



Annual Water and Sewer Retail Rate Survey

MWRA ADVISORY BOARD

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

2013



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

2013

Annual Water and Sewer Retail Rate Survey

Joseph E. Favaloro
Executive Director



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Introduction

This is the twenty-seventh “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 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. Prior to 2009, this information had 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.

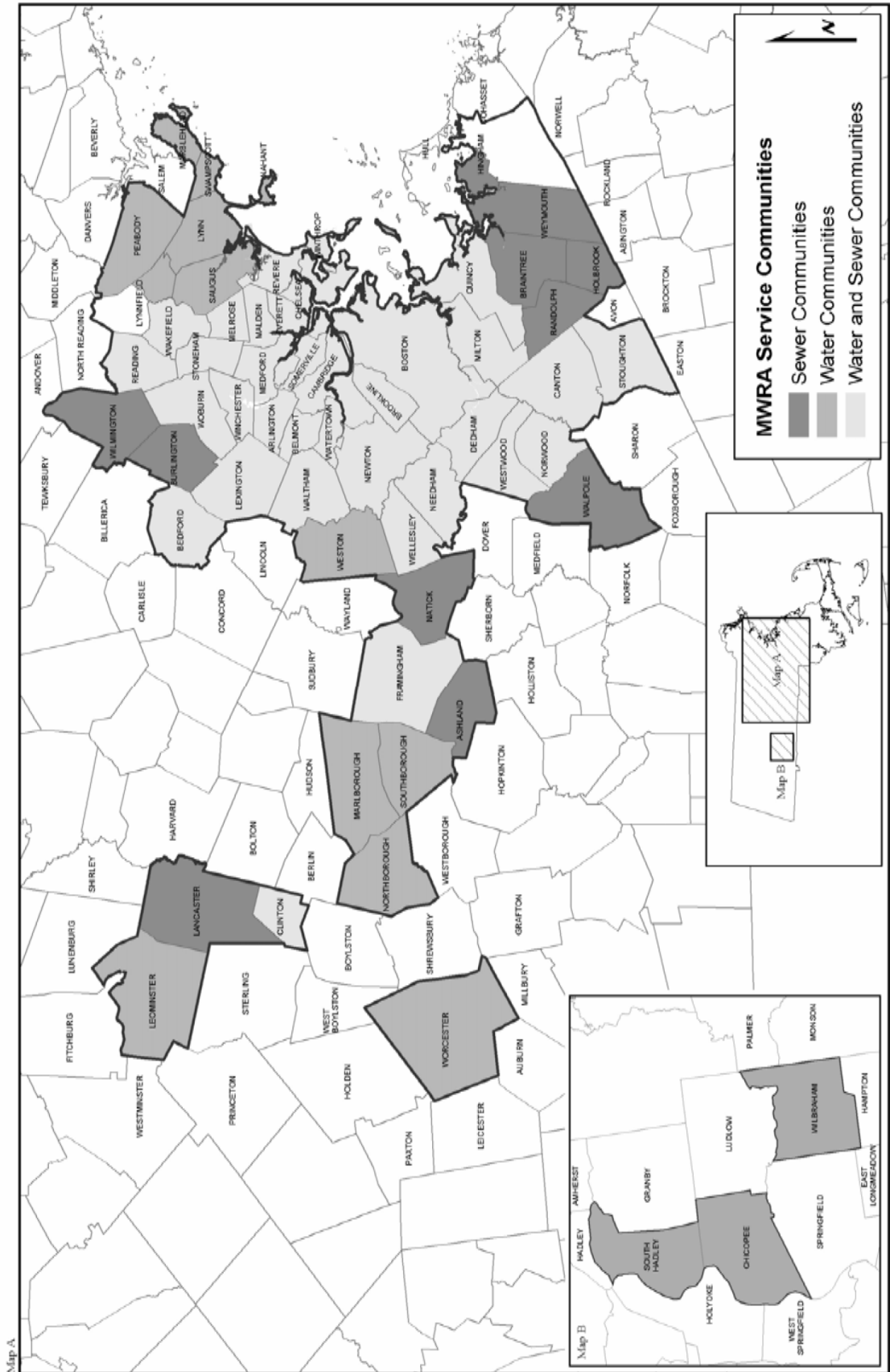
The MWRA Advisory Board

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.

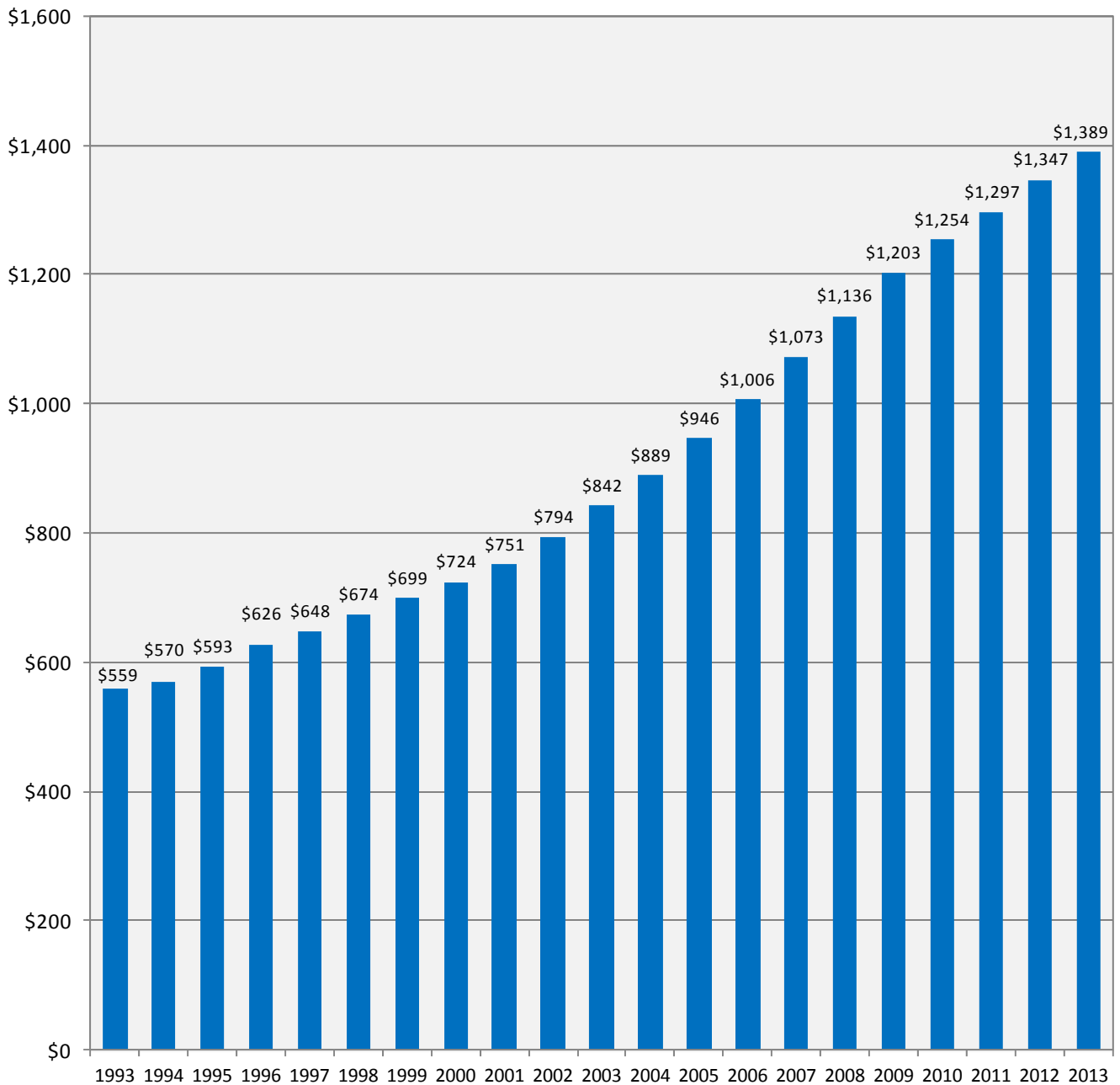
MWRA COMMUNITY 2013 WATER AND SEWER CHARGES



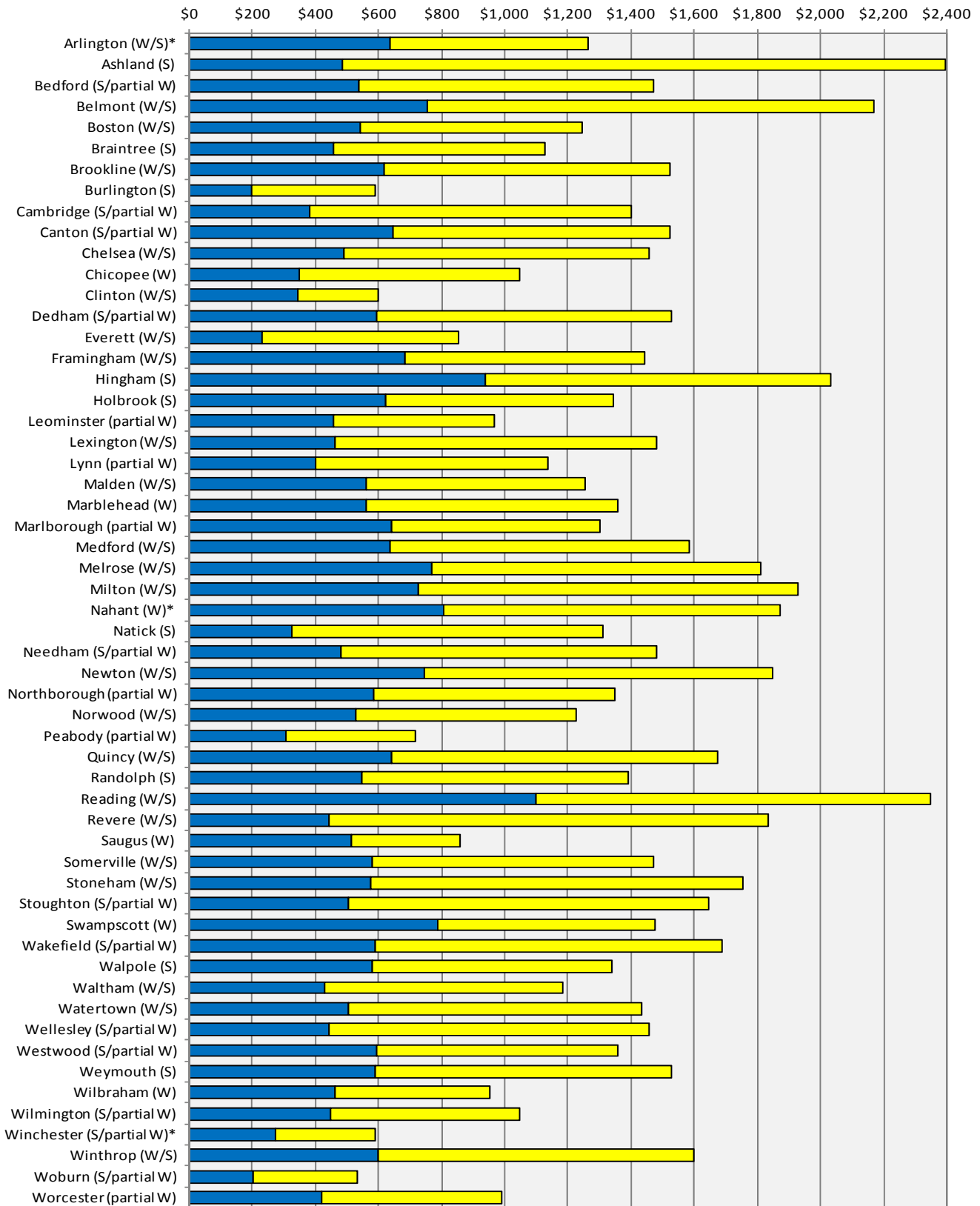
Combined Annual Water & Sewer Charges in MWRA Communities

1993 – 2013

(Consumption at 120 HCF ≈ 90 kgal)



2013 Combined Retail Water & Sewer Community Charge Comparisons (Consumption at 120 HCF ≈ 90 kgal)



| MWRA SYSTEMWIDE SUMMARY DATA | | |
|---|-------------|-------------|
| 2013 | | |
| | 2012 | 2013 |
| Avg. combined water and sewer cost | \$1,346.93 | \$1,389.03 |
| Percent change from prior year | 3.9% | 3.1% |
| <u>WATER BILLING FREQUENCY</u> | | |
| Semi-Annual | 11 | 10 |
| Tri-Annual | 2 | 2 |
| Quarterly | 41 | 41 |
| Bi-Monthly | 1 | 2 |
| Monthly | 5 | 5 |
| <u>WATER RATE STRUCTURE</u> | | |
| Ascending Block with Base/Minimum Charge | 33 | 34 |
| Ascending Block only | 11 | 11 |
| Flat Rate with Base/Minimum Charge | 6 | 6 |
| Flat Rate only | 9 | 8 |
| Fixed Fee | 1 | 1 |
| <u>SENIOR CITIZEN/LOW-INCOME DISCOUNTS</u> | | |
| Senior Discount | | 20 |
| Low-Income Discount | | 5 |
| Both | | 7 |
| Neither | | 27 |
| <u>DEBT SERVICE EXCLUSION</u> | | |
| | 3 | 3 |
| <u>CHANGES IN COMBINED WATER AND SEWER CHARGES</u> | | |
| Decrease | 2 | 3 |
| No change | 15 | 18 |
| 0% to 10% increase | 35 | 36 |
| 10% to 20% increase | 8 | 3 |
| 20% to 30% increase | 0 | 0 |
| 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 2013 | | |
|---|-----------------|-----------------|
| | Water | Sewer |
| Arlington (W/S)* | \$638.86 | \$626.40 |
| Ashland (S) | - | 1912.00 |
| Bedford (S/partial W) | 539.00 | 930.20 |
| Belmont (W/S) | 753.48 | 1413.64 |
| Boston (W/S) | 544.52 | 700.32 |
| Braintree (S) | - | 669.40 |
| Brookline (W/S) | 616.80 | 907.40 |
| Burlington (S) | - | 39150 |
| Cambridge (S/partial W) | 380.00 | 102120 |
| Canton (S/partial W) | 647.20 | 875.60 |
| Chelsea (W/S) | 492.00 | 963.60 |
| Chicopee (W) | 348.00 | - |
| Clinton (W/S) | 343.60 | 257.70 |
| Dedham (S/partial W) | 592.44 | 937.28 |
| Everett (W/S) | 229.20 | 625.20 |
| Framingham (W/S) | 682.56 | 76140 |
| Hingham (S) | - | 1092.00 |
| Holbrook (S) | - | 724.80 |
| Leominster (partial W) | 455.84 | - |
| Lexington (W/S) | 463.60 | 1017.20 |
| Lynn (partial W) | 400.80 | - |
| Lynnfield (W) | 337.60 | - |
| Malden (W/S) | 563.70 | 689.76 |
| Marblehead (W) | 562.00 | - |
| Marlborough (partial W) | 639.60 | - |
| Medford (W/S) | 637.20 | 948.00 |
| Melrose (W/S) | 768.40 | 1040.28 |
| Milton (W/S) | 726.24 | 1202.40 |
| Nahant (W)* | 806.40 | - |
| Natick (S) | - | 984.80 |
| Needham (S/partial W) | 483.00 | 997.80 |
| Newton (W/S) | 747.20 | 110120 |
| Northborough (partial W) | 587.08 | - |
| Norwood (W/S) | 528.72 | 697.68 |
| Peabody (partial W) | 306.00 | - |
| Quincy (W/S) | 640.80 | 1034.04 |
| Randolph (S) | - | 845.60 |
| Reading (W/S) | 1100.40 | 1245.60 |
| Revere (W/S) | 44160 | 1390.80 |
| Saugus (W) | 513.20 | - |
| Somerville (W/S) | 58125 | 890.13 |
| South Hadley (W) | 426.80 | - |
| Southborough (W) | 410.32 | - |
| Stoneham (W/S) | 576.00 | 1176.00 |
| Stoughton (S/partial W) | 504.16 | 1140.00 |
| Swampscott (W) | 788.00 | - |
| Wakefield (S/partial W) | 588.60 | 110160 |
| Walpole (S) | - | 758.11 |
| Waltham (W/S) | 428.64 | 753.00 |
| Watertown (W/S) | 504.56 | 927.60 |
| Wellesley (S/partial W) | 445.68 | 101160 |
| Weston (W) | 279.00 | - |
| Westwood (S/partial W) | 592.44 | 768.00 |
| Weymouth (S) | - | 938.84 |
| Wilbraham (W) | 462.00 | - |
| Wilmington (S/partial W) | 449.60 | 598.80 |
| Winchester (S/partial W)* | 275.60 | 313.20 |
| Winthrop (W/S) | 598.80 | 998.40 |
| Woburn (S/partial W) | 205.00 | 328.00 |
| Worcester (partial W) | 42120 | - |
| AVERAGE | \$530.48 | \$902.46 |
| Percent change | 3.3% | 2.7% |

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).

