



Annual Water and Sewer Retail Rate Survey

**The Community Advisory Board to the
Massachusetts Water Resources Authority**

2015



The MWRA Advisory Board...

was established by the state Legislature to represent the 60 communities in the MWRA service area. Through annual comments and recommendations on the Authority's proposed capital and current expense budgets and rates, the Advisory Board provides a ratepayer perspective on the MWRA's plans and policies to improve the region's water and sewer systems.

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MWRA **Advisory Board**

2015

Annual Water and Sewer Retail Rate Survey

Joseph E. Favaloro
Executive Director



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Introduction

This is the twenty-eighth "Annual Water and Sewer Retail Rate Survey" prepared by the Massachusetts Water Resources Authority (MWRA) Advisory Board, providing a comparative snapshot of water and sewer retail rates for each community in the MWRA service area. In addition, the survey also incorporates rate information from Massachusetts communities outside of the MWRA service area, as well as other cities nationwide. The survey was prepared by Travis Ahern, Matthew Romero and Mary Ann McClellan of the Advisory Board staff.

The Rate Survey is typically the Advisory Board's most requested document. We hope that municipal officials, water and sewer industry professionals, and concerned citizens continue to find the information presented in the survey useful and informative. As always, we welcome any questions or suggestions regarding this survey, which will allow us to improve the document for future years. Please do not hesitate to call our office at (617) 788-2050, or email us at mwra.ab@mwraadvisoryboard.com with your feedback. Copies of this document are available at our website in PDF format at <http://www.mwraadvisoryboard.com>.

Average Water and Sewer Rates

Historically, the survey has focused upon the average annual household use based on the industry standard of 120 hundred cubic feet (HCF), or approximately 90,000 gallons (90 kgal) to track retail rate increases over time. For historical purposes this constant is maintained throughout the document; however, in recognition of the variability of actual household usage by community, the Advisory Board for several years has provided a comparative assessment of actual costs for water and sewer retail rate customers. The actual usage number is calculated by MWRA staff and is based primarily on residential consumption reported by each community in their annual Public Water Supply Annual Statistic Report filed with the Massachusetts Department of Environmental Protection, and the total population and average household size for each community based on data from the U.S. Census bureau. The full calculation and source data can be found in Appendix C. Prior to 2009, this information had only been presented in Appendix C of the survey.

In July 2008, the Advisory Board staff convened a "focus group," including members of the Advisory Board, MWRA staff, and Advisory Board staff, to discuss the survey's method of reporting retail rate increases. After eliciting responses from both the American Water Works Association (AWWA) and its members, the group agreed to maintain a constant standard (120 HCF) for historical comparisons while creating additional references to the information contained in Appendix C. Now, in an effort to provide a more complete depiction of the various means by which retail water and sewer rates can be calculated, the information previously contained in Appendix C has been placed in each MWRA community's profile page.

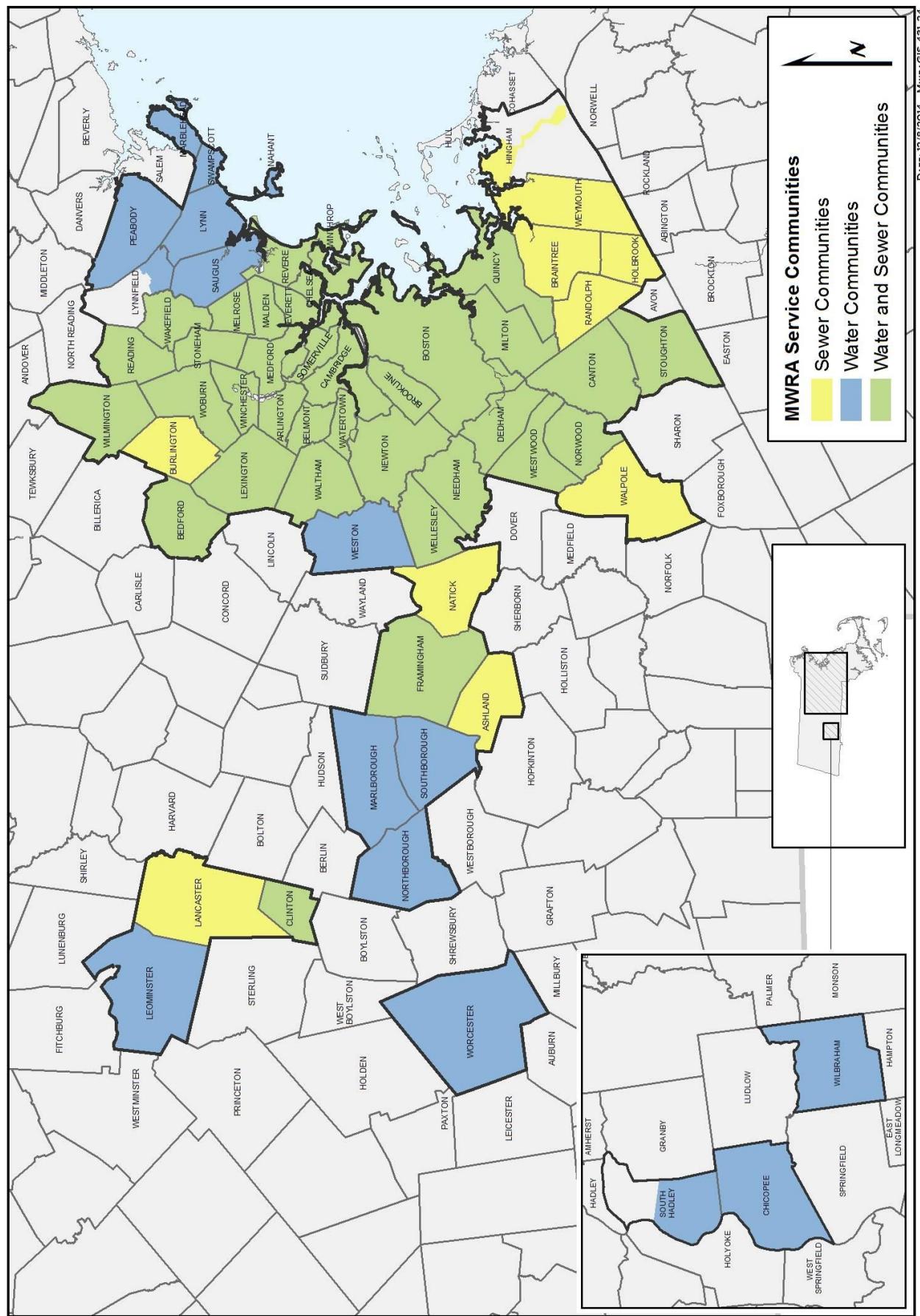
The MWRA Advisory Board

The MWRA Advisory Board was created by the Massachusetts Legislature in 1984 to represent the interests of Massachusetts Water Resources Authority service area communities. The Advisory Board includes one representative from each of the 60 communities that receive water and/or sewer services from the MWRA and one from the Metropolitan Area Planning Council. In addition, six members are appointed by the Governor to include a person with skills and expertise in matters relating to environmental protection, one representative each from the Connecticut River Basin, the Quabbin/Ware Watershed areas and the Wachusett Watershed area, plus two persons qualified by membership or affiliation in organizations concerned with the recreational or commercial uses of the Boston Harbor.

The Massachusetts Legislature has delegated specific responsibilities to the Advisory Board who, in turn, monitor the MWRA's programs from a ratepayer perspective:

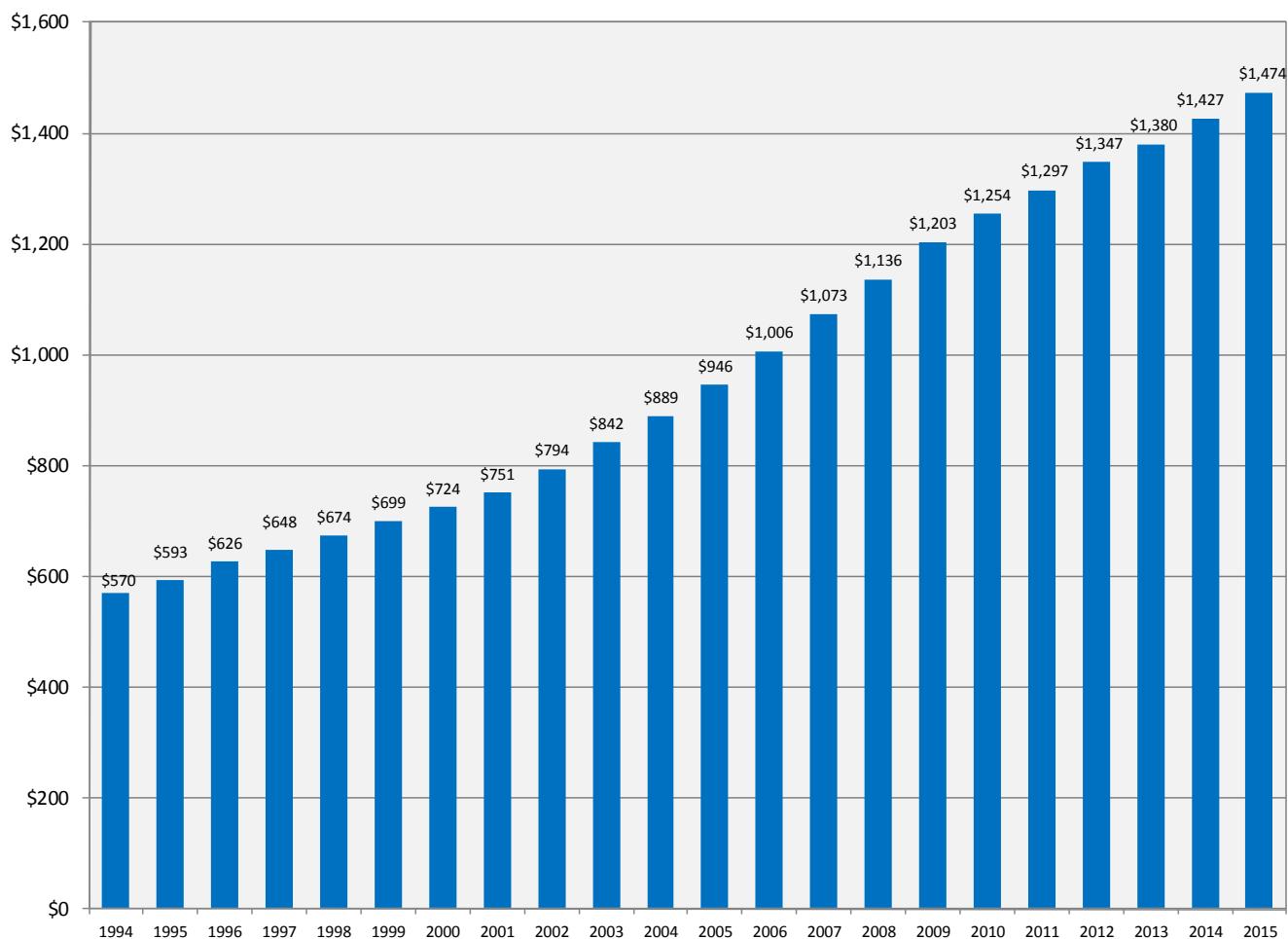
- Serving as a watchdog over the MWRA to ensure proper management and budgetary control;
- Making recommendations on annual expense budgets, capital improvement programs, business planning, and user charges;
- Holding hearings on matters relating to the MWRA and making subsequent recommendations to the Governor and the Legislature; and,
- Appointing three individuals to the eleven member MWRA Board of Directors.

MWRA COMMUNITY 2015 WATER AND SEWER CHARGES



Combined Annual Water & Sewer Charges in MWRA Communities 1994 – 2015

(Consumption at 120 HCF ≈ 90 kgal)



MWRA SYSTEMWIDE SUMMARY DATA		
2015		
	2014	2015
Avg. combined water and sewer cost	\$1,428.92	\$1,473.61
Percent change from prior year	3.5%	3.1%
<u>WATER BILLING FREQUENCY</u>		
Semi-Annual	9	8
Tri-Annual	2	2
Quarterly	41	42
Bi-Monthly	2	2
Monthly	6	6
<u>WATER RATE STRUCTURE</u>		
Ascending Block with Base/Minimum Charge	34	34
Ascending Block only	12	12
Flat Rate with Base/Minimum Charge	7	7
Flat Rate only	6	6
Fixed Fee	1	1
<u>SENIOR CITIZEN/LOW-INCOME DISCOUNTS</u>		
Senior Discount	15	16
Low-Income Discount	7	7
Both	9	8
Neither	29	29
<u>DEBT SERVICE EXCLUSION</u>		
	3	3
<u>CHANGES IN COMBINED WATER AND SEWER CHARGES</u>		
Decrease	0	4
No change	18	16
0% to 10% increase	40	35
10% to 20% increase	1	4
20% to 30% increase	1	1
30% to 40% increase	0	0
40% to 50% increase	0	0
Greater than 50% increase	0	0

**ANNUAL WATER AND SEWER CHARGES IN
COMMUNITIES RECEIVING SERVICES FROM THE MWRA
2015**

	Water	Sewer
Arlington (W/S)*	\$611.20	\$730.04
Ashland (S)	-	1,495.60
Bedford (S/partial W)	631.00	1,053.00
Belmont (W/S)	819.72	1,529.20
Boston (W/S)	599.59	771.02
Braintree (S)	-	769.00
Brookline (W/S)	677.80	960.60
Burlington (S)	-	391.50
Cambridge (S/partial W)	380.00	1,147.60
Canton (S/partial W)	610.00	1,013.60
Chelsea (W/S)	511.20	973.20
Chicopee (W)	417.60	-
Clinton (W/S)	343.60	257.70
Dedham (S/partial W)	616.56	937.28
Everett (W/S)	268.80	733.20
Framingham (W/S)	740.64	894.12
Hingham (S)	-	1,110.00
Holbrook (S)	-	834.00
Leominster (partial W)	455.84	-
Lexington (W/S)	501.60	978.00
Lynn (partial W)	423.72	-
Lynnfield (W)	360.80	-
Malden (W/S)	664.92	771.24
Marblehead (W)	624.00	-
Marlborough (partial W)	826.80	-
Medford (W/S)	727.20	908.40
Melrose (W/S)	870.40	1,184.28
Milton (W/S)	761.04	1,277.52
Nahant (W)*	834.00	-
Natick (S)	-	1,037.60
Needham (S/partial W)	471.60	1,114.80
Newton (W/S)	824.00	1,185.00
Northborough (partial W)	587.08	-
Norwood (W/S)	600.12	829.08
Peabody (partial W)	306.00	-
Quincy (W/S)	710.40	1,090.32
Randolph (S)	-	825.20
Reading (W/S)	1,059.60	1,171.20
Revere (W/S)	458.40	1,452.00
Saugus (W)	580.40	-
Somerville (W/S)	645.03	1,008.36
South Hadley (W)	472.40	-
Southborough (W)	427.08	-
Stoneham (W/S)	720.00	1,086.00
Stoughton (S/partial W)	540.48	1,152.00
Swampscott (W)	788.00	-
Wakefield (S/partial W)	610.20	1,128.60
Walpole (S)	-	792.86
Waltham (W/S)	428.64	753.00
Watertown (W/S)	565.08	967.20
Wellesley (S/partial W)	445.68	1,011.60
Weston (W)	290.20	-
Westwood (S/partial W)	616.56	828.00
Weymouth (S)	-	1,006.72
Wilbraham (W)	494.40	-
Wilmington (S/partial W)	449.60	598.80
Winchester (S/partial W)*	275.60	313.20
Winthrop (W/S)	780.00	1,188.00
Woburn (S/partial W)	205.00	328.00
Worcester (partial W)	432.00	-
AVERAGE	\$569.83	\$945.17
Percent change	3.4%	2.2%
Water and Sewer Charges are based on an annual water consumption of 120 HCF ≈90 kgal.		
(*) Indicates communities that utilize the debt service exclusion as permitted under General Law 59 Section 2 1C(n).		

Combined Annual Water and Sewer Charges for Communities Receiving Services from the MWRA 2015

Charges include MWRA, community, and alternatively supplied services.

Rates based on average annual household use of **120 hundred cubic feet (HCF)**, or approximately **90,000 gallons**.

	Water	Sewer	Combined	Change
Arlington (W/S)*	\$611.20	\$730.04	\$1,341.24	0.0%
Ashland (S)	\$452.80	\$1,495.60	\$1,948.40	4.0%
Bedford (S/partial W)	\$631.00	\$1,053.00	\$1,684.00	7.7%
Belmont (W/S)	\$819.72	\$1,529.20	\$2,348.92	3.7%
Boston (W/S)	\$599.59	\$771.02	\$1,370.61	5.1%
Braintree (S)	\$508.60	\$769.00	\$1,277.60	4.5%
Brookline (W/S)	\$677.80	\$960.60	\$1,638.40	6.3%
Burlington (S)	\$196.50	\$391.50	\$588.00	0.0%
Cambridge (S/partial W)	\$380.00	\$1,147.60	\$1,527.60	5.0%
Canton (S/partial W)	\$610.00	\$1,013.60	\$1,623.60	0.0%
Chelsea (W/S)	\$511.20	\$973.20	\$1,484.40	2.0%
Chicopee (W)	\$417.60	\$721.69	\$1,139.29	11.3%
Clinton (W/S)	\$343.60	\$257.70	\$601.30	0.0%
Dedham (S/partial W)	\$616.56	\$937.28	\$1,553.84	0.8%
Everett (W/S)	\$268.80	\$733.20	\$1,002.00	0.4%
Framingham (W/S)	\$740.64	\$894.12	\$1,634.76	5.9%
Hingham (S)	\$939.68	\$1,110.00	\$2,049.68	0.0%
Holbrook (S)	\$636.00	\$834.00	\$1,470.00	9.3%
Leominster (partial W)	\$455.84	\$508.76	\$964.60	0.0%
Lexington (W/S)	\$501.60	\$978.00	\$1,479.60	-1.9%
Lynn (partial W)	\$423.72	\$777.84	\$1,201.56	2.5%
Malden (W/S)	\$664.92	\$771.24	\$1,436.16	10.9%
Marblehead (W)	\$624.00	\$1,069.00	\$1,693.00	-1.2%
Marlborough (partial W)	\$826.80	\$853.20	\$1,680.00	23.0%
Medford (W/S)	\$727.20	\$908.40	\$1,635.60	0.0%
Melrose (W/S)	\$870.40	\$1,184.28	\$2,054.68	5.8%
Milton (W/S)	\$761.04	\$1,277.52	\$2,038.56	3.2%
Nahant (W)*	\$834.00	\$1,066.80	\$1,900.80	1.5%
Natick (S)	\$342.00	\$1,037.60	\$1,379.60	2.0%
Needham (S/partial W)	\$471.60	\$1,114.80	\$1,586.40	1.5%
Newton (W/S)	\$824.00	\$1,185.00	\$2,009.00	4.6%
Northborough (partial W)	\$587.08	\$911.52	\$1,498.60	11.3%
Norwood (W/S)	\$600.12	\$829.08	\$1,429.20	7.8%
Peabody (partial W)	\$306.00	\$409.80	\$715.80	0.0%
Quincy (W/S)	\$710.40	\$1,090.32	\$1,800.72	5.3%
Randolph (S)	\$597.80	\$825.20	\$1,423.00	-3.4%
Reading (W/S)	\$1,059.60	\$1,171.20	\$2,230.80	-4.9%
Revere (W/S)	\$458.40	\$1,452.00	\$1,910.40	1.9%
Saugus (W)	\$580.40	\$354.40	\$934.80	3.1%
Somerville (W/S)	\$645.03	\$1,008.36	\$1,653.39	11.0%
Stoneham (W/S)	\$720.00	\$1,086.00	\$1,806.00	1.7%
Stoughton (S/partial W)	\$540.48	\$1,152.00	\$1,692.48	0.7%
Swampscott (W)	\$788.00	\$689.00	\$1,477.00	0.0%
Wakefield (S/partial W)	\$610.20	\$1,128.60	\$1,738.80	0.0%
Walpole (S)	\$658.56	\$792.86	\$1,451.42	6.2%
Waltham (W/S)	\$428.64	\$753.00	\$1,181.64	0.0%
Watertown (W/S)	\$565.08	\$967.20	\$1,532.28	3.7%
Wellesley (S/partial W)	\$445.68	\$1,011.60	\$1,457.28	0.0%
Westwood (S/partial W)	\$616.56	\$828.00	\$1,444.56	1.8%
Weymouth (S)	\$602.16	\$1,006.72	\$1,608.88	2.6%
Wilbraham (W)	\$494.40	\$492.00	\$986.40	3.4%
Wilmington (S/partial W)	\$449.60	\$598.80	\$1,048.40	0.0%
Winchester (S/partial W)*	\$275.60	\$313.20	\$588.80	0.0%
Winthrop (W/S)	\$780.00	\$1,188.00	\$1,968.00	2.8%
Woburn (S/partial W)	\$205.00	\$328.00	\$533.00	0.0%
Worcester (partial W)	\$432.00	\$635.52	\$1,067.52	3.8%
AVERAGE	\$579.38	\$894.24	\$1,473.61	3.1%

The following communities do not provide municipal sewer services and, therefore, are not listed: Lynnfield Water District, South Hadley Fire District #1, Southborough and Weston.

(*) Indicates communities that utilize the debt service exclusion as permitted under General Law 59 Section 21C(n).

Arlington (W/S)

Residential Water Rates:

Last adjusted: January 2014
 Next adjustment scheduled: July 2016
 Fund: Enterprise

Base charge per bill \$ 5.35
 First 15 HCF/bill \$ 4.75/HCF
 16 – 30 HCF \$ 5.08 "
 >30 HCF \$ 6.16 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: January 2014
 Next adjustment scheduled: July 2015
 Fund: Enterprise

Base charge per bill \$ 5.36
 First 15 HCF/bill \$ 5.71/HCF
 16 – 30 HCF \$ 6.10 "
 >30 HCF \$ 7.40 "

Based on 100% of water usage.

Annual Cost**AWWA Standard for Historical Comparison**
(120 HCF ≈ 90,000 gals.)

Water	\$611.20
Sewer	\$730.04
Combined	\$1,341.24
% change from 2014	0.0%

Annual Cost**Based on Local, State & Federal Data**
(59.4 HCF – See Appendix C for Data & Calc.)

