394
6	C.I. & Ductile		66,760				66,760
4	Cast Iron		1,323				1,323
3	Cast Iron		935				935
2 1/4	Cast Iron		12,751				12,751
2	Cast Iron		3,605				3,605
8	Transite		1,497				1,497
6	Transite		3,609				3,609
2	Plastic		835				835
		TOTALS	274,098	0	0	0	274,098

2. Cost of repairs per mile of pipe including valves $ 1,824.40

3. Number of leaks in mains, during the year 20

4. Number of leaks per mile 0.3852

5. Length of mains less than 4 inches in diamater 18,126 miles 3.43

409 Oxford

Annual report of Aquarion Water Company of Massachusetts **Year ended December 31, 2015**

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
16	Ductile		1,291			2,037	3,328
12	C.I. & Ductile		29,153				29,153
10	C.I. & Ductile		1,674				1,674
8	C.I. & Ductile		82,690		2,079	783	81,394
6	C.I. & Ductile		55,473		94	142	55,521
3	C.I. & Ductile		200				200
2 1/4	C.I. & Ductile		3,665				3,665
2	C.I. & Ductile		11,413				11,413
8	Transite		6,259		741		5,518
6	Transite		22,506		84		22,422
4	Ductile		354				354
2	Plastic		31				31
		TOTALS	214,709	0	2,998	2,962	214,673

2. Cost of repairs per mile of pipe including valves $ 769.99

3. Number of leaks in mains, during the year 5

4. Number of leaks per mile 0.1230

5. Length of mains less than 4 inches in diamater 15,309 miles 2.90

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A	Turkey Hill	23	1963	$4,766
B	Accord Tank			
C	Accord Tank on land adjacent to Accord Pond - included there			

	Capacity in Gallons	When Bought	Cost
A	2,000,000	1963	$103,921
B	750,000	1967	$145,359
C			
	2,750,000		$249,280

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
3/4" - 10"	Copper-WI-Steel				
	Plastic Galv	10,300	36	36	10,300
3/4"	Plastic	0			0
3/4"	Copper	269			269
1"	Plastic	1,013			1,013
1"	Copper	829		11	840
2"	Plastic	235			235
4"	DICL	107		3	110
6"	DICL	111		1	112
8"	DICL	77		1	78
12"	DICL	2			2
	TOTALS	12,943	36	52	12,959

8. Average length of service pipe 25 feet

9. Average cost of service laid during the year $ 5,733

10. Percentage of services that are metered All except for fire services

11. Percentage in income that is metered

12. Leaks in service during the year 24

13. Are service pipes paid for by consumer, in whole or in part and by what extent? Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A	Burbank Hill	3.00 Acres	1895	
B				
C				
D				

	Inside Diameter	Capacity in Gallons	When Bought	Cost
A	130'	1,500,000	1895	$25,802
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
12	Cast Iron Ductile	1			1
10	Cast Iron	2			2
8	Cast Iron Ductile	22			22
6	Cast Iron Ductile	73			73
4	Cast Iron Ductile	54			54
3	Cast Iron	1			1
2 1/4	Cast Iron	7			7
2	Cast Iron	25			25
1 1/4	Cast Iron	0			0
1 1/2	Copper	0			0
3/4	Copper	1,479	3		1,476
3/4	Plastic	609			609
1	Copper	427		7	434
1	Plastic	504			504
1	Cement Lined	489			489
2	Plastic	29			29
2	Copper	2			2
	TOTALS	3,724	3	7	3,728

Also 11 residential services in the Town of Auburn that are included in the above totals

8. Average length of service pipe 27 feet

9. Average cost of service laid during the year $ 1,448

10. Percentage of services that are metered all except fire service

11. Percentage in income that is metered

12. Leaks in service during the year 3

13. Are service pipes paid for by consumer, in whole or in part and by what extent? Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A	N. Main St., Oxford , MA	1 Acre	1905	$319
B		13.4 Acres	1944	$438
C				
D				

	Inside Diameter	Capacity in Gallons	When Bought	
A	27	215,000	1905	
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
12	Cast Iron Ductile	1			1
8	Cast Iron Ductile	4			4
6	Cast Iron Ductile	28			28
2 1/4	Cast Iron	12	2		10
2	Galv Iron	0			0
1 1/2	Copper	0			0
1 1/4	Copper	0			0
1	Copper	264	1	19	282
3/4	Copper	1,480	12		1,468
2	Cast Iron	5			5
4	Cast Iron Ductile	6			6
3/4	Plastic	243	4		239
1	Plastic	552	2		550
2	Plastic	27		4	31
1	Galv Iron	18			18
	TOTALS	2,640	21	23	2,642

8. Average length of service pipe: 27 feet

9. Average cost of service laid during the year: $ 4,280

10. Percentage of services that are metered: all except fire service

11. Percentage in income that is metered:

12. Leaks in service during the year: 6

13. Are service pipes paid for by consumer, in whole or in part and by what extent? Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION - Continued

14. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
24	Butterfly Valves	17			17
20	Butterfly Valves	18			18
16	Butterfly Valves	8			8
14	Butterfly Valves	5			5
12	Butterfly Valves	19			19
12	Check Valve	1			1
20	Gate Valves	11			11
16	Gate Valves	11			11
14	Gate Valves	16			16
12	Gate Valves	306			306
10	Gate Valves	34			34
8	Gate Valves	931		10	941
6	Gate Valves	810	3	9	816
4	Gate Valves	209			209
3	Gate Valves	1			1
2 1/4 - 2 1/2	Gate Valves	86	1		85
2	Gate Valves	201	1	1	201
1 1/2	Gate Valves	9			9
1 1/4	Gate Valves	17			17
1	Gate Valves	271	1		270
3/4	Gate Valves	81	1		80
	Totals	3,062	7	20	3,075

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. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
16	Butterfly	0	1	2	1
16	Gate Valve	7	0	0	7
12	Gate Valve	71			71
10	Gate Valve	25			25
8	Gate Valve	247			247
6	Gate Valve	343			343
4	Gate Valve	3			3
3	Gate Valve	6			6
2 1/4	Gate Valve	31			31
2	Gate Valve	25			25
3/4	Gate Valve	2			2
	Totals	760	0	2	761

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. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
16	Butterfly	1		4	5
16	Gate Valve	0			0
12	Gate Valve	57			57
10	Gate Valve	3			3
8	Gate Valve	181	8	8	181
6	Gate Valve	295	7	7	295
2 1/2	Gate Valve	18			18
2	Gate Valve	11			11
1 1/4	Gate Valve	2			2
1	Gate Valve	8			8
4	Gate Valve	1			1
	Totals	577	15	19	581

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	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4 1/2		0			0
4 1/4		0			0
5		475	14		461
5 1/4		436		14	450
TOTALS		911	14	14	911

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Customer/Town Purchased & Installed
Town Owned

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
5		3			3
4 1/2		0			0
4 1/4		6			6
5		34			34
5 1/4		248		2	250
Metered		122			122
TOTALS		413	0	2	415

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer/Town Purchased & Installed

DISTRIBUTION INFORMATION - Continued

15. 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
4 1/2	2 - 2 1/2	27			27
5	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	57			57
4 1/4	2 - 2 1/2, 1- 4	65			65
4 1/2	2 - 2 1/2, 1- 4	61			61
4 3/4	2 - 2 1/2, 1- 4	8			8
4 1/4	2 - 2 1/2, 1- 4	1	Hydrant is located in town of Auburn		1
	TOTALS	220	0	0	220

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid by developers.

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
4	2 - 2 1/2	28			28
4 1/2	2 - 2 1/2, 1- 4	13			13
4 1/4	2 - 2 1/2, 1- 4	5			5
5 1/4	2 - 2 1/2, 1- 4	54		10	64
	TOTALS	100	0	10	110

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer Purchased

DISTRIBUTION INFORMATION - Continued

15. 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
4	2 - 2 1/2	29	1		28
4	3 - 2 1/2	0			0
4 1/4	2 - 2 1/2, 1- 4	3			3
4 1/2	2 - 2 1/2, 1- 4	71	2		69
5	2 - 2 1/2, 1- 4	5			5
4	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	75		4	79
	TOTALS	184	3	4	185

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid for by developers.

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
4	2 - 2 1/2, 1- 4	13			13
5 1/4	2 - 2 1/2, 1- 4	0			0
	TOTALS	13	0	0	13

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer Purchased

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size inches	Number at Beginning of Year In Use	Number at Beginning of Year On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year In Use	Number at Close of Year On Hand
1/2						
5/8	11,962	267	1,000	987	11,998	244
3/4	16	48	6	48	16	6
1	365	0	24	24	365	0
1 1/2	77	21	12	15	78	17
2	158	14	30	25	159	18
3	0	2	0	2	0	0
4	3	0	0	0	3	0
6	3	0	0	0	3	0
8	4	0	0	0	4	0
Totals	12,588	352	1,072	1,101	12,626	285

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

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

24. Are any of these meters paid for by consumers, and to what extent? None

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size inches	Number at Beginning of Year In Use	Number at Beginning of Year On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year In Use	Number at Close of Year On Hand
1/2						
5/8	3,451	34	290	291	3,472	12
3/4	1	0	0	0	1	0
1	56	5	8	8	58	3
1 1/2	17	10	0	4	17	6
2	46	5	5	2	45	9
3	1	0	0	0	1	0
4	4	0	0	0	4	0
5						
8						
Totals	3,576	54	303	305	3,598	30

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

24. Are any of these meters paid for by consumers, and to what extent? None

Company owned meters at pump stations:

Oak Pond Station 1-8" Honeywell Flow
#1 Jacques 1-8" Chessel Flow
#2 Jacques 1-8" Chessel Flow
5-1" mtrs for make up water - 1-Oak Pond, 1-#1 Jacques, 1-#2 Jacques, 2-Millbury Ave. Filter Plant
Millbury Ave. - 5-6" Primary Flow Signal Flow Meters
Millbury Ave. - 3-8" Primary Flow Signal Flow Meters

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size inches	Number at Beginning of Year In Use	Number at Beginning of Year On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year In Use	Number at Close of Year On Hand
1/2						
5/8	2,518	27	147	166	2,523	3
3/4	0	0	0	0	0	0
1	57	0	4	1	60	0
1 1/2	10	0	2	1	11	0
2	16	0	1	1	16	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
6	3	0	0	0	3	0
8	0	0	0	0	0	0
Totals	2,604	27	154	169	2,613	3

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

24. Are any of these meters paid for by consumers, and to what extent? None

Company owned m N Main St. & #1A N. Main St.
N. Main St. #1 1-8" Chessel flow
N. Main St. #2 1-8" Chessel flow
Nelson St. #3 1-8" Chessel flow
2-1" Meter for make up water
#1N. Main St.
#3 Nelson St.