Combined Annual Water and Sewer Charges for Communities Receiving Services from the MWRA 2013

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)* | \$638.86 | \$626.40 | \$1,265.26 | 7.5% |
| Ashland (S) | \$484.00 | \$1,912.00 | \$2,396.00 | 0.0% |
| Bedford (S/partial W) | \$539.00 | \$930.20 | \$1,469.20 | 4.1% |
| Belmont (W/S) | \$753.48 | \$1,413.64 | \$2,167.12 | 4.6% |
| Boston (W/S) | \$544.52 | \$700.32 | \$1,244.84 | 3.9% |
| Braintree (S) | \$457.80 | \$669.40 | \$1,127.20 | 5.3% |
| Brookline (W/S) | \$616.80 | \$907.40 | \$1,524.20 | 1.9% |
| Burlington (S) | \$196.50 | \$391.50 | \$588.00 | 6.3% |
| Cambridge (S/partial W) | \$380.00 | \$1,021.20 | \$1,401.20 | 3.0% |
| Canton (S/partial W) | \$647.20 | \$875.60 | \$1,522.80 | 2.9% |
| Chelsea (W/S) | \$492.00 | \$963.60 | \$1,455.60 | 0.0% |
| Chicopee (W) | \$348.00 | \$700.70 | \$1,048.70 | 5.0% |
| Clinton (W/S) | \$343.60 | \$257.70 | \$601.30 | 0.0% |
| Dedham (S/partial W) | \$592.44 | \$937.28 | \$1,529.72 | 0.0% |
| Everett (W/S) | \$229.20 | \$625.20 | \$854.40 | 0.0% |
| Framingham (W/S) | \$682.56 | \$761.40 | \$1,443.96 | 15.8% |
| Hingham (S) | \$939.68 | \$1,092.00 | \$2,031.68 | -1.7% |
| Holbrook (S) | \$620.40 | \$724.80 | \$1,345.20 | -0.1% |
| Leominster (partial W) | \$455.84 | \$508.76 | \$964.60 | 2.5% |
| Lexington (W/S) | \$463.60 | \$1,017.20 | \$1,480.80 | 1.6% |
| Lynn (partial W) | \$400.80 | \$736.92 | \$1,137.72 | 0.0% |
| Malden (W/S) | \$563.70 | \$689.76 | \$1,253.46 | 2.4% |
| Marblehead (W) | \$562.00 | \$795.00 | \$1,357.00 | 2.6% |
| Marlborough (partial W) | \$639.60 | \$660.00 | \$1,299.60 | 4.9% |
| Medford (W/S) | \$637.20 | \$948.00 | \$1,585.20 | 2.3% |
| Melrose (W/S) | \$768.40 | \$1,040.28 | \$1,808.68 | 2.8% |
| Milton (W/S) | \$726.24 | \$1,202.40 | \$1,928.64 | 2.2% |
| Nahant (W)* | \$806.40 | \$1,066.80 | \$1,873.20 | 6.4% |
| Natick (S) | \$326.00 | \$984.80 | \$1,310.80 | 3.4% |
| Needham (S/partial W) | \$483.00 | \$997.80 | \$1,480.80 | 0.0% |
| Newton (W/S) | \$747.20 | \$1,101.20 | \$1,848.40 | 3.9% |
| Northborough (partial W) | \$587.08 | \$759.60 | \$1,346.68 | 14.2% |
| Norwood (W/S) | \$528.72 | \$697.68 | \$1,226.40 | 1.0% |
| Peabody (partial W) | \$306.00 | \$409.80 | \$715.80 | 0.0% |
| Quincy (W/S) | \$640.80 | \$1,034.04 | \$1,674.84 | 4.2% |
| Randolph (S) | \$546.20 | \$845.60 | \$1,391.80 | 8.0% |
| Reading (W/S) | \$1,100.40 | \$1,245.60 | \$2,346.00 | 4.2% |
| Revere (W/S) | \$441.60 | \$1,390.80 | \$1,832.40 | 15.1% |
| Saugus (W) | \$513.20 | \$344.00 | \$857.20 | 0.0% |
| Somerville (W/S) | \$581.25 | \$890.13 | \$1,471.38 | 3.0% |
| Stoneham (W/S) | \$576.00 | \$1,176.00 | \$1,752.00 | 7.4% |
| Stoughton (S/partial W) | \$504.16 | \$1,140.00 | \$1,644.16 | 2.2% |
| Swampscott (W) | \$788.00 | \$689.00 | \$1,477.00 | -2.8% |
| Wakefield (S/partial W) | \$588.60 | \$1,101.60 | \$1,690.20 | 2.0% |
| Walpole (S) | \$582.36 | \$758.11 | \$1,340.47 | 1.1% |
| Waltham (W/S) | \$428.64 | \$753.00 | \$1,181.64 | 0.0% |
| Watertown (W/S) | \$504.56 | \$927.60 | \$1,432.16 | 2.8% |
| Wellesley (S/partial W) | \$445.68 | \$1,011.60 | \$1,457.28 | 5.1% |
| Westwood (S/partial W) | \$592.44 | \$768.00 | \$1,360.44 | 1.5% |
| Weymouth (S) | \$590.88 | \$938.84 | \$1,529.72 | 0.0% |
| Wilbraham (W) | \$462.00 | \$492.00 | \$954.00 | 5.3% |
| 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) | \$598.80 | \$998.40 | \$1,597.20 | 0.0% |
| Woburn (S/partial W) | \$205.00 | \$328.00 | \$533.00 | 0.0% |
| Worcester (partial W) | \$421.20 | \$570.24 | \$991.44 | 6.9% |
| AVERAGE | \$541.87 | \$847.16 | \$1,389.03 | 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: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge per bill \$21.83 (for both)
 0 – 200 HCF/fiscal year \$ 4.96/HCF
 >200 HCF \$ 7.30 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge per bill n/a
 First 1,000 HCF/bill \$ 5.22/HCF
 >1,000 HCF/ " \$10.43 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$638.86 |
| Sewer | \$626.40 |
| Combined | \$1,265.26 |
| % change from 2012 | 7.5% |

| Annual Cost Actual Community Usage (60.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$342.25 |
| Sewer | \$314.24 |
| Combined | \$656.49 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

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

Ashland (S)

Residential Water Rates:

Last adjusted: May 2012
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge per bill \$16.00
 0 – 10 HCF \$ 2.37/HCF
 >10 - 40 HCF \$ 2.71 "
 >40 - 90 HCF \$ 4.01 "
 >90 HCF \$ 4.96 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: May 2012
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge per bill \$16.00
 0 – 10 HCF \$10.86/HCF
 >10 - 40 HCF \$11.78 "
 >40 - 90 HCF \$13.12 "
 >90 HCF \$16.28 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$484.00 |
| Sewer | \$1,912.00 |
| Combined | \$2,396.00 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (64.8 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$376.68 |
| Sewer | \$1,445.51 |
| Combined | \$1,822.20 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: 20% water, 20% sewer

Commercial Sewer Rates:

Same as residential

Bedford (S/partial W)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: General

Base charge per bill \$17.50
 0 – 20 HCF \$ 1.20/HCF
 > 20 HCF \$ 5.70 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: General

Base charge per bill \$22.50
 0 – 20 HCF \$ 3.33/HCF
 > 20 HCF \$ 9.40 "

Based on 100% of water usage.

Billing Frequency: Residential: Semi-Annually Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$539.00 |
| Sewer | \$930.20 |
| Combined | \$1,469.20 |
| % change from 2012 | 4.1% |

| Annual Cost Actual Community Usage (79.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$307.01 |
| Sewer | \$547.62 |
| Combined | \$854.63 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Belmont (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge per bill \$17.97
 0 – 30 HCF \$ 5.68/HCF
 >30 \$ 6.53 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge per bill \$15.91
 All units \$11.25/HCF

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$753.48 |
| Sewer | \$1,413.64 |
| Combined | \$2,167.12 |
| % change from 2012 | 4.6% |

| Annual Cost Actual Community Usage (86.6 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$563.77 |
| Sewer | \$1,037.89 |
| Combined | \$1,601.66 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: \$3.98/HCF (Water) \$7.88/HCF (Sewer) based on property tax discount eligibility.

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

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise
 First 19 CF/Day \$4.450/HCF
 Next 20 CF \$4.658 "
 Next 50 CF \$4.851 "
 Next 260 CF \$5.158 "
 Next 950 CF \$5.382 "
 Over 1,299 CF \$5.571 "

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise
 First 19 CF/Day \$5.761/HCF
 Next 20 CF \$5.939 "
 Next 50 CF \$6.058 "
 Next 260 CF \$6.392 "
 Next 950 CF \$6.745 "
 Over 1,299 CF \$6.978 "
 Based on 100% of water usage.

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$544.52 |
| Sewer | \$700.32 |
| Combined | \$1,244.84 |
| % change from 2012 | 3.9% |

| Annual Cost Actual Community Usage (45.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$203.03 |
| Sewer | \$262.85 |
| Combined | \$465.88 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: 25% Senior/Disabled Discount on water charges only.

Braintree (S)

Residential Water Rates:

Last adjusted: June 2013
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base charge per bill: \$16.75
 0 – 5 HCF \$ 2.29/HCF
 >5 – 35 HCF \$ 3.45 "
 >35 – 200 HCF \$ 6.24 "
 >200 HCF \$ 8.89 "

Residential Sewer Rates:

Last adjusted: June 2013
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base charge per bill: \$16.75
 0 – 5 HCF \$ 4.12/HCF
 >5 – 35 HCF \$ 5.20 "
 >35 – 200 HCF \$ 8.14 "
 >200 HCF \$ 8.94 "
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$457.80 |
| Sewer | \$669.40 |
| Combined | \$1,127.20 |
| % change from 2012 | 5.3% |

| Annual Cost Actual Community Usage (82.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$329.46 |
| Sewer | \$475.96 |
| Combined | \$805.42 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

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

Brookline (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge \$25.00
 0 – 7 HCF \$ 1.70/HCF
 >7 \$ 5.10 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge \$25.00
 0 – 7 HCF \$ 3.70/HCF
 >7 \$ 7.65 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$616.80 |
| Sewer | \$907.40 |
| Combined | \$1,524.20 |
| % change from 2012 | 1.9% |

| Annual Cost Actual Community Usage (65.4 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$338.34 |
| Sewer | \$489.71 |
| Combined | \$828.05 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: 20% senior discount based on income eligibility.

Burlington (S)

Residential Water Rates:

Last adjusted: July 2013
 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 "

Billing Frequency: Residential: Semi-annually

Residential Sewer Rates:

Last adjusted: July 2013
 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.

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 2012 | 6.3% |

| Annual Cost Actual Community Usage (51.9 kgal = DEP Data Provided by Community) | |
|---|----------|
| Water | \$97.80 |
| Sewer | \$155.40 |
| Combined | \$253.20 |

Commercial Water Rates:

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

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

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

Cambridge (S/partial W)

Residential Water Rates:

Last adjusted: April 2013
 Next adjustment scheduled: No response
 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 "

Residential Sewer Rates:

Last adjusted: April 2013
 Next adjustment scheduled: No response
 Fund: General

0 – 40 HCF/year \$ 8.19/HCF
 >40 – 400 HCF/year \$ 8.67 "
 >400 – 2,000 HCF/year \$ 9.31 "
 >2,000 – 10,000 HCF/year \$10.02 "
 >10,000 HCF/year \$10.66 "

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$380.00 |
| Sewer | \$1,021.20 |
| Combined | \$1,401.20 |
| % change from 2012 | 3.0% |

| Annual Cost Actual Community Usage (47.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$144.13 |
| Sewer | \$390.02 |
| Combined | \$534.15 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: Residents over 65 who own/occupy their own home are eligible for a 15% discount on water/sewer bills not to exceed \$90 annually.

Canton (S/partial W)

Residential Water Rates:

Last adjusted: July 2011
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base Charge \$10.00
 1 – 15 HCF \$ 3.80/HCF
 >15 – 40 HCF \$ 6.32 "
 >40 – 100 HCF \$10.43 "
 >100 HCF \$13.11 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base Charge \$ 5.00
 1 – 15 HCF \$ 6.82/HCF
 >15 – 40 HCF \$ 7.44 "
 >40 – 100 HCF \$ 9.73 "
 >100 HCF \$12.49 "

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$647.20 |
| Sewer | \$875.60 |
| Combined | \$1,522.80 |
| % change from 2012 | 2.9% |

| Annual Cost Actual Community Usage (86.6 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$436.11 |
| Sewer | \$627.10 |
| Combined | \$1,063.22 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Chelsea (W/S)

Residential Water Rates:

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

0 – 10 HCF \$4.10/HCF
 >10 – 25 HCF \$4.99 "
 >25 HCF \$5.97 "

Billing Frequency: Monthly

Residential Sewer Rates:

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

0 – 10 HCF \$ 8.03/HCF
 >10 – 25 HCF \$ 8.75 "
 >25 HCF \$10.06 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$492.00 |
| Sewer | \$963.60 |
| Combined | \$1,455.60 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (67.9 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$278.47 |
| Sewer | \$545.40 |
| Combined | \$823.87 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Chicopee (W)

Residential Water Rates:

Last adjusted: July 2012
 Next adjustment scheduled: No response
 Fund: General

Minimum charge \$10.00
 0 – 10 HCF \$ 2.70/HCF
 >10 HCF \$ 3.00 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: June 2013
 Next adjustment scheduled: June 2014
 Fund: Special Revenue (Sewer Use Fee)

Minimum Charge per bill (<334 CF): \$10.00/quarter
 CSO Fee \$25.00/quarter
 0 – 10 HCF \$ 4.90/HCF
 >10 HCF \$ 5.70 "

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 | \$348.00 |
| Sewer | \$700.70 |
| Combined | \$1,048.70 |
| % change from 2012 | 5.0% |

| Annual Cost Actual Community Usage (67.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$191.40 |
| Sewer | \$425.50 |
| Combined | \$616.90 |

Commercial Water Rates:

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

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Clinton (W/S)

Residential Water Rates:

Last adjusted: June 2007
 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: June 2007
 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 2012 | 0.0% |

| Annual Cost Actual Community Usage (65.1 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$179.99 |
| Sewer | \$134.99 |
| Combined | \$314.98 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

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.

Dedham (S)

Residential Water Rates:

Last adjusted: January 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge per bill includes first 3 HCF (5/8" meter) \$35.52

>3 – 42 HCF \$ 4.17/HCF
 >42 – 75 HCF \$ 6.77 "
 >75 HCF \$ 8.77 "

Residential Sewer Rates:

Last adjusted: June 2008
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge (under 5 HCF) \$32.32
 > 5 HCF \$ 8.08/HCF
 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 | \$592.44 |
| Sewer | \$937.28 |
| Combined | \$1,529.72 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (69.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$431.06 |
| Sewer | \$527.62 |
| Combined | \$958.69 |

Commercial Water Rates:

Minimum charge 5/8" with 9 HCF allowance: \$52.71

All units in excess of allowance \$ 4.17/HCF

Commercial Sewer Rates:

Minimum Charge: (under 5 HCF) \$45.20

All units \$11.30/HCF

Senior and/or Low Income Discounts: Low income rate

Everett (W/S)

Residential Water Rates:

Last adjusted: July 2012
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------|------------|
| 0 – 30 HCF | \$1.91/HCF |
| >30 – 60 HCF | \$2.42 " |
| >60 – 90 HCF | \$2.92 " |
| >90 – 240 HCF | \$3.33 " |
| >240 HCF | \$4.00 " |

Residential Sewer Rates:

Last adjusted: July 2012
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------|------------|
| 0 – 30 HCF | \$5.21/HCF |
| >30 – 60 HCF | \$6.83 " |
| >60 – 90 HCF | \$7.84 " |
| >90 – 240 HCF | \$8.79 " |
| >240 HCF | \$9.79 " |

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$229.20 |
| Sewer | \$625.20 |
| Combined | \$854.40 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (99.9 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$190.81 |
| Sewer | \$520.48 |
| Combined | \$711.29 |

Commercial Water Rates:
 Same as residential

Commercial Sewer Rates:
 Same as residential

Senior and/or Low Income Discounts: 15% on water only, 65+ or fully disabled in a 1-3 family dwelling.

Framingham (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------|------------|
| 0 – 12 HCF | \$5.25/HCF |
| >12 – 27 HCF | \$5.82 " |
| >27 – 51 HCF | \$6.78 " |
| >51 – 750 HCF | \$7.99 " |
| >750 HCF | \$9.67 " |

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------|--------------|
| 0 – 12 HCF | \$ 6.02 /HCF |
| >12 – 27 HCF | \$ 6.21 " |
| >27 – 51 HCF | \$ 8.32 " |
| >51 – 750 HCF | \$11.93 " |
| >750 HCF | \$17.35 " |

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 | \$682.56 |
| Sewer | \$761.40 |
| Combined | \$1,443.96 |
| % change from 2012 | 15.8% |

| Annual Cost Actual Community Usage (65.5 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$353.85 |
| Sewer | \$397.64 |
| Combined | \$751.49 |

Commercial Water Rates:
 Same as residential

Commercial Sewer Rates:
 Same as residential

Senior and/or Low Income Discounts: Water and Sewer Discount Program offers 25% for single family, 12.5% for two family, and 8.3% for three family if qualifications are met.

Hingham (S)

Residential Water Rates:

Last adjusted: November 2012
 Next adjustment scheduled: No response
 Fund: Private Company

Base charge (5/8" 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 "

Residential Sewer Rates:

Last adjusted: May 2013
 Next adjustment scheduled: May 2014
 Fund: Special Revenue

Minimum charge \$160.00
 All units \$ 9.10/HCF
 Based on 100% of water usage.

Billing Frequency: Water: Quarterly Sewer: Semi-Annually

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$939.68 |
| Sewer | \$1,092.00 |
| Combined | \$2,031.68 |
| % change from 2012 | -1.7% |

| Annual Cost Actual Community Usage (79.3 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$709.28 |
| Sewer | \$721.63 |
| Combined | \$1,430.91 |

Commercial Water Rates:

Base charge (5/8" meter): \$77.58/quarter
 0-12 HCF \$ 2.107/HCF
 >12 HCF \$ 2.638 "

Commercial Sewer Rates:

Same as residential.

Senior and/or Low Income Discounts: Each year, the first 400 customers who qualify for the low-income assistance program can get a one-time voucher for \$50.

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

Holbrook (S)

Residential Water Rates:

Last adjusted: April 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge \$132.30/year
 All units \$ 5.17/HCF

Residential Sewer Rates:

Last adjusted: April 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge \$229.36/year
 All units \$ 6.05/HCF
 Based on 100% of water usage.

Billing Frequency: Quarterly (2 estimated bills)

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$620.40 |
| Sewer | \$724.80 |
| Combined | \$1,345.20 |
| % change from 2012 | -0.1% |

| Annual Cost Actual Community Usage (53.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$277.63 |
| Sewer | \$324.35 |
| Combined | \$601.98 |

Commercial Water Rates:

All units \$5.38/HCF

Commercial Sewer Rates:

All units \$6.20/HCF

Senior and/or Low Income Discounts: None

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 2012 | 2.5% |

| Annual Cost Actual Community Usage (64.6 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$263.05 |
| Sewer | \$288.82 |
| Combined | \$551.87 |

Commercial Water Rates:

Same as residential
 Senior and/or Low Income Discounts: None.

Commercial Sewer Rates:

Same as residential

Lexington (W/S)

Residential Water Rates:

Last adjusted: October 2013
 Next adjustment scheduled: October 2014
 Fund: Enterprise
 0 – 40 HCF \$3.31/HCF
 >40 – 80 HCF \$4.97 "
 >80 HCF \$6.55 "
 Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: October 2013
 Next adjustment scheduled: October 2014
 Fund: Enterprise
 0 – 40 HCF \$ 7.00/HCF
 >40 – 80 HCF \$11.43 "
 >80 HCF \$18.17 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$463.60 |
| Sewer | \$1,017.20 |
| Combined | \$1,480.80 |
| % change from 2012 | 1.6% |

| Annual Cost Actual Community Usage (88.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$305.55 |
| Sewer | \$653.73 |
| Combined | \$959.28 |

Commercial Water Rates:

Same as residential
 Senior and/or Low Income Discounts: 30% discount for customers that qualify for fuel assistance.

Commercial Sewer Rates:

Same as residential

Lynn (partial W)

Residential Water Rates:

Last adjusted: July 2010
 Next adjustment scheduled: July 2014
 Fund: Enterprise

0 – 27 HCF \$3.33/HCF
 >27 – 73 HCF \$3.43 "
 >73 – 2,812 HCF \$3.47 "
 >2,812 HCF \$3.52 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2009
 Next adjustment scheduled: July 2014
 Fund: Enterprise

0 – 27 HCF \$6.12/HCF
 >27 – 73 HCF \$6.33 "
 >73 – 2,812 HCF \$6.39 "
 >2,812 HCF \$6.44 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$400.80 |
| Sewer | \$736.92 |
| Combined | \$1,137.72 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (69.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$232.43 |
| Sewer | \$427.18 |
| Combined | \$659.61 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: Discounts available for owner-occupied widows, widowers, seniors, and fully disabled. Single family 15%, two family 7.5%, and three family 5%

Lynnfield – Lynnfield Water District (W)

Residential Water Rates:

Last adjusted: April 2007
 Next adjustment scheduled: No response
 Fund: General

Base charge includes
 0 – 20 HCF \$62.00/bill
 >20 – 100 HCF \$ 2.67/HCF
 >100 HCF \$ 2.90 "

Billing Frequency: Residential: Semi-annually

Residential Sewer Rates:

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

Community not sewered.