Water	\$303.55
Sewer	\$360.61
Combined	\$664.16

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Arlington utilizes the debt service exclusion as permitted under General Law 59 Section 21C(n)

Additional 2015 Data by Community

Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	1-3
Water Capital Needs over Next Five Years	\$10-20 million	Sewer Capital Needs over Next Five Years	\$10-20 million
Anticipated Water Capital Spending over Next Five Years	\$5-10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Water/Sewer Rates	

Ashland (S)

Residential Water Rates:

Last adjusted:	February 2015
Next adjustment scheduled:	February 2016
Fund:	Enterprise
Base charge per bill	\$16.00
0 - 10 HCF	\$ 2.96/HCF
>10 - 40 HCF	\$ 3.38 "
>40 - 90 HCF	\$ 5.01 "
>90 HCF	\$ 6.21 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	February 2015
Next adjustment scheduled:	February 2016
Fund:	Enterprise
Base charge per bill	\$16.00
0 - 10 HCF	\$11.29/HCF
>10 - 40 HCF	\$12.25 "
>40 - 90 HCF	\$13.63 "
>90 HCF	\$16.93 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$452.80
Sewer	\$1,495.60
Combined	\$1,948.40
% change from 2014	4.0%

Annual Cost Based on Local, State & Federal Data (68.9 HCF – See Appendix C for Data & Calc.)	
Water	\$280.08
Sewer	\$869.63
Combined	\$1,149.71

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	N/A	MWRA Charges as % of Total Community Sewer Expenses	0-25%
Miles of water pipeline replaced/rehabilitated in FY14	1-3	Miles of sewer pipeline replaced/rehabilitated in FY14	1-3
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$5-10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5-10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Water/Sewer Rates	

Bedford (S/partial W)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: General
 Base charge per bill \$17.50
 0 – 20 HCF \$ 1.50/HCF
 > 20 HCF \$ 6.70 "

Billing Frequency:

Residential: Semi-Annually Commercial: Monthly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: General
 Base charge per bill \$22.50
 0 – 20 HCF \$ 3.40/HCF
 > 20 HCF \$ 10.90 "
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$631.00
Sewer	\$1,053.00
Combined	\$1,684.00
% change from 2014	7.7%

Annual Cost Based on Local, State & Federal Data (79.8 HCF – See Appendix C for Data & Calc.)	
Water	\$361.66
Sewer	\$614.82
Combined	\$976.48

Commercial Water Rates:

Base/admin fee: \$17.50
 All HCF \$6.70

Commercial Sewer Rates:

Base/admin fee: \$22.50
 All HCF \$10.90

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	1-3	Miles of sewer pipeline replaced/rehabilitated in FY14	1-3
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$1-5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Belmont (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge per bill \$19.53
 0 – 30 HCF \$ 6.18/HCF
 >30 \$ 7.10 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge per bill \$17.20
 All units \$12.17/HCF

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)		Annual Cost Based on Local, State & Federal Data (84.8 HCF – See Appendix C for Data & Calc.)	
Water	\$819.72	Water	\$602.18
Sewer	\$1,529.20	Sewer	\$1,100.82
Combined	\$2,348.92	Combined	\$1,703.00
% change from 2014	3.7%		

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	1-3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$5-10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Boston – Boston Water and Sewer Commission (W/S)

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
First 19 CF/Day	\$4.900/HCF
Next 20 CF	\$5.129 "
Next 50 CF	\$5.341 "
Next 260 CF	\$5.679 "
Next 950 CF	\$5.925 "
Over 1,299 CF	\$6.133 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
First 19 CF/Day	\$6.343/HCF
Next 20 CF	\$6.538 "
Next 50 CF	\$6.670 "
Next 260 CF	\$7.037 "
Next 950 CF	\$7.426 "
Over 1,299 CF	\$7.682 "

Based on 100% of water usage.

Commercial Water Rates:

Same as residential

**Annual Cost
Based on Local, State & Federal Data**
(45.1 HCF – See Appendix C for Data & Calc.)

Water	\$599.59
Sewer	\$771.02
Combined	\$1,370.61
% change from 2014	5.1%

Water	\$220.99
Sewer	\$286.07
Combined	\$507.06

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community

Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System			
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	Over 6 miles	Miles of sewer pipeline replaced/rehabilitated in FY14	3-6
Water Capital Needs over Next Five Years	Over \$50 million	Sewer Capital Needs over Next Five Years	Over \$50 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Braintree (S)

Residential Water Rates:

Last adjusted:	June 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Base charge per bill:	\$16.75
0 – 5 HCF	\$ 2.58/HCF
>5 – 35 HCF	\$ 3.90 "
>35 – 200 HCF	\$ 7.05 "
>200 HCF	\$10.04 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	June 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Base charge per bill:	\$16.75
0 – 5 HCF	\$ 4.80/HCF
>5 – 35 HCF	\$ 6.06 "
>35 – 200 HCF	\$ 9.49 "
>200 HCF	\$10.42 "

Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$508.60
Sewer	\$769.00
Combined	\$1,277.60
% change from 2014	4.5%

Annual Cost
Based on Local, State & Federal Data
(68.6 HCF – See Appendix C for Data & Calc.)

Water	\$308.14
Sewer	\$457.52
Combined	\$765.66

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Braintree has a \$5.00 discount for all customers, residential and commercial, if bill is paid within 30 days.

Additional 2015 Data by Community

Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	N/A	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	1-3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$10-20 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy		

Brookline (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge \$30.00
 0 – 7 HCF \$ 1.85/HCF
 >7 \$ 5.50 "
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge \$30.00
 0 – 7 HCF \$ 3.90/HCF
 >7 \$ 7.95 "
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$677.80
Sewer	\$960.60
Combined	\$1,638.40
% change from 2014	6.3%

Annual Cost Based on Local, State & Federal Data (64.5 HCF – See Appendix C for Data & Calc.)	
Water	\$372.55
Sewer	\$519.38
Combined	\$891.93

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$20-50 million
Anticipated Water Capital Spending over Next Five Years	\$1-5 million	Anticipated Sewer Capital Spending over Next Five Years	\$5-10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Water/Sewer Rates	

Burlington (S)

Residential Water Rates:

Last adjusted:	Dec. 2012
Next adjustment scheduled:	Unknown
Fund:	General
First 20 kgal	\$37.00
>20 – 30 kgal	\$ 2.00/kgal
>30 – 50 kgal	\$ 2.75 "
>50 – 70 kgal	\$ 3.50 "
>70 – 90 kgal	\$ 4.50 "
>90 kgal	\$ 4.75 "

Residential Sewer Rates:

Last adjusted:	Dec. 2012
Next adjustment scheduled:	Unknown
Fund:	Enterprise
First 20 kgal	\$42.00
>20 – 30 kgal	\$ 6.00/kgal
>30 – 50 kgal	\$ 6.25 "
>50 – 70 kgal	\$ 7.00 "
>70 – 90 kgal	\$ 8.00 "
>90 kgal	\$ 9.50 "

Based on 100% of water usage.

Billing Frequency:

Residential: Semi-annually

Commercial: Quarterly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$196.50
Sewer	\$391.50
Combined	\$588.00
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (44.1 kgal – See Appendix C for Data & Calc.)	
Water	\$82.20
Sewer	\$108.60
Combined	\$190.80

Commercial Water Rates:

First 10 kgal	\$18.50
>10 – 15 kgal	\$ 3.00/kgal
>15 – 35 kgal	\$ 4.00 "
>35 kgal	\$ 4.75 "

Commercial Sewer Rates:

First 10 kgal	\$34.00
>10 – 15 kgal	\$ 7.00/kgal
>15 – 35 kgal	\$ 8.00 "
>35 kgal	\$ 9.50 "

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	N/A	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$100 thousand to \$1 million	Anticipated Sewer Capital Spending over Next Five Years	\$100 thousand to \$1 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy	

Cambridge (S/partial W)

Residential Water Rates:

Last adjusted:	April 2011
Next adjustment scheduled:	April 2016
Fund:	Enterprise
0 – 40 HCF/year	\$3.02/HCF
>40 – 400 HCF/year	\$3.24 "
>400 – 2,000 HCF/year	\$3.44 "
>2,000 – 10,000 HCF/year	\$3.65 "
>10,000 HCF/year	\$3.96 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	April 2016
Fund:	General
0 – 40 HCF/year	\$ 9.21/HCF
>40 – 400 HCF/year	\$ 9.74 "
>400 – 2,000 HCF/year	\$10.46 "
>2,000 – 10,000 HCF/year	\$11.26 "
>10,000 HCF/year	\$11.97 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$380.00
Sewer	\$1,147.60
Combined	\$1,527.60
% change from 2014	5.0%

Annual Cost Based on Local, State & Federal Data (45.0 HCF – See Appendix C for Data & Calc.)	
Water	\$137.00
Sewer	\$417.10
Combined	\$554.10

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Canton (S/partial W)

Residential Water Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base Charge	\$10.00
1 – 15 HCF	\$ 3.40/HCF
>15 – 40 HCF	\$ 6.10 "
>40 – 100 HCF	\$10.07 "
>100 HCF	\$12.79 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base Charge	\$ 5.00
1 – 15 HCF	\$ 7.77/HCF
>15 – 40 HCF	\$ 8.79 "
>40 – 100 HCF	\$11.61 "
>100 HCF	\$14.88 "

Based on 100% of water usage.

Annual Cost**AWWA Standard for Historical Comparison**
(120 HCF ≈ 90,000 gals.)

Water	\$610.00
Sewer	\$1,013.60
Combined	\$1,623.60
% change from 2014	0.0%

Annual Cost**Based on Local, State & Federal Data**
(78.1 HCF – See Appendix C for Data & Calc.)

Water	\$274.50
Sewer	\$645.30
Combined	\$919.80

Commercial Water Rates:

Same as residential

Commercial Sewer**Rates:**

Same as residential

Additional 2015 Data by Community

Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$1-5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Chelsea (W/S)

Residential Water Rates:

Last adjusted: January 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 0 – 10 HCF \$4.26/HCF
 >10 – 50 HCF \$5.19 "
 >50 HCF \$6.21 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: January 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 0 – 10 HCF \$ 8.11/HCF
 >10 – 50 HCF \$ 8.84 "
 >50 HCF \$10.16 "
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$511.20
Sewer	\$973.20
Combined	\$1,484.40
% change from 2014	2.0%

Annual Cost Based on Local, State & Federal Data (67.1 HCF – See Appendix C for Data & Calc.)	
Water	\$275.11
Sewer	\$544.18
Combined	\$819.29

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	Over \$50 million	Sewer Capital Needs over Next Five Years	Over \$50 Million
Anticipated Water Capital Spending over Next Five Years	\$5-10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5-10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Chicopee (W)

Residential Water Rates:

Last adjusted: October 2014
 Next adjustment scheduled: July 2016
 Fund: General

Minimum charge	\$10.00
0 – 10 HCF	\$ 3.24/HCF
>10 HCF	\$ 3.60 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Special Revenue (Sewer Use Fee)

Minimum Charge per bill (<334CF)	\$10.00/quarter
0 – 10 HCF	\$ 5.99/HCF
>10 HCF	\$ 6.79 "

Based on 100% of water usage, with a summer discount of 30% during the months of June, July, and August.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$417.60
Sewer	\$721.69
Combined	\$1,139.29
% change from 2014	11.3%

Annual Cost Based on Local, State & Federal Data (62.3 HCF – See Appendix C for Data & Calc.)	
Water	\$209.88
Sewer	\$359.29
Combined	\$569.17

Commercial Water Rates:

Same as residential with \$2.00 water meter rental charge (5/8" meter)

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	1-3 miles	Miles of sewer pipeline replaced/rehabilitated in FY14	Over 6 miles
Water Capital Needs over Next Five Years	\$20 – 50 million	Sewer Capital Needs over Next Five Years	\$20 – 50 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Other		

Chicopee is 1 of 3 MWRA communities that has established a special assessment to fund stormwater-related costs. The residential stormwater fee is \$25 per quarter; \$100 per year. For more information, see [Appendix G](#).

Clinton (W/S)

Residential Water Rates:

Last adjusted: April 2006
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum Bill:	\$56.60
0 – 10 HCF	\$ 5.66/HCF
>10 – 30 HCF	\$ 1.30 "
>30 – 50 HCF	\$ 2.90 "
>50 – 200 HCF	\$ 3.12 "
>200 HCF	\$ 3.35 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted: April 2006
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum Bill: \$42.40
 Sewer bill is calculated as 75% of water bill.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$343.60
Sewer	\$257.70
Combined	\$601.30
% change from 2014	0.0%

Annual Cost
Based on Local, State & Federal Data
 (62.5 HCF – See Appendix C for Data & Calc.)

Water	\$255.65
Sewer	\$191.74
Combined	\$447.39

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

- Clinton bills according to actual usage bi-annually, and uses the minimum bill listed for the interim bills.
- Chapter 307 of the Acts of 1987 § 8 limits Clinton's MWRA assessment to \$500,000 per year.

Additional 2015 Data by Community

Does this Community Use Second Meters?	Yes, grandfathered accounts	Does this Community Offer Senior and/or Low Income Discounts?	No response
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	0-25%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Dedham (S)

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Minimum charge per bill includes first 3 HCF ($\frac{5}{8}$ " meter)	\$36.96
>3 – 42 HCF	\$ 4.34/HCF
>42 – 75 HCF	\$ 7.05 "
>75 HCF	\$ 9.13 "

Billing Frequency: Quarterly, some commercial monthly

Residential Sewer Rates:

Last adjusted:	June 2008
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum charge (under 5 HCF) > 5 HCF	\$32.32 \$ 8.08/HCF

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$616.56
Sewer	\$937.28
Combined	\$1,553.84
% change from 2014	0.8%

Annual Cost Based on Local, State & Federal Data (73.7 HCF – See Appendix C for Data & Calc.)	
Water	\$415.62
Sewer	\$724.78
Combined	\$1,140.39

Commercial Water Rates:

Minimum charge 5/8" with 9 HCF allowance:	\$54.84
All units in excess of allowance	\$ 4.34/HCF

Commercial Sewer Rates:

Minimum Charge: (under 5 HCF)	\$45.20
All units	\$11.30/HCF

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	0-25%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	3-6
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$5-10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Everett (W/S)

Residential Water Rates:

Last adjusted:	No response
Next adjustment scheduled:	No response
Fund:	Enterprise
0 – 30 HCF	\$2.24/HCF
>30 – 60 HCF	\$2.84 "
>60 – 90 HCF	\$3.42 "
>90 – 240 HCF	\$3.90 "
>240 HCF	\$4.69 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	No response
Next adjustment scheduled:	No response
Fund:	Enterprise
0 – 30 HCF	\$ 6.11/HCF
>30 – 60 HCF	\$ 8.00 "
>60 – 90 HCF	\$ 9.19 "
>90 – 240 HCF	\$10.30 "
>240 HCF	\$16.16 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$268.80
Sewer	\$733.20
Combined	\$1,002.00
% change from 2014	0.4%

Annual Cost Based on Local, State & Federal Data (63.1 HCF – See Appendix C for Data & Calc.)	
Water	\$141.34
Sewer	\$385.34
Combined	\$526.89

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	No response	MWRA Charges as % of Total Community Sewer Expenses	No response
Miles of water pipeline replaced/rehabilitated in FY14	No response	Miles of sewer pipeline replaced/rehabilitated in FY14	No response
Water Capital Needs over Next Five Years	No response	Sewer Capital Needs over Next Five Years	No response
Anticipated Water Capital Spending over Next Five Years	No response	Anticipated Sewer Capital Spending over Next Five Years	No response
Stormwater			
Current Funding Source of Stormwater-Related Costs:		No Response	

Framingham (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 12 HCF	\$ 5.69/HCF
>12 – 27 HCF	\$ 6.32 "
>27 – 51 HCF	\$ 7.36 "
>51 – 750 HCF	\$ 8.67 "
>750 HCF	\$10.50 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 12 HCF	\$ 7.07 /HCF
>12 – 27 HCF	\$ 7.29 "
>27 – 51 HCF	\$ 9.78 "
>51 – 750 HCF	\$14.02 "
>750 HCF	\$20.39 "

Based on 100% of water usage.

Billing Frequency: Quarterly, some commercial monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$740.64
Sewer	\$894.12
Combined	\$1,634.76
% change from 2014	5.9%

Annual Cost Based on Local, State & Federal Data (64.3 HCF – See Appendix C for Data & Calc.)	
Water	\$376.14
Sewer	\$458.19
Combined	\$834.32

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	Over \$50 million	Sewer Capital Needs over Next Five Years	Over \$50 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Hingham (S)

Residential Water Rates:

Last adjusted:	November 2012
Next adjustment scheduled:	No response
Fund:	Private Company
Base charge (%/8" meter)	\$77.58/bill
0 - 12 HCF	\$ 2.874/HCF
>12 HCF	\$ 3.915 "
Consumption charge for water treatment facility	\$ 0.7342 "
Consumption charge for O&M	\$ 1.0119 "

Billing Frequency: Water: Quarterly

Residential Sewer Rates:

Last adjusted:	May 2014
Next adjustment scheduled:	Apr. 2015
Fund:	Special Revenue
Minimum charge	\$175.00
All units	\$ 9.25/HCF
Based on 100% of water usage.	

Sewer: Semi-Annually

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$939.68
Sewer	\$1,110.00
Combined	\$2,049.68
% change from 2014	0.0%

Annual Cost
Based on Local, State & Federal Data
(70.9 HCF – See Appendix C for Data & Calc)

Water	\$661.72
Sewer	\$655.83
Combined	\$1,317.55

Commercial Water Rates:

Base charge (%/8" meter):	\$77.58/quarter
0-12 HCF	\$ 2.107/HCF
>12 HCF	\$ 2.638 "

Commercial Sewer Rates:

Same as residential.

- ◆ Hingham's water services are provided by the Aquarion Water Company.

Additional 2015 Data by Community

Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$100 thousand to \$1 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Holbrook (S)

Residential Water Rates:

Last adjusted: December 2014
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Minimum charge \$67.80/bill
 All units \$ 5.30/HCF

Billing Frequency: Quarterly (2 estimated bills)

Residential Sewer Rates:

Last adjusted: December 2014
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Minimum charge \$131.88/bill
 All units \$ 6.95/HCF
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$636.00
Sewer	\$834.00
Combined	\$1,470.00
% change from 2014	9.3%

Annual Cost Based on Local, State & Federal Data (59.1 HCF – See Appendix C for Data & Calc.)	
Water	\$313.23
Sewer	\$410.75
Combined	\$723.98

Commercial Water Rates:

All units \$5.53/HCF

Commercial Sewer Rates:

All units \$6.12/HCF

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	N/A	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1-3	Miles of sewer pipeline replaced/rehabilitated in FY14	1-3
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Special Assessment/Fee	

Leominster (partial W)

Residential Water Rates:

Last adjusted: April 2012
 Next adjustment scheduled: Unknown
 Fund: Special Revenue

First 3 HCF \$20.00
 >3 HCF \$ 3.48/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: April 2013
 Next adjustment scheduled: Unknown
 Fund: Special Revenue

First 3 HCF \$20.00
 >3 HCF \$ 3.97/HCF

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$455.84
Sewer	\$508.76
Combined	\$964.60
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (61.2 HCF – See Appendix C for Data & Calc.)	
Water	\$292.98
Sewer	\$275.32
Combined	\$568.30

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	Yes	MWRA Charges as % of Total Community Sewer Expenses	No
Miles of water pipeline replaced/rehabilitated in FY14	0-25%	Miles of sewer pipeline replaced/rehabilitated in FY14	N/A
Water Capital Needs over Next Five Years	1-3	Sewer Capital Needs over Next Five Years	1-3
Anticipated Water Capital Spending over Next Five Years	\$0 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$0 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy	

Lexington (W/S)

Residential Water Rates:

Last adjusted: October 2015
 Next adjustment scheduled: October 2016
 Fund: Enterprise
 0 – 40 HCF \$3.58/HCF
 >40 – 80 HCF \$5.38 "
 >80 HCF \$7.09 "
 Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: October 2015
 Next adjustment scheduled: October 2016
 Fund: Enterprise
 0 – 40 HCF \$ 6.73/HCF
 >40 – 80 HCF \$10.99 "
 >80 HCF \$17.46 "
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$501.60
Sewer	\$978.00
Combined	\$1,479.60
% change from 2014	-1.9%

Annual Cost Based on Local, State & Federal Data (93.9 HCF – See Appendix C for Data & Calc.)	
Water	\$361.18
Sewer	\$691.16
Combined	\$1,052.34

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	Over 75%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Operating budget/tax levy		

Lynn (partial W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 27 HCF	\$3.52/HCF
>27 – 73 HCF	\$3.63 "
>73 – 2,812 HCF	\$3.67 "
>2,812 HCF	\$3.72 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 27 HCF	\$6.46/HCF
>27 – 73 HCF	\$6.68 "
>73 – 2,812 HCF	\$6.75 "
>2,812 HCF	\$6.80 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$423.72
Sewer	\$777.84
Combined	\$1,201.56
% change from 2014	2.5%

Annual Cost Based on Local, State & Federal Data (69.5 HCF – See Appendix C for Data & Calc.)	
Water	\$244.64
Sewer	\$448.97
Combined	\$693.61

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Lynnfield – Lynnfield Water District (W)

Residential Water Rates:

Last adjusted:	Apr. 2014
Next adjustment scheduled:	No response
Fund:	General
Base charge includes	
0 – 20 HCF	\$66.00/bill
>20 – 100 HCF	\$ 2.86/HCF
>100 HCF	\$ 3.10 "
Billing Frequency:	Residential: Semi-annually Commercial: Quarterly

Residential Sewer Rates:

Last adjusted:	Not applicable
Next adjustment scheduled:	Not applicable
Fund:	Not applicable
Community not sewerized.	

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	
Water	\$360.80
Sewer	Not sewerized
Combined	\$360.80
% change from 2014	0.0%

Annual Cost	
Based on Local, State & Federal Data	
(109.7 HCF – See Appendix C for Data & Calc.)	
Water	\$445.74
Sewer	Not sewerized
Combined	\$445.74

Commercial Water Rates:

Base charge per quarterly bill includes	
0 – 10 HCF	\$33.00
>10 – 50 HCF	\$ 2.86/HCF
>50 HCF	\$ 3.10 "

Commercial Sewer Rates:

n/a

- ◆ Lynnfield has a 10% discount for water service for all customers if bill is paid within 20 days.
- ◆ A portion of the water district's budget is raised via the property tax.

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No response	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	No response	Miles of sewer pipeline replaced/rehabilitated in FY14	N/A
Water Capital Needs over Next Five Years	No response	Sewer Capital Needs over Next Five Years	N/A
Anticipated Water Capital Spending over Next Five Years	No response	Anticipated Sewer Capital Spending over Next Five Years	N/A
Stormwater			
Current Funding Source of Stormwater-Related Costs:		N/A	

Malden (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Minimum charge (5/8" meter) includes 0 - 0.5 HCF:	\$ 3.00/month
>0.5 - 8 HCF:	\$ 4.38/HCF
>8 - 120 HCF	\$ 9.78 "
>120 HCF	\$13.23 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Minimum charge (5/8" meter) includes 0 - 0.5 HCF:	\$ 3.00/month
>0.5 - 8 HCF:	\$ 5.38/HCF
>8 - 120 HCF	\$10.46 "
>120 HCF	\$12.02 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$664.92
Sewer	\$771.24
Combined	\$1,436.16
% change from 2014	10.9%

Annual Cost Based on Local, State & Federal Data (62.3 HCF – See Appendix C for Data & Calc.)	
Water	\$282.59
Sewer	\$338.89
Combined	\$621.49

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	3-6
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Marblehead (W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Administrative Charge	\$15.00/bill
0 – 30 HCF	\$ 4.70/HCF
>30 HCF	\$ 5.30 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Administrative Charge	\$12.25/bill
0 – 30 HCF	\$ 8.50/HCF
>30 HCF	\$ 9.10 "
Based on 100% of water usage.	

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	
Water	\$624.00
Sewer	\$1,069.00
Combined	\$1,693.00
% change from 2014	-1.2%

Annual Cost	
Based on Local, State & Federal Data	
(85.7 HCF – See Appendix C for Data & Calc.)	
Water	\$462.79
Sewer	\$777.45
Combined	\$1,240.24

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

- ◆ Marblehead is a member of the South Essex Sewerage District.
- ◆ Sewer deduct meters are utilized in Marblehead, reducing total sewerage bills on average by 20%.