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Distribution Information - Concluded												
25. Meters owned by Company												
		Size (inches)										
Maker	**Type**	**1/2**	**5/8**	**3/4**	**1**	**1 1/2**	**2**	**3**	**4**	**6**	**8**	**Total**
Hersey	Turbine									2		2
Neptune	Disc Pin		12,242	22	365	95	177					12,918
Neptune	Turbine							-	3	1	4	8
Totals		0	12,242	22	365	95	177	-	3	3	4	12,911

414 Millbury

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Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2015

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		3,447	1	61	23	54	1				3,587
Badger	Disc		31		0	0						31
Neptune	Turbine								4			4
Kent	Disc		6									6
Rockwell	Disc											
Totals		0	3,484	1	61	23	54	1	4	0	0	3,628

414 Oxford

Annual report of Aquarion Water Company of Massachusetts

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2015

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		2,512	0	60	11	16					2,599
Badger	Disc		11		0							11
Neptune	Fullcrest									3		3
Rockwell	Disc											0
Kent	Disc		3									3
Neptune	Protectus											0
Totals		0	2,526	0	60	11	16	0	0	3	0	2,616

415 Hingham

Annual report of Aquarion Water Company of Massachusetts American Water Company Year ended December 31, 2015

CONSUMPTION INFORMATION

	Permanent	Seasonal
1. Estimated total population of territory covered by franchise	35,324	46,924
2. Estimated population reached by the distribution system,	35,324	46,924
3. Estimated population actually supplied,	35,324	46,924

4. Total consumption during the year (1)	1,224,183,021	gallons
5. Average daily consumption (2)	3,353,926	gallons
6. Day on which greatest amount was pumped	13-Jun-15	
7. Gallons pumped on above day	5,302,000	gallons
8. Week during which greatest amount was pumped	6/7-6/13/2015	
9. Gallons pumped during above week	32,742,000	gallons
10. Gallons per day per service (3)	205	gallons
11. Consumption metered	946,678,000	gallons
12. Consumption metered	77.00%	Percent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
13,057	0	43	13,100

Name of City, Town or District	Number of Customers as of December 31, 2015
Hingham	8,162
Hull	4,608
Cohasset	330

(1) Represents Total Water Production During the Year including purchased water
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire services.

415 Millbury

Annual report of Massachusetts American Water Company **Year ended December 31, 2015**

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	13,261	
2. Estimated population reached by the distribution system,	8,258	
3. Estimated population actually supplied,	8,258	
4. Total consumption during the year (1)	544,611,000	gallons
5. Average daily consumption (2)	1,492,085	gallons
6. Day on which greatest amount was pumped	19-Jul-15	
7. Gallons pumped on above day	2,296,000	gallons
8. Week during which greatest amount was pumped	5/25-5/31/15	
9. Gallons pumped during above week	14,055,000	gallons
10. Gallons per day per service (3)	382	gallons
11. Consumption metered	501,842,000	gallons
12. Consumption metered	92.15%	Per cent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
3,738		25	3,763

Name of City, Town or District	Number of Customers as of December 31, 2015
Millbury	3,763

(1) Represents Total Water Production During the Year
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

415 Oxford

Annual report of Massachusetts American Water Company **Year ended December 31, 2015**

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	13,709	
2. Estimated population reached by the distribution system,	6,133	
3. Estimated population actually supplied,	6,133	
4. Total consumption during the year (1)	240,303,000	gallons
5. Average daily consumption (2)	658,364	gallons
6. Day on which greatest amount was pumped	25-May-15	
7. Gallons pumped on above day	1,235,000	gallons
8. Week during which greatest amount was pumped	5/25-5/31/2015	
9. Gallons pumped during above week	6,760,000	gallons
10. Gallons per day per service (3)	201	gallons
11. Consumption metered	192,024,000	gallons
12. Consumption metered	79.91%	Per cent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
2,647		13	2,660

Name of City, Town or District	Number of Customers as of December 31,2015
Oxford	2,660

(1) Represents Total Water Production During the Year
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

CONSUMPTION INFORMATION - Concluded

By Meter… SEE ATTACHED RATE TARIFF SHEETS DATED DECEMBER 17, 2014

……

……

……

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……

……

……

Are payments required in advance?……

When are meters read and bills rendered?……

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Donald J. Morrissey — ***Executive Vice President, Treasurer, Secretary and Clerk***

Charles V. Firlotte — ***Director***

Donald J. Morrissey — ***Director***

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

State of Connecticut

County of Fairfield ss March 23, 2016

Then personally appeared Donald J Morrissey, Executive Vice President,

Treasurer, Secretary, Clerk; and Director of Aquarion Water Company of Massachusetts, and

Charles V. Firlotte, Director of Aquarion Water Company of Massachusetts.