Commercial: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|-------------|
| Water | \$337.60 |
| Sewer | Not sewered |
| Combined | \$337.60 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (110.0 HCF = DEP Data Provided by Community) | |
|---|-------------|
| Water | \$310.90 |
| Sewer | Not sewered |
| Combined | \$310.90 |

Commercial Water Rates:

Base charge per quarterly bill includes
 0 – 10 HCF \$31.00
 >10 – 50 HCF \$ 2.67/HCF
 >50 HCF \$ 2.90 "

Commercial Sewer Rates:

n/a

Senior and/or Low Income Discounts: General discount noted below

◆ Lynnfield has a 10% discount for water service for all customers if bill is paid within 20 days.

Malden (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum charge (5/8" meter) includes 0 – 1.5 HCF: \$ 3.00/month
 >1.5 – 8 HCF: \$ 4.11/HCF
 >8 – 120 HCF \$ 8.63 "
 >120 HCF \$11.80 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

Minimum charge (5/8" meter) includes 0 – 1.5 HCF: \$ 3.00/month
 >1.5 – 8 HCF: \$ 5.36/HCF
 >8 – 120 HCF \$ 9.82 "
 >120 HCF \$11.21 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$563.70 |
| Sewer | \$689.76 |
| Combined | \$1,253.46 |
| % change from 2012 | 2.4% |

| Annual Cost Actual Community Usage (66.5 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$235.25 |
| Sewer | \$295.85 |
| Combined | \$531.11 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Marblehead (W)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Administrative Charge \$14.50/bill
 0 – 30 HCF \$ 4.20/HCF
 >30 HCF \$ 4.70 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Administrative Charge \$11.25/bill
 0 – 30 HCF \$ 6.25/HCF
 >30 HCF \$ 6.60 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$562.00 |
| Sewer | \$795.00 |
| Combined | \$1,357.00 |
| % change from 2012 | 2.6% |

| Annual Cost Actual Community Usage (85.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$415.84 |
| Sewer | \$577.50 |
| Combined | \$993.34 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

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

Marlborough (partial W)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: General
 All units \$5.33/HCF

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: General
 All units \$5.50/HCF
 Based on 100% of water consumption.

Billing Frequency: Residential: Quarterly | Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$639.60 |
| Sewer | \$660.00 |
| Combined | \$1,299.60 |
| % change from 2012 | 4.9% |

| Annual Cost Actual Community Usage (61.1 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$325.66 |
| Sewer | \$336.05 |
| Combined | \$661.71 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Medford (W/S)

Residential Water Rates:

Last adjusted: July 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$5.31/HCF

Residential Sewer Rates:

Last adjusted: July 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$7.90/HCF
 Based on 100% of water usage.

Billing Frequency: Bi-monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$637.20 |
| Sewer | \$948.00 |
| Combined | \$1,585.20 |
| % change from 2012 | 2.3% |

| Annual Cost Actual Community Usage (71.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$380.73 |
| Sewer | \$566.43 |
| Combined | \$947.16 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: \$25.00 for water and \$25.00 for sewer.

Commercial Sewer Rates:

Same as residential

Melrose (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base Fee (up to 1" meter) \$15.00/quarter
 0 – 20 HCF \$ 5.31/HCF
 >20 – 100 HCF \$ 7.09/HCF
 >100 HCF \$ 7.90/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise
 Base Fee (up to 1" meter) \$ 5.00/quarter
 0 – 20 HCF \$ 8.97/HCF
 >20 – 100 HCF \$10.81/HCF
 >100 HCF \$11.34/HCF
 Based on 90% of water usage. If second meter is installed, then based on 100% of primary meter.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$768.40 |
| Sewer | \$1,040.28 |
| Combined | \$1,808.68 |
| % change from 2012 | 2.8% |

| Annual Cost Actual Community Usage (58.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$372.23 |
| Sewer | \$547.44 |
| Combined | \$919.66 |

Commercial Water Rates:

All units \$7.10/HCF

Commercial Sewer Rates:

All units \$9.90/HCF

Senior and/or Low Income Discounts: 10% discount on water and sewer.

Milton (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 Minimum charge includes
 0 – 6 HCF \$31.08/bill
 >6 – 30 HCF \$ 6.27 /HCF
 >30 – 60 HCF \$ 6.91 "
 >60 HCF \$ 7.39 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 Minimum charge includes
 0 – 6 HCF \$35.16/bill
 >6 – 30 HCF \$11.06/HCF
 >30 – 60 HCF \$12.18 "
 >60 HCF \$12.99 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$726.24 |
| Sewer | \$1,202.40 |
| Combined | \$1,928.64 |
| % change from 2012 | 2.2% |

| Annual Cost Actual Community Usage (81.5 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$484.85 |
| Sewer | \$776.59 |
| Combined | \$1,261.44 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Nahant (W)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 All units \$6.72/HCF
 Billing Frequency: Tri-Annually

Residential Sewer Rates:

Last adjusted: July 2012
 Next adjustment scheduled: July 2014
 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 | \$806.40 |
| Sewer | \$1,066.80 |
| Combined | \$1,873.20 |
| % change from 2012 | 6.4% |

| Annual Cost Actual Community Usage (91.5 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$614.88 |
| Sewer | \$813.44 |
| Combined | \$1,428.32 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

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)

Natick (S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 Administrative Fee \$5.00/bill
 0 – 10 HCF \$1.60/HCF
 >10 – 20 HCF \$2.44 "
 >20 – 40 HCF \$3.61 "
 >40 HCF \$5.61 "
 Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 0 – 10 HCF \$ 4.30/HCF
 >10 – 20 HCF \$ 7.66 "
 >20 HCF \$12.66 "
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$326.00 |
| Sewer | \$984.80 |
| Combined | \$1,310.80 |
| % change from 2012 | 3.4% |

| Annual Cost Actual Community Usage (72.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$164.03 |
| Sewer | \$423.25 |
| Combined | \$587.28 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: 25% water and 25% sewer

Commercial Sewer Rates:

Same as residential

Needham (S/partial W)

Residential Water Rates:

Last adjusted: July 2010
 Next adjustment scheduled: No response
 Fund: Enterprise

Basic Service Fee: \$15.00
 0 – 6 HCF \$ 2.50/HCF
 >6 – 27 HCF \$ 3.75 "
 >27 – 42 HCF \$ 4.00 "
 >42 HCF \$ 4.40 "

Billing Frequency: Residential – Quarterly, Commercial - Monthly

Residential Sewer Rates:

Last adjusted: July 2010
 Next adjustment scheduled: No response
 Fund: Enterprise

0 – 6 HCF \$7.70/HCF
 >6 – 27 HCF \$8.40 "
 >27 – 42 HCF \$8.95 "
 >42 HCF \$9.70 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$483.00 |
| Sewer | \$997.80 |
| Combined | \$1,480.80 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (99.2 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$402.00 |
| Sewer | \$816.48 |
| Combined | \$1,218.48 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Newton (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

0 - 20 HCF \$5.84/HCF
 >20 – 70 HCF \$7.00 "
 >70 HCF \$8.41 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

0 - 20 HCF \$ 8.60/HCF
 >20 – 70 HCF \$10.33 "
 >70 HCF \$12.40 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$747.20 |
| Sewer | \$1,101.20 |
| Combined | \$1,848.40 |
| % change from 2012 | 3.9% |

| Annual Cost Actual Community Usage (66.4 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$387.78 |
| Sewer | \$571.04 |
| Combined | \$958.82 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: A 30% discount for water and sewer services supplied to dwellings owned and inhabited by any person who is certified by the Board of Assessors as qualifying under one or more of the tax exemption programs set out in Massachusetts General Laws.

Commercial Sewer Rates:

Same as residential

Northborough (partial W)

Residential Water Rates:

Last adjusted: December 2013
 Next adjustment scheduled: Unknown
 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: December 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

0 – 20 HCF \$5.207/HCF
 >20 – 60 HCF \$5.401 "
 >60 HCF \$5.644 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$587.08 |
| Sewer | \$759.60 |
| Combined | \$1,346.68 |
| % change from 2012 | 14.2% |

| Annual Cost Actual Community Usage (60.0 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$296.56 |
| Sewer | \$375.00 |
| Combined | \$671.56 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Norwood (W/S)

Residential Water Rates:

Last adjusted: May 2013
 Next adjustment scheduled: No response
 Fund: General

Meter charge (5/8") \$2.66/month
 0 – 5 HCF \$3.34/HCF
 >5 HCF \$4.94 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: May 2013
 Next adjustment scheduled: No response
 Fund: General

0 – 3 HCF \$ 6.62/HCF
 >3 HCF \$12.76 "

Based on 60% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$528.72 |
| Sewer | \$697.68 |
| Combined | \$1,226.40 |
| % change from 2012 | 1.0% |

| Annual Cost Actual Community Usage (49.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$196.25 |
| Sewer | \$195.42 |
| Combined | \$391.67 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

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 2012 | 0.0% |

| Annual Cost Actual Community Usage (66.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$164.22 |
| Sewer | \$218.99 |
| Combined | \$383.21 |

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 "

Senior and/or Low Income Discounts: None

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

Quincy (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$5.34/HCF

Billing Frequency: Residential: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$12.31/HCF
 Based on 70% of water usage.

Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$640.80 |
| Sewer | \$1,034.04 |
| Combined | \$1,674.84 |
| % change from 2012 | 4.2% |

| Annual Cost Actual Community Usage (50.5 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$269.67 |
| Sewer | \$435.16 |
| Combined | \$704.83 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: 25% on water/sewer bill if income and age-based qualifications are met.

Randolph (S)

Residential Water Rates:

Last adjusted: August 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge: \$35.00/bill
 0 – 50 CF \$ 3.80/HCF
 >50 CF \$ 4.81/HCF

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: August 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge: \$25.00/bill
 0 – 50 CF \$ 5.70/HCF
 >50 CF \$ 9.65 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$546.20 |
| Sewer | \$845.60 |
| Combined | \$1,391.80 |
| % change from 2012 | 8.0% |

| Annual Cost Actual Community Usage (67.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$325.74 |
| Sewer | \$448.42 |
| Combined | \$774.16 |

Commercial Water Rates:

Same as residential

Senior Discount: \$25.00 water and \$20.00 sewer

Commercial Sewer Rates:

Same as residential

Reading (W/S)

Residential Water Rates:

Last adjusted: June 2013
 Next adjustment scheduled: September 2014
 Fund: Enterprise

Minimum bill: \$18.34
 All units \$ 9.17/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: June 2013
 Next adjustment scheduled: September 2014
 Fund: Enterprise

Minimum bill: \$20.76
 All units \$10.38/HCF

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$1,100.40 |
| Sewer | \$1,245.60 |
| Combined | \$2,346.00 |
| % change from 2012 | 4.2% |

| Annual Cost Actual Community Usage (60.6 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$555.70 |
| Sewer | \$629.03 |
| Combined | \$1,184.73 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

◆ Reading assesses a Storm Water fee of \$10.00/quarter.

Revere (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$3.68/HCF

Billing Frequency: Residential: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$11.59/HCF

Based on 100% of water usage.
 Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$441.60 |
| Sewer | \$1,390.80 |
| Combined | \$1,832.40 |
| % change from 2012 | 15.1% |

| Annual Cost Actual Community Usage (50.6 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$186.21 |
| Sewer | \$586.45 |
| Combined | \$772.66 |

Commercial Water Rates:

All units: \$5.52/HCF

Commercial Sewer Rates:

All units: \$17.01/HCF

Senior and/or Low Income Discounts:

- Senior discounts require 65+ years old and residence within the house
 - <70 kgal/year = 20% of previous year's water bill
 - >70 kgal/year – 10% of previous year's water bill
- Any 4+ family home = 5% discount
- Low income/handicap pay a \$250 flat rate if making under \$20,000/year for single applicants or \$40,000/year for joint applicants

Saugus (W)

Residential Water Rates:

Last adjusted: July 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum Charge (20 HCF) \$70.00
 >20 – 30 HCF \$ 3.72/HCF
 >30 – 60 HCF \$ 4.98 "
 >60 – 100 HCF \$ 6.23 "
 >100 – 200 HCF \$ 6.95 "
 >200 – 500 HCF \$ 7.79 "
 >500 – 1,000 HCF \$ 8.39 "
 >1,000 HCF \$ 8.63 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: November 2007
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum Charge (20 HCF) \$60.00
 >20 – 30 HCF \$ 2.20/HCF
 >30 – 60 HCF \$ 3.00 "
 >60 – 100 HCF \$ 4.20 "
 >100 – 200 HCF \$ 5.20 "
 >200 – 500 HCF \$ 6.20 "
 >500 – 1,000 HCF \$ 6.90 "
 >1,000 HCF \$ 7.20 "

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$513.20 |
| Sewer | \$344.00 |
| Combined | \$857.20 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (76.6 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$297.07 |
| Sewer | \$213.80 |
| Combined | \$510.87 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: Neither

Somerville (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

0 – 13 HCF \$3.73/HCF
 >13 – 67 HCF \$5.38 "
 >67 – 133 HCF \$5.64 "
 >133 HCF \$5.85 "

Billing Frequency: Residential: Tri-Annually

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

0 – 13 HCF \$6.25/HCF
 >13 – 67 HCF \$7.98 "
 >67 – 133 HCF \$8.37 "
 >133 HCF \$8.66 "

Based on 100% of water usage.
 Commercial: Bi-Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$581.25 |
| Sewer | \$890.13 |
| Combined | \$1,471.38 |
| % change from 2012 | 3.0% |

| Annual Cost Actual Community Usage (56.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$238.01 |
| Sewer | \$381.01 |
| Combined | \$619.01 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

South Hadley (partial W)

Residential Water Rates:

Last adjusted: June 2012
 Next adjustment scheduled: No response
 Fund: Enterprise

Base charge \$5.00/family unit
 All units \$3.39/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

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

Community not sewered.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|-------------|
| Water | \$426.80 |
| Sewer | Not Sewered |
| Combined | \$426.80 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (66.3 HCF = DEP Data Provided by Community) | |
|--|-------------|
| Water | \$244.76 |
| Sewer | Not Sewered |
| Combined | \$244.76 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Southborough (W)

Residential Water Rates:

Last adjusted: March 2009
 Next adjustment scheduled: No response
 Fund: Special Revenue

Minimum charge (5/8" meter) \$27.58
 includes first 10 HCF
 >10 – 20 HCF \$ 3.50/HCF
 >20 – 35 HCF \$ 4.00 "
 >35 – 80 HCF \$ 5.00 "
 >80 HCF \$ 6.00 "
 Billing Frequency: Quarterly

Residential Sewer Rates:

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

Community not sewered.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|-------------|
| Water | \$410.32 |
| Sewer | Not Sewered |
| Combined | \$410.32 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (107.2 HCF = DEP Data Provided by Community) | |
|---|-------------|
| Water | \$359.12 |
| Sewer | Not Sewered |
| Combined | \$359.12 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Not sewered

Senior and/or Low Income Discounts: 25% off minimum bill for senior citizens.

Stoneham (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$4.80/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

All units \$9.80/HCF
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$576.00 |
| Sewer | \$1,176.00 |
| Combined | \$1,752.00 |
| % change from 2012 | 7.4% |

| Annual Cost Actual Community Usage (72.8 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$349.44 |
| Sewer | \$713.44 |
| Combined | \$1,062.88 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: \$12.50 for water and \$37.50 for sewer

Stoughton (S/ partial W)

Residential Water Rates:

Last adjusted: June 2012
 Next adjustment scheduled: July 2013
 Fund: Enterprise

Service Charge (5/8" meter) \$11.20/bill
 0 – 26 HCF \$ 3.60/HCF
 >26 – 59 HCF \$ 5.31 "
 >59 HCF \$ 7.36 "

Residential Sewer Rates:

Last adjusted: June 2012
 Next adjustment scheduled: July 2013
 Fund: Enterprise

Minimum charge (7.8 HCF) \$74.07
 All units \$ 9.50/HFC
 Based on 100% of water usage.

Customers with private wells pay a flat charge per billing period of: \$189.93 per condominium, \$284.89 per private home.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$504.16 |
| Sewer | \$1,140.00 |
| Combined | \$1,644.16 |
| % change from 2012 | 2.2% |

| Annual Cost Actual Community Usage (71.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$301.48 |
| Sewer | \$677.35 |
| Combined | \$978.83 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: 15% discount on water only for residents 70 and above.

Swampscott (W)

Residential Water Rates:

Last adjusted: August 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base Charge \$11.00/bill
 All units \$ 6.20/HFC

Residential Sewer Rates:

Last adjusted: August 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base Charge \$8.75/bill
 All units \$5.45/HFC
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$788.00 |
| Sewer | \$689.00 |
| Combined | \$1,477.00 |
| % change from 2012 | -2.8% |

| Annual Cost Actual Community Usage (102.6 HCF = DEP Data Provided by Community) | |
|---|------------|
| Water | \$680.12 |
| Sewer | \$594.17 |
| Combined | \$1,274.29 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Wakefield (S/ partial W)

Residential Water Rates:

Last adjusted: June 2013
 Next adjustment scheduled: June 2014
 Fund: Enterprise
 All units \$5.45/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: June 2013
 Next adjustment scheduled: June 2014
 Fund: Enterprise
 All units \$10.20/HCF
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$588.60 |
| Sewer | \$1,101.60 |
| Combined | \$1,690.20 |
| % change from 2012 | 2.0% |

| Annual Cost Actual Community Usage (71.6 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$351.20 |
| Sewer | \$657.29 |
| Combined | \$1,008.49 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None. Please refer to the note below for general discount information.

♦ 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 \$654.00 for water and \$1,224.00 for sewer.