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (Drain Dept. Budget)	

Marlborough (partial W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	General
In-City (All Units)	\$6.89/HCF
Out-of-City (All Units)	\$7.23
Billing Frequency:	Residential: Quarterly Commercial: Bi-Monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	General
In-City (All Units)	\$7.11/HCF
Out-of-City (All Units)	\$7.46
	Based on 100% of water consumption

**Annual Cost (In-City)
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$826.80
Sewer	\$853.20
Combined	\$1,680.00
% change from 2014	23.0%

**Annual Cost (In-City)
Based on Local, State & Federal Data
(52.2 HCF – See Appendix C for Data & Calc.)**

Water	\$359.66
Sewer	\$371.14
Combined	\$730.80

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Medford (W/S)

Residential Water Rates:

Last adjusted:	June 2014
Next adjustment scheduled:	January 2016
Fund:	Enterprise
0 – 8 HCF	\$5.74/HCF
8 – 16 HCF	\$6.14/ "
>16 HCF	\$6.54/ "
Billing Frequency:	Bi-monthly

Residential Sewer Rates:

Last adjusted:	June 2014
Next adjustment scheduled:	January 2016
Fund:	Enterprise
0 – 8 HCF	\$7.17/HCF
8 – 16 HCF	\$7.67/ "
>16 HCF	\$8.17/ "

Based on 100% of water usage.

Billing Frequency: Bi-monthly

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	
Water	\$727.20
Sewer	\$908.40
Combined	\$1,635.60
% change from 2014	0.0%

Annual Cost	
Based on Local, State & Federal Data	
(55.3 HCF – See Appendix C for Data & Calc.)	
Water	\$317.42
Sewer	\$396.50
Combined	\$713.92

Commercial Water Rates:

All Units: \$6.14/HCF

Commercial Sewer Rates:

All Units: \$7.67/HCF

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (Operating Budget)	

- Stormwater is funded through Medford's annual operating budget and, less frequently, via special assessment. The operating budget is typically the largest source of funding.
- Tax exempt properties and residential units with 5 units or more are billed at the commercial and industrial flat rate of \$6.14/HCF for water and \$7.67/HCF for sewer.
- 2nd meter (irrigation) rate is \$6.54/HCF for all residential units with city irrigation meter.

Melrose (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base Fee (up to 1" meter) \$15.00/quarter
 0 – 20 HCF \$ 6.07/HCF
 >20 – 100 HCF \$ 8.12/ "
 >100 HCF \$ 9.04/ "
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base Fee (up to 1" meter) \$ 5.00/quarter
 0 – 20 HCF \$10.21/HCF
 >20 – 100 HCF \$12.41/ "
 >100 HCF \$13.07/ "
 Based on 100% water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$870.40
Sewer	\$1,184.28
Combined	\$2,054.68
% change from 2014	5.8%

Annual Cost Based on Local, State & Federal Data (53.1 HCF – See Appendix C for Data & Calc.)	
Water	\$382.32
Sewer	\$562.15
Combined	\$944.47

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:		No Response	

Milton (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge includes	
0 – 6 HCF	\$32.58/bill
>6 – 30 HCF	\$ 6.57 /HCF
>30 – 60 HCF	\$ 7.24 "
>60 HCF	\$ 7.69 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge includes	
0 – 6 HCF	\$37.38/bill
>6 – 30 HCF	\$11.75/HCF
>30 – 60 HCF	\$12.95 "
>60 HCF	\$13.82 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$761.04
Sewer	\$1,277.52
Combined	\$2,038.56
% change from 2014	3.2%

Annual Cost Based on Local, State & Federal Data (76.9 HCF – See Appendix C for Data & Calc.)	
Water	\$547.89
Sewer	\$771.10
Combined	\$1,318.98

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$100 thousand – \$1 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Nahant (W)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$6.95/HCF
 Billing Frequency: Tri-Annually

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$8.89/HCF
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$834.00
Sewer	\$1,066.80
Combined	\$1,900.80
% change from 2014	1.5%

Annual Cost Based on Local, State & Federal Data (98.3 HCF – See Appendix C for Data & Calc.)	
Water	\$683.18
Sewer	\$873.89
Combined	\$1,557.07

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

- ◆ Nahant receives wholesale wastewater services from the Lynn Water and Sewer Commission.
- ◆ Nahant utilizes the debt service exclusion as permitted under General Law 59 Section 21C(n)

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$100 thousand – \$1 million	Anticipated Sewer Capital Spending over Next Five Years	\$100 thousand – \$1 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Natick (S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Administrative Fee \$5.00/bill
 0 – 10 HCF \$1.68/HCF
 >10 – 20 HCF \$2.57 "
 >20 – 40 HCF \$3.80 "
 >40 HCF \$9.57 "
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 0 – 10 HCF \$ 4.53/HCF
 >10 – 20 HCF \$ 8.07 "
 >20 HCF \$13.34 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$342.00
Sewer	\$1,037.60
Combined	\$1,379.60
% change from 2014	2.0%

Annual Cost Based on Local, State & Federal Data (74.3 HCF – See Appendix C for Data & Calc.)	
Water	\$175.35
Sewer	\$478.00
Combined	\$653.35

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Needham (S/partial W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Basic Service Fee:	\$15.00
0 – 6 HCF	\$ 3.10/HCF
>6 – 27 HCF	\$ 3.40 "
>27 – 42 HCF	\$ 4.30 "
>42 HCF	\$ 5.10 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Basic Service Fee:	\$ 9.00
0 – 6 HCF	\$ 8.49/HCF
>6 – 27 HCF	\$ 8.99 "
>27 – 42 HCF	\$ 9.99 "
>42 HCF	\$10.99 "

Based on 100% of water usage.

Billing Frequency:

Residential – Quarterly, Commercial - Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$471.60
Sewer	\$1,114.80
Combined	\$1,586.40
% change from 2014	1.5%

Annual Cost Based on Local, State & Federal Data (93.3 HCF – See Appendix C for Data & Calc.)	
Water	\$370.02
Sewer	\$862.77
Combined	\$1,232.79

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Newton (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 10 HCF	\$ 6.10/HCF
>10 – 25 HCF	\$ 7.00 "
>25 – 60 HCF	\$ 8.00 "
>60 HCF	\$10.00 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	July 2015
Fund:	Enterprise
0 – 10 HCF	\$ 9.25/HCF
>10 – 25 HCF	\$ 9.75 "
>25 – 60 HCF	\$11.50 "
>60 HCF	\$13.25 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$824.00
Sewer	\$1,185.00
Combined	\$2,009.00
% change from 2014	4.6%

Annual Cost Based on Local, State & Federal Data (64.7 HCF – See Appendix C for Data & Calc.)	
Water	\$416.90
Sewer	\$610.83
Combined	\$1,027.73

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	3 – 6	Miles of sewer pipeline replaced/rehabilitated in FY14	7 – 9
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$20 – 50 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Special Assessment/Fee	

Newton is 1 of 3 MWRA communities that has established a special assessment to fund stormwater-related costs. The stormwater fee is \$18.75 per quarter; \$75 per year. For more information, see [Appendix G](#).

Northborough (partial W)

Residential Water Rates:

Last adjusted: December 2013
 Next adjustment scheduled: July 2016
 Fund: Enterprise

Base charge	\$10.00/bill
0 – 20 HCF	\$ 4.276/HCF
>20 – 60 HCF	\$ 5.125 "
>60 HCF	\$ 6.316 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: September 2015
 Next adjustment scheduled: September 2016
 Fund: Enterprise

0 – 20 HCF	\$7.500/HCF
>20 – 60 HCF	\$7.788 "
>60 HCF	\$8.136 "

Based on 100% of water usage.

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$587.08
Sewer	\$911.52
Combined	\$1,498.60
% change from 2014	11.3%

**Annual Cost
Based on Local, State & Federal Data
(59.6 HCF – See Appendix C for Data & Calc.)**

Water	\$294.85
Sewer	\$447.00
Combined	\$741.85

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community

Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System			
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$100 thousand – \$1 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – \$5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Norwood (W/S)

Residential Water Rates:

Last adjusted: May 2014
 Next adjustment scheduled: May 2015
 Fund: General
 Meter charge (5/8") \$2.66/month
 0 – 5 HCF \$3.55/HCF
 >5 HCF \$5.25 "
 Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: May 2014
 Next adjustment scheduled: May 2015
 Fund: General
 0 – 3 HCF \$ 7.26/HCF
 >3 HCF \$14.01 "
 Based on 60% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$600.12
Sewer	\$829.08
Combined	\$1,429.20
% change from 2014	7.8%

Annual Cost Based on Local, State & Federal Data (64.0 HCF – See Appendix C for Data & Calc.)	
Water	\$276.40
Sewer	\$301.82
Combined	\$578.22

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Peabody (partial W)

Residential Water Rates:

Last adjusted: March 2003
 Next adjustment scheduled: No response
 Fund: General

Minimum Charge: \$5.00/Quarter
 0 – 15 HCF \$2.44/HCF
 >15 – 30 HCF \$2.66 "
 >30 HCF \$2.90 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: March 2003
 Next adjustment scheduled: No response
 Fund: General

0 – 15 HCF \$3.25/HCF
 >15 HCF \$3.58 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$306.00
Sewer	\$409.80
Combined	\$715.80
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (66.2 HCF – See Appendix C for Data & Calc.)	
Water	\$162.89
Sewer	\$217.20
Combined	\$380.09

Commercial Water Rates:

0 – 15 HCF	\$2.90/HCF
>15 – 150 HCF	\$3.16 "
>150 HCF	\$3.44 "

Commercial Sewer Rates:

0 – 15 HCF	\$3.75/HCF
>15 HCF	\$4.13 "

- ◆ Peabody receives wholesale wastewater service from the South Essex Sewerage District.

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$5 - 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Quincy (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$5.92/HCF
 Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$12.98/HCF
 Based on 70% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$710.40
Sewer	\$1,090.32
Combined	\$1,800.72
% change from 2014	5.3%

Annual Cost Based on Local, State & Federal Data (44.9 HCF – See Appendix C for Data & Calc.)	
Water	\$265.81
Sewer	\$407.96
Combined	\$673.77

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	3 – 6	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Randolph (S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge: \$25.00/bill
 0 – 25 HCF \$ 3.97/HCF
 >25 HCF \$ 5.04/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge: \$12.50/bill
 0 – 25 HCF \$ 6.46/HCF
 >25 HCF \$11.10 "
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$597.80
Sewer	\$825.20
Combined	\$1,423.00
% change from 2014	-3.4%

Annual Cost Based on Local, State & Federal Data (69.3 HCF – See Appendix C for Data & Calc.)	
Water	\$375.12
Sewer	\$497.68
Combined	\$872.80

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:
Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
		Yes, Senior	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$20 – 50 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Reading (W/S)

Residential Water Rates:

Last adjusted: December 2015
 Next adjustment scheduled: No response
 Fund: Enterprise
 Minimum bill: \$18.90
 All units \$ 8.83/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: December 2015
 Next adjustment scheduled: No response
 Fund: Enterprise
 Minimum bill: \$21.12
 All units \$ 9.76/HCF
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$1,059.60
Sewer	\$1,171.20
Combined	\$2,230.80
% change from 2014	-4.9%

Annual Cost Based on Local, State & Federal Data (59.4 HCF – See Appendix C for Data & Calc.)	
Water	\$524.50
Sewer	\$579.74
Combined	\$1,104.25

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Special Assessment		

- Reading's rates appear to decrease due to the removal of the prompt payment discount, which has now been built into the rates.
- Reading is 1 of 3 MWRA communities that has established a special assessment to fund stormwater-related costs. The stormwater fee is \$10 per quarter; \$40 per year. For more information, see [Appendix G](#).

Revere (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$3.82/HCF

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$12.10/HCF
 Based on 100% of water usage.

Billing Frequency: Residential: Quarterly

Commercial: Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$458.40
Sewer	\$1,452.00
Combined	\$1,910.40
% change from 2014	1.9%

Annual Cost Based on Local, State & Federal Data (48.7 HCF – See Appendix C for Data & Calc.)	
Water	\$186.03
Sewer	\$589.27
Combined	\$775.30

Commercial Water Rates:

All units: \$5.76/HCF

Commercial Sewer Rates:

All units: \$17.34/HCF

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	3 – 6	Miles of sewer pipeline replaced/rehabilitated in FY14	Over 6
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$20 – 50 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Saugus (W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum Charge (20 HCF)	\$79.20
>20 – 30 HCF	\$ 4.21/HCF
>30 – 60 HCF	\$ 5.63 "
>60 – 100 HCF	\$ 7.04 "
>100 – 200 HCF	\$ 7.85 "
>200 – 500 HCF	\$ 8.80 "
>500 – 1,000 HCF	\$ 9.48 "
>1,000 HCF	\$ 9.75 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum Charge (20 HCF)	\$61.80
>20 – 30 HCF	\$ 2.27/HCF
>30 – 60 HCF	\$ 3.09 "
>60 – 100 HCF	\$ 4.33 "
>100 – 200 HCF	\$ 5.36 "
>200 – 500 HCF	\$ 6.39 "
>500 – 1,000 HCF	\$ 7.11 "
>1,000 HCF	\$ 7.42 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$580.40
Sewer	\$354.40
Combined	\$934.80
% change from 2014	3.1%

Annual Cost Based on Local, State & Federal Data (80.4 HCF – See Appendix C for Data & Calc.)	
Water	\$357.45
Sewer	\$232.04
Combined	\$589.49

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	Yes	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Somerville (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 13 HCF	\$4.14/HCF
>13 – 67 HCF	\$5.97 "
>67 – 133 HCF	\$6.26 "
>133 HCF	\$6.50 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 13 HCF	\$7.08/HCF
>13 – 67 HCF	\$9.04 "
>67 – 133 HCF	\$9.48 "
>133 HCF	\$9.81 "

Based on 100% of water usage.

Billing Frequency:

Residential: Tri-Annually

Commercial: Bi-Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$645.03
Sewer	\$1,008.36
Combined	\$1,653.39
% change from 2014	11.0%

Annual Cost Based Local, State & Federal Data (52.5 HCF – See Appendix C for Data & Calc.)	
Water	\$242.06
Sewer	\$398.16
Combined	\$640.22

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

South Hadley (partial W)

Residential Water Rates:

Last adjusted: June 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Base charge \$5.00/family unit
 All units \$3.77/HCF

Residential Sewer Rates:

Last adjusted: Not applicable
 Next adjustment scheduled: Not applicable
 Fund: Not applicable
 Community not sewerized.

Billing Frequency: Quarterly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$472.40
Sewer	Not Sewered
Combined	\$472.40
% change from 2014	4.8%

Annual Cost Based on Local, State & Federal Data (60.7 HCF – See Appendix C for Data & Calc.)	
Water	\$248.84
Sewer	Not Sewered
Combined	\$248.84

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	N/A
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	N/A
Anticipated Water Capital Spending over Next Five Years	\$100 thousand – \$1 million	Anticipated Sewer Capital Spending over Next Five Years	N/A
Stormwater			
Current Funding Source of Stormwater-Related Costs:	N/A		

Southborough (W)

Residential Water Rates:

Last adjusted:	September 2015
Next adjustment scheduled:	September 2016
Fund:	Special Revenue
Minimum charge (5/8" meter) includes first 10 HCF	\$29.37
>10 – 20 HCF	\$ 3.61/HCF
>20 – 35 HCF	\$ 4.13 "
>35 – 80 HCF	\$ 5.16 "
>80 HCF	\$ 6.20 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	n/a
Next adjustment scheduled:	n/a
Fund:	n/a

Community not sewerized.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$427.08
Sewer	Not Sewered
Combined	\$427.08
% change from 2014	4.1%

Annual Cost Based on Local, State & Federal Data (98.0 HCF – See Appendix C for Data & Calc.)	
Water	\$336.22
Sewer	Not Sewered
Combined	\$336.22

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Not sewerized

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50 – 70%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	N/A
Water Capital Needs over Next Five Years	\$5 – 10 million	Sewer Capital Needs over Next Five Years	N/A
Anticipated Water Capital Spending over Next Five Years	\$5 million	Anticipated Sewer Capital Spending over Next Five Years	N/A
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Stoneham (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$6.00/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$9.05/HCF
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$720.00
Sewer	\$1,086.00
Combined	\$1,806.00
% change from 2014	1.7%

Annual Cost Based on Local, State & Federal Data (71.8 HCF – See Appendix C for Data & Calc.)	
Water	\$430.80
Sewer	\$649.79
Combined	\$1,080.59

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	3 – 6
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Stoneham's biggest water customer using $\frac{1}{3}$ of water (Kraft/Gelatin) went out of business. The degree of the water adjustment is hoped to be a one-year increase.

Stoughton (S/ partial W)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Service Charge (5/8" meter)	\$12.00/bill
0 - 26 HCF	\$ 3.86/HCF
>26 - 59 HCF	\$ 5.69 "
>59 HCF	\$ 7.88 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge (7.8 HCF)	\$74.78
All units	\$ 9.60/HFC
Based on 100% of water usage.	

Customers with private wells pay a flat charge per billing period of: \$191.83 per condominium, \$287.89 per private home.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$540.48
Sewer	\$1,152.00
Combined	\$1,692.48
% change from 2014	0.7%

Annual Cost Based on Local, State & Federal Data (61.0 HCF – See Appendix C for Data & Calc.)	
Water	\$283.46
Sewer	\$585.60
Combined	\$869.06

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Over 6 miles
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy*	

*Stormwater-related costs are recovered through the general fund, a revolving account and permit fees.

Swampscott (W)

Residential Water Rates:

Last adjusted: Nov. 2013
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base Charge \$11.00/bill
 All units \$ 6.20/HFC
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: Nov. 2013
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base Charge \$8.75/bill
 All units \$5.45/HFC
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$788.00
Sewer	\$689.00
Combined	\$1,477.00
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (92.2 HCF – See Appendix C for Data & Calc.)	
Water	\$615.64
Sewer	\$537.49
Combined	\$1,153.13

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Wakefield (S/ partial W)

Residential Water Rates:

Last adjusted: June 2015
 Next adjustment scheduled: June 2016
 Fund: Enterprise
 All units \$5.65/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: June 2015
 Next adjustment scheduled: June 2016
 Fund: Enterprise
 All units \$10.45/HCF
 Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$610.20
Sewer	\$1,128.60
Combined	\$1,738.80
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (76.8 HCF – See Appendix C for Data & Calc.)	
Water	\$390.53
Sewer	\$722.30
Combined	\$1,112.83

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

- The rates calculated above include a 10% discount for all bills paid within 30 days of the bill date. The Town of Wakefield estimates that 95% of the customer base takes advantage of the discount. Without this discount, the annual cost for 120 HCF would be \$678.00 for water and \$1,254.00 for sewer.

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes, grandfathered only	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$100 thousand – \$1 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Wakefield has a moratorium on second meters; units in place before the moratorium are allowed second meters.

Walpole (S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$5.488/HCF

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$8.259/HCF

Based on 80% of water usage.

Billing Frequency: Residential: Bi-Monthly

Commercial: Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$658.56
Sewer	\$792.86
Combined	\$1,451.42
% change from 2014	6.2%

Annual Cost Based on Local, State & Federal Data (86.5 HCF – See Appendix C for Data & Calc.)	
Water	\$474.71
Sewer	\$571.52
Combined	\$1,046.23

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
	Yes		No
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Waltham (W/S)

Residential Water Rates:

Last adjusted:	January 2012
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Minimum Charge:	\$9.00
0 – 21 HCF	\$3.23/HCF
>21 – 45 HCF	\$4.37 "
>45 – 120 HCF	\$7.00 "
>120 HCF	\$9.36 "

Residential Sewer Rates:

Last adjusted:	January 2012
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Minimum Charge:	\$ 5.75
0 – 21 HCF	\$ 5.75/HCF
>21 – 45 HCF	\$ 7.50 "
>45 – 120 HCF	\$11.33 "
>120 HCF	\$13.69 "

Based on 100% of water usage.

Billing Frequency:

Residential: Quarterly, Commercial: Monthly

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	
Water	\$428.64
Sewer	\$753.00
Combined	\$1,181.64
% change from 2014	0.0%

Annual Cost	
Based on Local, State & Federal Data	
(66.4 HCF – See Appendix C for Data & Calc.)	
Water	\$214.47
Sewer	\$381.80
Combined	\$596.27

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$10 – 20 million	Sewer Capital Needs over Next Five Years	\$10 – 20 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$5 – 10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		General Obligation Bonds	

Watertown (W/S)

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base charge (5/8")	\$ 6.87/bill
0 – 30 HCF	\$ 4.48/HCF
>30 – 300 HCF	\$ 6.96 "
>300 HCF	\$10.99 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 30 HCF	\$ 8.06/HCF
>30 – 300 HCF	\$10.42 "
>300 HCF	\$13.95 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$565.08
Sewer	\$967.20
Combined	\$1,532.28
% change from 2014	3.7%

Annual Cost Based on Local, State & Federal Data (62.9 HCF – See Appendix C for Data & Calc.)	
Water	\$309.27
Sewer	\$506.97
Combined	\$816.25

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	No Response	MWRA Charges as % of Total Community Sewer Expenses	No Response
Miles of water pipeline replaced/rehabilitated in FY14	No Response	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	No Response	Sewer Capital Needs over Next Five Years	No Response
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Wellesley (S/partial W)

Residential Water Rates:

Last adjusted:	July 2011
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$4.64/bill
0 – 5 HCF	\$2.99/HCF
5 – 12 HCF (except for peak use)	\$3.51 "
Peak Use Charges (May – October):	
>12 – 24 HCF	\$5.57 "
>24 – 36 HCF	\$7.21 "
>36 HCF	\$9.18 "
Billing Frequency:	Monthly

Residential Sewer Rates:

Last adjusted:	July 2013
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$1.50/bill
All units	\$8.28/HCF
	Based on 100% of water usage.