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

Signature — Notary Public

Expiration of Commission

SHAWNA SALATO
NOTARY PUBLIC
MY COMMISSION EXPIRES JULY 31, 2017

RATE FOR METERED SERVICE – SERVICE AREA A

AVAILABILITY
This rate is available to customers located in the following towns on the mains of the Company within the Company's franchise area, for all purposes except fire protection, subject to the Rules and Regulations of the Company: Cohasset (North Cohasset), Hingham, Hull and Norwell.

WATER CHARGE
A water charge will be made for all water used as registered by the meter, as set forth below:

Rate Per Hundred Cubic Feet (CCF)

RATE R1 - Applies to all metered residential usage by customers classified as such on the Company's records.

First 12 CCF per Quarter/ 4 CCF per Month	$2.874
Over 12 CCF per Quarter/ 4 CCF per Month	$3.915

RATE G1 - Applies to all metered commercial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 12 CCF per Quarter/ 4 CCF per Month	$2.107
Over 12 CCF per Quarter/ 4 CCF per Month	$2.638

RATE G2 - Applies to all metered public authority usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 12 CCF per Quarter / 4 CCF per Month	$2.107
Over 12 CCF per Quarter/ 4 CCF per Month	$2.496

RATE G3 - Applies to all metered industrial usage by customers classified as such on the Company's records, which do not qualify for Rate G4. All Usage $2.239

RATE G4 - Applies to the total monthly usage by qualifying non-residential customers, classified as such on the Company's records, as per the following criteria: All Usage $1.572

Monthly billed amounts:	not less than 10,000,000 gallons, and not more than 40,000,000 gallons
Past 12 months total billed amount	not less than 120,000,000 gallons.

Usage which does not meet these criteria shall be charged at the appropriate G1, G2 or G3 Rate.

SERVICE CHARGE
In addition, all metered general water service customers shall pay a service charge on the size of each meter installed. Customers with multiple meters shall be charged for each meter at the indicated rate.

	Service Charge	
Size of Meter	**Per Month**	**Per Quarter**
5/8"	$ 15.61	$ 46.83
3/4"	$ 23.73	$ 71.19
1"	$ 38.09	$ 114.27
1 1/2"	$ 74.31	$ 222.93
2"	$ 117.71	$ 353.13
3"	$ 219.19	$ 657.57
4"	$ 363.27	$ 1,089.81
6"	$ 725.15	$ 2,175.45
8"	$ 1,159.77	$ 3,479.31

TERMS OF PAYMENT
The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1,2012

By: Donald J. Morrissey

Effective: April 1, 2012

Title: Vice President, Treasurer

RATE FOR METERED SERVICE – SERVICE AREA B

AVAILABILITY

This rate is available to customers located in the following towns on the mains of the Company within the Company's franchise area, for all purposes except fire protection, subject to the Rules and Regulations of the Company: Millbury, Oxford.

WATER CHARGE

A water charge will be made for all water used as registered by the meter, as set forth below:

Rate Per Thousand Gallons(KGAL):

RATE R1 - Applies to all metered residential usage by customers classified as such on the Company's records.

First 9 KGAL per Quarter/ 3 KGAL per Month	$3.841
Over 9 KGAL per Quarter/ 3 KGAL per Month	$5.233

RATE G1 - Applies to all metered commercial usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 9 KGAL per Quarter/ 3 KGAL per Month	$2.815
Over 9 KGAL per Quarter/ 3 KGAL per Month	$3.528

RATE G2- Applies to all metered public authority usage by customers classified as such on the Company's records, which do not qualify for Rate G4.

First 9 KGAL per Quarter/ 3 KGAL per Month	$2.815
Over 9 KGAL per Quarter/ 3 KGAL per Month	$3.337

RATE G3- Applies to all metered industrial usage by customers classified as such on the Company's records, which do not qualify for Rate G4. All Usage $2.992

RATE G4 - Applies to the total monthly usage by qualifying non-residential customers, classified as such on the Company's records, as per the following criteria: All Usage $2.102

Monthly billed amounts:	not less than 10,000,000 gallons, and not more than 40,000,000 gallons
Past 12 months total billed amount	not less than 120,000,000 gallons.

Usage which does not meet these criteria shall be charged at the G1, G2 or G3 Rate.

SERVICE CHARGE

In addition, all metered general water service customers shall pay a service charge on the size of each meter installed. Customers with multiple meters shall be charged for each meter at the indicated rate.

	Service Charge	
Size of Meter	**Per Month**	**Per Quarter**
5/8"	$ 15.61	$ 46.83
3/4"	$ 23.73	$ 71.19
1"	$ 38.09	$ 114.27
1 1/2"	$ 74.31	$ 222.93
2"	$ 117.71	$ 353.13
3"	$ 219.19	$ 657.57
4"	$ 363.27	$ 1,089.81
6"	$ 725.15	$ 2,175.45
8"	$ 1,159.77	$ 3,479.31

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1,2012

Effective: April 1,2012

By: Donald J. Morrissey

Title: Vice President, Treasurer

RATE FOR PRIVATE FIRE PROTECTION

AVAILABILITY

This rate is available to customers located on the mains of the Company within the Company's franchise area for Private Fire Protection, subject to the Rules and Regulations of the Company.