Walpole (S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 All units \$4.853/HCF

Billing Frequency: Residential: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 All units \$7.897/HCF

Based on 80% of water usage.
 Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$582.36 |
| Sewer | \$758.11 |
| Combined | \$1,340.47 |
| % change from 2012 | 1.1% |

| Annual Cost Actual Community Usage (91.9 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$445.99 |
| Sewer | \$580.59 |
| Combined | \$1,026.58 |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Waltham (W/S)

Residential Water Rates:

Last adjusted: January 2012
 Next adjustment scheduled: January 2014
 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 2014
 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 2012 | 0.0% |

| Annual Cost Actual Community Usage (64.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$208.98 |
| Sewer | \$372.03 |
| Combined | \$581.01 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Watertown (W/S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

Base charge (5/8") \$6.14/bill
 0 – 30 HCF \$4.00/HCF
 >30 – 300 HCF \$6.22 "
 >300 HCF \$9.82 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

0 – 30 HCF \$ 7.73/HCF
 >30 – 300 HCF \$ 9.98 "
 >300 HCF \$13.38 "

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$504.56 |
| Sewer | \$927.60 |
| Combined | \$1,432.16 |
| % change from 2012 | 2.8% |

| Annual Cost Actual Community Usage (63.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$279.36 |
| Sewer | \$492.40 |
| Combined | \$771.76 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: 20% for both water and sewer

Commercial Sewer Rates:

Same as residential

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 2012 | 5.1% |

| Annual Cost Actual Community Usage (86.7 HCF = DEP Data Provided by Community) | |
|--|------------|
| Water | \$328.80 |
| Sewer | \$735.88 |
| Combined | \$1,064.67 |

Commercial Water Rates:

1 – 5 HCF \$2.99
 5 – 12 HCF \$3.51
 Peak Use Charges (May – October)
 > 12 HCF \$5.57
 Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Weston (W)

Residential Water Rates:

Last adjusted: February 2012
 Next adjustment scheduled: February 2014
 Fund: Enterprise

Base charge (5/8" meter) \$21.00/bill
 1 – 50 HCF \$ 1.35 "
 >50 HCF \$ 5.10 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

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

Community not sewered.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|-------------|
| Water | \$279.00 |
| Sewer | Not Sewered |
| Combined | \$279.00 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (153.3 HCF = DEP Data Provided by Community) | |
|---|-------------|
| Water | \$448.83 |
| Sewer | Not Sewered |
| Combined | \$448.83 |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: Both

Commercial Sewer Rates:

Not sewered

Westwood (S)

Residential Water Rates:

Last adjusted: January 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge (5/8" meter) includes first 3 HCF \$35.52/quarter
 >3 – 42 HCF \$ 4.17/HCF
 >43 – 75 HCF \$ 6.77 "
 >75 HCF \$ 8.77 "

Residential Sewer Rates:

Last adjusted: September 2013
 Next adjustment scheduled: September 2014
 Fund: Enterprise

Minimum charge (5/8" meter) 0 – 25 HCF \$ 15.00/quarter
 >25 – 70 HCF \$ 5.45/HCF
 >70 HCF \$ 8.15 "
 \$14.60 "

Billing Frequency: Quarterly

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$592.44 |
| Sewer | \$768.00 |
| Combined | \$1,360.44 |
| % change from 2012 | 1.5% |

| Annual Cost Actual Community Usage (69.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$431.06 |
| Sewer | \$437.69 |
| Combined | \$868.75 |

Commercial Water Rates:

Minimum charge (5/8" meter) includes first 9 HCF \$52.71
 All units in excess of allowance \$ 4.17/HCF

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: Neither

Weymouth (S)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge (5/8" meter) \$11.97/bill
 0 – 27 HCF \$ 4.23/HCF
 >27 HCF \$ 7.18 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge (5/8" meter) \$ 5.18/bill
 0 – 27 HCF \$ 7.15/HCF
 >27 HCF \$12.16 "

Billing Frequency: Residential: Quarterly Commercial: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$590.88 |
| Sewer | \$938.84 |
| Combined | \$1,529.72 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (57.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$292.37 |
| Sewer | \$433.99 |
| Combined | \$726.36 |

Commercial Water Rates:

Same as residential
 Senior and/or Low Income Discounts: \$20/year for water

Commercial Sewer Rates:

Same as residential

Wilbraham (W)

Residential Water Rates:

Last adjusted: March 2013
 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: September 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 | \$462.00 |
| Sewer | \$492.00 |
| Combined | \$954.00 |
| % change from 2012 | 5.3% |

| Annual Cost Actual Community Usage (77.2 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$297.22 |
| Sewer | \$316.52 |
| Combined | \$613.74 |

Commercial Water Rates:

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

Senior and/or Low Income Discounts: None

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.

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

All units \$4.99/HCF

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 2012 | 0.0% |

| Annual Cost Actual Community Usage (76.8 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$264.02 |
| Sewer | \$183.63 |
| Combined | \$447.65 |

Commercial Water Rates:

0 – 50 HCF \$3.57/HCF
 >50 – 200 HCF \$3.82 "
 >200 HCF \$4.18 "
 Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

All units \$5.97/HCF

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 2012 | 0.0% |

| Annual Cost Actual Community Usage (96.3 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$203.55 |
| Sewer | \$219.11 |
| Combined | \$422.66 |

Commercial Water Rates:

0 – 75 HCF \$4.92/HCF
 >75 HCF \$6.03 "
 Senior and/or Low Income Discounts: 20%

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)

Winthrop (W/S)

Residential Water Rates:

Last adjusted: July 2012
 Next adjustment scheduled: February 2013
 Fund: Enterprise

Minimum charge \$18.27/quarter
 All units \$ 4.99/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2012
 Next adjustment scheduled: February 2013
 Fund: Enterprise

Minimum charge \$31.73/quarter
 All units \$ 8.32/HCF

Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$598.80 |
| Sewer | \$998.40 |
| Combined | \$1,597.20 |
| % change from 2012 | 0.0% |

| Annual Cost Actual Community Usage (57.0 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$284.43 |
| Sewer | \$474.24 |
| Combined | \$758.67 |

Commercial Water Rates:

Same as residential
 Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

Same as residential

Woburn (S/ partial W)

Residential Water Rates:

Last adjusted: January 2010
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Flat rate of \$102.50 per bill

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: January 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 2012 | 0.0% |

| Annual Cost Actual Community Usage (103.9 HCF = DEP Data Provided by Community) | |
|---|----------|
| Water | \$205.00 |
| Sewer | \$328.00 |
| Combined | \$533.00 |

Commercial Water Rates:

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

Senior and/or Low Income Discounts: Water 20% discount, Sewer 66% discount

Commercial Sewer Rates:

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

Worcester (partial W)

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$4.50/quarter
 All units \$3.51/HCF

Billing Frequency: Mostly Quarterly, some Monthly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$10.00/quarter
 All units \$ 5.94/HCF

Based on 80% of water usage.
 (For meters 1" and larger, sewer usage is based upon 100% of water usage)

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$421.20 |
| Sewer | \$570.24 |
| Combined | \$991.44 |
| % change from 2012 | 6.9% |

| Annual Cost Actual Community Usage (64.7 HCF = DEP Data Provided by Community) | |
|--|----------|
| Water | \$227.10 |
| Sewer | \$307.45 |
| Combined | \$534.55 |

Commercial Water Rates:

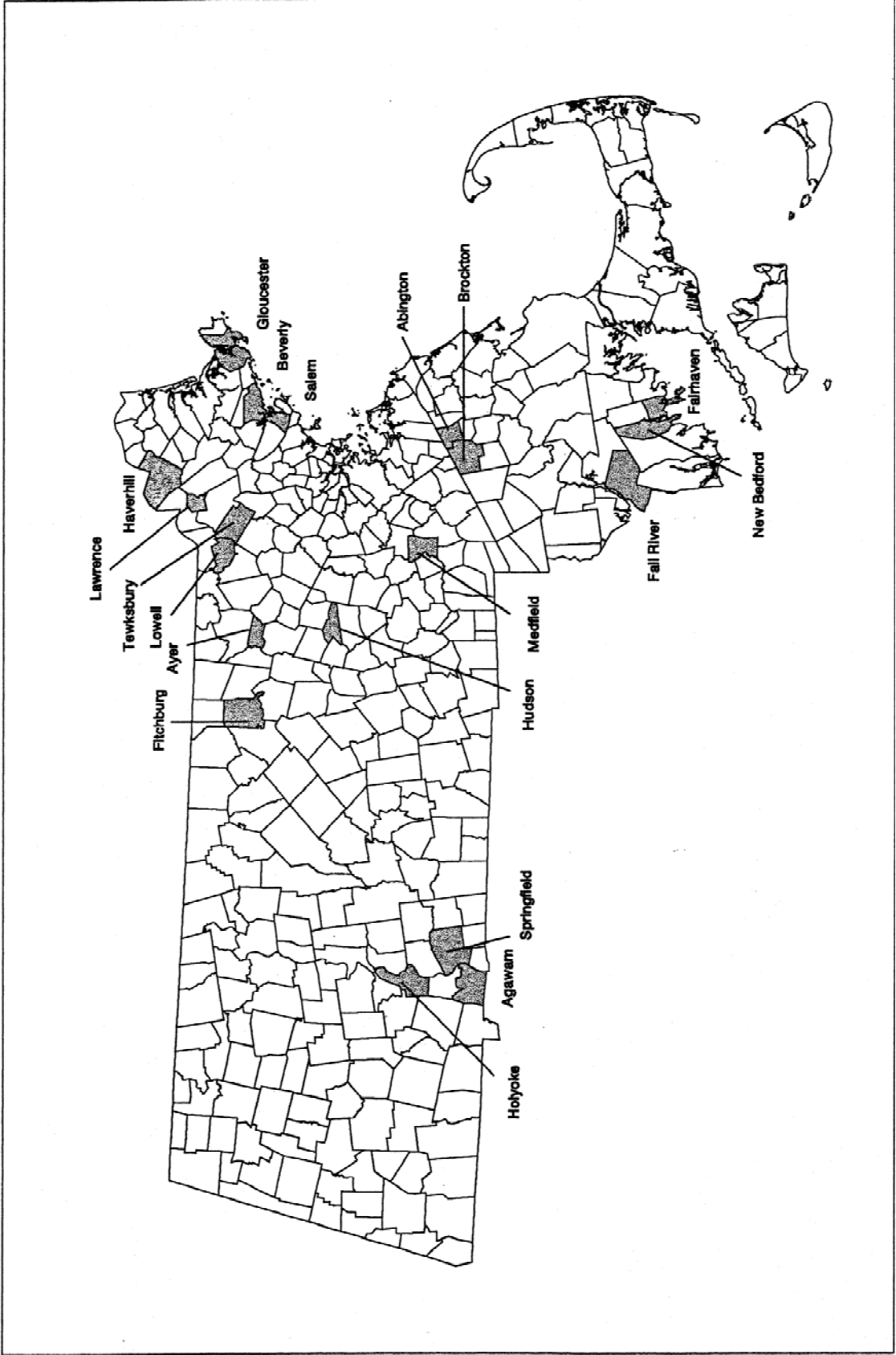
Same as residential

Senior and/or Low Income Discounts: \$37.50/quarter for eligible residents age 65 and over

Commercial Sewer Rates:

Same as residential (see note above)

**SELECT NON-MWRA MASSACHUSETTS COMMUNITIES 2013
WATER AND SEWER CHARGES**

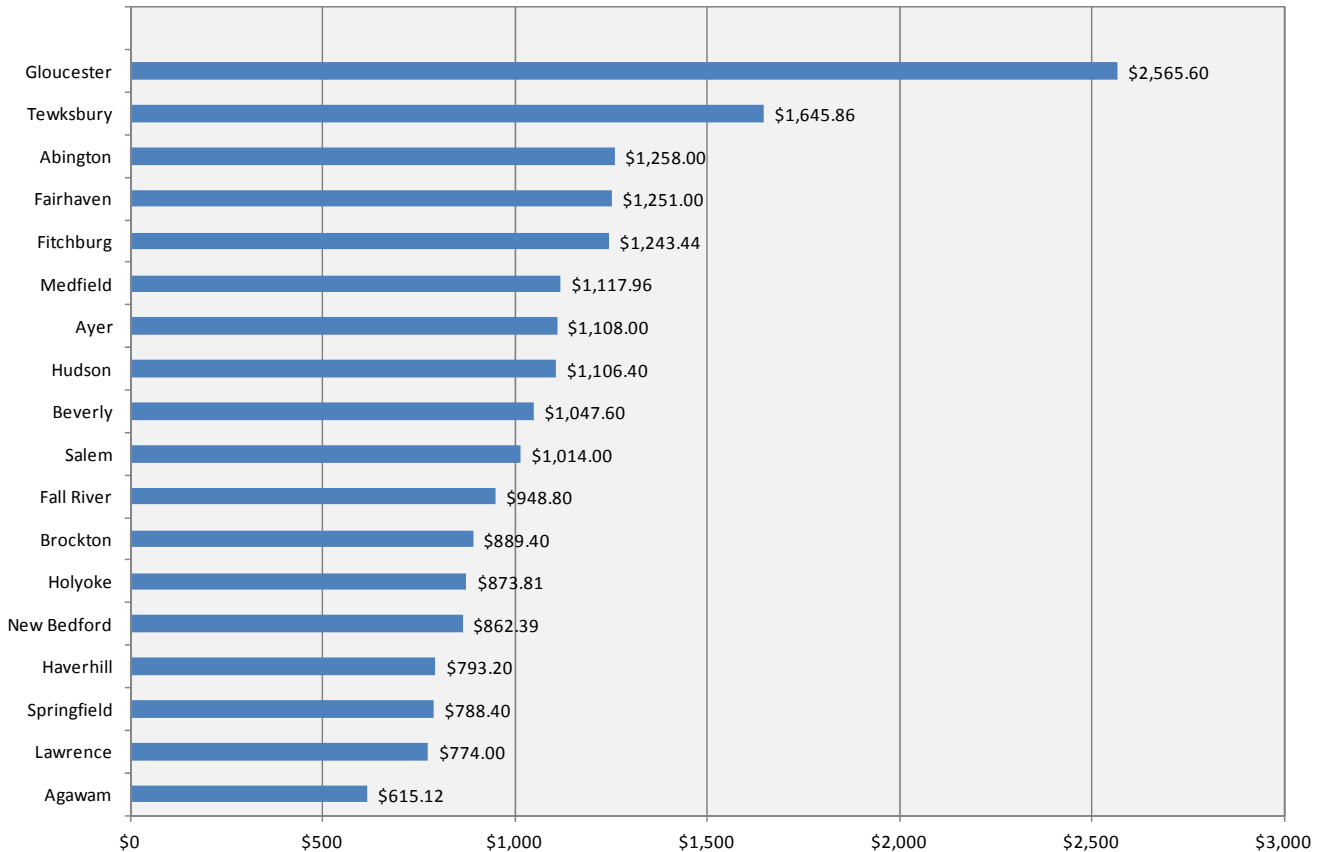


COMPARATIVE ANNUAL RESIDENTIAL WATER AND SEWER CHARGES FOR SELECTED NON-MWRA COMMUNITIES IN MASSACHUSETTS 2013

| | Water | Sewer | Combined | Change |
|-------------|------------|------------|------------|--------|
| Abington | \$618.00 | \$640.00 | \$1,258.00 | 0.0% |
| Agawam | \$238.80 | \$376.32 | \$615.12 | 0.0% |
| Ayer | \$309.20 | \$798.80 | \$1,108.00 | 3.1% |
| Beverly | \$308.40 | \$739.20 | \$1,047.60 | 4.1% |
| Brockton | \$443.40 | \$446.00 | \$889.40 | 0.0% |
| Fairhaven | \$477.00 | \$774.00 | \$1,251.00 | 11.8% |
| Fall River | \$318.00 | \$630.80 | \$948.80 | 3.0% |
| Fitchburg | \$367.44 | \$876.00 | \$1,243.44 | 3.0% |
| Gloucester | \$1,100.40 | \$1,465.20 | \$2,565.60 | 5.5% |
| Haverhill | \$325.20 | \$468.00 | \$793.20 | 2.5% |
| Holyoke | \$387.81 | \$486.00 | \$873.81 | 0.0% |
| Hudson | \$471.60 | \$634.80 | \$1,106.40 | 15.9% |
| Lawrence | \$372.00 | \$402.00 | \$774.00 | 0.0% |
| Lowell | \$249.12 | \$358.20 | \$607.32 | 6.0% |
| Medfield | \$358.12 | \$759.84 | \$1,117.96 | 6.9% |
| New Bedford | \$294.39 | \$568.00 | \$862.39 | 0.4% |
| Salem | \$333.60 | \$680.40 | \$1,014.00 | 5.0% |
| Springfield | \$330.00 | \$458.40 | \$788.40 | 4.5% |
| Tewksbury | \$828.88 | \$816.98 | \$1,645.86 | 4.9% |

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

COMPARATIVE CHART OF RESIDENTIAL COMBINED WATER AND SEWER CHARGES 2013



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 2012 | 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: July 2009
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Annual service charge \$54.00
 0 – 40 CF \$ 1.36/HCF
 >40 CF \$ 1.90 "

Billing Frequency: Semi-Annually

Residential Sewer Rates:

Last adjusted: January 2012
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Annual minimum charge \$96.00
 All units \$ 3.04/HCF
 Based on 90% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$238.80 |
| Sewer | \$376.32 |
| Combined | \$615.12 |
| % change from 2012 | 0.0% |

Commercial Water Rates:

Annual service charge \$54.00
 All units \$ 1.90/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 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$10.00
 0 – 60 HCF \$ 2.41/HCF
 >60 – 120 HCF \$ 3.00 "
 >120 HCF \$ 3.53 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$10.00
 0 – 60 HCF \$ 6.49/HCF
 >60 – 120 HCF \$ 7.43 "
 >120 HCF \$ 8.46 "
 Based on 100% of water usage.

Billing Frequency: Residential: Semi-Annually, Commercial: Quarterly

| Annual Cost | |
|--|------------|
| AWWA Standard for Historical Comparison | |
| <i>(120 HCF ≈ 90,000 gals.)</i> | |
| Water | \$309.20 |
| Sewer | \$798.80 |
| Combined | \$1,108.00 |
| % change from 2012 | 3.1% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: No response

Beverly

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

All units \$2.57/HCF

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

All units \$6.16/HCF
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost | |
|--|------------|
| AWWA Standard for Historical Comparison | |
| <i>(120 HCF ≈ 90,000 gals.)</i> | |
| Water | \$308.40 |
| Sewer | \$739.20 |
| Combined | \$1,047.60 |
| % change from 2012 | 4.1% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Brockton

Residential Water Rates:

Last adjusted: July 2008
 Next adjustment scheduled: Unknown
 Fund: Enterprise

| | |
|---------------------------|---------------|
| Minimum charge (¾" 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: Quarterly

| | |
|--|----------|
| Annual Cost | |
| AWWA Standard for Historical Comparison | |
| (120 HCF ≈ 90,000 gals.) | |
| Water | \$443.40 |
| Sewer | \$446.00 |
| Combined | \$889.40 |
| % change from 2012 | 0.0% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Fairhaven

Residential Water Rates:

Last adjusted: May 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

| | |
|-----------------------------|--------------|
| Minimum water bill | \$87.75 |
| Meter rental fee (¾" meter) | \$ 9.00/year |
| All units | \$ 3.90/HCF |

Residential Sewer Rates:

Last adjusted: May 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

All units \$6.45/HCF

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 | \$477.00 |
| Sewer | \$774.00 |
| Combined | \$1,251.00 |
| % change from 2012 | 11.8% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Fall River

Residential Water Rates:

Last adjusted: September 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Service connection fee (¾" meter) \$12.00/quarter
 All units \$ 2.25/HCF

Residential Sewer Rates:

Last adjusted: September 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Stormwater Fee: \$35.00/quarter
 All units \$ 4.09/HCF

Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$318.00 |
| Sewer | \$630.80 |
| Combined | \$920.80 |
| % change from 2012 | 3.0% |

Commercial Water Rates:

Same as residential

Senior and/or Low Income Discounts: None

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 \$5.34/bill
 >5 HCF \$ 3.16/HCF

Residential Sewer Rates:

Last adjusted: July 2011
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum includes 3 HCF \$18.85/bill
 >3HCF \$ 7.30/HCF
 Based on 100% of water usage.