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$445.68
Sewer	\$1,011.60
Combined	\$1,457.28
% change from 2014	0.0%

**Annual Cost
Based on Local, State & Federal Data
(88.7 HCF – See Appendix C for Data & Calc.)**

Water	\$335.82
Sewer	\$752.44
Combined	\$1,088.25

Commercial Water Rates:

1 – 5 HCF	\$2.99
5 – 12 HCF	\$3.51
Peak Use Charges (May – October)	
> 12 HCF	\$5.57

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Weston (W)

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Base charge (5/8" meter)	\$21.00/bill
1 – 50 HCF	\$ 1.40 "
>50 HCF	\$ 5.41 "
Billing Frequency:	Semi-Annually

Residential Sewer Rates:

Last adjusted:	Not applicable
Next adjustment scheduled:	Not applicable
Fund:	Not applicable

Community not sewerized.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$290.20
Sewer	Not Sewered
Combined	\$290.20
% change from 2014	4.0%

Annual Cost Based on Local, State & Federal Data (146.4 HCF – See Appendix C for Data & Calc)	
Water	\$433.02
Sewer	Not Sewered
Combined	\$433.02

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Not sewerized

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Both
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	N/A
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	N/A
Anticipated Water Capital Spending over Next Five Years	\$100 thousand – \$1 million	Anticipated Sewer Capital Spending over Next Five Years	N/A
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Westwood (S)

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Minimum charge (5/8" meter) includes first 3 HCF	\$36.96/quarter
>3 – 42 HCF	\$ 4.34/HCF
>43 – 75 HCF	\$ 7.05 "
>75 HCF	\$ 9.13 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge (5/8" meter) includes first 3 HCF	\$15.00/quarter
>0 – 25 HCF	\$ 5.70/HCF
>25 – 70 HCF	\$ 8.50 "
>70 HCF	\$15.25 "

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$616.56
Sewer	\$828.00
Combined	\$1,444.56
% change from 2014	1.8%

Annual Cost Based on Local, State & Federal Data (73.7 HCF – See Appendix C for Data & Calc.)	
Water	\$467.70
Sewer	\$508.09
Combined	\$975.79

Commercial Water Rates:

Minimum charge (5/8" meter) includes first 9 HCF	\$53.76
All units in excess of allowance	\$ 4.25/HCF

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	
		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$5 – 10 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Weymouth (S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Base charge ($\frac{5}{8}$ " meter) \$12.21/bill
 0 – 27 HCF \$ 4.31/HCF
 >27 HCF \$ 7.32 "
 Billing Frequency: Residential: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge ($\frac{5}{8}$ " meter) \$ 5.77/bill
 0 – 27 HCF \$ 7.66/HCF
 >27 HCF \$13.03 "
 Based on 100% of water usage.
 Commercial: Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$602.16
Sewer	\$1,006.72
Combined	\$1,608.88
% change from 2014	2.6%

Annual Cost Based on Local, State & Federal Data (59.0 HCF – See Appendix C for Data & Calc.)	
Water	\$303.13
Sewer	\$587.62
Combined	\$890.75

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
MWRA Charges as % of Total Community Water Expenses	N/A	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Wilbraham (W)

Residential Water Rates:

Last adjusted: October 2014
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum bill	\$57.75
0 – 100 HCF	\$ 3.85/HCF
>100 – 200 HCF	\$ 4.05 "
>200 HCF	\$ 4.25 "

Billing Frequency: Semi-annually

Residential Sewer Rates:

Last adjusted: October 2008
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum bill	\$52.50
All units	\$ 4.10/HCF

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$494.40
Sewer	\$492.00
Combined	\$986.40
% change from 2014	3.4%

Annual Cost Based on Local, State & Federal Data (67.8 HCF – See Appendix C for Data & Calc.)	
Water	\$279.34
Sewer	\$277.98
Combined	\$557.32

Commercial Water Rates:

All units \$3.85/HCF
 Commercial Minimum: same as residential

Commercial Sewer Rates:

All units \$ 5.00/HCF
 Commercial Minimum: \$60.00

- Wilbraham receives wholesale water from MWRA and wastewater services from the City of Springfield.

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	No Response
Water Capital Needs over Next Five Years	\$0-10 million	Sewer Capital Needs over Next Five Years	\$0-10 million
Anticipated Water Capital Spending over Next Five Years	No Response	Anticipated Sewer Capital Spending over Next Five Years	No Response
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Wilmington (S/partial W)

Residential Water Rates:

Last adjusted:	September 2008
Next adjustment scheduled:	Unknown
Fund:	Special Revenue
0 – 10 HCF	\$3.27/HCF
>10 – 20 HCF	\$3.62 "
>20 – 30 HCF	\$4.35 "
>30 HCF	\$5.81 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	April 2010
Next adjustment scheduled:	Unknown
Fund:	General

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$449.60
Sewer	\$598.80
Combined	\$1,048.40
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (77.2 HCF – See Appendix C for Data & Calc.)	
Water	\$265.46
Sewer	\$385.23
Combined	\$650.69

Commercial Water Rates:

0 – 50 HCF	\$3.57/HCF
>50 – 200 HCF	\$3.82 "
>200 HCF	\$4.18 "

Commercial Sewer Rates:

All units	\$5.97/HCF
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Additional 2015 Data by Community			
Does this Community Use Second Meters?		Does this Community Offer Senior and/or Low Income Discounts?	No
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	0-25%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Tax Levy (DPW Budget)	

Winchester (S/ partial W)

Residential Water Rates:

Last adjusted:	November 2006
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Service charge	\$5.00/bill
0 – 15 HCF	\$1.22/HCF
>15 – 45 HCF	\$3.04 "
>45 HCF	\$4.86 "
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	November 2006
Next adjustment scheduled:	Unknown
Fund:	Enterprise
0 – 15 HCF	\$1.25/HCF
>15 – 45 HCF	\$3.97 "
>45 HCF	\$6.16 "

Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$275.60
Sewer	\$313.20
Combined	\$588.80
% change from 2014	0.0%

Annual Cost
Based on Local, State & Federal Data
(95.9 HCF – See Appendix C for Data & Calc.)

Water	\$202.34
Sewer	\$217.52
Combined	\$419.86

Commercial Water Rates:

0 – 75 HCF	\$4.92/HCF
>75 HCF	\$6.03 "

Commercial Sewer Rates:

0 – 75 HCF	\$6.42/HCF
>75 HCF	\$8.71 "

- ◆ Winchester utilizes the debt service exclusion as permitted under General Law 59 Section 21C(n)

Additional 2015 Data by Community
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Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Low Income
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	25-50%	MWRA Charges as % of Total Community Sewer Expenses	25-50%
Miles of water pipeline replaced/rehabilitated in FY14	Less than 1	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Water/Sewer Rates		

Winthrop (W/S)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge \$18.27/quarter
 All units \$ 6.50/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2014
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge \$31.73/quarter
 All units \$ 9.90/HCF

Based on 100% of water usage.

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$780.00
Sewer	\$1,188.00
Combined	\$1,968.00
% change from 2014	2.8%

Annual Cost Based on Local, State & Federal Data (59.4 HCF – See Appendix C for Data & Calc.)	
Water	\$359.37
Sewer	\$588.06
Combined	\$947.43

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	No
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	50-75%	MWRA Charges as % of Total Community Sewer Expenses	50-75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	Less than 1
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1 – 5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

The 2013 document misstated the water and sewer rates for Winthrop. The 2013 figures were corrected in this document so that the percentage change from 2013 to 2014 is accurate. See [Appendix A](#) for updated 2013 data.

Woburn (S/ partial W)

Residential Water Rates:

Last adjusted: July 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Flat rate of \$102.50 per bill
 Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: July 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Flat rate of \$164.00 per bill

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$205.00
Sewer	\$328.00
Combined	\$533.00
% change from 2014	0.0%

Annual Cost Based on Local, State & Federal Data (128.2 HCF – See Appendix C for Data & Calc.)	
Water	\$205.00
Sewer	\$328.00
Combined	\$533.00

Commercial Water Rates:

Minimum charge: \$113.21
 All units \$ 4.60/HCF

Commercial Sewer Rates:

Minimum charge: \$344.15
 All units 304% of water bill

Additional 2015 Data by Community			
Does this Community Use Second Meters?	No	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	Over 75%
Miles of water pipeline replaced/rehabilitated in FY14	1 – 3	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	\$0 – 10 million	Sewer Capital Needs over Next Five Years	\$0 – 10 million
Anticipated Water Capital Spending over Next Five Years	\$1 – 5 million	Anticipated Sewer Capital Spending over Next Five Years	\$1-5 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:	Tax Levy (DPW Budget)		

Worcester (partial W)

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Minimum charge \$4.50/quarter
 All units \$3.60/HCF

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Minimum charge \$10.00/quarter
 All units \$ 6.62/HCF
 Based on 80% of water usage.
 (For meters 1" and larger, sewer usage is based upon 100% of water usage)

Billing Frequency: Mostly Quarterly, some Monthly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)	
Water	\$432.00
Sewer	\$635.52
Combined	\$1,067.52
% change from 2014	3.8%

Annual Cost Based on Local, State & Federal Data (61.3 HCF – See Appendix C for Data & Calc)	
Water	\$165.24
Sewer	\$324.64
Combined	\$489.88

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential (see note above)

Additional 2015 Data by Community			
Does this Community Use Second Meters?	Yes	Does this Community Offer Senior and/or Low Income Discounts?	Yes, Senior
Water System		Sewer System	
MWRA Charges as % of Total Community Water Expenses	0-25%	MWRA Charges as % of Total Community Sewer Expenses	N/A
Miles of water pipeline replaced/rehabilitated in FY14	3 – 6	Miles of sewer pipeline replaced/rehabilitated in FY14	1 – 3
Water Capital Needs over Next Five Years	Over \$50 million	Sewer Capital Needs over Next Five Years	Over \$50 million
Anticipated Water Capital Spending over Next Five Years	Over \$10 million	Anticipated Sewer Capital Spending over Next Five Years	Over \$10 million
Stormwater			
Current Funding Source of Stormwater-Related Costs:		Water/Sewer Rates	

SELECT NON-MWRA MASSACHUSETTS COMMUNITIES 2015 WATER AND SEWER CHARGES



map228-2

**COMPARATIVE ANNUAL RESIDENTIAL WATER AND SEWER CHARGES FOR SELECTED
NON-MWRA COMMUNITIES IN MASSACHUSETTS**

2015

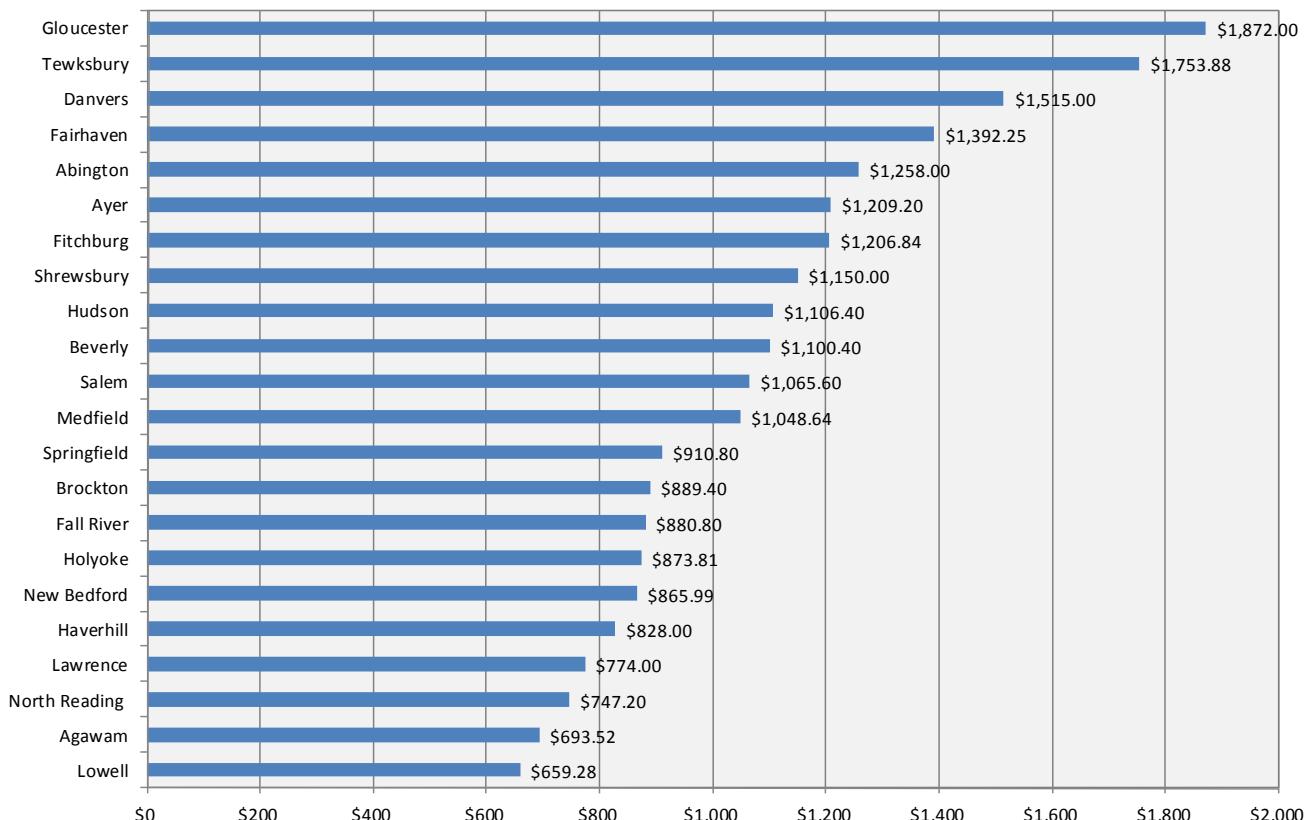
	Water	Sewer	Combined	Change
Abington	\$618.00	\$640.00	\$1,258.00	0.0%
Agawam	\$317.20	\$376.32	\$693.52	9.9%
Ayer	\$336.40	\$872.80	\$1,209.20	6.6%
Beverly	\$427.20	\$673.20	\$1,100.40	2.5%
Brockton	\$443.40	\$446.00	\$889.40	0.0%
Danvers	\$744.60	\$770.40	\$1,515.00	0.0%
Fairhaven	\$618.25	\$774.00	\$1,392.25	0.0%
Fall River	\$366.00	\$514.80	\$880.80	2.8%
Fitchburg	\$367.44	\$839.40	\$1,206.84	0.0%
Gloucester	\$630.00	\$1,242.00	\$1,872.00	5.2%
Haverhill	\$333.60	\$494.40	\$828.00	4.4%
Holyoke	\$387.81	\$486.00	\$873.81	0.0%
Hudson	\$471.60	\$634.80	\$1,106.40	0.0%
Lawrence	\$372.00	\$402.00	\$774.00	0.0%
Lowell	\$249.12	\$410.16	\$659.28	4.3%
Medfield	\$425.32	\$623.32	\$1,048.64	4.3%
New Bedford	\$297.99	\$568.00	\$865.99	0.0%
North Reading	\$747.20	Not sewerered	\$747.20	7.8%
Salem	\$350.40	\$715.20	\$1,065.60	2.3%
Shrewsbury	\$355.00	\$795.00	\$1,150.00	Unknown
Springfield	\$363.60	\$547.20	\$910.80	4.7%
Tewksbury	\$887.82	\$866.06	\$1,753.88	5.5%
AVERAGE	\$459.54	\$651.96	\$1,111.50	3.4%

Water and sewer charges based on an annual water consumption of 120 HCF ≈ 90 kgal

Average does not include unavailable data or non-sewered communities.

**COMPARATIVE CHART OF RESIDENTIAL COMBINED
WATER AND SEWER CHARGES 2015**

*Community does not offer municipal sewer services, only water rate is reflected.



Abington

Residential Water Rates:

Last adjusted: December 2012
 Next adjustment scheduled: Unknown
 Fund: Special Revenue
 Base charge \$42.00/bill
 All units \$ 3.75/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: October 2009
 Next adjustment scheduled: No response
 Fund: Enterprise
 Minimum Charge \$10.00/bill
 0 – 30 HCF \$ 5.00/HCF
 >30 HCF \$ 7.00 "
 Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$618.00
Sewer	\$640.00
Combined	\$1,258.00
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Agawam

Residential Water Rates:

Last adjusted: September 2014
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Annual service charge \$70.00
 0 – 40 CF \$ 1.90/HCF
 >40 CF \$ 2.38 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: January 2012
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Annual minimum charge \$24.00
 All units \$ 3.04/HCF
 Based on 90% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$317.20
Sewer	\$376.32
Combined	\$693.52
% change from 2014	9.9%

Commercial Water Rates:

Annual service charge \$70.00
 All units \$ 2.38/HCF

Senior and/or Low Income Discounts: Yes

Commercial Sewer Rates:

Same as residential except sewer usage is based
 on 100% of water usage.

Ayer

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge	\$10.00
0 – 60 HCF	\$ 2.47/HCF
>60 – 120 HCF	\$ 3.07 "
>120 HCF	\$ 3.62 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Minimum charge	\$10.00
0 – 60 HCF	\$ 6.94/HCF
>60 – 120 HCF	\$ 7.94 "
>120 HCF	\$ 9.04 "

Based on 100% of water usage.

Billing Frequency:

Residential: Semi-Annually, Commercial: Quarterly

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$336.40
Sewer	\$872.80
Combined	\$1,209.20
% change from 2014	6.6%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: No response

Commercial Sewer Rates:

Same as residential

Beverly

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
All units	\$3.56/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
All units	\$5.61/HCF

Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$427.20
Sewer	\$673.20
Combined	\$1,100.40
% change from 2014	2.5%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Brockton

Residential Water Rates:

Last adjusted:	July 2008
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum charge (5/8" meter)	\$22.43/bill
0 - 12.5 HCF	\$ 2.99/HCF "
>12 - 25 HCF	\$ 3.81 "
>25 - 50 HCF	\$ 5.17 "
>50 - 100 HCF	\$ 5.62 "
>100 - 250 HCF	\$ 5.87 "
>250 HCF	\$ 6.11 "

Residential Sewer Rates:

Last adjusted:	January 2010
Next adjustment scheduled:	Unknown
Fund:	Enterprise
0 - 12.5 HCF	\$ 2.93/HCF "
>12 - 25 HCF	\$ 3.91 "
>25 - 50 HCF	\$ 5.20 "
>50 - 100 HCF	\$ 6.91 "
>100 - 250 HCF	\$ 9.22 "
>250 - 8750 HCF	\$12.23 "
>8750 HCF	\$16.26 "

Based on 100% of water usage.

Billing Frequency:

Residential: Quarterly

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	

Water	\$443.40
Sewer	\$446.00
Combined	\$889.40
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Danvers

Residential Water Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base Charge	\$11.25/bill
0 - 20 HCF	\$ 5.60/HCF
>20 - 24 HCF	\$ 6.29 "
>24 HCF	\$ 8.07

Residential Sewer Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 - 20 HCF	\$ 6.33/HCF
>20 - 24 HCF	\$ 6.60 "
>24 HCF	\$ 7.93

Based on 100% of water usage.

Billing Frequency:

Residential: Quarterly Commercial: Monthly

Annual Cost	
AWWA Standard for Historical Comparison	
(120 HCF ≈ 90,000 gals.)	

Water	\$744.60
Sewer	\$770.40
Combined	\$1,515.00
% change from 2014	0.0%

Commercial Water

Rates:	
0 - 40 HCF	\$5.60/HCF
>40 HCF	\$6.29 "

Senior and/or Low Income Discounts: None

Commercial Sewer

Rates:	
0 - 40 HCF	\$6.33/HCF
>40 HCF	\$6.60 "

Fairhaven

Residential Water Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base Charge	\$50.00/bill
0 – 22.5 HCF	\$ 1.90/HCF
>22.5 – 45 HCF	\$ 4.65 "
>45 HCF	\$ 7.45

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted:	May 2013
Next adjustment scheduled:	Unknown
Fund:	Enterprise
All units	\$6.45/HCF

Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$618.25
Sewer	\$774.00
Combined	\$1,392.25
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Fall River

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Service connection fee (3/4" meter)	\$12.00/quarter
All units	\$ 2.65/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
All units	\$ 4.29/HCF
% change from 2014	2.8%

Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$366.00
Sewer	\$514.80
Combined	\$880.80
% change from 2014	2.8%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Stormwater Fee: \$35.00/quarter (not included in sewer calculation)

Commercial Sewer Rates:

Same as residential

Fitchburg

Residential Water Rates:

Last adjusted: July 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Base charge includes 5 HCF
 >5 HCF \$5.34/bill
 \$ 3.16/HCF

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: July 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Minimum includes 3 HCF
 >3HCF \$18.85/bill
 \$ 7.30/HCF
 Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$367.44
Sewer	\$839.40
Combined	\$1,206.84
% change from 2010	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

- If sewer usage exceeds minimum charge, the unit charge is applied to the full usage.
- Last year's survey incorrectly calculated Fitchburg's sewer charge. Adjustments have been made to both 2014 and 2015 calculations.

Gloucester

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$7.00/kgal

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 All units \$13.80/kgal
 Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$630.00
Sewer	\$1,242.00
Combined	\$1,872.00
% change from 2014	5.2%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Haverhill

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$2.78/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$4.12/HCF
 Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$333.60
Sewer	\$494.40
Combined	\$828.00
% change from 2014	4.4%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: 15% discount on both water and sewer for low income senior citizens over 65 years old

Commercial Sewer Rates:

Same as residential

Holyoke

Residential Water Rates:

Last adjusted: July 2009
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Minimum charge includes first 10,000 gallons \$43.09/bill
 >10,000 gallons \$ 4.309/kgal

Residential Sewer Rates:

Last adjusted: November 2008
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base charge \$5.00/bill
 All units \$5.40/kgal
 Based on 100% of water usage.

Billing Frequency: Quarterly

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$387.81
Sewer	\$486.00
Combined	\$873.81
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Two entities are provided with a commercial rate

Hudson

Residential Water Rates:

Last adjusted:	July 2013
Next adjustment scheduled:	No Response
Fund:	General
Minimum charge	\$14.68
>0 – 15 HCF	\$ 3.67/kgal
>15 – 30 HCF	\$ 4.19 "
>30 – 50 HCF	\$ 4.26 "
>50 – 150 HCF	\$ 4.33 "
>150 HCF	\$ 4.41 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2013
Next adjustment scheduled:	No Response
Fund:	General
Minimum charge includes 4 HCF	\$21.16/bill
All units	\$ 5.26/kgal
Based on 100% of water usage.	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$471.60
Sewer	\$634.80
Combined	\$1,106.40
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Lawrence

Residential Water Rates:

Last adjusted:	July 2009
Next adjustment scheduled:	No response
Fund:	Enterprise
All units	\$3.10/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2009
Next adjustment scheduled:	No response
Fund:	Enterprise
All units	\$3.35/HCF
Based on 100% of water usage.	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$372.00
Sewer	\$402.00
Combined	\$774.00
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Lowell

Residential Water Rates:

Last adjusted:	April 2011
Next adjustment scheduled:	Unknown
Fund:	Enterprise
0 – 50 HCF	\$2.076/HCF
>50 – 100 HCF	\$2.451 "
>100 – 200 HCF	\$2.490 "
>200 – 500 HCF	\$2.527 "
>500 HCF	\$2.547 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
0 – 50 HCF	\$3.418/HCF
>50 – 100 HCF	\$3.609 "
>100 – 200 HCF	\$3.665 "
>200 – 500 HCF	\$3.725 "
>500 HCF	\$3.780 "

Based on 100% of water usage.

Billing Frequency: Quarterly

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)

Water	\$249.12
Sewer	\$410.16
Combined	\$659.28
% change from 2014	4.3%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: Yes, senior citizen discount for water

Commercial Sewer Rates:

Same as residential

Medfield

Residential Water Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum bill includes 10,000 gals.	
>10 – 35 kgal	\$46.11/bill
>35 – 70 kgal	\$ 4.07/kgal
>70 kgal	\$ 6.48 "
	\$ 9.17 "

Residential Sewer Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum bill includes 10,000 gals.	
>10 kgal	\$82.07/bill
	\$ 8.67/kgal

Based on 75% of water usage.

Billing Frequency: Semi-Annually

Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.)

Water	\$425.32
Sewer	\$623.32
Combined	\$1,048.64
% change from 2014	4.3%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

New Bedford

Residential Water Rates:

Last adjusted: July 2014
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Base charge \$26.17/year
 Meter rental fee ($\frac{5}{8}$ " meter) \$11.42/year
 All units \$ 2.17/HCF

Residential Sewer Rates:

Last adjusted: June 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Base charge \$70.00/year
 All units \$ 4.15/HCF

Based on 100% of water usage.

Billing Frequency: Monthly

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF \approx 90,000 gals.)

Water	\$297.99
Sewer	\$568.00
Combined	\$865.99
% change from 2014	0.0%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

North Reading

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: No Response
 Fund: Enterprise
 Base Charge ($\frac{5}{8}$ " meter) \$ 5.00/bill
 0 – 40 kgal \$ 8.08/kgal
 >40 – 90 kgal \$11.85/ "
 >90 kgal \$16.15/ "
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: Not applicable
 Next adjustment scheduled: Not applicable
 Fund: Not applicable

Community not sewerized.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF \approx 90,000 gals.)