RATE

	Per Year
For each service connection 4" or smaller	$ 513.47
For each service connection 6"	$ 1,077.88
For each service connection 8"	$ 1,868.07
For each service connection 10"	$ 2,884.02
For each service connection 12"	$ 4,125.73
For each privately owned fire hydrant serving Cohasset, Hingham, Hull, Millbury and Oxford	$ 735.39
For each privately owned fire hydrant outside Cohasset, Hingham, Hull, Millbury and Oxford	$ 924.04

TERMS OF PAYMENT

Bills shall be rendered and due monthly or quarterly in advance. The above rates are net and are payable within forty-five (45) days of the date of the bill. The Company reserves the right to disconnect the service of any customers not having their account paid in full within forty-five (45) days of the date of the bill.

SPECIAL PROVISIONS

(a) All water shall be used for fire protection purposes only.

(b) The Company reserves the right, if water is used in violation of (a) above, to install a meter on the connection at any time which will meet the requirements of the fire insurance companies. In the event a meter is installed, the established meter rates, including both water and service charges, will apply in lieu of the above rates for Private Fire Protection.

Issued: April 1,2012

Effective: April 1,2012

By: _____

Title: Vice President, Treasurer

RATE FOR PUBLIC FIRE PROTECTION

AVAILABILITY

This rate is available for Public Fire Protection only, and is subject to the Rules and Regulations of the Company.

RATES

For each Company owned public fire hydrant	$ 221.77
In addition, annual charges as follows:	
Town of Hingham	$ 354,424.00
Town of Hull	$ 203,951.00
Town of Cohasset	$ 16,788.00
Town of Millbury	$ 143,013.00
Town of Oxford	$ 99,487.00

TERMS OF PAYMENT

Bills shall be rendered and due monthly or quarterly in arrears. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1,2012

Effective: April 1,2012

By: _____

Title: Vice President, Treasurer

SALE FOR RESALE

AVAILABILITY
This rate is available to municipalities, or political subdivisions thereof, for resale to customers resident in territory contiguous to that served by the Company.

RATE
For all water taken, subject to the minimum charge as provided below:

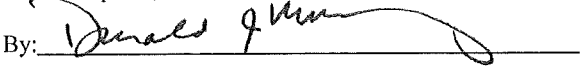
$ 2.00 per 1,000 gallons

MINIMUM CHARGE
A variable minimum charge will apply based on the minimum monthly delivery occurring over the preceding 12 months, but not less than 100,000 gallons per month, times the currently allowed rate per 1,000 gallons.

Example: given a minimum monthly billing of 500,000 gallons, the minimum charge Would be $2.00 x 500 = $1,000 per month.

TERMS OF PAYMENT
The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

Issued: April 1,2012

By: 

Effective: April 1,2012

Title: Vice President, Treasurer

MISCELLANEOUS CHARGES

Drought Conditions

Termination and Restoration Fee – Business Hours*	$ 49.00
Termination and Restoration Fee – After Hours	$ 294.00

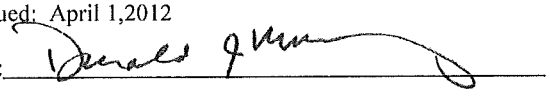
*Normal business hours are Monday through Friday, 8 am to 4 pm.

System Development Charge ("SDC")

Meter Size**	Capacity GPM	Ratio to 5/8" Meter	Fee
5/8"	20	1.00	$640
3/4"	30	1.50	$960
1"	50	2.50	$1,600
1 ½"	100	5.00	$3,200
2"	160	8.00	$5,120
3"	320	16.00	$10,240
4"	500	25.00	$16,000

*SDC is determined on a case by case basis for meter sizes greater than 4".

Issued: April 1,2012

By: 

Effective: April 1,2012

Title: Vice President, Treasurer

OTHER SERVICES

AVAILABILITY

This rate is available to all classes of customers located on the mains of the Company Subject to the Rules and Regulations of the Company.

Frozen Meters	Actual Cost of Meter	
Meter Test Fees 1" and less	$	50.00
Larger than 1"	$	75.00
Return Check Fee	$	20.00
Seasonal Meter Set & Turn On Fee	$	49.00
Seasonal Meter Removal Fee & Turn Off Fee	$	49.00
Turn-on Fee – Business Hours	$	49.00
After Hours Callout	$	294.00
Non-Payment Reconnect – Business Hours	$	49.00
Non-Payment Reconnect – After Hours	$	294.00
Theft of Service	$	1,000.00
(or triple the amount of damages which ever is greater)		
Cross Connection – One Device Testing	$	75.00
Each Additional	$	35.00

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

The following surcharges are applicable to all metered customers located in the following towns on the mains of the Company within the Company's franchise area: Cohasset, (North Cohasset), Hingham, Hull and Norwell.