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$367.44 |
| Sewer | \$876.00 |
| Combined | \$1,243.44 |
| % change from 2012 | 3.0% |

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.

Gloucester

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 All units \$9.17/kgal

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 All units \$12.21/kgal
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$1,100.40 |
| Sewer | \$1,465.20 |
| Combined | \$2,565.60 |
| % change from 2012 | 5.5% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Haverhill

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$2.71/HCF

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 All units \$3.90/HCF
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$325.20 |
| Sewer | \$468.00 |
| Combined | \$793.20 |
| % change from 2012 | 2.5% |

Commercial Water Rates:

Same as residential

Commercial Sewer 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

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

Billing Frequency: Quarterly

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.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$387.81 |
| Sewer | \$486.00 |
| Combined | \$873.81 |
| % change from 2012 | 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: July 2014
 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: July 2014
 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 2012 | 15.9% |

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

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.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$372.00 |
| Sewer | \$402.00 |
| Combined | \$774.00 |
| % change from 2012 | 0.0% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Lowell

Residential Water Rates:

Last adjusted: January 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 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 0 – 50 HCF \$2.985/HCF
 >50 – 100 HCF \$3.152 "
 >100 – 200 HCF \$3.201 "
 >200 – 500 HCF \$3.253 "
 >500 HCF \$3.302 "
 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 | \$358.20 |
| Combined | \$607.32 |
| % change from 2012 | 6.0% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: Yes for water

Medfield

Residential Water Rates:

Last adjusted: April 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum bill includes 10,000 gals. \$38.81/bill
 >10 – 35 kgal \$ 3.43/kgal
 >35 – 70 kgal \$ 5.45 "
 >70 kgal \$ 7.72 "

Residential Sewer Rates:

Last adjusted: October 2012
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum bill includes 10,000 gals. \$82.42/bill
 >10 kgal \$ 8.50/kgal

Based on 75% of water usage.

Billing Frequency: Semi-Annually

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$358.12 |
| Sewer | \$759.84 |
| Combined | \$1,117.96 |
| % change from 2012 | 6.9% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

New Bedford

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge \$26.17/year
 Meter rental fee (5/8" meter) \$11.42/year
 All units \$ 2.14/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 ≈ 90,000 gals.) | |
|--|----------|
| Water | \$294.39 |
| Sewer | \$568.00 |
| Combined | \$862.39 |
| % change from 2012 | 0.4% |

Commercial Water Rates:

Same as residential

Commercial Sewer Rates:

Same as residential

Senior and/or Low Income Discounts: None

Salem

Residential Water Rates:

Last adjusted: August 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum bill (5/8" meter) \$27.80
 All units \$ 2.78/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: August 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

All units \$5.67/HCF
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$333.60 |
| Sewer | \$680.40 |
| Combined | \$1,014.00 |
| % change from 2012 | 5.0% |

Commercial Water Rates:

All units \$3.77/HCF

Senior and/or Low Income Discounts: None

Commercial Sewer Rates:

0 – 250 HCF/month \$ 8.60/HCF
 >250 HCF/month \$11.02/HCF

- The rates cited above exclude a 10% discount for all residential water (not sewer) bills paid within 15 days of the bill date.

Springfield

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Chapter 40N

Service charge (5/8") \$2.50/month
 All units \$2.50/HCF

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Chapter 40N

All units \$3.82/HCF
 Based on 100% of water usage.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$310.00 |
| Sewer | \$458.40 |
| Combined | \$768.40 |
| % change from 2012 | 4.6% |

Commercial Water Rates:

Commercial Water Rate \$2.50/HCF
 Industrial Water Rate \$1.86/ "

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

Commercial Sewer Rates:

Commercial Sewer Rate \$4.20/HCF
 Industrial Sewer Rate \$4.58/ "

Tewksbury

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------------|--------------|
| 1 – 34 kgal/year | \$ 6.80/kgal |
| >34 – 70 kgal/year | \$ 9.63 " |
| >70 – 140 kgal/year | \$12.55 " |
| >140 kgal/year | \$14.60 " |

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

| | |
|---------------------|--------------|
| 1 – 34 kgal/year | \$ 7.07/kgal |
| >34 – 70 kgal/year | \$ 9.10 " |
| >70 – 140 kgal/year | \$12.45 " |
| >140 kgal/year | \$14.57 " |

Based on 100% of water usage.

Billing Frequency: Triannually

| Annual Cost | |
|--|------------|
| AWWA Standard for Historical Comparison | |
| <i>(120 HCF ≈ 90,000 gals.)</i> | |
| Water | \$828.88 |
| Sewer | \$816.98 |
| Combined | \$1,645.86 |
| % change from 2012 | 4.9% |

Commercial Water Rates:

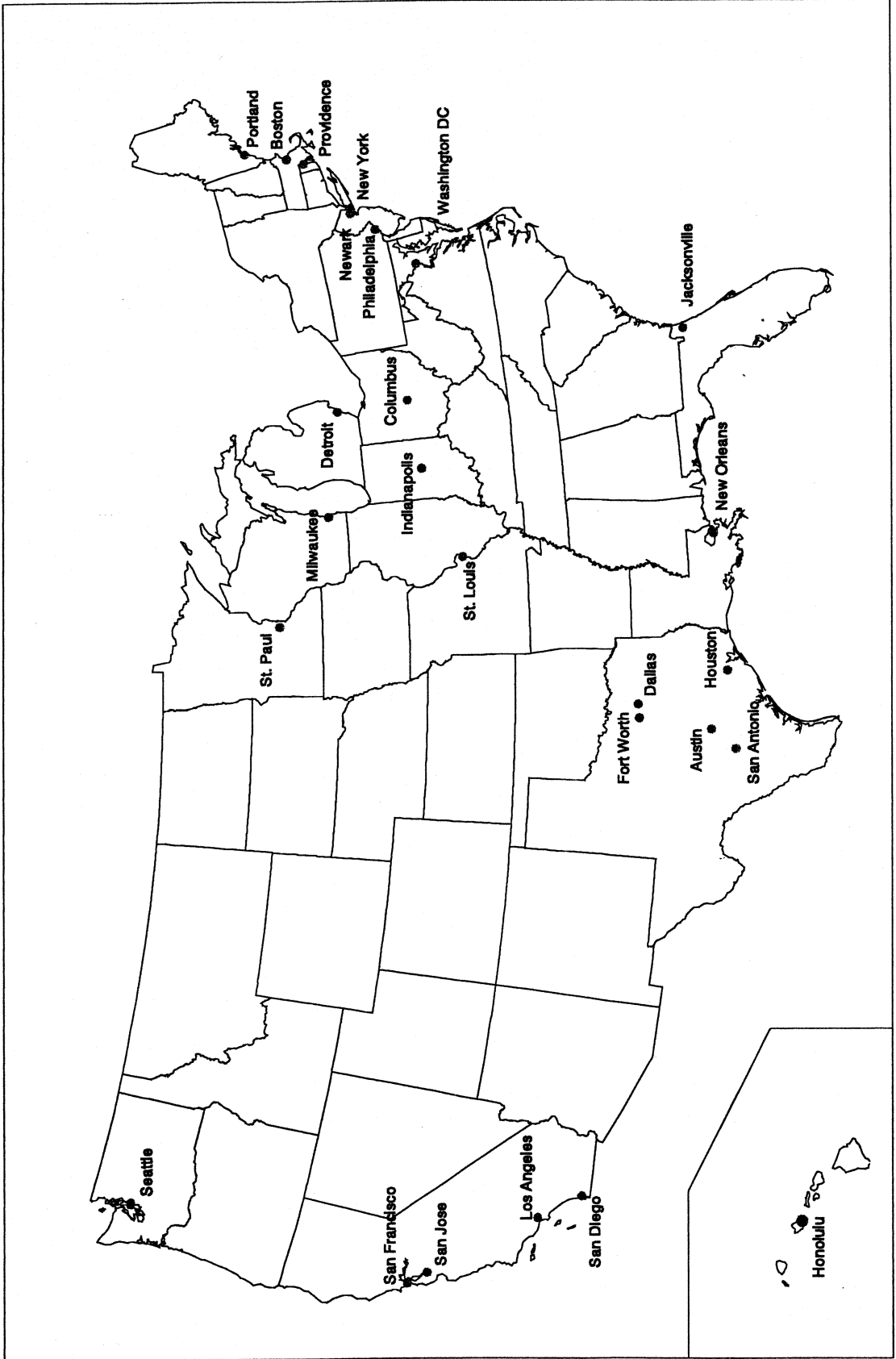
Same as residential

Commercial Sewer Rates:

Same as residential

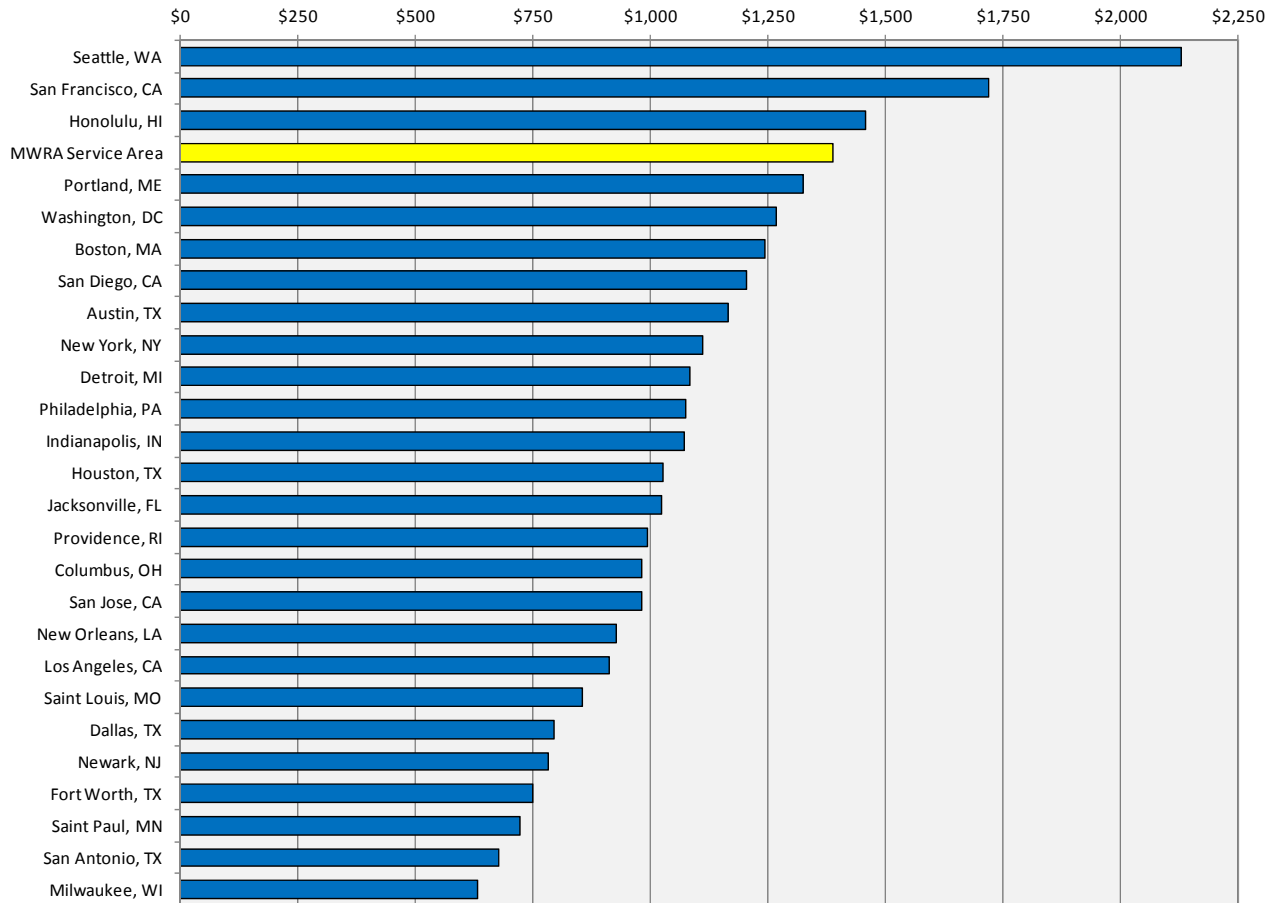
Senior and/or Low Income Discounts: None

**COMPARATIVE RESIDENTIAL 2013
WATER AND SEWER CHARGES FOR U.S. CITIES**



| COMPARATIVE ANNUAL RESIDENTIAL WATER & SEWER CHARGES FOR MAJOR UNITED STATES CITIES 2013 | | | | |
|--|-----------------|-----------------|-------------------|-------------|
| | Water | Sewer | Combined | Change |
| Austin, TX | \$353.10 | \$813.72 | \$1,166.82 | 3.8% |
| Boston, MA | 544.52 | 700.32 | 1,244.84 | 3.9% |
| Columbus, OH | 455.92 | 526.68 | 982.60 | 2.4% |
| Dallas, TX | 300.54 | 493.80 | 794.34 | 3.3% |
| Detroit, MI | 314.64 | 769.32 | 1,083.96 | 4.0% |
| Fort Worth, TX | 346.32 | 403.20 | 749.52 | 2.3% |
| Honolulu, HI | 386.40 | 1,072.08 | 1,458.48 | -1.2% |
| Houston, TX | 447.18 | 578.70 | 1,025.88 | 8.9% |
| Indianapolis, IN | 441.84 | 631.07 | 1,072.91 | 25.3% |
| Jacksonville, FL | 337.93 | 686.54 | 1,024.46 | 0.0% |
| Los Angeles, CA | 505.92 | 406.98 | 912.90 | 10.1% |
| Milwaukee, WI | 268.16 | 365.24 | 633.40 | -5.1% |
| MWRA Service Area | 541.87 | 847.16 | 1,389.03 | 3.1% |
| New Orleans, LA | 436.52 | 492.78 | 929.30 | 9.9% |
| New York, NY | 429.60 | 683.06 | 1,112.66 | 5.6% |
| Newark, NJ | 488.90 | 294.34 | 783.24 | 2.0% |
| Philadelphia, PA | 522.72 | 552.00 | 1,074.72 | 12.8% |
| Portland, ME | 322.56 | 1,002.00 | 1,324.56 | 2.5% |
| Providence, RI | 398.13 | 594.51 | 992.64 | 9.9% |
| Saint Louis, MO | 307.76 | 548.16 | 855.92 | 5.8% |
| Saint Paul, MN | 300.66 | 423.60 | 724.26 | 0.6% |
| San Antonio, TX | 318.42 | 357.96 | 676.38 | 7.8% |
| San Diego, CA | 590.24 | 614.76 | 1,205.00 | -6.7% |
| San Francisco, CA | 714.00 | 1,006.56 | 1,720.56 | 3.3% |
| San Jose, CA | 574.66 | 405.96 | 980.62 | 1.3% |
| Seattle, WA | 731.00 | 1,398.00 | 2,129.00 | 9.0% |
| Washington, DC | 491.84 | 775.12 | 1,266.96 | -1.6% |
| AVERAGE | \$439.68 | \$646.06 | \$1,085.74 | 4.3% |

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 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge (5/8" meter) \$ 7.10/month
 0 – 2 kgal \$ 1.84/kgal
 >2 – 6 kgal \$ 3.39 "
 >9 – 15 kgal \$ 6.20 "
 >15 – 25 kgal \$ 9.95 "
 >25 kgal \$12.84 "

Residential Sewer Rates:

Last adjusted: November 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge \$10.00/month
 0 – 2 kgal \$ 4.32/kgal
 >2 kgal \$ 8.94 "
 Based on winter average

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$353.10 |
| Sewer | \$813.72 |
| Combined | \$1,166.82 |
| % change from 2012 | 3.8% |

Columbus, Ohio

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge (5/8" meter) \$31.75/quarter
 0 – 5 HCF/month \$ 2.596/HCF
 >5 HCF/month \$ 2.886 "

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge (5/8" meter) \$10.86/quarter
 All units \$ 3.72/HCF
 Clean Rivers Surcharge \$ 9.21/quarter
 Based on 100% of water usage.

Billing Frequency: Quarterly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$455.92 |
| Sewer | \$526.68 |
| Combined | \$982.60 |
| % change from 2012 | 2.4% |

Dallas, Texas

Residential Water Rates:

Last adjusted: October 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge (5/8" meter) \$4.40/bill
 0 – 4 kgal \$1.80/kgal
 >4 – 10 kgal \$3.77 "
 >10 – 15 kgal \$5.20 "
 >15 kgal \$7.09 "

Residential Sewer Rates:

Last adjusted: October 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge (5/8" meter) \$4.40/bill
 All units \$4.90/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.

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$300.54 |
| Sewer | \$493.80 |
| Combined | \$794.34 |
| % change from 2012 | 3.3% |

Detroit, Michigan

Residential Water Rates:

Last adjusted: August 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Meter charge (5/8" meter) \$5.51/bill
 0 – 30 HCF \$2.071/HCF
 >30 – 330 HCF \$1.890 "
 >330 HCF \$1.701 "

Residential Sewer Rates:

Last adjusted: August 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge \$ 5.01/bill
 Drainage charge (5/8" meter) \$16.60/bill
 All units \$ 4.250/HCF
 Based on 100% of water usage

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$314.64 |
| Sewer | \$769.32 |
| Combined | \$1,083.96 |
| % change from 2012 | 4.0% |

Fort Worth, Texas

Residential Water Rates:

Last adjusted: January 2012
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Service charge (5/8" meter) \$7.50/bill
 0 – 8 HCF \$1.97/HCF
 >8 – 20 HCF \$2.80 "
 >20 – 30 HCF \$3.48 "
 >30 HCF \$4.20 "

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge \$5.10/bill
 All units \$2.85/HCF

Based on an individual customer’s average monthly usage during the preceding months of December, January, and February. In no event, shall the volume used to compute the monthly charge exceed 15 HCF.