Water	\$747.20
Sewer	Not sewerized
Combined	\$747.20
% change from 2014	7.8%

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: Neither

Commercial Sewer Rates:

Same as residential

Salem

Residential Water Rates:

Last adjusted: August 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Minimum bill (.5" meter) \$29.20
 All units \$ 2.92/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: August 2015
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$5.96/HCF
 Based on 100% of water usage.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$350.40
Sewer	\$715.20
Combined	\$1,065.60
% change from 2014	2.3%

Commercial Water Rates:

All units \$3.96/HCF

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

0 – 250 HCF/month	\$ 9.03/HCF
>250 HCF/month	\$11.56/HCF

- The rates cited above exclude a 10% discount for all residential water (not sewer) bills paid within 20 days of the bill date.

Shrewsbury

Residential Water Rates:

Last adjusted: November 2012
 Next adjustment scheduled: Unknown
 Fund: No Response
 Minimum bill includes 5 kgal
 >5 – 25 kgal \$24.00/bill
 >25 – 60 kgal \$ 3.70/kgal
 >60 kgal \$ 6.90/ "
 \$14.00/ "

Residential Sewer Rates:

Last adjusted: January 2016
 Next adjustment scheduled: Unknown
 Fund: No Response
 Base charge \$30.00/bill
 All units \$ 7.50/kgal
 Based on 100% of water usage.

Billing Frequency: Quarterly

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$355.00
Sewer	\$795.00
Combined	\$1,150.00
% change from 2014	Unknown

Commercial Water Rates:

Minimum includes 5 kgal
 5 – 25 kgal \$36.00/bill
 >25 kgal \$ 2.80/kgal
 \$ 3.80/ "

Commercial Sewer Rates:

Base charge	\$30.00/bill
All units	\$ 9.30/kgal

Senior and/or Low Income Discounts: No response

Springfield

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Chapter 40N
Service charge (5/8" meter)	\$2.50/month
All units	\$2.78/HCF
Billing Frequency:	Monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Chapter 40N
All units	\$4.56/HCF
Based on 100% of water usage.	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$363.60
Sewer	\$547.20
Combined	\$910.80
% change from 2014	4.7%

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

All units	\$5.01/HCF
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Senior and/or Low Income Discounts: \$2.50/month discount for senior citizens, disabled or legally blind persons

Tewksbury

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
1 – 34 kgal/year	\$ 7.29/kgal
>34 – 70 kgal/year	\$10.31 "
>70 – 140 kgal/year	\$13.44 "
>140 kgal/year	\$16.63 "

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
1 – 34 kgal/year	\$ 7.49/kgal
>34 – 70 kgal/year	\$ 9.65 "
>70 – 140 kgal/year	\$13.20 "
>140 kgal/year	\$15.44 "
Based on 100% of water usage.	

Billing Frequency: Trianually

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$887.82
Sewer	\$866.06
Combined	\$1,753.88
% change from 2014	5.5%

Commercial Water Rates:

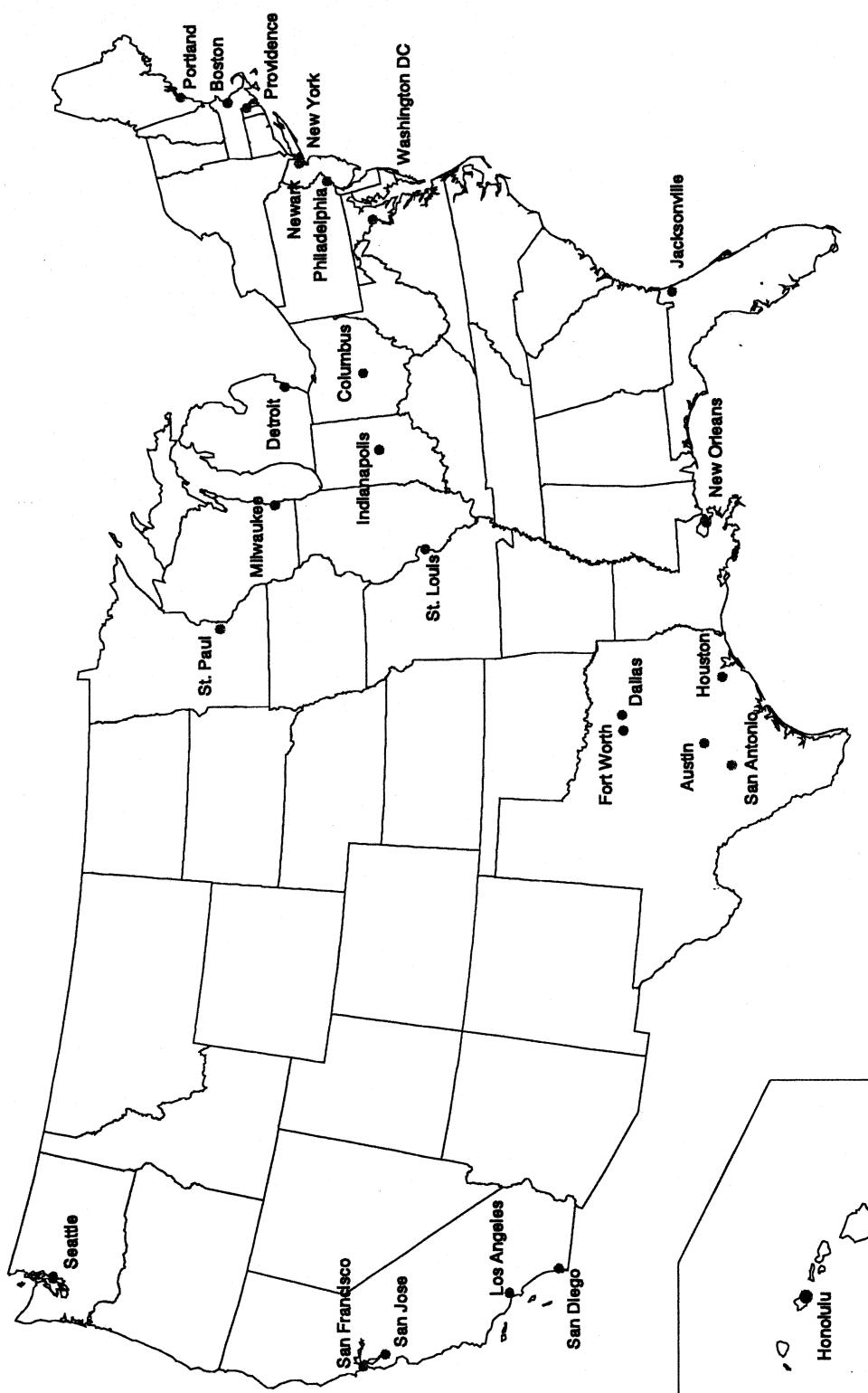
Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

COMPARATIVE RESIDENTIAL 2015 WATER AND SEWER CHARGES FOR U.S. CITIES

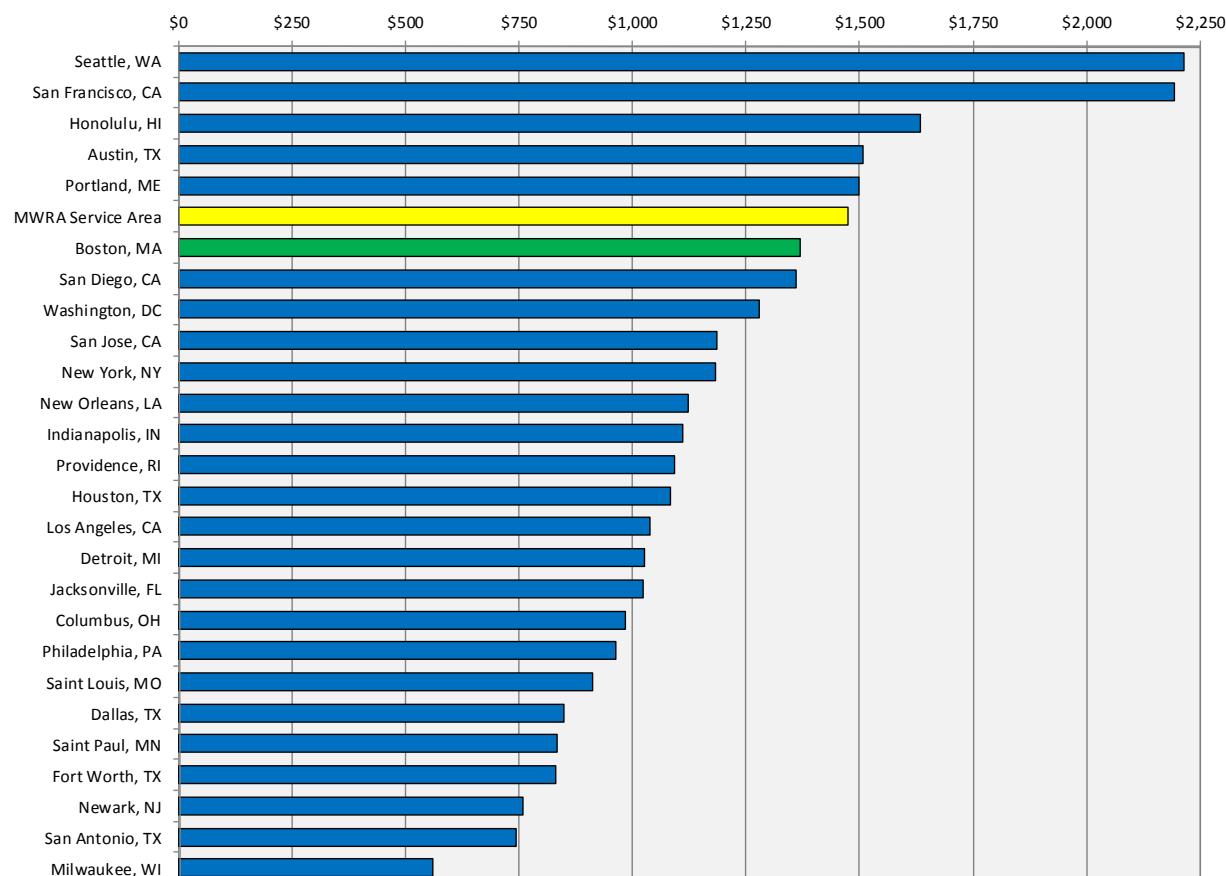


**COMPARATIVE ANNUAL RESIDENTIAL WATER & SEWER CHARGES FOR
MAJOR UNITED STATES CITIES
2015**

	Water	Sewer	Combined	Change
Austin, TX	\$610.56	\$897.24	\$1,507.80	3.9%
Boston, MA	599.59	771.02	1,370.61	5.1%
Columbus, OH	469.62	514.84	984.46	3.0%
Dallas, TX	324.66	522.96	847.62	4.9%
Detroit, MI	352.44	673.80	1,026.24	7.2%
Fort Worth, TX	389.76	441.60	831.36	5.8%
Honolulu, HI	464.28	1,170.60	1,634.88	6.3%
Houston, TX	472.38	611.58	1,083.96	4.4%
Indianapolis, IN	469.08	640.10	1,109.18	-0.6%
Jacksonville, FL	337.93	686.54	1,024.46	0.0%
Los Angeles, CA	578.40	458.67	1,037.07	1.8%
Milwaukee, WI	337.88	223.08	560.96	8.1%
MWRA Service Area	579.38	894.24	1,473.61	3.1%
New Orleans, LA	525.06	596.09	1,121.15	4.5%
New York, NY	457.20	726.95	1,184.15	3.0%
Newark, NJ	326.99	431.28	758.27	8.9%
Philadelphia, PA	546.12	415.44	961.56	0.0%
Portland, ME	333.84	1,164.00	1,497.84	7.9%
Providence, RI	459.96	632.86	1,092.82	3.2%
Saint Louis, MO	307.76	604.20	911.96	8.4%
Saint Paul, MN	380.76	452.40	833.16	6.3%
San Antonio, TX	348.47	395.40	743.87	5.1%
San Diego, CA	744.94	615.76	1,360.69	3.8%
San Francisco, CA	906.36	1,287.84	2,194.20	24.9%
San Jose, CA	781.45	405.05	1,186.50	4.1%
Seattle, WA	793.60	1,420.80	2,214.40	0.5%
Washington, DC	557.48	720.52	1,278.00	10.5%
AVERAGE	\$498.37	\$680.55	\$1,178.92	5.5%

Water and sewer charges based on an annual water consumption of 120 HCF ≈ 90 kgal

Note: MWRA Service Area averages exclude non-sewered communities.



Austin, Texas

Residential Water Rates:

Last adjusted:	November 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (%" meter)	\$ 7.10/month
0 – 2 kgal	\$ 1.05/kgal
2 – 6 kgal	\$ 3.00 "
6 – 11 kgal	\$ 7.60 "
11 – 20 kgal	\$23.75 "
>20 kgal	\$23.75 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	November 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$10.30/month
0 – 2 kgal	\$ 4.90/kgal
>2 kgal	\$ 9.94 "
	Based on winter average

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$610.56
Sewer	\$897.24
Combined	\$1,507.80
% change from 2014	3.9%

- Included in the cost of water is a tiered minimum charge for water usage. Based on 7.5 kgal used per month, or 90 kgal per year, that cost is \$7.60 per month, or \$91.20 per year.
- Also included in the cost of water is a Water Revenue Stability Reserve Fund Surcharge of \$0.19/kgal. Based on 7.5 kgal used per month, this is \$1.42 per month, or \$17.10 per year.
- Not included in these rates is a stormwater fee based on impervious acreage of residential units. A calculator is available online for homeowners to calculate their stormwater fee. See [Appendix G](#).

Columbus, Ohio

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (%" meter)	\$32.70/quarter
0 – 5 HCF/month	\$ 2.674/HCF
>5 HCF/month	\$ 2.973 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (%" meter)	\$11.41/quarter
All units	\$ 3.910/HCF
Based on 100% of water usage.	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$469.62
Sewer	\$514.84
Combined	\$984.46
% change from 2014	3.0%

Not included in these rates is the tier-based stormwater fee which uses an ERU calculation. See [Appendix G](#).

Dallas, Texas

Residential Water Rates:

Last adjusted:	October 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$5.12/bill
0 – 4 kgal	\$1.87/kgal
>4 – 10 kgal	\$4.13 "
>10 – 15 kgal	\$5.81 "
>15 kgal	\$8.20 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	October 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$4.58/bill
All units	\$5.20/kgal
Based on the annually adjusted average water consumed during the winter months of December, January, February, and March; 40 kgal maximum or actual consumption rate per month, whichever is less.	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$324.66
Sewer	\$522.96
Combined	\$847.62
% change from 2014	4.9%

Not included in these rates is a stormwater fee based on square feet of residential units. A calculator is available online for homeowners to calculate their stormwater fee. See [Appendix G](#).

Detroit, Michigan

Residential Water Rates:

Last adjusted:	August 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Meter charge (5/8" meter)	\$6.61/bill
All units	\$2.276/HCF

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	August 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$ 5.94/bill
All units	\$ 5.021/HCF

Based on 100% of water usage

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$352.44
Sewer	\$673.80
Combined	\$1,026.24
% change from 2014	7.2%

Not included in these rates is a flat fee for stormwater charged on each monthly bill; referred to as a drainage charge. See [Appendix G](#).

Fort Worth, Texas

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Service charge (5/8" meter)	\$10.00/bill
0 – 8 HCF	\$ 2.07/HCF
>8 – 20 HCF	\$ 2.96 "
>20 – 30 HCF	\$ 3.69 "
>30 HCF	\$ 4.44 "
Billing Frequency:	Monthly

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Base charge	\$5.50/bill
All units	\$3.13/HCF
Based on an individual customer's average monthly usage during the preceding months of December, January, and February.	

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$389.76
Sewer	\$441.60
Combined	\$831.36
% change from 2014	5.8%

Not included in these rates is a stormwater fee based on impervious area. See [Appendix G](#).

Honolulu, Hawaii

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$9.26/bill
0 – 13 kgal	\$4.42/kgal
>13 – 30 kgal	\$5.33 "
>30 kgal	\$7.94 "
Billing Frequency:	Bi-monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base charge	\$71.81/month
All units	\$ 4.29/kgal
Based on 80% of water usage	

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$464.28
Sewer	\$1,170.60
Combined	\$1,634.88
% change from 2014	6.3%

Houston, Texas

Residential Water Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	April 2016
Fund:	Enterprise
Base charge (5/8" meter)	\$ 5.00/bill
0 – 1 kgal	\$ 5.13/kgal
>1 – 2 kgal	\$11.70 "
>2 – 3 kgal	\$12.10 "
>3 – 4 kgal	\$22.88 "
>4 – 5 kgal	\$27.43 "
>5 – 6 kgal	\$31.97 "
>6 – 12 kgal	\$31.97 + \$4.93 per add'l kgal
>12 kgal	\$61.55 + \$8.12 per add'l kgal

Residential Sewer Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	April 2016
Fund:	Enterprise
Base charge	\$10.62/bill
0 – 1 kgal	\$10.79/kgal
>1 – 2 kgal	\$11.14 "
>2 – 3 kgal	\$11.43 "
>3 – 4 kgal	\$26.20 "
>4 – 5 kgal	\$31.54 "
>5 – 6 kgal	\$39.31 "
>6 kgal	\$39.31 + \$7.77 per add'l kgal

Based on 100% of water usage

Billing Frequency:

Monthly

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$472.38
Sewer	\$611.58
Combined	\$1,083.96
% change from 2014	4.4%

Not included in these rates is a stormwater fee based on impervious area. See [Appendix G](#).

Indianapolis, Indiana

Residential Water Rates:

Last adjusted:	March 2014
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$8.71/bill
All Units	\$3.038/HCF

Residential Sewer Rates:

Last adjusted:	April 2015
Next adjustment scheduled:	Unknown
Fund:	General
Base charge	\$ 15.62/bill
0 – 10 HCF	\$ 3.7721/HCF
>10 HCF	\$ 4.2815 "
Minimum bill	\$30.71

Based on 100% of water usage

Billing Frequency:

Monthly

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$469.08
Sewer	\$640.10
Combined	\$1,109.18
% change from 2014	-0.6%

Jacksonville, Florida

Residential Water Rates:

Last adjusted:	October 2012
Next adjustment scheduled:	No response
Fund:	Enterprise
Base charge (%" meter)	\$12.60/bill
0 – 6 kgal	\$ 0.93/kgal
>6 – 20 kgal	\$ 2.60 "
>20 kgal	\$ 5.60 "
Environmental (all kgal)	\$ 0.37 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	October 2012
Next adjustment scheduled:	No response
Fund:	Enterprise
Base charge	\$ 14.10/bill
0 – 6 kgal	\$ 4.94/kgal
>6 – 20 kgal	\$ 6.02 "
Environmental 1 – 20 kgal	\$ 0.37/kgal
MAXIMUM BILL	\$135.42

Based on 100% of water usage up to 20 kgal

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$337.93
Sewer	\$686.54
Combined	\$1,024.47
% change from 2014	0.0%

- A 10% Public Service Tax, 3% Franchise Fee and Environmental Charges (water and sewer) are included.
- Not included in these rates is Jacksonville's stormwater fee, based on impervious area. See [Appendix G](#).

Los Angeles, California

Residential Water Rates:

Last adjusted:	October 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
November 1 to May 31	
0 – 28 HCF (average rate)	\$4.82/HCF
>28 HCF (average rate)	\$6.16 "
June 1 to October 31	
0 – 44 HCF (average rate)	\$4.82/HCF
>44 HCF (average rate)	\$6.16 "
Billing Frequency:	Bi-monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
All units	\$4.11/HCF

Dry Winter Compensation factor is 84%.

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$578.40
Sewer	\$458.67
Combined	\$1,037.07
% change from 2014	1.8%

- The Los Angeles Department of Water and Power uses lot size, temperature zone and household size to determine the number of HCF each customer has at the first tier rate.
- Residential sewer rates are based on the period with the minimum winter water used daily average times the dry winter compensation factor of 84%. Periods after July of each year have the calculated daily volume multiplied by the days in the period times \$4.23/HCF.

Milwaukee, Wisconsin

Residential Water Rates:

Last adjusted:	November 2014
Next adjustment scheduled:	No response
Fund:	Enterprise
Base charge (¾" meter)	\$25.67/bill
All units	\$ 1.96/HCF

Residential Sewer Rates:

Last adjusted:	February 2015
Next adjustment scheduled:	No response
Fund:	Enterprise
Service charge	\$14.67/bill
All units (volume charge)	\$ 1.37/HCF

Based on winter water usage

Billing Frequency: Quarterly

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$337.88
Sewer	\$223.08
Combined	\$560.96
% change from 2014	8.1%

- Base charge includes fire protection fee.
- Not included in these rates is a flat fee for stormwater charged per house (1-4 units). See [Appendix G](#).
- Rates changed in November 2014, but were not reflected in 2014 document.

New Orleans, Louisiana

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Service charge (½" meter)	\$5.40/bill
0 - 3 kgal	\$3.59/kgal
>3 - 20 kgal	\$6.13 "
>20 - 1,000 kgal	\$4.82 "
>1,000 kgal	\$4.04 "

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Service charge (½" meter)	\$15.44/bill
All units	\$ 5.37/kgal
Based on 85% of water usage	

Billing Frequency: Monthly

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$525.06
Sewer	\$596.09
Combined	\$1,121.15
% change from 2014	4.5%

New York, New York

Residential Water Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Minimum charge \$44.10
 All units \$ 3.81/HCF
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2015
 Next adjustment scheduled: July 2016
 Fund: Enterprise
 Minimum charge \$70.20
 All units \$ 6.06/HCF
 Based on 159% of water rate.

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$457.20
Sewer	\$726.95
Combined	\$1,184.15
% change from 2014	3.0%

Newark, New Jersey

Residential Water Rates:

Last adjusted: January 2015
 Next adjustment scheduled: No response
 Fund: General
 Base charge includes 3 HCF
 >3 – 333 HCF \$8.79/bill
 >333 – 1,666 HCF \$2.637/HCF
 >1,666 HCF \$2.354 "
 \$2.112 "

Residential Sewer Rates:

Last adjusted: January 2015
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base charge 0 – 6 HCF \$22.46/bill
 >6 HCF \$ 3.370/HCF
 Based on 100% of water usage

Billing Frequency: Monthly

Annual Cost
AWWA Standard for Historical Comparison
 (120 HCF ≈ 90,000 gals.)

Water	\$326.99
Sewer	\$431.28
Combined	\$758.27
% change from 2014	8.9%

Philadelphia, Pennsylvania

Residential Water Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$6.46/bill
0 – 20 HCF	\$3.905/HCF
>20 – 980 HCF	\$3.154 "
>980 – 19,000 HCF	\$2.895 "
>19,000 HCF	\$2.198 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	July 2014
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$ 6.55/bill
All units	\$ 2.807/HCF
Based on 100% of water usage	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$546.12
Sewer	\$415.44
Combined	\$961.56
% change from 2014	0.0%

In prior years Philadelphia's water rate tier structure was incorrectly listed. Calculations were not affected.

Not included in the sewer calculation is stormwater costs, for which Philadelphia charges a flat fee for residential parcels and charges commercial parcels based on impervious area. See [Appendix G](#).