SURCHARGE

	Service Charge	
Size of Meter	Per Month	Per Quarter
5/8"	10.25	$30.75
3/4"	$15.59	$46.77
1"	$25.01	$75.03
1 1/2"	$48.79	$146.37
2"	$77.28	$231.84
3"	$143.91	$431.73
4"	$238.52	$715.56
6"	$476.11	$1,428.33
8"	$761.47	$2,284.41

Consumption Charge per 100 cubic feet for Water Treatment Facility Lease $0.7342

Consumption Charge per 100 cubic feet for Water Treatment Operation and Maintenance $1.0119

TERMS OF PAYMENT

The Company may render bills on either a quarterly or monthly basis. The above rates are payable within forty-five (45) days of the date of the bills.

Issued: October 22, 2012

By: Donald J. Mu

Effective: November 1, 2012

Title: Vice President, Treasurer

PURCHASED WATER SURCHARGE

AVAILABILITY

All metered general water service customers falling under the G4 rate designation receiving water service from the Millbury system, the City of Worcester interconnection or a combination of both sources. G4 customers will be billed at the customary G4 rate under the Company's approved tariff schedule for water service received from the Millbury system based on readings of the Millbury system meter.

SURCHARGE AMOUNT

In addition, any G4 customer who receives water supplied from the City of Worcester interconnection will be billed an amount equal to the difference in the cost of water purchased from the City of Worcester and the volumetric rate paid by a G4 customer as per the Company's tariff.

To the extent that multiple customers qualify for the G4 rate, the cost of water service from the City of Worcester interconnection will be allocated among the qualifying customers based upon the respective water usage in the applicable billing period.

The surcharge for each forthcoming year will be calculated on December 1 based on the previous 12 months of applicable actual invoices from the City of Worcester. The surcharge will be charged to the customer in equal installments over the calendar year beginning with the January billing.

TERMS OF PAYMENT

The Company renders bills on a monthly basis. The above rates are payable within forty-five (45) days of the date of the bill.

The following Tangible Property Regulation ("TPR") surcharge is applicable to all metered and fire service customers located within the Company's franchise area.

The surcredit reflected below is being made by Aquarion Water Company of Massachusetts, Inc. (the "Company") through a tax benefit to the Company by the Internal Revenue Service ("IRS") pursuant to IRS Revenue Procedure 2014-16 ("Procedure"). The Procedure allows the Company to adopt an alternative method for determining how capital expenditures can be treated for federal tax purposes, allowing certain expenditures that were historically considered as capital for tax purposes to be treated as expenses for tax purposes.

The surcredit is a result of the Company's adoption of this alternative tax treatment related to mains, services and hydrants.

In the event that the IRS subsequently disallows all or part of the TPR credit that the Company has or was expecting to credit to customers, then, to the extent that the total amount that has been approved by the Department as the basis of the surcredit to customers is different than the amount allowed by the IRS:

a. Within ten days of the receipt by the Company of a formal notice from the IRS adjusting the amount of the TPR credit, the Company shall make a compliance filing with the Department reconciling the amount of the surcredit to customers' bills in order to reflect the amount of any such IRS adjustment on a going forward basis and the surcredit shall be adjusted or, in the case of complete disallowance by the IRS, eliminated; and.

b. The Company shall be authorized to defer on its accounting and financial records and include for recovery or refund in its next general rate application the amount that has been passed back to customers through the surcredit that is different from that amount allowed by the IRS.

SURCREDIT

The surcredit reduces customer rates by $410,000 or approximately 3.23 percent per customer and shall be applied over a twelve (12) month period.

TERMS OF SURCREDIT

The surcredit will apply for a period of 12 months, beginning on January 1, 2015. The surcredit shall not apply to the water treatment facility surcharges for the Company's Service Area A.

Issued: December 19, 2014

Effective: January 1, 2015

By: Troy M. Dixon

Title: Director, Rates and Regulation

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC UTILITIES

D.P.U. 14-58 December 17, 2014

Petition of Aquarion Water Company of Massachusetts, Inc., for authorization and approval by the Department of Public Utilities to institute a surcredit to its existing rates for effect January 1, 2015.

ORDER ON OFFER OF SETTLEMENT

APPEARANCES: Jon N. Bonsall, Esq.
Keegan Werlin LLP
265 Franklin Street
Boston, Massachusetts 02110
FOR: AQUARION WATER COMPANY OF MASSACHUSETTS, INC.
Petitioner

Martha Coakley, Attorney General
Commonwealth of Massachusetts
By: John J. Geary
Assistant Attorney General
Office of Ratepayer Advocacy
One Ashburton Place
Boston, Massachusetts 02108
Intervenor

James B. Lampke, Esq.
Town Counsel
Town of Hull
115 North Street
Hingham, Massachusetts 02043
FOR: TOWN OF HULL
Intervenor

I. INTRODUCTION AND PROCEDURAL HISTORY

On March 17, 2014, Aquarion Water Company of Massachusetts, Inc. ("Aquarion" or "Company") filed a petition with the Department of Public Utilities ("Department") seeking authorization and approval to institute a surcredit to its existing rates pursuant to G.L. c. 164 and G.L. c. 165. The Department docketed the Company's petition as D.P.U. 14-58.