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$346.32 |
| Sewer | \$403.20 |
| Combined | \$749.52 |
| % change from 2012 | 2.3% |

Honolulu, Hawaii

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge \$7.70/bill
 0 – 13 kgal \$3.68/kgal
 >13 – 30 kgal \$4.43 "
 >30 kgal \$6.61 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge \$65.76/month
 All units \$ 3.93/kgal

Based on 80% of water usage

Billing Frequency: Bi-monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$386.40 |
| Sewer | \$1,072.08 |
| Combined | \$1,458.48 |
| % change from 2012 | -1.2% |

Houston, Texas

Residential Water Rates:

Last adjusted: April 2013
 Next adjustment scheduled: April 2014
 Fund: Enterprise

Base charge (5/8" meter) \$ 4.73/bill
 0 – 1 kgal \$ 4.86 "
 >1 – 2 kgal \$11.08 "
 >2 – 3 kgal \$11.45 "
 >3 – 4 kgal \$21.66 "
 >4 – 5 kgal \$25.96 "
 >5 – 6 kgal \$30.26 "
 >6 – 12 kgal \$30.26 + \$4.67
 per add'l kgal
 >12 kgal \$58.28 + \$7.69
 per add'l kgal

Residential Sewer Rates:

Last adjusted: April 2013
 Next adjustment scheduled: April 2014
 Fund: Enterprise

Base charge \$10.05/bill
 0 – 1 kgal \$10.21 "
 >1 – 2 kgal \$10.54 "
 >2 – 3 kgal \$10.81 "
 >3 – 4 kgal \$24.80 "
 >4 – 5 kgal \$29.85 "
 >5 – 6 kgal \$37.20 "
 >6 kgal \$37.20 + \$7.35
 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 | \$447.18 |
| Sewer | \$578.70 |
| Combined | \$1025.88 |
| % change from 2012 | 8.9% |

Indianapolis, Indiana

Residential Water Rates:

Last adjusted: June 2011
 Next adjustment scheduled: 2014
 Fund: Enterprise

Base charge (5/8" meter) \$9.63/bill
 0 – 15 HCF \$2.719/kgal
 >15 – 200 HCF \$2.626 "
 >200 – 1,000 HCF \$2.391 "
 >1,000 – 5,000 HCF \$1.618 "
 >5,000 HCF \$1.233 "

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: 2014
 Fund: General

Base charge \$ 7.72/bill
 0 – 7,500 gallons \$ 3.9585/kgal
 >7,500 gallons \$ 4.1614 "
 Minimum bill \$22.90

Based on 100% of water usage

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$441.84 |
| Sewer | \$631.07 |
| Combined | \$1,072.91 |
| % change from 2012 | 25.3% |

Jacksonville, Florida

Residential Water Rates:

Last adjusted: October 2012
 Next adjustment scheduled: No response
 Fund: Enterprise

Base charge (5/8" meter) \$12.60/bill
 0 – 6 kgal \$ 0.93/kgal
 >6 – 20 kgal \$ 2.60 "
 >20 kgal \$ 5.60 "
 Environmental (all kgal) \$ 0.37 "

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

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$337.93 |
| Sewer | \$686.54 |
| Combined | \$1,024.47 |
| % change from 2012 | 0.0% |

A 10% Public Service Tax, 3% Franchise Fee (water and sewer), and Environmental Charges (water and sewer) are included.

Los Angeles, California

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

November 1 to May 31
 0 – 28 HCF (average rate) \$4.18/HCF
 >28 HCF (average rate) \$5.80 "
 June 1 to October 31
 0 – 44 HCF (average rate) \$3.63/HCF
 >44 HCF (average rate) \$5.79 "
 Billing Frequency: Bi-monthly

Residential Sewer Rates:

Last adjusted: July 2008
 Next adjustment scheduled: Unknown
 Fund: Enterprise

All units \$3.57/HCF
 Dry Winter Compensation factor is 95%.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$505.92 |
| Sewer | \$406.98 |
| Combined | \$912.90 |
| % change from 2012 | 10.1% |

- 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 95%. Periods after July of each year have the calculated daily volume multiplied by the days in the period times \$3.57/HCF.

Milwaukee, Wisconsin

Residential Water Rates:

Last adjusted: June 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

Base charge (¾" meter) \$20.89/bill
 0 – 100 HCF \$ 1.73/HCF
 >100 – 5,000 HCF \$ 1.63 "
 >5,000 – 20,000 HCF \$ 1.08 "
 >20,000 HCF \$ 0.97 "

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: February 2012
 Next adjustment scheduled: No response
 Fund: Enterprise

Service charge \$14.81/bill
 All units (volume charge) \$ 1.26/HCF
 Local Sewerage Charge \$ 1.29 "
 (formerly the Sewer Maintenance Fee)
 Based on winter water usage

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$268.16 |
| Sewer | \$365.24 |
| Combined | \$633.40 |
| % change from 2012 | -5.1% |

New Orleans, Louisiana

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise

Service charge (⅝" meter) \$4.46/bill
 0 – 3 kgal \$2.96/kgal
 >3 – 20 kgal \$5.06 "
 >20 – 1,000 kgal \$3.98 "
 >1,000 kgal \$3.34 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise

Service charge (⅝" meter) \$12.76/bill
 All units \$ 4.44/kgal
 Based on 85% of water usage

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$436.52 |
| Sewer | \$492.78 |
| Combined | \$929.30 |
| % change from 2012 | 9.9% |

New York, New York

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$44.10
 All units \$ 3.58/HCF

Billing Frequency: Quarterly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Minimum charge \$70.12
 All units \$ 5.69/HCF
 Based on 159% of water rate.

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$429.60 |
| Sewer | \$683.06 |
| Combined | \$1,112.66 |
| % change from 2012 | 5.6% |

Newark, New Jersey

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: No response
 Fund: General

Base charge includes 3 HCF \$7.99/bill
 >3 – 333 HCF \$2.396/HCF
 >333 – 1,666 HCF \$2.139 "
 >1,666 HCF \$1.919 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: No response
 Fund: Enterprise

Base charge 0 – 6 HCF \$2.044/HCF
 >6 HCF \$3.066/HCF
 Based on 100% of water usage

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|----------|
| Water | \$488.90 |
| Sewer | \$294.34 |
| Combined | \$783.24 |
| % change from 2012 | 2.0% |

Philadelphia, Pennsylvania

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge (5/8" meter) \$6.44/bill
 0 – 20 HCF \$3.712/HCF
 >20 – 100 HCF \$3.020 "
 >100 – 200 HCF \$2.756 "
 >200 HCF \$2.093 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge (5/8" meter) \$ 6.36/bill
 All units \$ 2.619/HCF
 Based on 100% of water usage
 Stormwater charge: \$13.45/month

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|-----------|
| Water | \$522.72 |
| Sewer | \$552.00 |
| Combined | \$1074.72 |
| % change from 2012 | 12.8% |

Portland, Maine

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge (5/8" meter) includes 1 HCF \$8.25/bill
 >1 – 30 HCF \$2.07/HCF
 >30 – 100 HCF \$1.66 "
 >100 – 500 HCF \$1.46 "
 >500 HCF \$0.83 "
 Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Minimum charge (5/8" meter) includes 1 HCF \$8.35/bill
 >1 \$8.35/HCF
 Based on 100% of water usage

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$322.56 |
| Sewer | \$1,002.00 |
| Combined | \$1,324.56 |
| % change from 2012 | 2.5% |

Providence, Rhode Island

Residential Water Rates:

Last adjusted: April 2010
 Next adjustment scheduled: January 2014
 Fund: Enterprise
 Minimum charge (5/8" meter) \$18.34/bill
 All units \$ 2.488/HCF
 Combined State Surcharge \$ 0.21842 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise
 Annual Fixed Fee (any size meter up to 6 dwelling units) \$202.47/dwelling
 All units \$ 3.267/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 | \$398.13 |
| Sewer | \$594.51 |
| Combined | \$992.64 |
| % change from 2012 | 9.9% |

- 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: Unknown
 Next adjustment scheduled: Unknown
 Fund: Special Revenue
 Base charge \$14.85/bill
 Stormwater charge per bill \$ 5.83/mo avg.
 All units \$ 2.50/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 | \$548.16 |
| Combined | \$855.92 |
| % change from 2012 | 5.8% |

- 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 rate is \$0.24 per 100 ft² of impervious surface. The current year's average is \$5.83 based on last year's information.

Saint Paul, Minnesota

Residential Water Rates:

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

Service Base Fee (<1") \$9.00/quarter
 Right of Way Recovery Fee \$4.50/"
 Winter – December to May:
 All units \$2.29/HCF

Summer – June to November:
 All units \$2.39/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 \$3.53/HCF
 >1,000 – 5,000 HCF \$3.47 "
 >5,000 HCF \$3.40 "
 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 | \$300.66 |
| Sewer | \$423.60 |
| Combined | \$724.26 |
| % change from 2012 | 0.6% |

San Antonio, Texas

Residential Water Rates:

Last adjusted: March 2013
 Next adjustment scheduled: January 2014
 Fund: General

Base charge (5/8" meter) \$7.14/bill
 Water Supply Fee
 0 – 5.985 kgal \$1.080/kgal
 >5.985 – 12.717 kgal \$1.562 "
 >12.717 – 17.205 kgal \$2.204 "
 >17.205 kgal \$3.857 "

Winter – October to April:
 0 – 5.985 kgal \$0.948/kgal
 >5.985 – 12.717 kgal \$1.372 "
 >12.717 – 17.205 kgal \$1.935 "
 >17.205 kgal \$3.388 "

Summer – May to September
 0 – 5.985 kgal \$0.948/kgal
 >5.985 – 12.717 kgal \$1.492 "
 >12.717 – 17.205 kgal \$2.219 "
 >17.205 kgal \$4.597 "

EAA Fee \$0.3425/kgal
 Texas Commission on Environmental Quality Fee: \$0.17/month
 Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: March 2013
 Next adjustment scheduled: January 2014
 Fund: General

Min. charge includes 1.496 kgal \$11.49
 >1.496 kgal \$ 3.047/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: \$0.05/month

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

| | |
|--------------------|----------|
| Water | \$318.42 |
| Sewer | \$357.96 |
| Combined | \$676.38 |
| % change from 2012 | 7.8% |

- 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. Residential Tier 1 Rates = \$3.22/mo.

San Diego, California

Residential Water Rates:

Last adjusted: March 2011
 Next adjustment scheduled: January 2014
 Fund: Enterprise

Base charge (5/8" meter) \$19.33/bill
 0 – 7 HCF/month \$ 3.612/HCF
 >8 – 14 HCF/month \$ 3.917 "
 >14 HCF/month \$ 4.390 "

Residential Sewer Rates:

Last adjusted: March 2012
 Next adjustment scheduled: Unknown
 Fund: Enterprise

Base charge \$ 30.66/bill
 All units \$ 3.59/HCF

Sewer cap charge per bill (includes base fee) \$174.59
 Based on a cap of 20 HCF

Billing Frequency: Bi-monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$590.24 |
| Sewer | \$614.76 |
| Combined | \$1,205.00 |
| % change from 2012 | -6.7% |

Customer bills include water and sewer charges as well as a \$0.95/month storm drain fee.

San Francisco, California

Residential Water Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

Base charge (5/8" meter) \$8.40
 0 – 3 HCF/month \$4.20/HCF
 >3 HCF/month \$5.50 "

Residential Sewer Rates:

Last adjusted: July 2013
 Next adjustment scheduled: July 2014
 Fund: Enterprise

0 – 3 HCF/dwelling unit/mo \$ 7.90/HCF
 >3 HCF \$10.53 "
 Based on 90% of water usage

Billing Frequency: Monthly

| Annual Cost AWWA Standard for Historical Comparison (120 HCF ≈ 90,000 gals.) | |
|--|------------|
| Water | \$714.00 |
| Sewer | \$1,006.56 |
| Combined | \$1,720.56 |
| % change from 2012 | 3.3% |

- San Francisco calculates its 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 \$450.00 (water) and \$587.66 (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 \$333.60 and an annual sewer bill of \$402.72.

San Jose, California

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Base charge (5/8" meter) \$17.70/bill
 0 – 13 HCF \$ 2.6141/HCF
 >13 HCF \$ 2.8745 "
 Billing Frequency: Water: Bi-monthly

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: Unknown
 Fund: Enterprise
 Flat rate \$405.96/year
 Sewer: Annually

| Annual Cost | |
|--|----------|
| AWWA Standard for Historical Comparison | |
| <i>(120 HCF ≈ 90,000 gals.)</i> | |
| Water | \$574.66 |
| Sewer | \$405.96 |
| Combined | \$980.62 |
| % change from 2012 | 1.3% |

- 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.

Seattle, Washington

Residential Water Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise
 Base charge (3/4" meter) \$13.50/month
 Winter – September 16 to May 15:
 All units \$ 4.50 /HCF
 Summer – May 16 To September 15:
 0 – 5 HCF \$ 4.73/HCF
 5 – 18 HCF \$ 5.72 "
 >18 HCF \$11.80 "
 Billing Frequency: Bi-monthly

Residential Sewer Rates:

Last adjusted: January 2013
 Next adjustment scheduled: January 2014
 Fund: Enterprise
 All units \$11.65/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 | |
| <i>(120 HCF ≈ 90,000 gals.)</i> | |
| Water | \$731.00 |
| Sewer | \$1,398.00 |
| Combined | \$2,129.00 |
| % change from 2012 | 9.0% |

- 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 \$436.60 (water) and \$300.57 (sewer).

Washington, District of Columbia

Residential Water Rates:

Last adjusted: October 2013
 Next adjustment scheduled: October 2014
 Fund: Enterprise

Meter fee (5/8" meter) \$1.737/month
 All units \$3.610/HCF
 Right-of-Way Fee \$0.0765 "
 PILOT Fee \$0.2385 "

Billing Frequency: Monthly

Residential Sewer Rates:

Last adjusted: October 2013
 Next adjustment scheduled: October 2014
 Fund: Enterprise

Meter fee (5/8" meter) \$2.123/month
 All units \$4.41/HCF
 Right of Way Fee \$0.0935 "
 PILOT Fee \$0.2915 "
 Impervious Area Charge \$11.85/ERU/month
 DC Govt. Stormwater Fee \$ 2.67/ERU/month

| Annual Cost | |
|--|------------|
| AWWA Standard for Historical Comparison | |
| (120 HCF ≈ 90,000 gals.) | |
| Water | \$491.84 |
| Sewer | \$775.12 |
| Combined | \$1,266.96 |
| % change from 2012 | 7.0% |

- Right-of-Way, PILOT, and Metering fee have been prorated based on 45% water and 55% sewer.
- ERU = "Equivalent Residential Unit"

APPENDIX A

2012 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 2012 rates and calculations may differ from the information published in the 2012 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 2012

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)* | \$593.82 | \$583.20 | \$1,177.02 | 7.3% |
| Ashland (S) | \$484.00 | \$1,912.00 | \$2,396.00 | 35.3% |
| Bedford (S/partial W) | \$459.00 | \$953.00 | \$1,412.00 | 0.0% |
| Belmont (W/S) | \$724.28 | \$1,347.04 | \$2,071.32 | 4.6% |
| Boston (W/S) | \$524.08 | \$674.05 | \$1,198.12 | 6.2% |
| Braintree (S) | \$428.00 | \$642.80 | \$1,070.80 | 7.8% |
| Brookline (W/S) | \$600.20 | \$895.40 | \$1,495.60 | 5.2% |
| Burlington (S) | \$181.50 | \$371.50 | \$553.00 | 0.0% |
| Cambridge (S/partial W) | \$380.00 | \$980.00 | \$1,360.00 | 0.0% |
| Canton (S/partial W) | \$647.20 | \$832.40 | \$1,479.60 | 2.3% |
| Chelsea (W/S) | \$492.00 | \$963.60 | \$1,455.60 | 0.0% |
| Chicopee (W) | \$348.00 | \$650.75 | \$998.75 | 2.5% |
| Clinton (W/S) | \$343.60 | \$257.70 | \$601.30 | 0.0% |
| Dedham (S/partial W) | \$592.44 | \$937.28 | \$1,529.72 | 0.0% |
| Everett (W/S) | \$229.20 | \$625.20 | \$854.40 | 26.7% |
| Framingham (W/S) | \$568.80 | \$678.36 | \$1,247.16 | 2.8% |
| Hingham (S) | \$939.68 | \$1,128.00 | \$2,067.68 | 3.8% |
| Holbrook (S) | \$620.40 | \$726.00 | \$1,346.40 | 0.0% |
| Leominster (partial W) | \$455.84 | \$485.00 | \$940.84 | 23.1% |
| Lexington (W/S) | \$448.00 | \$1,008.80 | \$1,456.80 | 3.5% |
| Lynn (partial W) | \$400.80 | \$736.92 | \$1,137.72 | 0.0% |
| Malden (W/S) | \$588.00 | \$635.52 | \$1,223.52 | 9.8% |
| Marblehead (W) | \$549.00 | \$774.00 | \$1,323.00 | 3.9% |
| Marlborough (partial W) | \$609.60 | \$628.80 | \$1,238.40 | 0.0% |
| Medford (W/S) | \$637.20 | \$912.00 | \$1,549.20 | 0.0% |
| Melrose (W/S) | \$690.00 | \$1,069.20 | \$1,759.20 | 7.3% |
| Milton (W/S) | \$655.68 | \$1,231.68 | \$1,887.36 | 6.2% |
| Nahant (W)* | \$688.80 | \$1,071.60 | \$1,760.40 | 0.0% |
| Natick (S) | \$316.00 | \$951.20 | \$1,267.20 | 0.0% |
| Needham (S/partial W) | \$483.00 | \$997.80 | \$1,480.80 | 0.0% |
| Newton (W/S) | \$719.20 | \$1,060.00 | \$1,779.20 | 3.9% |
| Northborough (partial W) | \$547.08 | \$632.60 | \$1,179.68 | 0.0% |
| Norwood (W/S) | \$523.92 | \$690.48 | \$1,214.40 | 4.5% |
| Peabody (partial W) | \$306.00 | \$409.80 | \$715.80 | 0.0% |
| Quincy (W/S) | \$608.40 | \$999.60 | \$1,608.00 | 7.7% |
| Randolph (S) | \$475.60 | \$813.00 | \$1,288.60 | 4.1% |
| Reading (W/S) | \$1,075.20 | \$1,176.00 | \$2,251.20 | 11.4% |
| Revere (W/S) | \$386.40 | \$1,206.00 | \$1,592.40 | 0.0% |
| Saugus (W) | \$513.20 | \$344.00 | \$857.20 | 0.0% |
| Somerville (W/S) | \$564.00 | \$864.48 | \$1,428.48 | 0.0% |
| Stoneham (W/S) | \$552.00 | \$1,080.00 | \$1,632.00 | 1.5% |
| Stoughton (S/partial W) | \$491.64 | \$1,117.20 | \$1,608.84 | 0.0% |
| Swampscott (W) | \$812.00 | \$707.00 | \$1,519.00 | 5.1% |
| Wakefield (S/partial W) | \$577.80 | \$1,080.00 | \$1,657.80 | 3.2% |
| Walpole (S) | \$567.84 | \$757.63 | \$1,325.47 | 3.9% |
| Waltham (W/S) | \$428.64 | \$753.00 | \$1,181.64 | 1.4% |
| Watertown (W/S) | \$479.32 | \$913.20 | \$1,392.52 | 5.0% |
| Wellesley (S/partial W) | \$445.68 | \$940.80 | \$1,386.48 | 0.0% |
| Westwood (S/partial W) | \$592.44 | \$748.00 | \$1,340.44 | 0.0% |
| Weymouth (S) | \$608.88 | \$920.84 | \$1,529.72 | 0.0% |
| Wilbraham (W) | \$414.00 | \$492.00 | \$906.00 | 1.3% |
| 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) | \$598.80 | \$998.40 | \$1,597.20 | 0.0% |
| Woburn (S/partial W) | \$205.00 | \$328.00 | \$533.00 | 0.0% |
| Worcester (partial W) | \$397.20 | \$529.92 | \$927.12 | 2.1% |
| AVERAGE | \$523.10 | \$823.83 | \$1,346.93 | 3.9% |