Portland, Maine

Residential Water Rates:

Last adjusted:	May 21015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum charge (5/8" meter)	
includes 1 HCF	\$8.74/bill
>1 – 30 HCF	\$2.12/HCF
>30 – 100 HCF	\$1.72 "
>100 – 500 HCF	\$1.52 "
>500 HCF	\$0.86 "
Billing Frequency:	Monthly

Residential Sewer Rates:

Last adjusted:	May 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum charge (5/8" meter)	
includes 1 HCF	\$9.70/bill
>1	\$9.70/HCF
Based on 100% of water usage	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$333.84
Sewer	\$1,164.00
Combined	\$1,497.84
% change from 2014	7.9%

Providence, Rhode Island

Residential Water Rates:

Last adjusted:	September 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Minimum charge (5/8" meter)	\$7.89/bill
All units	\$ 2.044/HCF

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Annual Fixed Fee (any size meter up to 6 dwelling units)	\$215.51/dwelling
All units	\$ 3.478/HCF
Sewer costs based on service from the Narragansett Bay Commission Field's Point Wastewater Treatment Facility.	
Based on 100% of water usage.	

Billing Frequency:

Water: Quarterly

Sewer: Monthly

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$459.96
Sewer	\$632.86
Combined	\$1,092.82
% change from 2014	3.2%

- In Providence, water services are provided by the Providence Water Supply Board, while sewer services are managed by the Narragansett Bay Commission.
- For sewer service, anything over 6 dwelling units is billed at commercial rates.

Saint Louis, Missouri

Residential Water Rates:

Last adjusted:	July 2010
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$23.84
0 – 250 HCF	\$ 1.77/HCF
>250 – 20,000 HCF	\$ 1.38 "
>20,000 HCF	\$ 1.04 "
Billing Frequency:	Water: Quarterly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Special Revenue
Base charge	\$18.25/bill
All units	\$ 3.21/HCF
Based on 100% of water usage	
Sewer: Monthly	

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$307.76
Sewer	\$604.20
Combined	\$911.96
% change from 2014	8.4%

- Saint Louis offers flat rates for domestic use based on such factors as the number of rooms and bathrooms within each residence. Utilization of the flat rate structure provides for unlimited water usage within each participating household. For the purposes of the MWRA Advisory Board Retail Rate Survey, charges are based upon the metered rates as specified within the City of Saint Louis Ordinance #68694.
- The stormwater fee that existed in prior years was removed due to a legal decision.

Saint Paul, Minnesota

Residential Water Rates:

Last adjusted:	Unknown
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Service Base Fee (<1")	\$12.00/quarter
Right of Way Recovery Fee	\$ 4.50/"
Winter – December to May:	
All units	\$2.52/HCF
Summer – June to November:	
All units	\$2.62/HCF

Annual testing charge	\$6.36/household
Billing Frequency:	Quarterly

Residential Sewer Rates:

Last adjusted:	Unknown
Next adjustment scheduled:	Unknown
Fund:	Enterprise
0 – 1,000 HCF	\$3.77/HCF
>1,000 – 5,000 HCF	\$3.69 "
>5,000 HCF	\$3.62 "
Minimum charge of \$7.20 for 1" and smaller meters.	
Based on 100% of water usage	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$380.76
Sewer	\$452.40
Combined	\$833.16
% change from 2014	6.3%

Not included in these rates is a Storm Sewer System Charge charged at a flat rate of \$85.36 per year for one and two-family homes (with less than 1/3 acre) and \$57.42 for condominiums and town homes. See [Appendix G](#).

San Antonio, Texas

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	General
Base charge (5/8" meter)	\$7.57/bill
Water Supply Fee	
0 – 5.985 kgal	\$1.285/kgal
>5.985 – 12.717 kgal	\$1.858 "
>12.717 – 17.205 kgal	\$2.622 "
>17.205 kgal	\$4.589 "
Winter – October to April:	
0 – 5.985 kgal	\$1.006/kgal
>5.985 – 12.717 kgal	\$1.457 "
>12.717 – 17.205 kgal	\$2.053 "
>17.205 kgal	\$3.596 "
Summer – May to September	
0 – 5.985 kgal	\$1.006/kgal
>5.985 – 12.717 kgal	\$1.584 "
>12.717 – 17.205 kgal	\$2.355 "
>17.205 kgal	\$4.880 "
EAA Fee	\$0.3311/kgal
Texas Commission on Environmental Quality Fee:	\$0.18/month
Billing Frequency:	Monthly

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	General
Min. charge includes 1.496 kgal	\$12.69
>1.496 kgal	\$ 3.365/kgal
Computed on the basis of average water usage for 90 days during the period beginning November 15 and ending on or about March 15 of each year.	

Texas Commission on Environmental Quality Fee: \$0.06/month

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$348.47
Sewer	\$395.40
Combined	\$743.87
% change from 2014	5.1%

- San Antonio has two water systems; the water rates cited are provided by the San Antonio Water System.
- Not included in these rates is a monthly Stormwater Fee billed by SAWS on behalf of the City of San Antonio. See [Appendix G](#).

San Diego, California

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$40.62/bill
0 – 8 HCF/month	\$ 3.896/HCF
>8 – 24 HCF/month	\$ 4.364 "
>24 – 36 HCF/month	\$ 6.234 "
>36 HCF/month	\$ 8.766 "

Billing Frequency: Bi-monthly

Residential Sewer Rates:

Last adjusted:	March 2012
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge	\$ 30.66/bill
All units	\$ 3.5983/HCF
Charge for SRF customers without winter use history	
Based on a cap of 9 HCF	\$95.43

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$744.94
Sewer	\$615.76
Combined	\$1,360.69
% change from 2014	3.8%

Annual cost calculation does not include \$0.95/month storm drain fee. See [Appendix G](#).

San Francisco, California

Residential Water Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
Base charge (5/8" meter)	\$9.87
0 – 3 HCF/month	\$5.45/HCF
>3 HCF/month	\$7.31 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	July 2016
Fund:	Enterprise
0 – 3 HCF/dwelling unit/mo	\$ 9.82/HCF
>3 HCF	\$11.34 "
Based on 90% of water usage	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$906.36
Sewer	\$1,287.84
Combined	\$2,194.20
% change from 2014	24.9%

- San Francisco calculates its bills bi-monthly, but bills its customers every month. San Francisco reports that single-family residential customers have an average use of 72 HCF/year. At this level, annual costs per household would be \$555.48 (water) and \$743.52 (sewer).
- While multiple family dwelling units in San Francisco vary widely in water usage, a dwelling unit consuming 48 HCF/year would have an annual water bill of \$380.04 and an annual sewer bill of \$471.36.

San Jose, California

Residential Water Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Base charge (5/8" meter)	\$21.05/bill
0 – 3 HCF	\$ 3.20706/HCF
4 – 18 HCF	\$ 3.56340 "
>18 HCF	\$ 3.91970 "
Billing Frequency:	Water: Bi-monthly

Residential Sewer Rates:

Last adjusted:	July 2015
Next adjustment scheduled:	Unknown
Fund:	Enterprise
Flat rate	\$405.05/year
Sewer: Annually	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$781.45
Sewer	\$405.05
Combined	\$1,186.50
% change from 2014	4.1%

- Rates cited for San Jose are provided by the San Jose Water Company (water) and the City of San Jose (sewer).
- The annual cost for water includes miscellaneous additional charges and credits not listed here.
- San Jose charges a stormwater fee based on the size of a residence, not included above. See [Appendix G](#).

Seattle, Washington

Residential Water Rates:

Last adjusted:	January 2014
Next adjustment scheduled:	January 2016
Fund:	Enterprise
Base charge (3/4" meter)	\$13.75/month
Winter – September 16 to May 15: All units	\$ 4.99 /HCF
Summer – May 16 To September 15: 0 – 5 HCF	\$ 5.13/HCF
5 – 18 HCF	\$ 6.34 "
>18 HCF	\$11.80 "

Billing Frequency: Bi-monthly

Residential Sewer Rates:

Last adjusted:	January 2015
Next adjustment scheduled:	January 2016
Fund:	Enterprise
All units	\$11.84/HCF
Summer residential sewer bills are based on their prior winter water use or their actual summer use, whichever is less. Summer non-residential and multi-family bills are based on 100% of annual water consumption	

Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)

Water	\$793.60
Sewer	\$1,420.80
Combined	\$2,214.40
% change from 2014	0.5%

- Seattle reports that the typical single-family residential customer uses 60 HCF/year of water and 51.6 HCF/year of sewer. The annual cost for service at this level of usage would be \$467.20 (water) and \$610.94 (sewer).
- Seattle charges a drainage fee at an annual rate based on square feet of parcel, not included. See [Appendix G](#).

Washington, District of Columbia

Residential Water Rates:

Last adjusted:	October 2015
Next adjustment scheduled:	October 2016
Fund:	Enterprise
Meter fee (5/8" meter)	\$1.737/month
0 - 4 HCF	\$3.08/HCF
>4 HCF	\$3.87 "
Right-of-Way Fee	\$0.0765 "
PILOT Fee	\$0.2115 "
Water System Replacement Fee	\$6.30/month

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted:	October 2015
Next adjustment scheduled:	October 2016
Fund:	Enterprise
Meter fee (5/8" meter)	\$2.123/month
All units	\$5.44/HCF
Right of Way Fee	\$0.0935 "
PILOT Fee	\$0.2585 "

**Annual Cost
AWWA Standard for Historical Comparison
(120 HCF ≈ 90,000 gals.)**

Water	\$557.48
Sewer	\$720.52
Combined	\$1,278.00
% change from 2014	10.5%

- Right-of-Way, PILOT, and Metering fee have been prorated based on 45% water and 55% sewer.
- New this year is a Water System Replacement fee.
- Not included in the sewer calculation are the Impervious Area Charge (IAC) and D.C. Stormwater Fee. The IAC was introduced in 2009 to more equitably distribute the cost of the Combined Sewer Overflow Long Term Control Plan (CSO LTCP). The IAC is based on Equivalent Residential Units.
- The IAC increased from \$16.75/month in 2014 to \$20.30/month in 2015 and the DC Stormwater Fee is \$2.67/month. See [Appendix G](#).

APPENDIX A

2014 WATER & SEWER RETAIL RATE INFORMATION

NOTE: The Advisory Board endeavors to portray the most accurate information possible at time of print. As a result, some 2014 rates and calculations may differ from the information published in the 2014 Retail Rate Survey to reflect more accurate information obtained since that time.

Combined Annual Water and Sewer Charges for Communities Receiving Services from the MWRA 2014

Charges include MWRA, community, and alternatively supplied services.

Rates based on average annual household use of **120 hundred cubic feet (HCF)**, or approximately **90,000 gallons**.

	Water	Sewer	Combined	Change
Arlington (W/S)*	\$611.20	\$730.04	\$1,341.24	6.0%
Ashland (S)	\$405.60	\$1,467.60	\$1,873.20	3.1%
Bedford (S/partial W)	\$587.00	\$977.00	\$1,564.00	6.5%
Belmont (W/S)	\$782.68	\$1,482.76	\$2,265.44	4.5%
Boston (W/S)	\$570.71	\$733.96	\$1,304.67	4.8%
Braintree (S)	\$487.20	\$735.40	\$1,222.60	8.5%
Brookline (W/S)	\$627.40	\$913.40	\$1,540.80	1.1%
Burlington (S)	\$196.50	\$391.50	\$588.00	0.0%
Cambridge (S/partial W)	\$380.00	\$1,074.40	\$1,454.40	3.8%
Canton (S/partial W)	\$610.00	\$1,013.60	\$1,623.60	6.6%
Chelsea (W/S)	\$492.00	\$963.60	\$1,455.60	0.0%
Chicopee (W)	\$396.00	\$627.40	\$1,023.40	7.9%
Clinton (W/S)	\$343.60	\$257.70	\$601.30	0.0%
Dedham (S/partial W)	\$603.96	\$937.28	\$1,541.24	0.8%
Everett (W/S)	\$316.00	\$681.60	\$997.60	16.8%
Framingham (W/S)	\$716.04	\$827.40	\$1,543.44	6.9%
Hingham (S)	\$939.68	\$1,110.00	\$2,049.68	0.9%
Holbrook (S)	\$620.40	\$724.80	\$1,345.20	0.0%
Leominster (partial W)	\$455.84	\$508.76	\$964.60	0.0%
Lexington (W/S)	\$483.20	\$1,024.80	\$1,508.00	1.8%
Lynn (partial W)	\$412.92	\$759.72	\$1,172.64	3.1%
Malden (W/S)	\$588.48	\$706.92	\$1,295.40	3.3%
Marblehead (W)	\$593.00	\$1,120.00	\$1,713.00	26.2%
Marlborough (partial W)	\$672.00	\$693.60	\$1,365.60	5.1%
Medford (W/S)	\$727.20	\$908.40	\$1,635.60	3.2%
Melrose (W/S)	\$814.00	\$1,128.56	\$1,942.56	7.4%
Milton (W/S)	\$728.16	\$1,247.52	\$1,975.68	2.4%
Nahant (W)*	\$806.40	\$1,066.80	\$1,873.20	0.0%
Natick (S)	\$336.00	\$1,017.20	\$1,353.20	3.2%
Needham (S/partial W)	\$502.20	\$1,061.40	\$1,563.60	5.6%
Newton (W/S)	\$776.40	\$1,144.40	\$1,920.80	3.9%
Northborough (partial W)	\$587.08	\$759.60	\$1,346.68	0.0%
Norwood (W/S)	\$559.92	\$765.72	\$1,325.64	8.1%
Peabody (partial W)	\$306.00	\$409.80	\$715.80	0.0%
Quincy (W/S)	\$656.40	\$1,054.20	\$1,710.60	2.1%
Randolph (S)	\$567.80	\$906.00	\$1,473.80	5.9%
Reading (W/S)	\$1,100.40	\$1,245.60	\$2,346.00	0.0%
Revere (W/S)	\$469.20	\$1,405.20	\$1,874.40	2.3%
Saugus (W)	\$562.66	\$344.00	\$906.66	5.8%
Somerville (W/S)	\$581.25	\$908.16	\$1,489.41	1.2%
Stoneham (W/S)	\$600.00	\$1,176.00	\$1,776.00	1.4%
Stoughton (S/partial W)	\$529.44	\$1,152.00	\$1,681.44	2.3%
Swampscott (W)	\$788.00	\$689.00	\$1,477.00	0.0%
Wakefield (S/partial W)	\$610.20	\$1,128.60	\$1,738.80	2.9%
Walpole (S)	\$597.00	\$770.02	\$1,367.02	2.0%
Waltham (W/S)	\$428.64	\$753.00	\$1,181.64	0.0%
Watertown (W/S)	\$523.48	\$954.00	\$1,477.48	3.2%
Wellesley (S/partial W)	\$445.68	\$1,011.60	\$1,457.28	0.0%
Westwood (S/partial W)	\$603.96	\$815.00	\$1,418.96	4.3%
Weymouth (S)	\$590.88	\$977.72	\$1,568.60	2.5%
Wilbraham (W)	\$462.00	\$492.00	\$954.00	0.0%
Wilmington (S/partial W)	\$449.60	\$598.80	\$1,048.40	0.0%
Winchester (S/partial W)*	\$275.60	\$313.20	\$588.80	0.0%
Winthrop (W/S)	\$726.00	\$1,188.00	\$1,914.00	8.1%
Woburn (S/partial W)	\$205.00	\$328.00	\$533.00	0.0%
Worcester (partial W)	\$424.80	\$603.84	\$1,028.64	3.8%
AVERAGE	\$557.73	\$871.19	\$1,428.92	3.5%

The following communities do not provide municipal sewer services and, therefore, are not listed: Lynnfield Water District, South Hadley Fire District #1, Southborough and Weston.

(*) Indicates communities that utilize the debt service exclusion as permitted under General Law 59 Section 21C(n).

**ANNUAL WATER AND SEWER CHARGES IN
COMMUNITIES RECEIVING SERVICES FROM THE MWRA
2014**

	Water	Sewer
Arlington (W/S)*	\$611.20	\$730.04
Ashland (S)	-	1,467.60
Bedford (S/partial W)	587.00	977.00
Belmont (W/S)	782.68	1,482.76
Boston (W/S)	570.71	733.96
Braintree (S)	-	735.40
Brockline (W/S)	627.40	913.40
Burlington (S)	-	3915.00
Cambridge (S/partial W)	380.00	1,074.40
Canton (S/partial W)	610.00	1,013.60
Chelsea (W/S)	492.00	963.60
Chicopee (W)	396.00	-
Clinton (W/S)	343.60	257.70
Dedham (S/partial W)	603.96	937.28
Everett (W/S)	316.00	6816.00
Framingham (W/S)	716.04	827.40
Hingham (S)	-	1,110.00
Holbrook (S)	-	724.80
Leominster (partial W)	455.84	-
Lexington (W/S)	483.20	1,024.80
Lynn (partial W)	412.92	-
Lynnfield (W)	360.80	-
Malden (W/S)	588.48	706.92
Marblehead (W)	593.00	-
Marlborough (partial W)	672.00	-
Medford (W/S)	727.20	908.40
Melrose (W/S)	814.00	1,128.56
Milton (W/S)	728.16	1,247.52
Nahant (W)*	806.40	-
Natick (S)	-	1,017.20
Needham (S/partial W)	502.20	1,061.40
Newton (W/S)	776.40	1,144.40
Northborough (partial W)	587.08	-
Norwood (W/S)	559.92	765.72
Peabody (partial W)	306.00	-
Quincy (W/S)	656.40	1,054.20
Randolph (S)	-	906.00
Reading (W/S)	1,100.40	1,245.60
Revere (W/S)	469.20	1,405.20
Saugus (W)	562.66	-
Somerville (W/S)	58125	908.16
South Hadley (W)	450.80	-
Southborough (W)	410.32	-
Stoneham (W/S)	600.00	1,176.00
Stoughton (S/partial W)	529.44	1,152.00
Swampscott (W)	788.00	-
Wakefield (S/partial W)	610.20	1,128.60
Walpole (S)	-	770.02
Waltham (W/S)	428.64	753.00
Watertown (W/S)	523.48	954.00
Wellesley (S/partial W)	445.68	1,011.60
Weston (W)	279.00	-
Westwood (S/partial W)	603.96	815.00
Weymouth (S)	-	977.72
Wilbraham (W)	462.00	-
Wilmington (S/partial W)	-	598.80
Winchester (S/partial W)*	275.60	313.20
Winthrop (W/S)	726.00	1,188.00
Woburn (S/partial W)	205.00	328.00
Worcester (partial W)	424.80	-
AVERAGE	\$550.86	\$925.27
Percent change	3.2%	3.6%
Water and Sewer Charges are based on an annual water consumption of 120 HCF ≈90 kgal.		
(*) Indicates communities that utilize the debt service exclusion as permitted under General Law 59 Section 21C(n).		

**COMPARATIVE ANNUAL RESIDENTIAL WATER AND SEWER CHARGES FOR
SELECTED NON-MWRA COMMUNITIES IN MASSACHUSETTS
2014**

	Water	Sewer	Combined
Abington	\$618.00	\$640.00	\$1,258.00
Agawam	254.80	376.32	631.12
Ayer	309.20	825.20	1,134.40
Beverly	334.80	739.20	1,074.00
Brockton	443.40	446.00	889.40
Danvers	744.60	770.40	1,515.00
Fairhaven	618.25	774.00	1,392.25
Fall River	354.00	502.80	856.80
Fitchburg	367.44	839.40	1,206.84
Gloucester	537.30	1,242.00	1,779.30
Haverhill	325.20	468.00	793.20
Holyoke	387.81	486.00	873.81
Hudson	471.60	634.80	1,106.40
Lawrence	372.00	402.00	774.00
Lowell	249.12	383.28	632.40
Medfield	393.88	611.09	1,004.97
New Bedford	297.99	568.00	865.99
North Reading	693.20	Not sewered	693.20
Salem	333.60	708.00	1,041.60
Shrewsbury	322.00	Unavailable	Unavailable
Springfield	349.20	520.80	870.00
Tewksbury	845.48	816.98	1,662.46
AVERAGE	437.40	637.71	1,075.12

Water and sewer charges based on an annual water consumption of 120 HCF ≈ 90 kgal

Average does not include unavailable data or non-sewered communities.

**COMPARATIVE ANNUAL RESIDENTIAL WATER & SEWER CHARGES FOR
MAJOR UNITED STATES CITIES
2014**

	Water	Sewer	Combined
Austin, TX	\$616.56	\$834.42	\$1,450.98
Boston, MA	570.71	733.96	1,304.67
Columbus, OH	455.92	500.32	956.24
Dallas, TX	308.82	498.90	807.72
Detroit, MI	336.12	620.76	956.88
Fort Worth, TX	364.32	421.20	785.52
Honolulu, HI	423.30	1,114.44	1,537.74
Houston, TX	452.40	585.72	1,038.12
Indianapolis, IN	469.08	646.40	1,115.48
Jacksonville, FL	337.93	686.54	1,024.46
Los Angeles, CA	590.16	428.64	1,018.80
Milwaukee, WI	299.64	219.48	519.12
MWRA Service Area	557.73	871.19	1,428.92
New Orleans, LA	477.06	596.09	1,073.15
New York, NY	444.00	705.96	1,149.96
Newark, NJ	298.63	397.49	696.12
Philadelphia, PA	546.12	415.44	961.56
Portland, ME	330.48	1,057.20	1,387.68
Providence, RI	440.28	618.15	1,058.43
Saint Louis, MO	307.76	533.40	841.16
Saint Paul, MN	347.16	436.80	783.96
San Antonio, TX	335.75	371.76	707.51
San Diego, CA	695.16	615.76	1,310.92
San Francisco, CA	714.00	1,042.56	1,756.56
San Jose, CA	734.12	405.96	1,140.08
Seattle, WA	793.60	1,410.00	2,203.60
Washington, DC	520.46	635.86	1,156.32
AVERAGE	\$472.86	\$644.61	\$1,117.47

Water and sewer charges based on an annual water consumption of 120 HCF ≈ 90 kgal

Note: MWRA Service Area averages exclude non-sewered communities.

APPENDIX B

SECOND METER INFORMATION AND GLOSSARY

SECOND METER INFORMATION:

	Number	Percent
MWRA or partially supplied communities utilizing second meters to adjust water bills	YES: 38 NO: 22	YES: 63.3% NO: 36.7%

Ashland (S)	Yes	Arlington (W/S)*	No
Bedford (S/partial W)	Yes	Braintree (S)	No
Belmont (W/S)	Yes	Clinton (W/S)	No
Boston (W/S)	Yes	Everett (W/S)	No
Brookline (W/S)	Yes	Hingham (S)	No
Burlington (S)	Yes	Holbrook (S)	No
Cambridge (S/partial W)	Yes	Lynnfield (W)	No
Canton (S/partial W)	Yes	Malden (W/S)	No
Chelsea (W/S)	Yes	Northborough (partial W)	No
Chicopee (W)	Yes	Randolph (S)	No
Dedham (S/partial W)	Yes	Reading (W/S)	No
Framingham (W/S)	Yes	Somerville (W/S)	No
Leominster (partial W)	Yes	South Hadley (W)	No
Lexington (W/S)	Yes	Southborough (W)	No
Lynn (partial W)	Yes	Stoughton (S/partial W)	No
Marblehead (W)	Yes	Wakefield (S/partial W)	No
Marlborough (partial W)	Yes	Weston (W)	No
Medford (W/S)	Yes	Weymouth (S)	No
Melrose (W/S)	Yes	Wilmington (S/partial W)	No
Milton (W/S)	Yes	Winchester (S/partial W)*	No
Nahant (W)*	Yes	Winthrop (W/S)	No
Natick (S)	Yes	Woburn (S/partial W)	No
Needham (S/partial W)	Yes		
Newton (W/S)	Yes		
Norwood (W/S)	Yes		
Peabody (partial W)	Yes		
Quincy (W/S)	Yes		
Revere (W/S)	Yes		
Saugus (W)	Yes		
Stoneham (W/S)	Yes		
Swampscott (W)	Yes		
Walpole (S)	Yes		
Waltham (W/S)	Yes		
Watertown (W/S)	Yes		
Wellesley (S/partial W)	Yes		
Westwood (S/partial W)	Yes		
Wilbraham (W)	Yes		
Worcester (partial W)	Yes		

GLOSSARY:

ABBREVIATIONS/DESIGNATIONS

- ◆ (W/S) = MWRA Water and Sewer Community
- ◆ (W) = MWRA Water Only Community
- ◆ (S) = MWRA Sewer Only Community
- ◆ CF = Cubic Foot
- ◆ HCF = Hundred Cubic Feet
- ◆ 1 HCF = 100 Cubic Feet = 748 Gallons
- ◆ kgal = 1,000 gallons
- ◆ n/a = No answer

All of the information cited below is taken directly from *Massachusetts Water Resources Authority Technical Assistance Program: Municipal Water and Sewer Rate Making, A Guide for Local Officials*. May, 1989.