On March 27, 2014, the Attorney General of the Commonwealth of Massachusetts ("Attorney General") filed a notice of intervention pursuant to G.L. c. 12, § 11E(a). On May 5, 2014, the Town of Hull ("Town") filed a petition to intervene. Pursuant to notice duly issued, the Department held a public hearing and procedural conference on May 22, 2014. The Department granted the Town's petition to intervene during the public hearing.

In support of its petition, the Company sponsored the testimony of Troy M. Dixon, director of rates and regulation of Aquarion Water Company of Connecticut, an affiliate of the Company. Neither the Attorney General nor the Town sponsored testimony and no party requested evidentiary hearings in this matter. The record consists of nine exhibits.[1]

On December 2, 2014, Aquarion and the Attorney General (collectively, "Settling Parties") filed with the Department, pursuant to G.L. c. 164, § 94 and 220 C.M.R. § 1.04(5)(a), a Joint Motion for Approval of Offer of Settlement and an Offer of Settlement

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[1] On its own motion, the Department moves into the evidentiary record of this proceeding the following: (1) testimony of Troy M. Dixon, which shall be referred to as Exhibit AWC/TMD-1; (2) an attachment to that testimony, which shall be referred to as Exhibit AWC/TMD-2; (3) the Company's proposed tariff, M.D.P.U. No. 2, which was filed with its petition and shall be referred to as Exhibit AWC-1; and (4) the Company's responses to information requests DPU-1-1, DPU-2-1 through DPU-2-4, and DPU-3-1. 220 C.M.R. §§ 1.06(6)(a), 1.10(4).

("Settlement") effective January 1, 2015. The proposed Settlement resolves issues associated with Aquarion's petition to institute the surcredit.[2]

II. THE COMPANY'S PROPOSED SURCREDIT

On September 13, 2013, the Internal Revenue Service ("IRS") promulgated new regulations (hereinafter "tangible property regulations") that allow the Company to adopt an alternative method for determining how capital expenditures-related tangible property can be treated for federal tax purposes (Exh. AWC/TMD-1, at 3; see also Settlement, Att. A, AG-1-1, Att.). More specifically, the tangible property regulations provide that certain expenditures that were historically considered as capital for tax purposes instead could be treated as expenses for tax purposes (Exh. AWC/TMD-1, at 3-4).

Pursuant to the tangible property regulations, Aquarion applied the aforementioned change in tax treatment to replacements of water mains, services, and hydrants installed by the Company during the calendar years 2007 through 2013 (Exh. AWC/TMD-1, at 4). As a result of this process, the Company calculated a tax credit of $410,000, which the Company applied to its 2013 federal tax return (Exhs. AWC/TMD-1, at 3, 6 & n.1; AWC/TMD-2; AWC-1; DPU-2-1 & Att.).[3]

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[2] On December 15, 2014, the Town filed comments regarding the Settlement. While the Town was not a signatory to the Settlement, the Town does not oppose the Settlement and supports it to the extent necessary for its approval (Town Comments at 1).

[3] The calculated tax credit is subject to the amount of actual taxes paid by the Company for tax years 2011, 2012, and 2013, and those amounts are still subject to IRS audit and/or adjustment (Exh. AWC/TMD-1, at 4). Further, the calculation of the tax credit is subject to acceptance by the IRS following the agency's review of the Company's 2013 federal tax filing (Exh. AWC/TMD-1, at 4).

The Company proposes to pass back the tax credit to customers through a one-year rate reduction, or a surcredit (Exh. AWC/TMD-1, at 6). To calculate the proposed surcredit to customers, the Company divided the $410,000 tax credit by the revenues approved in the Order on Recalculation, Aquarion Water Company of Massachusetts, Inc., D.P.U. 11-43-A (2012), reduced for revenues associated with the Hingham Water Treatment Plant surcharge allowed in the final Order, D.P.U. 11-43 (2012), and Aquarion Water Company of Massachusetts, Inc., D.P.U. 12-84 (2013), and adjusted for miscellaneous water service revenues (Exhs. AWC/TMD-1, at 6; AWD/TMD-2). The adjusted total is $12,683,399 (Exhs. AWC/TMD-1, at 6; AWD/TMD-2; DPU-2-1, Att.). The proposed surcredit calculation will result in an anticipated cumulative benefit of approximately 3.23 percent on an average customer's base water bill ($410,000/$12,683,399) (Exhs. AWC/TMD-1, at 3; AWC/TMD-2).

III. SETTLEMENT

Pursuant to the Settlement, the Company will flow back to customers the $410,000 surcredit, as provided for in a tariff filed in conjunction with the Settlement on December 2, 2014 and revised on December 11, 2014 (Settlement at Art. II, § 2.1; Att. B (Rev.)).[4] As noted above, the effect of this flowback is to reduce rates by approximately 3.23 percent per customer (Settlement at Att. B (Rev.)). The surcredit is to be applied for twelve months, beginning on January 1, 2015 (Settlement at Att. B (Rev.)).

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[4] The tariff filed in conjunction with the Settlement on December 2, 2014 was revised and refiled on December 11, 2014 to clarify certain language regarding the surcredit (see Exh. DPU-3-1).