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
2012**

| | Water | Sewer |
|---------------------------|----------|----------|
| Arlington (W/S)* | \$593.82 | \$583.20 |
| Ashland (S) | - | 192.00 |
| Bedford (S/partial W) | 459.00 | 953.00 |
| Belmont (W/S) | 724.28 | 1,347.04 |
| Boston (W/S) | 524.08 | 674.05 |
| Braintree (S) | - | 642.80 |
| Brookline (W/S) | 600.20 | 895.40 |
| Burlington (S) | - | 371.50 |
| Cambridge (S/partial W) | 380.00 | 980.00 |
| Canton (S/partial W) | 647.20 | 832.40 |
| Chelsea (W/S) | 492.00 | 963.60 |
| Chicopee (W) | 348.00 | - |
| Clinton (W/S) | 343.60 | 257.70 |
| Dedham (S/partial W) | 592.44 | 937.28 |
| Everett (W/S) | 229.20 | 625.20 |
| Framingham (W/S) | 568.80 | 678.36 |
| Hingham (S) | - | 1,228.00 |
| Holbrook (S) | - | 726.00 |
| Leominster (partial W) | 455.84 | - |
| Lexington (W/S) | 448.00 | 1,008.80 |
| Lynn (partial W) | 400.80 | - |
| Lynnfield (W) | 337.60 | - |
| Malden (W/S) | 588.00 | 635.52 |
| Marblehead (W) | 549.00 | - |
| Marlborough (partial W) | 609.60 | - |
| Medford (W/S) | 637.20 | 912.00 |
| Melrose (W/S) | 690.00 | 1,069.20 |
| Milton (W/S) | 655.68 | 1,231.68 |
| Nahant (W)* | 688.80 | - |
| Natick (S) | - | 951.20 |
| Needham (S/partial W) | 483.00 | 997.80 |
| Newton (W/S) | 719.20 | 1,060.00 |
| Northborough (partial W) | 547.08 | - |
| Norwood (W/S) | 523.92 | 690.48 |
| Peabody (partial W) | 306.00 | - |
| Quincy (W/S) | 608.40 | 999.60 |
| Randolph (S) | - | 813.00 |
| Reading (W/S) | 1,075.20 | 1,176.00 |
| Revere (W/S) | 386.40 | 1,206.00 |
| Saugus (W) | 513.20 | - |
| Somerville (W/S) | 564.00 | 864.48 |
| South Hadley (W) | 426.80 | - |
| Southborough (W) | 410.32 | - |
| Stoneham (W/S) | 552.00 | 1,080.00 |
| Stoughton (S/partial W) | 491.64 | 1,117.20 |
| Swampscott (W) | 812.00 | - |
| Wakefield (S/partial W) | 577.80 | 1,080.00 |
| Walpole (S) | - | 757.63 |
| Waltham (W/S) | 428.64 | 753.00 |
| Watertown (W/S) | 479.32 | 913.20 |
| Wellesley (S/partial W) | 445.68 | 940.80 |
| Weston (W) | 279.00 | - |
| Westwood (S/partial W) | 592.44 | 748.00 |
| Weymouth (S) | - | 920.84 |
| Wilbraham (W) | 414.00 | - |
| Wilmington (S/partial W) | - | 598.80 |
| Winchester (S/partial W)* | 275.60 | 313.20 |
| Winthrop (W/S) | 598.80 | 998.40 |
| Woburn (S/partial W) | 205.00 | 328.00 |
| Worcester (partial W) | 397.20 | - |
| AVERAGE | \$513.52 | \$878.92 |
| Percent change | 3.1% | 3.8% |

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
2012**

| | Water | Sewer | Combined |
|-------------|----------|----------|------------|
| Abington | \$618.00 | \$640.00 | \$1,258.00 |
| Agawam | 238.80 | 376.32 | 615.12 |
| Ayer | 302.00 | 772.40 | 1,074.40 |
| Beverly | 302.40 | 704.40 | 1,006.80 |
| Brockton | 443.40 | 446.00 | 889.40 |
| Fairhaven | 429.00 | 690.00 | 1,119.00 |
| Fall River | 290.00 | 630.80 | 920.80 |
| Fitchburg | 367.44 | 839.40 | 1,206.84 |
| Gloucester | 1,099.20 | 1,332.00 | 2,431.20 |
| Haverhill | 318.00 | 456.00 | 774.00 |
| Holyoke | 387.81 | 486.00 | 873.81 |
| Hudson | 365.40 | 589.20 | 954.60 |
| Lawrence | 372.00 | 402.00 | 774.00 |
| Lowell | 248.04 | 324.96 | 573.00 |
| Medfield | 286.30 | 759.84 | 1,046.14 |
| New Bedford | 290.79 | 568.00 | 858.79 |
| Salem | 318.00 | 648.00 | 966.00 |
| Springfield | 318.00 | 436.80 | 754.80 |
| Tewksbury | 812.62 | 756.78 | 1,569.40 |

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

**COMPARATIVE ANNUAL RESIDENTIAL WATER & SEWER CHARGES FOR
MAJOR UNITED STATES CITIES
2012**

| | Water | Sewer | Combined |
|-------------------|-----------------|-----------------|-------------------|
| Austin, TX | \$369.36 | \$755.04 | \$1,124.40 |
| Boston, MA | 524.08 | 674.05 | 1,198.12 |
| Columbus, OH | 438.38 | 520.92 | 959.30 |
| Dallas, TX | 286.86 | 482.40 | 769.26 |
| Detroit, MI | 301.44 | 741.24 | 1,042.68 |
| Fort Worth, TX | 346.32 | 386.40 | 732.72 |
| Honolulu, HI | 351.90 | 1,125.00 | 1,476.90 |
| Houston, TX | 410.40 | 531.30 | 941.70 |
| Indianapolis, IN | 441.84 | 414.33 | 856.17 |
| Jacksonville, FL | 337.93 | 686.54 | 1,024.46 |
| Los Angeles, CA | 421.95 | 406.98 | 828.93 |
| Milwaukee, WI | 282.72 | 384.52 | 667.24 |
| MWRA Service Area | 523.10 | 823.83 | 1,346.93 |
| New Orleans, LA | 397.04 | 448.26 | 845.30 |
| New York, NY | 406.80 | 646.81 | 1,053.61 |
| Newark, NJ | 479.20 | 288.58 | 767.77 |
| Philadelphia, PA | 470.64 | 482.52 | 953.16 |
| Portland, ME | 319.20 | 973.20 | 1,292.40 |
| Providence, RI | 398.13 | 504.99 | 903.12 |
| Saint Louis, MO | 307.76 | 501.36 | 809.12 |
| Saint Paul, MN | 296.40 | 423.60 | 720.00 |
| San Antonio, TX | 320.22 | 307.44 | 627.66 |
| San Diego, CA | 676.38 | 615.76 | 1,292.14 |
| San Francisco, CA | 672.00 | 992.88 | 1,664.88 |
| San Jose, CA | 561.85 | 405.96 | 967.81 |
| Seattle, WA | 672.00 | 1,281.60 | 1,953.60 |
| Washington, DC | 633.98 | 654.10 | 1,288.08 |
| AVERAGE | \$431.40 | \$609.61 | \$1,041.02 |

*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: 30 NO: 30 | YES: 50.0% NO: 50.0% |

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, 5 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 - 4 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 - 49 water, 48 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

APPENDIX C

2013 Residential Cost Based on Community Water Use Data

Combined Annual Water and Sewer Charges for Communities Receiving Services from the MWRA Based on Actual Household Usage 2013

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

| | Actual Household Usage (HCF) | Actual Household Usage (kgal) | Water | Sewer | Combined |
|--|------------------------------------|-------------------------------------|-----------------|-----------------|-----------------|
| Ashland | 64.8 | 48.4 | \$376.68 | \$1,445.51 | \$1,822.20 |
| Belmont | 86.6 | 64.8 | \$563.77 | \$1,037.89 | \$1,601.66 |
| Hingham | 79.3 | 59.3 | \$709.28 | \$721.63 | \$1,430.91 |
| Nahant | 91.5 | 68.4 | \$614.88 | \$813.44 | \$1,428.32 |
| Swampscott | 102.6 | 76.7 | \$680.12 | \$594.17 | \$1,274.29 |
| Milton | 81.5 | 61.0 | \$484.85 | \$776.59 | \$1,261.44 |
| Needham | 99.2 | 74.2 | \$402.00 | \$816.48 | \$1,218.48 |
| Reading | 60.6 | 45.4 | \$555.70 | \$629.03 | \$1,184.73 |
| Wellesley | 86.7 | 64.9 | \$328.80 | \$735.88 | \$1,064.67 |
| Canton | 86.6 | 64.8 | \$436.11 | \$627.10 | \$1,063.22 |
| Stoneham | 72.8 | 54.4 | \$349.44 | \$713.44 | \$1,062.88 |
| Walpole | 91.9 | 68.7 | \$445.99 | \$580.59 | \$1,026.58 |
| Wakefield | 71.6 | 53.5 | \$351.20 | \$657.29 | \$1,008.49 |
| Marblehead | 85.2 | 63.8 | \$415.84 | \$577.50 | \$993.34 |
| Stoughton | 71.3 | 53.4 | \$301.48 | \$677.35 | \$978.83 |
| Lexington | 88.2 | 66.0 | \$305.55 | \$653.73 | \$959.28 |
| Newton | 66.4 | 49.7 | \$387.78 | \$571.04 | \$958.82 |
| Dedham | 69.3 | 51.8 | \$431.06 | \$527.62 | \$958.69 |
| Medford | 71.7 | 53.7 | \$380.73 | \$566.43 | \$947.16 |
| Melrose | 58.8 | 44.0 | \$372.23 | \$547.44 | \$919.66 |
| Westwood | 69.3 | 51.8 | \$431.06 | \$437.69 | \$868.75 |
| Bedford | 79.3 | 59.3 | \$307.01 | \$547.62 | \$854.63 |
| Brookline | 65.4 | 48.9 | \$338.34 | \$489.71 | \$828.05 |
| Chelsea | 67.9 | 50.8 | \$278.47 | \$545.40 | \$823.87 |
| Braintree | 82.8 | 61.9 | \$329.46 | \$475.96 | \$805.42 |
| Randolph | 67.3 | 50.3 | \$325.74 | \$448.42 | \$774.16 |
| Revere | 50.6 | 37.8 | \$186.21 | \$586.45 | \$772.66 |
| Watertown | 63.7 | 47.6 | \$279.36 | \$492.40 | \$771.76 |
| Winthrop | 57.0 | 42.6 | \$284.43 | \$474.24 | \$758.67 |
| Framingham | 65.5 | 49.0 | \$353.85 | \$397.64 | \$751.49 |
| Weymouth | 57.8 | 43.2 | \$292.37 | \$433.99 | \$726.36 |
| Everett | 99.9 | 74.8 | \$190.81 | \$520.48 | \$711.29 |
| Quincy | 50.5 | 37.7 | \$269.67 | \$435.16 | \$704.83 |
| Northborough | 60.0 | 44.9 | \$296.56 | \$375.00 | \$671.56 |
| Marlborough | 61.1 | 45.7 | \$325.66 | \$336.05 | \$661.71 |
| Lynn | 69.8 | 52.2 | \$232.43 | \$427.18 | \$659.61 |
| Arlington | 60.2 | 45.0 | \$342.25 | \$314.24 | \$656.50 |
| Somerville | 56.2 | 42.1 | \$238.01 | \$381.01 | \$619.01 |
| Chicopee | 67.8 | 50.7 | \$191.40 | \$425.50 | \$616.90 |
| Wilbraham | 77.2 | 57.7 | \$297.22 | \$316.52 | \$613.74 |
| Holbrook | 53.7 | 40.1 | \$277.63 | \$324.35 | \$601.98 |
| Natick | 72.8 | 54.5 | \$164.03 | \$423.25 | \$587.28 |
| Waltham | 64.7 | 48.4 | \$208.98 | \$372.03 | \$581.01 |
| Leominster | 64.6 | 48.3 | \$263.05 | \$288.82 | \$551.87 |
| Worcester | 64.7 | 48.4 | \$227.10 | \$307.45 | \$534.55 |
| Cambridge | 47.2 | 35.3 | \$144.13 | \$390.02 | \$534.15 |
| Woburn | 103.9 | 77.7 | \$205.00 | \$328.00 | \$533.00 |
| Malden | 66.5 | 49.7 | \$235.25 | \$295.85 | \$531.11 |
| Saugus | 76.6 | 57.3 | \$297.07 | \$213.80 | \$510.87 |
| Boston | 45.7 | 34.2 | \$203.03 | \$262.85 | \$465.88 |
| Weston | 153.3 | 114.7 | \$448.83 | \$0.00 | \$448.83 |
| Wilmington | 76.8 | 57.5 | \$264.02 | \$183.63 | \$447.65 |
| Winchester | 96.3 | 72.1 | \$203.55 | \$219.11 | \$422.66 |
| Norwood | 49.2 | 36.8 | \$196.25 | \$195.42 | \$391.67 |
| Peabody | 66.7 | 49.9 | \$164.22 | \$218.99 | \$383.21 |
| Southborough | 107.2 | 80.2 | \$359.12 | \$0.00 | \$359.12 |
| Clinton | 65.1 | 48.7 | \$179.99 | \$134.99 | \$314.98 |
| Lynnfield | 110.0 | 82.3 | \$310.90 | \$0.00 | \$310.90 |
| Burlington | 69.4 | 51.9 | \$97.80 | \$155.40 | \$253.20 |
| South Hadley | 66.3 | 49.6 | \$244.76 | \$0.00 | \$244.76 |
| Average (minus non-sewered communities) | | | \$331.67 | \$487.02 | \$818.69 |