DEBT EXCLUSION

A referendum to increase the levy limit by the amount of principal and interest payable each year on specific long-term bonds issued by a community; this exclusion remains in effect for the life of the debt only.

WATER AND SEWER WHOLESALE CHARGES

Within the MWRA service area, these are the charges that are made by the MWRA to each community for the total amount of water and/or sewer treatment service, which is provided to that community for a fiscal year; MWRA wholesale charges constitute one component of each community's total water and sewer service costs.

WATER AND SEWER RETAIL CHARGES

User charges which are billed to specific properties by a municipality or public utility for the provision of water and sewer service; these charges are generally billed periodically during the year and are generally based on the metered flow of water into each property; also known as "retail rates."

GENERAL FUND - 6 water, 6 sewer (full and partial MWRA communities)

General fund accounting for water and sewer operations is typically the most understood accounting support alternative. This option does not require adoption of any legislation. Essentially, water and sewer expenditure and revenue accounts exist with the general fund along with other community financial activity. No segregation of utility costs and revenues is provided for. General fund accounting is on the budgetary (cash) basis and period-end or year-end reporting is on the modified accrual basis.

SPECIAL REVENUE FUND - 3 water, 3 sewer (full and partial MWRA communities)

A special revenue fund is defined as "a fund used to account for the proceeds of specific revenue sources (other than expendable trusts or major capital projects) that are legally restricted to expenditure for specified purposes".

Special revenue fund accounting provides for segregation of water/sewer costs and revenues from other municipal financial activity.

Like the general fund, special revenue fund accounting is on the budgetary (cash) basis and financial reporting is on the modified accrual basis.

ENTERPRISE FUND - 50 water, 47 sewer (*full and partial MWRA Communities*)

A fund established to account for operations financed and operated in a manner similar to private business enterprises. In this instance the governing body intends that costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be recovered primarily through user charges.

A fund established because the governing body has decided that periodic determination of revenues earned, expenses incurred and/or net income is appropriate for capital maintenance, public policy management control, accountability or other purposes.

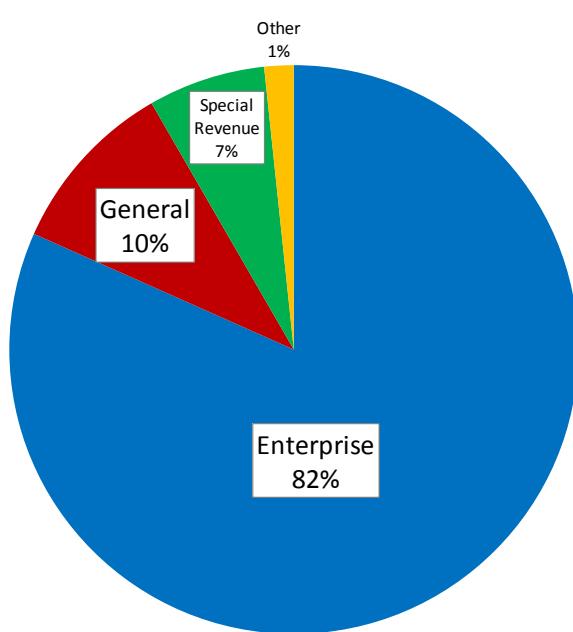
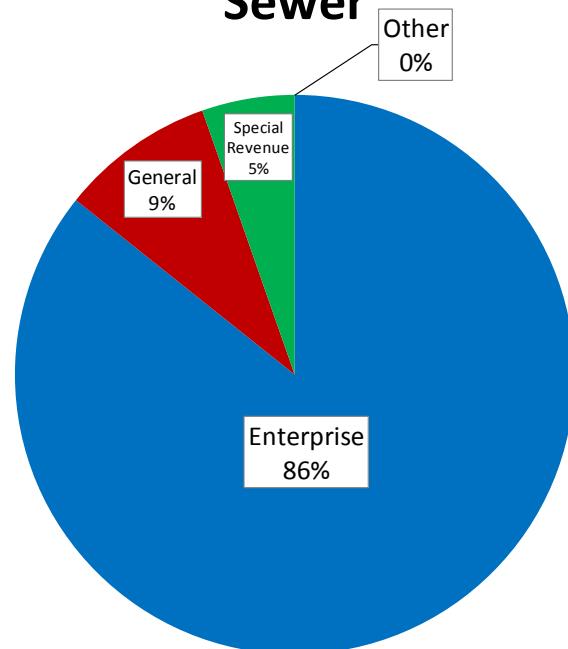
Like special revenue funds, enterprise funds allow communities to separately account for the expenditures and revenues of their water/sewer operations. Similarly, this segregated accounting provides enhanced information regarding the results of operations and facilitates rate setting and rate analyses. A community may elect to adopt enterprise fund(s) through city council or town meeting vote. Each enterprise fund must be adopted individually.

Enterprise fund accounting is generally the most complex of the accounting alternatives. Its accounting may be on the accrual basis or budgetary (cash) basis. Reporting, however, should be on the accrual basis. Accordingly, if accounting is on the budgetary basis, year-end accrual adjustments will be required to attain accrual basis reporting. These year-end accrual adjustments will generally include:

- Fixed asset capitalization and related depreciation
- Pension liabilities
- Sick, vacation and other compensated absences
- Revenue
- Contributed capital
- Other year-end accruals

PRIVATE COMPANY - 1 water

A privately funded and managed business used to account for water or sewer service. In this option, the private business sets all rates and is responsible for operational costs. At this time the only privately managed water system among the surveyed MWRA communities is Hingham, operated by Aquarion Water Company.

Water**Sewer**

APPENDIX C

**2015 Residential Cost Based
on Community Water Use Data**

Community	A Annual Residential Water Use (million gallons)	B Population	C Annual Per Capita Water Use (gallons)	D Average Household Size	E Annual Household Water Use (gallons)	F Annual Household Water Use (hcf)
Data Source / Calculation	Public Water Supply Annual Statistical Report*		Calculation C = A/B	2010 US Census	Calculation E = C x D	Conversion F = E / 748
Arlington	849.3	42,844	19,822	2.24	44,402	59.4
Ashland	330.2	16,593	19,901	2.59	51,543	68.9
Bedford	342.0	14,329	23,865	2.50	59,663	79.8
Belmont	636.6	25,505	24,961	2.54	63,400	84.8
Boston	9,224.0	617,594	14,935	2.26	33,754	45.1
Braintree	673.5	33,600	20,046	2.56	51,318	68.6
Brookline	1,248.1	58,732	21,251	2.27	48,239	64.5
Burlington	413.6	24,777	16,693	2.64	44,070	58.9
Cambridge	1,771.6	105,162	16,846	2.00	33,693	45.0
Canton	495.8	21,561	22,995	2.54	58,408	78.1
Chelsea	604.4	35,177	17,183	2.92	50,174	67.1
Chicopee	1,130.2	55,298	20,439	2.28	46,601	62.3
Clinton	274.3	13,606	20,160	2.32	46,772	62.5
Dedham/Westwood	857.6	39,988	21,446	2.57	55,116	73.7
Everett	736.5	41,667	17,675	2.67	47,193	63.1
Framingham	1,330.2	68,318	19,471	2.47	48,092	64.3
Hingham	775.1	35,928	21,573	2.46	53,070	70.9
Holbrook	182.1	10,791	16,874	2.62	44,209	59.1
Leominster	768.8	40,490	18,986	2.41	45,757	61.2
Lexington	795.5	30,355	26,206	2.68	70,231	93.9
Lynn	1,746.2	90,329	19,332	2.69	52,002	69.5
Lynnfield Water District	103.2	3,485	29,611	2.77	82,021	109.7
Malden	1,109.0	59,450	18,654	2.50	46,636	62.3
Marblehead	524.8	19,808	26,494	2.42	64,116	85.7
Marlborough	611.1	38,499	15,873	2.46	39,048	52.2
Medford	976.9	56,173	17,391	2.38	41,390	55.3
Melrose	450.4	26,983	16,692	2.38	39,728	53.1
Milton	564.8	27,003	20,917	2.75	57,523	76.9
Nahant	115.0	3,410	33,733	2.18	73,539	98.3
Natick	752.3	33,006	22,791	2.44	55,611	74.3
Needham	741.1	28,886	25,654	2.72	69,780	93.3
Newton	1,648.0	85,146	19,355	2.50	48,387	64.7
Northborough	231.1	14,155	16,324	2.73	44,565	59.6
Norwood	577.4	28,602	20,187	2.37	47,844	64.0
Peabody	1,065.6	51,251	20,791	2.38	49,483	66.2
Quincy	1,382.4	92,271	14,982	2.24	33,559	44.9
Randolph	605.6	32,112	18,859	2.75	51,862	69.3
Reading	424.7	25,235	16,828	2.64	44,427	59.4
Revere	748.7	51,755	14,467	2.52	36,456	48.7
Saugus	584.8	24,800	23,582	2.55	60,134	80.4
Somerville	1,299.7	75,754	17,157	2.29	39,289	52.5
South Hadley FD #1	295.1	14,629	20,173	2.25	45,388	60.7
Southborough	240.4	9,479	25,357	2.89	73,281	98.0
Stoneham	488.0	21,437	22,764	2.36	53,724	71.8
Stoughton	456.9	25,954	17,603	2.59	45,593	61.0
Swampscott	386.7	13,787	28,047	2.46	68,997	92.2
Wakefield	579.9	24,932	23,259	2.47	57,449	76.8
Walpole	579.1	24,070	24,060	2.69	64,722	86.5
Waltham	1,320.9	60,632	21,786	2.28	49,671	66.4
Watertown	698.4	31,915	21,883	2.15	47,049	62.9
Wellesley	667.6	27,982	23,858	2.78	66,325	88.7
Weston	449.7	11,581	38,830	2.82	109,500	146.4
Weymouth	975.4	52,357	18,629	2.37	44,151	59.0
Wilbraham	274.0	14,219	19,270	2.63	50,680	67.8
Wilmington	440.0	22,325	19,708	2.93	57,744	77.2
Winchester	579.0	22,192	26,090	2.75	71,749	95.9
Winthrop	347.2	17,497	19,843	2.24	44,449	59.4
Woburn	1,503.8	38,120	39,450	2.43	95,863	128.2
Worcester	3,403.1	182,544	18,642	2.46	45,860	61.3

* Communities annually report usage and population to MassDEP for the Public Water Supply Annual Statistical Report.

**Combined Annual Water and Sewer Charges for
Communities Receiving Services from the MWRA
Household Usage Based on Local, State & Federal Data
2015**

Charges include MWRA, community, and alternatively supplied services.
Rates based on consumption provided to DEP by the communities and calculated by MWRA staff.

	Household Usage (HCF)	Household Usage (kgal)	Water	Sewer	Combined
Belmont	84.8	63.4	\$602.18	\$1,100.82	\$1,703.00
Nahant	98.3	73.5	\$683.18	\$873.89	\$1,557.07
Milton	76.9	57.5	\$547.89	\$771.10	\$1,318.98
Hingham	70.9	53.1	\$661.72	\$655.83	\$1,317.55
Marblehead	85.7	64.1	\$462.79	\$777.45	\$1,240.24
Needham	93.3	69.8	\$370.02	\$862.77	\$1,232.79
Swampscott	92.2	69.0	\$615.64	\$537.49	\$1,153.13
Ashland	68.9	51.5	\$280.08	\$869.63	\$1,149.71
Dedham	73.7	55.1	\$415.62	\$724.78	\$1,140.39
Wakefield	76.8	57.4	\$390.53	\$722.30	\$1,112.83
Reading	59.4	44.4	\$524.50	\$579.74	\$1,104.25
Wellesley	88.7	66.3	\$335.82	\$752.44	\$1,088.25
Stoneham	71.8	53.7	\$430.80	\$649.79	\$1,080.59
Lexington	93.9	70.2	\$361.18	\$691.16	\$1,052.34
Walpole	86.5	64.7	\$474.71	\$571.52	\$1,046.23
Newton	64.7	48.4	\$416.90	\$610.83	\$1,027.73
Bedford	79.8	59.7	\$361.66	\$614.82	\$976.48
Westwood	73.7	55.1	\$467.70	\$508.09	\$975.79
Winthrop	59.4	44.4	\$359.37	\$588.06	\$947.43
Melrose	53.1	39.7	\$382.32	\$562.15	\$944.47
Canton	78.1	58.4	\$274.50	\$645.30	\$919.80
Brookline	64.5	48.2	\$372.55	\$519.38	\$891.93
Weymouth	59.0	44.2	\$303.13	\$587.62	\$890.75
Randolph	69.3	51.9	\$375.12	\$497.68	\$872.80
Stoughton	61.0	45.6	\$283.46	\$585.60	\$869.06
Framingham	64.3	48.1	\$376.14	\$458.19	\$834.32
Chelsea	67.1	50.2	\$275.11	\$544.18	\$819.29
Watertown	62.9	47.0	\$309.27	\$506.97	\$816.25
Revere	48.7	36.5	\$186.03	\$589.27	\$775.30
Braintree	68.6	51.3	\$308.14	\$457.52	\$765.66
Northborough	59.6	44.6	\$294.85	\$447.00	\$741.85
Marlborough	52.2	39.0	\$359.66	\$371.14	\$730.80
Holbrook	59.1	44.2	\$313.23	\$410.75	\$723.98
Medford	55.3	41.4	\$317.42	\$396.50	\$713.92
Lynn	69.5	52.0	\$244.64	\$448.97	\$693.61
Quincy	44.9	33.6	\$265.81	\$407.96	\$673.77
Arlington	59.4	44.4	\$303.55	\$360.61	\$664.16
Natick	74.3	55.6	\$175.35	\$478.00	\$653.35
Wilmington	77.2	57.7	\$265.46	\$385.23	\$650.69
Somerville	52.5	39.3	\$242.06	\$398.16	\$640.22
Malden	62.3	46.6	\$282.59	\$338.89	\$621.49
Waltham	66.4	49.7	\$214.47	\$381.80	\$596.27
Saugus	80.4	60.1	\$357.45	\$232.04	\$589.49
Norwood	64.0	47.8	\$276.40	\$301.82	\$578.22
Chicopee	62.3	46.6	\$209.88	\$359.29	\$569.17
Leominster	61.2	45.8	\$292.98	\$275.32	\$568.30
Wilbraham	67.8	50.7	\$279.34	\$277.98	\$557.32
Cambridge	45.0	33.7	\$137.00	\$417.10	\$554.10
Woburn	128.2	95.9	\$205.00	\$328.00	\$533.00
Everett	63.1	47.2	\$141.34	\$385.54	\$526.89
Boston	45.1	33.8	\$220.99	\$286.07	\$507.06
Worcester	61.3	45.9	\$165.24	\$324.64	\$489.88
Clinton	62.5	46.8	\$255.65	\$191.74	\$447.39
Lynnfield	109.7	82.0	\$445.74	\$0.00	\$445.74
Weston	146.4	109.5	\$433.02	\$0.00	\$433.02
Winchester	95.9	71.7	\$202.34	\$217.52	\$419.86
Peabody	66.2	49.5	\$162.89	\$217.20	\$380.09
Southborough	98.0	73.3	\$336.22	\$0.00	\$336.22
South Hadley	60.7	45.4	\$248.84	\$0.00	\$248.84
Burlington	58.9	44.1	\$82.20	\$108.60	\$190.80
Average (minus non-sewered communities)			\$331.73	\$494.11	\$825.84

APPENDIX D

**FINAL MWRA
FISCAL YEAR 2016 BILLABLE
WATER AND SEWER CHARGES**

MASSACHUSETTS WATER RESOURCES AUTHORITY

FINAL FY16 BILLABLE WATER AND SEWER CHARGES

MWRA Customer	Final FY15 Water Assessment	Final FY16 Water Assessment	Percent Change from FY15	Final FY15 Sewer Assessment	Percent Change from FY15	Final FY15 Combined Assessment	Final FY16 Combined Assessment	Dollar Change from FY15	Percent Change from FY15	
ARLINGTON	4,555,760	4,724,970	3.7%	7,726,704	-0.4%	12,282,464	12,424,248	141,784	1.2%	
ASHLAND	-	-	-	2,310,206	3.0%	2,310,206	2,380,635	70,429	3.0%	
BEDFORD	-	-	-	3,085,246	-3.7%	3,199,185	3,199,185	113,939	3.7%	
BELMONT	2,582,348	2,674,576	3.6%	4,664,723	-0.9%	7,045,071	7,299,437	52,366	0.7%	
BOSTON (BWSC)	75,528,730	80,205,728	6.1%	128,143,74	1.2%	203,772,404	209,906,601	6,134,196	3.0%	
BRAINTREE	-	-	-	8,363,839	8,507,387	8,363,839	8,507,387	143,548	1.7%	
BROOKLINE	6,529,438	6,910,863	5.8%	12,542,458	12,639,575	0.8%	19,071,896	19,550,438	478,542	2.5%
BURLINGTON	-	-	-	4,943,181	4,905,353	-0.8%	4,943,181	4,905,353	-37,828	-0.8%
CAMBRIDGE	-	-	-	22,157,757	23,259,670	5.0%	22,157,757	23,259,670	1,101,913	5.0%
CANTON	991,292	1,286,728	29.8%	3,547,316	3,933,950	10.9%	4,538,608	5,220,688	682,080	15.0%
CHELSEA	3,782,023	4,155,184	9.9%	7,256,557	7,435,243	2.5%	11,038,680	11,590,427	551,747	5.0%
DEDHAM	-	-	-	5,024,472	5,063,931	0.8%	5,024,472	5,063,931	39,459	0.8%
DEDHAM-WESTWOOD WATER DISTRICT	49,042	305,532	523.0%	-	-	-	49,042	305,532	256,490	523.0%
EVERETT	4,611,174	4,636,654	0.6%	7,816,187	8,056,404	3.1%	12,427,361	12,693,058	265,697	2.1%
FRAMINGHAM	7,583,720	8,242,826	8.7%	11,278,349	11,993,982	5.5%	18,862,059	20,137,799	1,275,739	6.8%
HINCHINHAM SEWER DISTRICT	-	-	-	1,651,545	1,699,096	2.6%	1,651,545	1,695,096	43,551	2.6%
HOLBROOK	-	-	-	1,594,287	1,657,660	4.0%	1,594,287	1,657,660	63,373	4.0%
LEXINGTON	6,035,866	6,695,144	10.9%	7,177,414	6,970,176	-2.9%	13,213,280	13,665,320	452,040	3.4%
LYNN (LWSC)	-	-	-	26,393	26,393	-	-	-	-	-
LYNFIELD WATER DISTRICT	490,333	614,185	25.3%	-	-	-	490,333	614,185	123,852	25.3%
MALDEN	6,273,748	6,941,818	10.6%	12,260,112	12,439,049	1.5%	18,533,860	19,380,867	847,007	4.6%
MARBLEHEAD	2,101,639	2,278,325	8.4%	-	-	-	2,101,639	2,278,325	176,686	8.4%
MARLBOROUGH	3,433,407	3,894,026	13.4%	-	-	-	3,433,407	3,894,026	460,619	13.4%
MEDFORD	5,979,858	6,432,009	7.6%	11,075,116	11,355,458	2.5%	17,054,974	17,787,467	722,493	4.3%
MELROSE	2,650,477	2,853,930	7.7%	5,945,198	6,054,875	1.8%	8,595,675	8,908,532	313,130	3.6%
MILTON	2,854,051	3,156,824	10.6%	5,025,212	5,018,915	-0.1%	7,879,263	8,175,739	296,476	3.8%
NAHANT	382,274	425,527	11.3%	-	-	-	-	-	43,253	11.3%
NATICK	-	-	-	5,330,710	5,526,614	3.7%	5,330,710	5,526,614	195,904	3.7%
NEEDHAM	1,193,697	1,012,962	-15.1%	5,466,144	5,408,445	-1.1%	6,659,841	6,421,407	-238,434	-3.6%
NEWTON	10,337,524	12,205,271	16.9%	20,176,404	19,710,607	-2.3%	30,613,928	31,915,878	1,301,950	4.3%
NORTHBOROUGH	1,044,206	1,103,542	5.7%	-	-	-	1,044,206	1,103,542	59,336	5.7%
NORWOOD	3,277,568	3,755,101	14.6%	6,492,751	6,718,885	3.5%	9,770,319	10,473,986	703,667	7.2%
PEABODY	1,219,096	1,480,393	21.4%	-	-	-	1,219,096	1,480,393	261,297	21.4%
QUINCY	10,605,214	11,918,042	12.4%	19,001,720	19,481,076	2.5%	29,606,934	31,399,118	1,792,184	6.1%
RANDOLPH	-	-	-	5,931,064	6,011,817	1.4%	6,931,064	6,421,407	-80,753	-1.4%
READING	1,931,410	2,032,766	5.2%	4,642,124	4,624,378	-0.4%	6,573,534	6,657,144	83,610	1.3%
REVERE	4,484,031	5,013,281	11.8%	10,193,891	10,261,623	0.7%	14,677,922	15,274,904	596,982	4.1%
SAUGUS	3,202,440	3,645,083	13.8%	-	-	-	3,202,440	3,645,083	442,643	13.8%
SOMERVILLE	6,896,106	7,060,400	2.4%	14,845,808	15,585,894	5.0%	21,741,914	22,646,294	904,380	4.2%
SOUTHBOROUGH	765,656	850,020	11.0%	-	-	-	765,656	850,020	84,364	11.0%
STONEMAN	3,490,972	3,381,301	-3.1%	4,477,065	4,429,220	-1.1%	7,968,037	7,810,521	-157,516	-2.0%
STOURTON	931,975	1,106,344	18.7%	4,391,426	4,392,863	0.0%	8,871,020	9,152,433	281,413	3.3%
SWAMPSCOTT	1,782,932	1,827,959	2.5%	-	-	-	1,782,932	1,827,959	45,027	2.5%
WAKEFIELD	1,611,741	1,855,071	15.1%	5,594,367	5,563,282	-0.6%	7,206,108	7,418,353	212,245	2.9%
WALPOLE	-	-	-	3,559,098	3,509,806	-1.4%	3,509,806	3,559,098	49,292	1.4%
WEYMOUTH	8,061,502	8,631,171	7.1%	12,953,520	12,680,425	-2.1%	21,015,322	21,311,596	296,774	1.4%
WALTHAM	3,096,347	3,392,382	9.6%	5,774,673	5,760,051	-0.3%	8,871,020	9,152,433	281,413	3.3%
WATERTOWN	1,253,400	1,234,222	-1.5%	-	-	-	5,121,132	5,102,683	-18,449	-0.4%
WINCHESTER	1,454,285	852,477	-38.2%	5,333,992	5,278,300	-1.0%	6,713,399	6,130,777	-582,622	-8.7%
WINTHROP	1,993,015	2,240,675	12.4%	-	-	-	1,993,015	2,240,675	247,660	12.4%
WESTWOOD	-	-	-	2,426,073	2,473,296	1.9%	2,426,073	2,473,296	47,223	1.9%
WOBURN	3,032,534	3,091,283	1.9%	9,535,730	9,492,994	-0.4%	12,568,264	12,584,277	16,013	0.1%
TOTAL	\$210,233,607	\$226,372,877	7.7%	\$440,082,175	\$446,067,123	1.4%	\$650,315,782	\$672,440,000	\$22,124,218	3.4%

(1) Some communities receive partial water or sewer services from MWRA.