The Settlement also provides that in the event the IRS disallows all or part of the $410,000 tax credit claimed by the Company (see n.3 above), within ten days of such notification of disallowance Aquarion will make a compliance filing with the Department and reconcile the amount of the surcredit to customers' bills in order to reflect the amount of any such IRS adjustment on a going-forward basis, and the surcredit shall be adjusted or, in the case of complete disallowance by the IRS, eliminated (Settlement at Att. B (Rev.)).

Further, the Settlement provides that the Company shall defer on its accounting and financial records, and include for recovery or refund in its next general rate application, the amount that has been passed back to customers that is different from that amount allowed by the IRS (Settlement at Att. B (Rev.)). Finally, the Settlement provides that the Company will not establish a regulatory asset for the $410,000 surcredit, and that the Company will not seek recovery of the same in a future rate proceeding (Settlement at Art. II,§ 2.1).

IV. STANDARD OF REVIEW

In assessing the reasonableness of an offer of settlement, the Department reviews all available information to ensure that the settlement is consistent with Department precedent and the public interest. Fall River Gas Company, D.P.U. 96-60 (1996); Essex County Gas Company, D.P.U. 96-70 (1996); Boston Edison Company, D.P.U. 92-130-D at 5 (1996); Bay State Gas Company, D.P.U. 95-104, at 14-15 (1995); Boston Edison Company, D.P.U. 88-28/88-48/89-100, at 9 (1989). A settlement among the parties does not relieve the Department of its statutory obligation to conclude its investigation with a finding that a just and reasonable outcome will result. D.P.U. 95-104, at 15; D.P.U. 88-28/88-48/89-100, at 9.

V. ANALYSIS AND FINDINGS

The Department has evaluated the provisions of the Settlement and Aquarion's proposed surcredit in light of the information submitted by the Company in its initial filing and its responses to information requests. In evaluating the provisions of the Settlement, the Department finds that the Settlement will reduce the rates of Aquarion's customers by a total of $410,000, or approximately 3.23 percent per customer, over the course of twelve months, beginning January 1, 2015. Based on our review of the record in this proceeding, the Department finds that the Settlement will result in a just and reasonable outcome and is consistent with the public interest. Further, we conclude that the Settlement is consistent with Department precedent. Tax Reform Act, D.P.U. 87-21-A, at 5-12 (1987); see also Investigation by the Department of Public Utilities into the buy-out of a special contract between Bay State Gas Company and MASSPOWER, D.P.U. 10-10, at 6-7 (2013); The Berkshire Gas Company, D.P.U. 07-79, at 6 (2008).

The Settlement is silent as to how the Company will book the difference between the amount that has been passed back to customers and the ultimate tax credit amount allowed by the IRS (see Settlement at Att. B (Rev.)). The Department finds that, consistent with the provisions of the Uniform System of Accounts for Water Companies, 220 C.M.R. § 52.00 et seq., the Company shall book any over- or under-recovery to Account 317, Other Unadjusted Credits.

Based on the above considerations, the Settlement is approved. Within five days of this Order, the Company shall file a revised version of the tariff submitted on December 11, 2014.

The revised tariff shall contain the following administrative changes: (1) it shall be numbered M.D.P.U. No. 2, First Revised Sheet No. 31, Canceling Original Sheet No. 31; (2) it shall bear an updated issuance date consistent with the date upon which it is filed; and (3) the designation of "Attachment B" shall be removed from the heading.

The Department's acceptance of the Settlement does not constitute a determination on the merits of any allegations, contentions, or arguments made in this proceeding. Moreover, the Department's acceptance of the Settlement does not set a precedent for future filings, whether ultimately settled or adjudicated.

VI. ORDER

After due notice, hearing, and consideration, it is

ORDERED: That the Joint Motion for Approval of Offer of Settlement submitted by Aquarion Water Company of Massachusetts, Inc. and the Attorney General of the Commonwealth of Massachusetts is ALLOWED and the Offer of Settlement submitted by Aquarion Water Company of Massachusetts, Inc. and the Attorney General of the Commonwealth of Massachusetts is, therefore, APPROVED; and it is

FURTHER ORDERED: That the proposed surcredit set forth in M.D.P.U. No. 2, Original Sheet No. 31, as filed on December 2, 2014 and revised on December 11, 2014, is DISALLOWED; and it is

FURTHER ORDERED: That Aquarion Water Company of Massachusetts, Inc., shall file a revised tariff consistent with the Department's directives herein; and it is

FURTHER ORDERED: That Aquarion Water Company of Massachusetts, Inc. shall comply with all other directives contained in this Order.

By Order of the Department,

/s/
Ann G. Berwick, Chair

/s/
Jolette A. Westbrook, Commissioner

/s/
Kate McKeever, Commissioner

An appeal as to matters of law from any final decision, order or ruling of the Commission may be taken to the Supreme Judicial Court by an aggrieved party in interest by the filing of a written petition praying that the Order of the Commission be modified or set aside in whole or in part. Such petition for appeal shall be filed with the Secretary of the Commission within twenty days after the date of service of the decision, order or ruling of the Commission, or within such further time as the Commission may allow upon request filed prior to the expiration of the twenty days after the date of service of said decision, order or ruling. Within ten days after such petition has been filed, the appealing party shall enter the appeal in the Supreme Judicial Court sitting in Suffolk County by filing a copy thereof with the Clerk of said Court. G.L. c. 25, § 5.