APPENDIX D

**FINAL MWRA
FISCAL YEAR 2014 BILLABLE
WATER AND SEWER CHARGES**

MASSACHUSETTS WATER RESOURCES AUTHORITY
FINAL FY13 BILLABLE WATER AND SEWER CHARGES

| MWRA Customer | Final FY13 Water Assessment | Final FY14 Water Assessment | Percent Change from FY13 | Final FY13 Sewer Assessment | Final FY14 Sewer Assessment | Percent Change from FY13 | Final FY13 Combined Assessment | Final FY14 Combined Assessment | Dollar Change from FY13 | Percent Change from FY13 |
|--------------------------------|-----------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------------|--------------------------------|-------------------------|--------------------------|
| ARLINGTON | 4,706,235 | 4,553,819 | -3.2% | 7,404,065 | 7,661,286 | 3.5% | 12,110,300 | 12,215,105 | 104,805 | 0.9% |
| ASHLAND | - | - | - | 2,081,319 | 2,175,735 | 4.5% | 2,081,319 | 2,175,735 | 94,416 | 4.5% |
| BEDFORD | - | - | - | 2,909,153 | 2,968,529 | 2.0% | 2,909,153 | 2,968,529 | 59,376 | 2.0% |
| BELMONT | 2,263,350 | 2,516,559 | 11.2% | 4,593,647 | 4,652,803 | 1.3% | 6,856,997 | 7,169,362 | 312,365 | 4.6% |
| BOSTON (BWSC) | 71,651,462 | 73,408,095 | 2.5% | 116,347,350 | 122,165,554 | 5.0% | 187,998,812 | 195,573,649 | 7,574,837 | 4.0% |
| BRAINTREE | - | - | - | 7,597,309 | 7,759,278 | 2.1% | 7,597,309 | 7,759,278 | 161,969 | 2.1% |
| BROOKLINE | 5,656,061 | 5,906,771 | 4.4% | 12,401,739 | 12,675,295 | 2.2% | 18,057,800 | 18,582,066 | 524,266 | 2.9% |
| BURLINGTON | - | - | - | 4,723,848 | 4,846,498 | 2.6% | 4,723,848 | 4,846,498 | 122,650 | 2.6% |
| CAMBRIDGE | - | - | - | 20,768,232 | 21,224,419 | 2.2% | 20,768,232 | 21,224,419 | 456,187 | 2.2% |
| CANTON | 2,138,489 | 1,414,000 | -33.9% | 3,313,092 | 3,460,713 | 4.5% | 5,451,581 | 4,874,713 | -576,868 | -10.6% |
| CHELSEA | 3,406,236 | 3,524,702 | 3.5% | 6,451,121 | 6,833,214 | 5.9% | 9,857,357 | 10,357,916 | 500,559 | 5.1% |
| DEDHAM | - | - | - | 4,864,300 | 4,924,268 | 1.2% | 4,864,300 | 4,924,268 | 59,968 | 1.2% |
| DEDHAM-WESTWOOD WATER DISTRICT | 28,781 | 124,703 | 333.3% | - | - | - | 28,781 | 124,703 | 95,922 | 333.3% |
| EVERETT | 4,334,567 | 4,486,488 | 3.5% | 7,243,065 | 7,612,435 | 5.1% | 11,577,632 | 12,098,923 | 521,291 | 4.5% |
| FRAMINGHAM | 7,355,228 | 7,645,878 | 4.0% | 10,385,748 | 10,691,353 | 2.9% | 17,740,976 | 18,337,231 | 596,255 | 3.4% |
| HINGHAM SEWER DISTRICT | - | - | - | 1,513,205 | 1,562,020 | 3.2% | 1,513,205 | 1,562,020 | 48,815 | 3.2% |
| HOLBROOK | - | - | - | 1,434,900 | 1,495,280 | 4.2% | 1,434,900 | 1,495,280 | 60,380 | 4.2% |
| LEXINGTON | 5,145,927 | 5,555,065 | 8.0% | 6,954,177 | 7,014,300 | 0.9% | 12,100,104 | 12,569,365 | 469,261 | 3.9% |
| LYNN (LWSC) | 259,592 | 242,626 | -6.5% | - | - | - | 259,592 | 242,626 | -16,966 | -6.5% |
| LYNNFIELD WATER DISTRICT | 401,149 | 467,594 | 16.6% | - | - | - | 401,149 | 467,594 | 66,445 | 16.6% |
| MALDEN | 6,053,825 | 6,264,071 | 3.5% | 11,319,673 | 11,761,795 | 3.9% | 17,373,498 | 18,025,866 | 652,368 | 3.8% |
| MARBLEHEAD | 1,825,752 | 1,990,555 | 9.0% | - | - | - | 1,825,752 | 1,990,555 | 164,803 | 9.0% |
| MARLBOROUGH | 2,753,457 | 3,184,761 | 15.7% | - | - | - | 2,753,457 | 3,184,761 | 431,304 | 15.7% |
| MEDFORD | 5,534,818 | 5,520,265 | -0.3% | 10,766,699 | 10,943,641 | 1.6% | 16,301,517 | 16,463,906 | 162,389 | 1.0% |
| MELROSE | 2,405,858 | 2,519,249 | 4.7% | 5,437,804 | 5,648,906 | 3.9% | 7,843,662 | 8,168,155 | 324,493 | 4.1% |
| MILTON | 2,718,549 | 2,834,490 | 4.3% | 4,985,169 | 4,999,997 | 0.3% | 7,703,718 | 7,834,487 | 130,769 | 1.7% |
| NAHANT | 309,977 | 349,194 | 12.7% | - | - | - | 309,977 | 349,194 | 39,217 | 12.7% |
| NATICK | - | - | - | 4,634,401 | 4,903,457 | 5.8% | 4,634,401 | 4,903,457 | 269,056 | 5.8% |
| NEEDHAM | 964,345 | 1,271,018 | 31.8% | 5,381,187 | 5,423,810 | 0.8% | 6,345,532 | 6,694,828 | 349,296 | 5.5% |
| NEWTON | 9,695,370 | 10,333,024 | 6.6% | 19,917,866 | 20,152,363 | 1.2% | 29,613,236 | 30,485,387 | 872,151 | 2.9% |
| NORTHBOROUGH | 883,118 | 1,022,003 | 15.7% | - | - | - | 883,118 | 1,022,003 | 138,885 | 15.7% |
| NORWOOD | 3,372,954 | 3,133,277 | -7.1% | 5,967,178 | 6,147,982 | 3.0% | 9,340,132 | 9,281,259 | -58,873 | -0.6% |
| PEABODY | 621,271 | 779,127 | 25.4% | - | - | - | 621,271 | 779,127 | 157,856 | 25.4% |
| QUINCY | 9,889,803 | 10,147,276 | 2.6% | 18,073,247 | 18,635,986 | 3.1% | 27,963,050 | 28,783,262 | 820,212 | 2.9% |
| RANDOLPH | - | - | - | 5,393,673 | 5,561,761 | 3.1% | 5,393,673 | 5,561,761 | 168,088 | 3.1% |
| READING | 1,811,212 | 1,854,203 | 2.4% | 4,326,182 | 4,489,328 | 4.0% | 6,137,394 | 6,353,531 | 216,137 | 3.5% |
| REVERE | 4,362,470 | 4,353,201 | -0.2% | 9,486,795 | 9,920,985 | 4.6% | 13,849,265 | 14,274,186 | 424,921 | 3.1% |
| SAUGUS | 3,151,506 | 2,963,455 | -6.0% | - | - | - | 3,151,506 | 2,963,455 | -188,051 | -6.0% |
| SOMERVILLE | 6,167,896 | 6,440,071 | 4.4% | 13,887,278 | 14,595,600 | 5.1% | 20,055,174 | 21,035,671 | 980,497 | 4.9% |
| SOUTHBOROUGH | 595,717 | 695,113 | 16.7% | - | - | - | 595,717 | 695,113 | 99,396 | 16.7% |
| STONEHAM | 3,104,419 | 3,262,031 | 5.1% | 4,357,938 | 4,452,189 | 2.2% | 7,462,357 | 7,714,220 | 251,863 | 3.4% |
| STOUGHTON | 700,394 | 758,402 | 8.3% | 4,420,052 | 4,364,713 | -1.3% | 5,120,446 | 5,123,115 | 2,669 | 0.1% |
| SWAMPSCOTT | 1,661,956 | 1,781,628 | 7.2% | - | - | - | 1,661,956 | 1,781,628 | 119,672 | 7.2% |
| WAKEFIELD | 1,617,772 | 1,604,779 | -0.8% | 5,512,303 | 5,549,601 | 0.7% | 7,130,075 | 7,154,380 | 24,305 | 0.3% |
| WALPOLE | - | - | - | 3,300,822 | 3,373,364 | 2.2% | 3,300,822 | 3,373,364 | 72,542 | 2.2% |
| WALTHAM | 7,792,300 | 7,809,194 | 0.2% | 12,485,924 | 12,759,248 | 2.2% | 20,278,224 | 20,568,442 | 290,218 | 1.4% |
| WATERTOWN | 2,925,467 | 2,945,405 | 0.7% | 5,471,720 | 5,654,172 | 3.3% | 8,397,187 | 8,599,577 | 202,390 | 2.4% |
| WELLESLEY | 854,839 | 1,423,735 | 66.6% | 5,078,134 | 5,246,821 | 3.3% | 6,902,973 | 6,670,556 | -232,417 | -3.4% |
| WESTON | 1,684,844 | 1,898,881 | 12.7% | - | - | - | 1,684,844 | 1,898,881 | 214,037 | 12.7% |
| WESTWOOD | - | - | - | 2,317,405 | 2,362,136 | 1.9% | 2,317,405 | 2,362,136 | 44,731 | 1.9% |
| WEYMOUTH | - | - | - | 10,131,271 | 10,400,989 | 2.7% | 10,131,271 | 10,400,989 | 269,718 | 2.7% |
| WILMINGTON | 296,556 | 125,176 | -57.8% | 2,241,570 | 2,408,266 | 7.4% | 2,538,126 | 2,533,442 | -4,684 | -0.2% |
| WINCHESTER | 974,666 | 1,127,860 | 15.7% | 3,634,180 | 3,718,082 | 2.3% | 4,608,846 | 4,845,942 | 237,096 | 5.1% |
| WINTHROP | 1,387,397 | 1,429,691 | 3.0% | 3,036,088 | 3,161,934 | 4.1% | 4,423,485 | 4,591,625 | 168,140 | 3.8% |
| WOBBURN | 2,535,816 | 3,549,339 | 40.0% | 8,959,770 | 9,134,120 | 1.9% | 11,495,586 | 12,683,459 | 1,187,873 | 10.3% |
| TOTAL | \$196,001,401 | \$203,216,774 | 3.7% | \$411,510,599 | \$425,504,226 | 3.4% | \$607,512,000 | \$628,721,000 | \$21,209,000 | 3.5% |

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

APPENDIX E

ADDITIONAL 2013 DATA FOR MWRA COMMUNITIES

AVERAGE AGE OF COMMUNITY'S WATER METERS

| | |
|----------------|----|
| No answer | 2 |
| 1 – 5 years | 11 |
| 6 – 10 years | 17 |
| 11 – 15 years | 18 |
| 15+ years | 12 |
| Invalid Data | 0 |
| Not applicable | 0 |

USE OF MANUAL VERSUS AUTOMATED METER READING

| | |
|----------------|----|
| No answer | 1 |
| Manual | 10 |
| Automated | 48 |
| Both | 1 |
| Invalid Data | 0 |
| Not applicable | 0 |

PERCENTAGE OF WATER UNACCOUNTED FOR

| | |
|----------------|----|
| No answer | 1 |
| 0 – 5% | 7 |
| 5 – 10% | 18 |
| 10 – 15% | 15 |
| 15+% | 19 |
| Invalid Data | 0 |
| Not applicable | 0 |

PERCENTAGE OF WATER SERVICE BILLS LIENED

| | |
|----------------|----|
| No answer | 5 |
| 0 – 5% | 36 |
| 5 – 10% | 12 |
| 10 – 15% | 4 |
| 15+% | 3 |
| Invalid Data | 0 |
| Not applicable | 0 |

PERCENTAGE OF SEWER SERVICE BILLS LIENED

| | |
|----------------|----|
| No answer | 6 |
| 0 – 5% | 31 |
| 5 – 10% | 12 |
| 10 – 15% | 4 |
| 15+% | 3 |
| Invalid Data | 0 |
| Not applicable | 4 |

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

| | |
|----------------|----|
| No answer | 5 |
| Yes | 21 |
| No | 34 |
| Invalid Data | 0 |
| Not applicable | 0 |

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

| | |
|----------------|----|
| No answer | 6 |
| Yes | 23 |
| No | 27 |
| Invalid Data | 0 |
| Not applicable | 4 |

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

| | |
|----------------|----|
| No answer | 11 |
| 0 – 25% | 12 |
| 25 – 50% | 13 |
| 50 – 75% | 20 |
| 75+% | 4 |
| Not applicable | 0 |

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

| | |
|----------------|----|
| No answer | 9 |
| 0 – 25% | 10 |
| 25 – 50% | 7 |
| 50 – 75% | 20 |
| 75+% | 11 |
| Not applicable | 3 |

NUMBER OF MILES OF WATER PIPELINE REHABILITATED OR REPLACED IN FY13

| | |
|----------------|----|
| No answer | 6 |
| Less than 1 | 25 |
| 1 – 3 miles | 22 |
| 3 – 6 miles | 5 |
| 6+ miles | 2 |
| Invalid Data | 0 |
| Not applicable | 0 |

NUMBER OF MILES OF SEWER PIPELINE REHABILITATED OR REPLACED IN FY13

| | |
|----------------|----|
| No answer | 4 |
| Less than 1 | 24 |
| 1 – 3 miles | 19 |
| 3 – 6 miles | 6 |
| 6+ miles | 3 |
| Invalid Data | 0 |
| Not applicable | 4 |

ACTUAL WATER CAPITAL NEEDS OVER NEXT FIVE YEARS

| | |
|---------------------|----|
| No answer | 5 |
| \$0 – \$10 million | 39 |
| \$10 – \$20 million | 8 |
| \$20 – \$50 million | 3 |
| \$50+ million | 5 |
| Invalid Data | 0 |
| Not applicable | 0 |

ANTICIPATED WATER CAPITAL SPENDING OVER NEXT FIVE YEARS

| | |
|------------------------------|----|
| No answer | 3 |
| \$100 thousand – \$1 million | 7 |
| \$1 – \$5 million | 26 |
| \$5 – \$10 million | 16 |
| \$10+ million | 8 |
| Invalid Data | 0 |
| Not applicable | 0 |

ACTUAL SEWER CAPITAL NEEDS OVER NEXT FIVE YEARS

| | |
|---------------------|----|
| No answer | 4 |
| \$0 – \$10 million | 36 |
| \$10 – \$20 million | 8 |
| \$20 – \$50 million | 2 |
| \$50+ million | 6 |
| Invalid Data | 0 |
| Not applicable | 4 |

ANTICIPATED SEWER CAPITAL SPENDING OVER NEXT FIVE YEARS

| | |
|------------------------------|----|
| No answer | 2 |
| \$100 thousand – \$1 million | 12 |
| \$1 – \$5 million | 20 |
| \$5 – \$10 million | 14 |
| \$10+ million | 8 |
| Invalid Data | 0 |
| Not applicable | 0 |

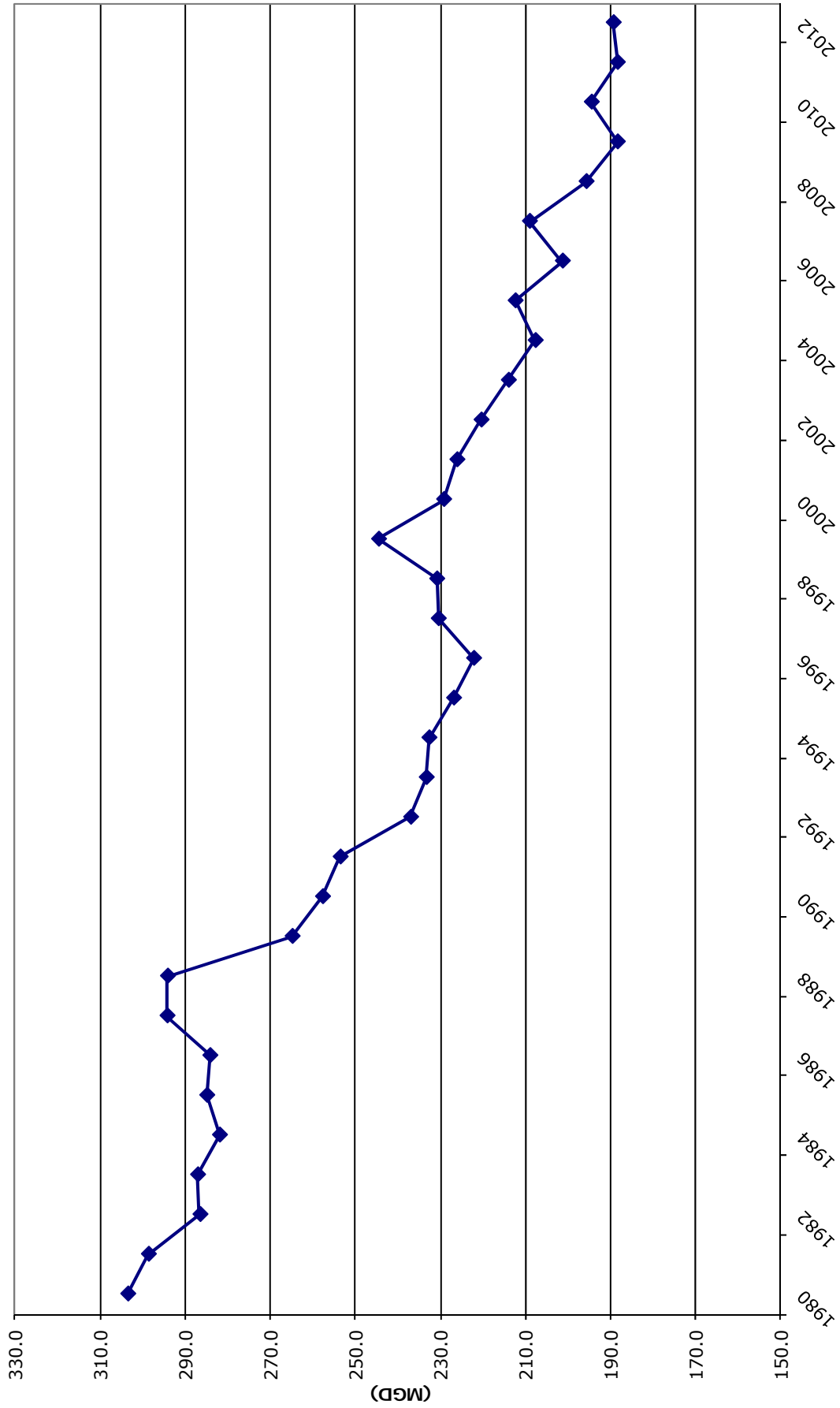
HOW COMMUNITIES RECOVER STORMWATER COSTS

| | |
|--------------------|----|
| No answer | 6 |
| Water/Sewer Rates | 12 |
| Special Assessment | 4 |
| DPW Budget | 30 |
| Other | 7 |
| Invalid Data | 1 |
| Not applicable | 0 |

APPENDIX F

MWRA Water System Sales 1980 - 2012

MWRA System Sales



MWRA ADVISORY BOARD MEMBERS

CITY/TOWN

CEO

ARLINGTON Daniel J. Dunn
 ASHLAND Yolanda Greaves
 BEDFORD William Moonan
 BELMONT Mark A. Paolillo
 BOSTON Hon. Thomas Menino – 2013
 Hon. Martin J. Walsh – 2014
 BRAINTREE Hon. Joseph C. Sullivan
 BROOKLINE Betsy DeWitt
 BURLINGTON Robert Hogan
 CAMBRIDGE Hon. Henrietta Davis – 2013
 Hon. David P. Maher – 2014
 CANTON Gerald Salvatori, Jr.
 CHELSEA Jay Ash
 CHICOPEE Hon. Michael Bissonnette – 2013
 Hon. Richard J. Kos – 2014
 CLINTON William F. Connolly, Jr.
 DEDHAM Michael L. Butler
 EVERETT Hon. Carlo DeMaria
 FRAMINGHAM Charles J. Sisitsky
 HINGHAM Bruce Rabuffo
 HOLBROOK Timothy J. Gordon
 LEOMINSTER Hon. Dean Mazzarella
 LEXINGTON Deborah Mauger
 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
 MELROSE Hon. Robert J. Dolan
 MILTON Denis Keohane
 NAHANT Andrew Bisignani
 NATICK Carol A. Gloff
 NEEDHAM Daniel P. Matthews
 NEWTON Hon. Setti D. Warren
 NORTHBOROUGH Leslie Rutan
 NORWOOD William J. Plasko
 PEABODY Hon. Edward A. Bettencourt
 QUINCY Hon. Thomas P. Koch
 RANDOLPH Paul J. Meoni
 READING James E. Bonazoli
 REVERE Hon. Daniel Rizzo
 SAUGUS Ellen Faiella
 SOMERVILLE Hon. Joseph A. Curtatone
 SOUTH HADLEY John R. Hine
 SOUTHBOROUGH Daniel Kolenda
 STONEHAM Robert Sweeney
 STOUGHTON John M. Anzivino
 SWAMPSCOTT Jill G. Sullivan
 WAKEFIELD Tiziano Doto
 WALPOLE Mark E. Gallivan
 WALTHAM Hon. Jeannette A. McCarthy
 WATERTOWN Mark S. Sideris
 WELLESLEY Katherine Babson, Jr.
 WESTON Edward Coburn
 WESTWOOD Nancy Hyde
 WEYMOUTH Hon. Susan M. Kay
 WILBRAHAM James Thompson
 WILMINGTON Michael V. McCoy
 WINCHESTER Douglas Marmon
 WINTHROP Peter T. Gill
 WOBURN Hon. Scott Galvin
 WORCESTER Hon. Joseph M. Petty

DESIGNEE

Michael Rademacher
 David Manugian
 Roy Sorenson
 Peter Castanino/Michael Bishop
 John Sullivan, Jr. *
 Greg Riley
 Jay Hersey
 John Sanchez*
 Timothy MacDonald
 Michael Trotta
 Andrew DeSantis*
 Jason L. Mammone
 Richard Viscay/Jason Marcotte
 Peter Sellers
 Edmund Demko/Michael Salerno
 Thomas Cummings
 William Hadley*
 Daniel F. O'Neill
 Paul R. Humphries
 John Russell
 Amy McHugh
 Ron LaFreniere
 Cassandra Koutalidis
 Andrew Street
 Katherine Dunphy**
 F. Thom Donahue
 Craig Leiner
 John Cosgrove/Vincent Roy
 Lou Taverna*
 Daniel F. Nason
 Bernard Cooper*
 Davis Scribner
 Michael Coffey/Lawrence Prendeville
 Richard Brewer
 Jeffrey Zager
 Nicholas J. Rystrom*
 Joseph Attubato
 Rob King*
 John Mikuszewski
 Karen Gilligan
 John DeAmicis*
 Jack Mitchell/Michael Hartman
 Gino A. Cresta, Jr.
 Carol Antonelli*/Richard Stinson
 Patrick Fasanello
 Gerald Mee
 Walter Woods*
 Robert Angelo/Vickie Vickrey Quiram
 Jeffrey Bina/Kenneth Morse
 Zigmund A. Peret*
 Michael Woods/Joseph Lobao
 Stephen Swymer
 Anthony Blazejowski
 Robert Moylan, Jr.

Gubernatorial Appointees

Quabbin and Ware Watershed – J. R. Greene
Wachusett Watershed – Barbara Wyatt
Environmental Protection – Andrew Chalker Fisk
Boston Harbor – Vacant (2)
Connecticut River Basin – Richard N. Palmer

MAPC Appointee:

Edward G. Bates

Advisory Board Designees to the MWRA Board of Directors:

John Carroll – Norwood
Andrew Pappastergion - Brookline
Joseph Foti - Chelsea

*Member of the Executive Committee

** Chairman of the Executive Committee