APPENDIX E

**ADDITIONAL 2015 DATA FOR
MWRA COMMUNITIES**

PERCENTAGE OF WATER UNACCOUNTED FOR

No answer	1
0 – 5%	8
5 – 10%	18
10 – 15%	13
15+%	20
Invalid Data	0
Not applicable	0

PERCENTAGE OF WATER SERVICE BILLS LIENED

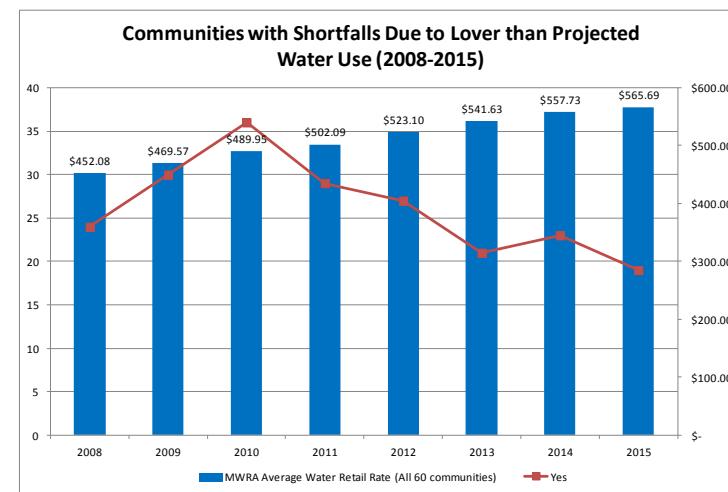
No answer	3
0 – 5%	39
5 – 10%	12
10 – 15%	3
15+%	3
Invalid Data	0
Not applicable	0

PERCENTAGE OF SEWER SERVICE BILLS LIENED

No answer	4
0 – 5%	33
5 – 10%	13
10 – 15%	3
15+%	3
Invalid Data	0
Not applicable	4

COMMUNITIES WITH SHORTFALLS DUE TO LOWER THAN PROJECTED WATER USE (WATER FUNDS)

No answer	3
Yes	19
No	38
Invalid Data	0
Not applicable	0

**COMMUNITIES WITH SHORTFALLS DUE TO LOWER THAN PROJECTED WATER USE (SEWER FUNDS)**

No answer	4
Yes	16
No	36
Invalid Data	0
Not applicable	4

MWRA CHARGES AS A PERCENTAGE OF TOTAL EXPENSES (WATER FUNDS)

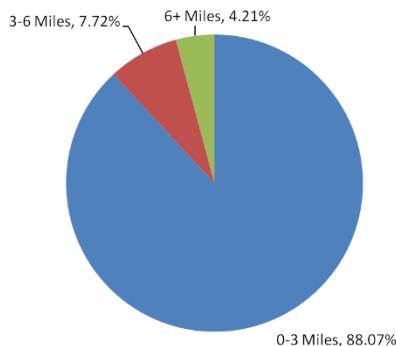
No answer	5
0 – 25%	17
25 – 50%	16
50 – 75%	19
75+%	3
Not applicable	0

MWRA CHARGES AS A PERCENTAGE OF TOTAL EXPENSES (SEWER FUNDS)

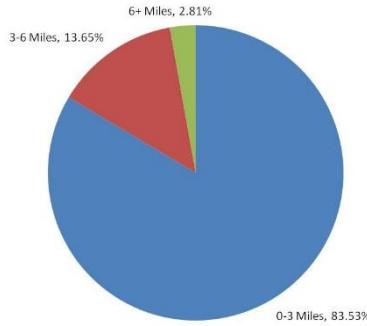
No answer	8
0 – 25%	10
25 – 50%	9
50 – 75%	16
75+%	13
Not applicable	4

NUMBER OF MILES OF WATER PIPELINE REHABILITATED OR REPLACED IN FY15

Annual Water Pipeline Rehab by Miles 2010-2015

**NUMBER OF MILES OF SEWER PIPELINE REHABILITATED OR REPLACED IN FY15**

Annual Sewer Pipeline Rehab by Miles 2010-2015



No answer	1
Less than 1	30
1 – 3 miles	16
3 – 6 miles	4
6+ miles	5
Invalid Data	0
Not applicable	4

ACTUAL WATER CAPITAL NEEDS OVER NEXT FIVE YEARS

No answer	2
\$0 – \$10 million	36
\$10 – \$20 million	14
\$20 – \$50 million	3
\$50+ million	5
Invalid Data	0
Not applicable	0

ANTICIPATED WATER CAPITAL SPENDING OVER NEXT FIVE YEARS

No answer	1
\$100 thousand – \$1 million	6
\$1 – \$5 million	25
\$5 – \$10 million	19
\$10+ million	9
Invalid Data	0
Not applicable	0

ACTUAL SEWER CAPITAL NEEDS OVER NEXT FIVE YEARS

No answer	2
\$0 – \$10 million	33
\$10 – \$20 million	10
\$20 – \$50 million	6
\$50+ million	5
Invalid Data	0
Not applicable	4

ANTICIPATED SEWER CAPITAL SPENDING OVER NEXT FIVE YEARS

No answer	1
\$100 thousand – \$1 million	5
\$1 – \$5 million	24
\$5 – \$10 million	18
\$10+ million	8
Invalid Data	0
Not applicable	4

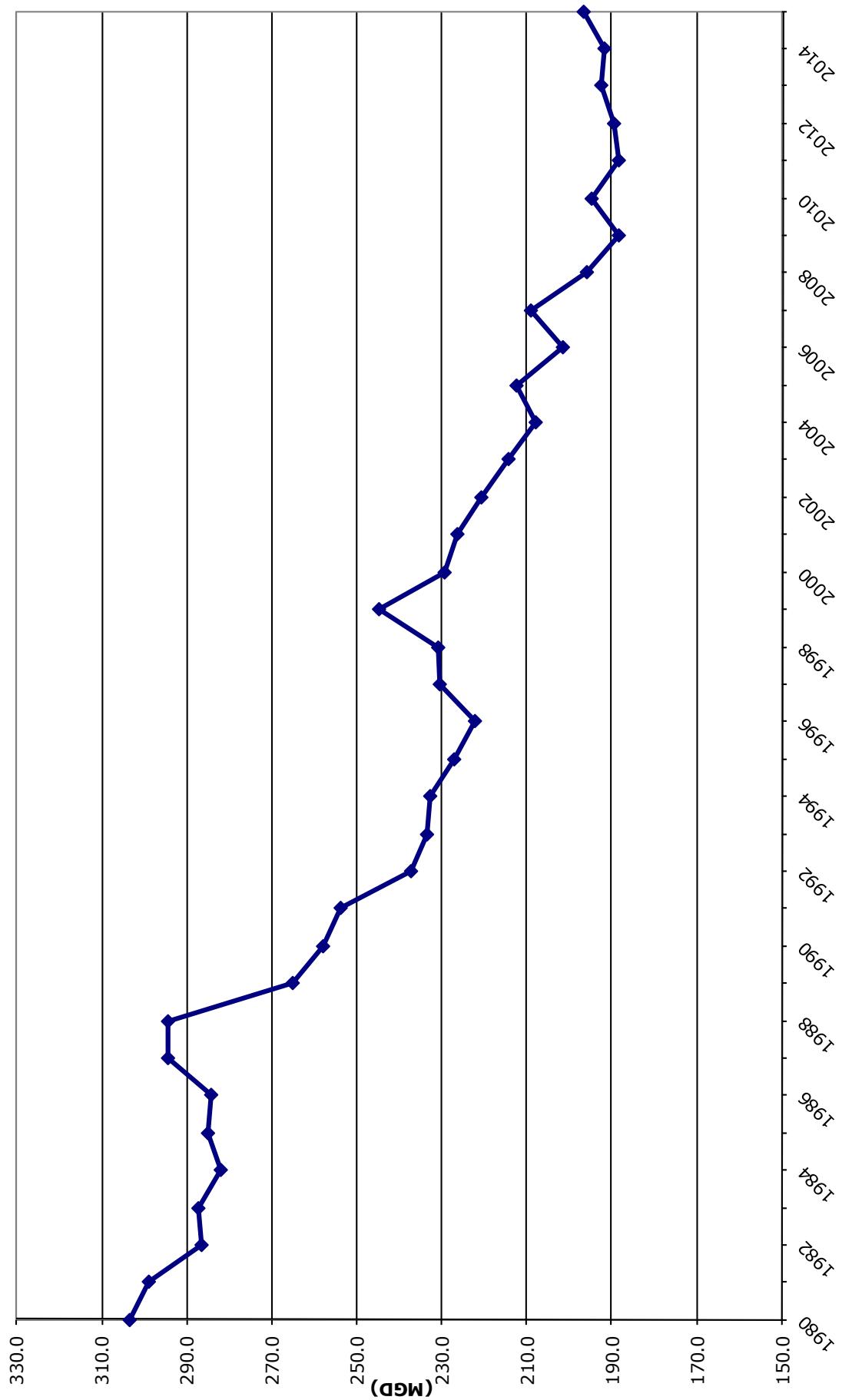
HOW COMMUNITIES RECOVER STORMWATER COSTS (SEE APPENDIX G)

No answer	1
Water/Sewer Rates	12
Special Assessment	4
DPW Budget	40
Invalid Data	0
Not applicable	2
Other	1

APPENDIX F

**MWRA Water System Sales
1980 - 2015**

MWRA System Sales



APPENDIX G

2015 STORMWATER FEES

STORMWATER: The New Challenge for Municipalities

BACKGROUND – WHAT IS STORMWATER?

“Stormwater” is a term used to describe the result of rain storms, snow storms, and other wet weather events. Though stormwater can be taken care of naturally by the ground and surface waters – i.e. streams, tributaries, rivers, etc. – this natural process is disrupted by **impervious area (IA)**, such as concrete roadways, driveways or parking lots, and the roofs of buildings, all of which divert water.

To combat this disruption, communities must direct stormwater to natural or man-made outlets which can treat the water to ensure that water quality is not negatively impacted by chemical and biological materials which can be carried by the flow of stormwater into nearby bodies of water.

NEW CHALLENGES – STRINGENT FEDERAL REGULATIONS

To protect the many bodies of water that can be easily impacted by stormwater, the Environmental Protection Agency (EPA) has advanced the Stormwater Permitting Program through its **National Pollutant Discharge Elimination System (NPDES)** to mitigate these impacts. The regulatory requirements for stormwater were rolled out in the form of the **Municipal Separate Storm Sewer Systems (MS4)** general permit. The comment period for revisions to the MS4 permit went through December 2014 and the permit is expected to be finalized in Spring 2016.

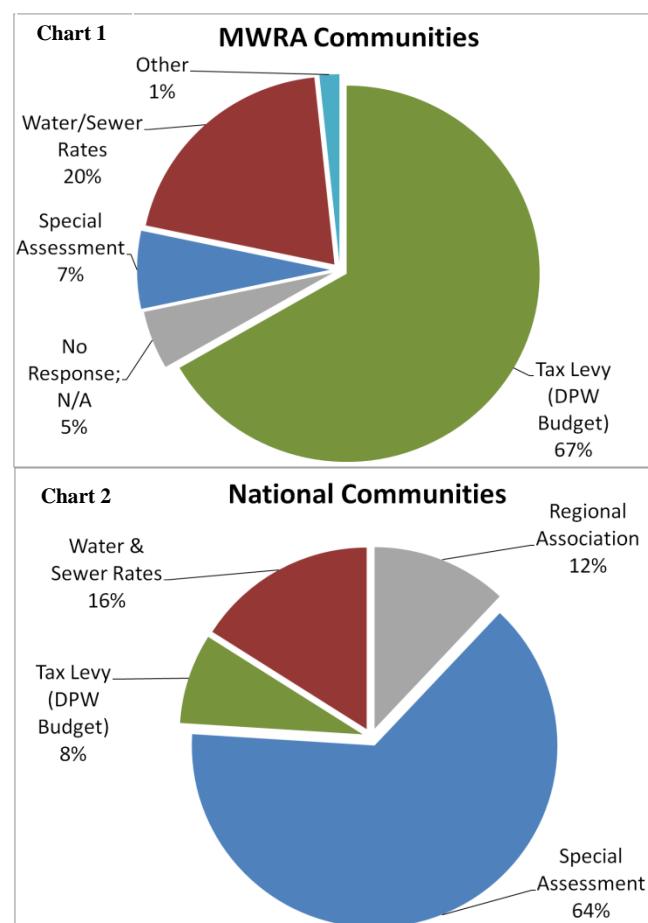
Due to these most recent MS4 permit revisions and new NPDES permits being issued, municipalities across the United States are facing increased needs for funding of new stormwater infrastructure and ongoing infrastructure maintenance and rehabilitation. New challenges in stormwater management include meeting **Phosphorous Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)** and creating public outreach programs to educate residents on stormwater challenges, solutions and costs.

FUNDING STORMWATER INFRASTRUCTURE

Because of increasing local taxes and water/sewer rates over the past two decades, communities are looking at other mechanisms to fund their growing stormwater costs. Nationally, special assessments known as **Stormwater Fees, Drainage Fees or Impervious Area Charges** have become commonplace for municipalities in need of a designated funding source, but they have also been met by some public backlash, sometimes being referred to by opponents as a “Rain Tax.”

Of the MWRA’s 60 communities (Chart 1), only 3 have implemented a stormwater fee to recover stormwater-related costs. An additional community plans to implement a stormwater fee. The majority of MWRA communities pay for stormwater projects through their DPW budgets, supported by the tax levy, or through increases to their water and sewer rates.

Of the 25 national communities (Chart 2) surveyed, 16 have implemented a stormwater fee to fund stormwater-related costs. Additionally, 3 national communities surveyed have their stormwater-



related costs and revenue generated by a regional agency, such as a county system.

TYPES OF STORMWATER FEES

For the purpose of equitably distributing the rising cost of stormwater management across communities, municipalities generally have two different structures for stormwater fees: **residential** and **commercial**. For municipalities with a significant industrial base, a third structure can exist. Because commercial and industrial properties generally have more impervious area, these rate structures tend to be variable.

Calculating the impervious area of all residential parcels can be costly, so residential units are often charged at a flat rate that is based on the impervious area of an average residential unit in the community – this is generally referred to as an **Equivalent Residential Unit (ERU)**. The below table is a breakout of the structure used by each of the surveyed communities that have implemented some form of a stormwater fee at the time this document was printed, and the **annual cost to a residential unit with 2,000 square feet of impervious area**.

Community	Basis	Residential Rate Structure (IA = 2,000 Sq Ft)	Annual Cost Residential (2,000 Sq Ft)
NATIONAL COMMUNITIES			
Austin, TX	IA (Acre)	Online Calculator - www.AustinTexas.gov	
Columbus, OH	Tier (ERU)	\$3.22/mth	\$ 39
Dallas, TX	Flat	\$3.65/mth	\$ 44
Detroit, MI	Flat	\$19.66/mth	\$ 236
Fort Worth, TX	Tier (ERU)	\$5.40/mth	\$ 65
Houston, TX	IA (Sq Ft)	\$0.032 per sq ft	\$ 64
Jacksonville, FL	Flat	\$5.00/mth	\$ 60
Milwaukee, WI	Flat	\$16.13/qtr	\$ 65
Philadelphia, PA	IA (Sq Ft)	Online Calculator - www.Phila.gov	
Portland, ME	Tier (ERU)	\$12.00/mth	\$ 144
Saint Paul, MN	Flat	\$85.36/year	\$ 85
San Antonio, TX	Tier (Sq Ft)	\$3.22/mth	\$ 39
San Diego, CA	Flat	\$0.95/mth	\$ 11
San Jose, CA	Flat	\$7.87/mth	\$ 94
Seattle, WA	Flat	\$198.83/year	\$ 199
Washington, DC	Tier (ERU)	\$22.24/mth	\$ 267
MWRA COMMUNITIES			
Chicopee, MA	Flat	\$25.00/qtr	\$ 100
Reading, MA	Flat	\$10.00/qtr	\$ 40
Newton, MA	Flat	\$6.25/qtr	\$ 25
MA. COMMUNITIES (NON-MWRA)			
Fall River, MA	Flat	\$140.00/year	\$ 140
Northampton, MA	Tier (Sq Ft)	\$61.00/year	\$ 61
Westfield, MA	Flat	\$20.00/year	\$ 20

LOOKING AHEAD

The stormwater appendix was added to the Retail Rate Survey this year to address a growing need for information on the costs of stormwater management under current and future federal regulations. With the finalization of the MS4 permit in 2016 it is expected that greater information will become available as to the cost of these new federal regulations for municipalities, improving the data that can be included in this document. Please contact us with any thoughts or suggestions on ways to improve this section in the future.

APPENDIX H

**Home State Water and Sewer Rates of
2016 Presidential Primary Candidates**

2015 Combined Annual Water and Sewer Charges for Communities of 2016 Presidential Primary Candidates

Data from largest city of the home states of candidates actively seeking major party presidential nominations as of January 27, 2016.

	Water	Sewer	Combined
MWRA Service Area	\$578.41	\$911.39	\$1,489.81
Baltimore, MD	\$725.12	\$731.04	\$1,456.16
New York, NY	\$457.20	\$726.95	\$1,184.15
Lexington-Fayette, KY	\$625.64	\$531.72	\$1,157.36
Burlington, VT	\$480.00	\$666.00	\$1,146.00
Houston, TX	\$472.38	\$640.09	\$1,112.47
Jacksonville, FL	\$337.93	\$686.54	\$1,024.46
Columbus, OH	\$469.62	\$514.84	\$984.46
Philadelphia, PA	\$546.12	\$415.44	\$961.56
Virginia Beach, VA	\$449.82	\$369.72	\$819.54
Little Rock, AR	\$230.16	\$551.88	\$782.04
Newark, NJ	\$326.99	\$397.49	\$724.48
Average	\$474.95	\$595.26	\$1,070.21

Bold denotes cities already included in the MWRA Comparative Data for Select U.S. Cities

Candidates by City:

- Baltimore, MD:** Ben Carson, Martin O'Malley
- Burlington, VT:** Bernie Sanders
- Columbus, OH:** John Kasich
- Houston, TX:** Ted Cruz,
- Jacksonville, FL:** Jeb Bush, Marco Rubio
- Lexington-Fayette, KY:** Rand Paul
- Little Rock, AR:** Mike Huckabee
- New York, NY:** Hillary Clinton, Donald Trump
- Newark, NJ:** Chris Christie
- Philadelphia, PA:** Rick Santorum
- Virginia Beach, VA:** Carly Fiorina, Jim Gilmore

MWRA ADVISORY BOARD MEMBERS

CITY/TOWN	CEO	DESIGNEE	Gubernatorial Appointees
ARLINGTON	Kevin F. Greeley	Michael Rademacher*	<i>Quabbin and Ware Watershed – J. R. Greene</i>
ASHLAND	Joseph J. Magnani, Jr.	David Manugian*	<i>Wachusett Watershed – Barbara Wyatt</i>
BEDFORD	Mark Siegenthaler	Roy Sorenson	<i>Environmental Protection – Andrew Chalker Fisk</i>
BELMONT	Sami S. Baghdady	Jason Marcotte/Michael Bishop	<i>Boston Harbor – Vacant (2)</i>
BOSTON	Hon. Martin J. Walsh	John Sullivan, Jr.*	<i>Connecticut River Basin – Richard N. Palmer</i>
BRAINTREE	Hon. Joseph C. Sullivan	Greg Riley	
BROOKLINE	Neil Wishinsky	Jay Hersey	
BURLINGTON	Michael Runyan	John Sanchez*	
CAMBRIDGE	Hon. David P. Maher – 2015	Timothy MacDonald*	
	Hon. E. Denise Simmons – 2016	Michael Trotta	
CANTON	John J. Connolly	Andrew DeSantis*	
CHELSEA	Thomas G. Ambrosino		
CHICOPEE	Hon. Richard J. Kos		
CLINTON	James J. LeBlanc		
DEDHAM	Michael L. Butler		
EVERETT	Hon. Carlo DeMaria		
FRAMINGHAM	Charles J. Sisitsky		
HINGHAM	Paul Healey		
HOLBROOK	Timothy J. Gordon		
LEOMINSTER	Hon. Dean Mazzarella		
LEXINGTON	Joseph N. Pato		
LYNN	Hon. Judith Flanagan Kennedy		
LYNNFIELD	Philip Crawford		
MALDEN	Hon. Gary Christenson		
MARBLEHEAD	Jackie Belf-Becker		
MARLBOROUGH	Hon. Arthur Vigeant		
MEDFORD	Hon. Michael J. McGlynn – 2015		
	Hon. Stephanie M. Burke – 2016		
MELROSE	Hon. Robert J. Dolan		
MILTON	J. Thomas Hurley		
NAHANT	Michael P. Manning		
NATICK	Charles M. Hughes		
NEEDHAM	Maurice P. Handel		
NEWTON	Hon. Setti D. Warren		
NORTHBOROUGH	Jeff Amberson		
NORWOOD	Paul A. Bishop		
PEABODY	Hon. Edward A. Bettencourt		
QUINCY	Hon. Thomas P. Koch		
RANDOLPH	Paul K. Fernandes		
READING	Daniel Ensminger		
REVERE	Hon. Daniel Rizzo – 2015		
	Hon. Brian Arrigo – 2016		
SAUGUS	Debra Panetta		
SOMERVILLE	Hon. Joseph A. Curtatone		
SOUTH HADLEY	Francis J. DeToma		
SOUTHBOROUGH	John F. Rooney III		
STONEHAM	Thomas Boussy		
STOUGHTON	Joseph Mokrisky		
SWAMPSCOTT	Naomi Dreeben		
WAKEFIELD	Ann Santos		
WALPOLE	Clifton K. Snuffer		
WALTHAM	Hon. Jeannette A. McCarthy		
WATERTOWN	Mark S. Sideris		
WELLESLEY	David L. Murphy		
WESTON	Michael H. Harrity		
WESTWOOD	Michael F. Walsh		
WEYMOUTH	Hon. Susan M. Kay – 2015		
	Hon. Robert L. Hedlund – 2016		
WILBRAHAM	Robert J. Boilard		
WILMINGTON	Michael Champoux		
WINCHESTER	James A. Johnson		
WINTHROP	Peter T. Gill		
WOBURN	Hon. Scott Galvin		
WORCESTER	Hon. Joseph M. Petty		

*Member of the Executive Committee

** Chairman of the Executive Committee

MAPC Appointee:

Advisory Board Designees to the MWRA Board of Directors:

*John Carroll – Norwood
Andrew Pappastergion - Brookline
Joseph Foti - Peabody*