

THE

MWRA ADVISORY BOARD

ANNUAL RATE SURVEY

1990

THE MWRA ADVISORY BOARD...
was established by the Legislature to represent the
60 communities in the MWRA service area. It provides
a ratepayers perspective on the MWRA's policies and
plans to improve the region's water and sewer system,
while keeping watch over the Authority's budget and
rates. For more information call (617) 742-7561 or
write: The MWRA Advisory Board, 11 Beacon Street,
Suite 1010, Boston, MA. 02108.

1990 WATER AND SEWER RATES IN THE MWRA COMMUNITIES

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**ANNUAL WATER AND SEWER COSTS
IN COMMUNITIES RECEIVING THOSE SERVICES FROM THE MWRA**

<u>WATER COSTS (\$)</u>		<u>SEWER COSTS (\$)</u>	
Arlington	225.60	Arlington	240.00
Belmont	180.24	Ashland	180.30
Boston	181.47	Bedford	308.00
Brookline	234.00	Belmont	385.20
Cambridge	125.60	Boston	225.64
Canton	206.96	Braintree	198.00
Chelsea	138.00	Brookline	198.00
Chicopee	90.00	Burlington	198.56
Clinton	87.60	Cambridge	210.40
Everett	137.40	Canton	247.82
Framingham	132.00	Chelsea	134.40
Leominster	138.00	Dedham	246.00
Lexington	135.10	Everett	240.00
Lynn	217.20	Framingham	228.00
Lynnfield W.D.	148.00	Hingham	378.00
Malden	101.98	Holbrook	216.00
Marblehead	216.00	Lexington	209.30
Marlborough	162.00	Malden	206.50
Medford	173.16	Medford	267.04
Melrose	117.90	Melrose	166.32
Milton	168.00	Milton	306.00
Nahant	252.00	Natick	324.00
Needham	86.40	Needham	254.40
Newton	174.80	Newton	316.00
Northborough	120.00	Norwood	191.28
Norwood	134.40	Quincy	253.68
Peabody	109.20	Randolph	160.00
Quincy	139.92	Reading	355.20
Revere	104.40	Revere	328.80
Saugus	152.50	Somerville	141.70
Somerville	152.60	Stoneham	282.00
S. Hadley F.D.#1	126.00	Stoughton	410.40
Southborough	218.04	Wakefield	288.00
Stoneham	140.40	Walpole	222.31
Swampscott	169.20	Waltham	162.00
Wakefield	155.00	Watertown	266.40
Waltham	120.00	Wellesley	279.00
Watertown	180.00	Westwood	458.28
Wellesley	186.37	Weymouth	144.60
Weston	122.40	Wilmington	294.00
Wilbraham	114.00	Winchester	272.10
Winchester	232.20	Winthrop	224.64
Winthrop	187.20	Woburn	118.00
Woburn	90.00	-----	-----
-----	-----	Average	249.68
Average	154.16		

Costs based on typical family using 12,000 cf per year.

**COMBINED ANNUAL WATER AND SEWER COSTS
IN COMMUNITIES THAT RECEIVE BOTH SERVICES FROM THE MWRA**

<u>COMMUNITY</u>	<u>COSTS (\$)</u>
Arlington	465.60
Belmont	565.44
Boston	407.11
Brookline	432.00
Cambridge (P)	336.00
Canton (P)	454.78
Chelsea	272.40
Everett	377.40
Framingham (P)	360.00
Lexington	344.40
Malden	308.40
Medford	440.20
Melrose	284.22
Milton	474.00
Needham (P)	340.80
Newton	490.80
Norwood	325.68
Quincy	386.60
Revere	433.20
Somerville	294.30
Stoneham	422.40
Wakefield (P)	443.00
Waltham	282.00
Watertown	446.40
Wellesley	465.37
Winchester	504.30
Winthrop	411.84
Woburn (P)	208.00
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Average	382.41

(P) = Partial Water User

**COMBINED ANNUAL WATER AND SEWER COSTS IN COMMUNITIES
THAT RECEIVE ONLY ONE OF THOSE SERVICES FROM THE MWRA**

<u>COMMUNITY</u>	<u>COSTS (\$)</u>
Ashland (S)	360.60
Bedford (S)	622.00
Braintree (S)	348.00
Burlington (S)	297.84
Chicopee (W)	118.80
Clinton (W)	153.30
Dedham (S)	580.56
Hingham (S)	557.51
Holbrook (S)	346.00
Leominster (P)	258.00
Lynn (P)	451.20
Marblehead (W)	456.00
Marlborough (P)	324.00
Nahant (W)	540.00
Natick (S)	460.80
Northborough (P)	240.00
Peabody (P)	250.35
Randolph (S)	280.00
Reading (S)	662.40
Saugus (W)	318.50
Stoughton (S)	575.87
Swampscott (W)	282.00
Walpole (S)	426.31
Westwood (S)	792.84
Weymouth (S)	294.90
Wilbraham (W)	361.56
Wilmington (S)	601.20
Worcester (P)	277.68

Average	401.62

(W) = Water, (S) = Sewer, (P) = Partial Water

Four communities not listed because they do not provide municipal sewer services: Lynnfield W.D.
South Hadley F. D. #1, Southborough and Weston.

SYSTEMWIDE DATA

(Total number of communities in each category)

BILLING FREQUENCY

2 times a year:	25
3 times a year:	3
4 times a year:	30
6 times a year:	2

WATER RATE STRUCTURE

Ascending Block:	22
Descending Block:	2
Flat Rate:	35
Fixed Fee:	1

LIFELINE RATES

Yes:	15
No:	45

COST INCREASES - COMBINED W & S

Decrease:	1
No Change:	17
Below 10%:	14
10% to 20%:	11
21% to 30%:	5
31% to 40%:	6
41% to 50%:	2
Above 50%:	4

WATER AND SEWER RATES

Arlington

Water - \$1.88 per HCF Sewer - \$2.00 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$225.60 S - \$240.00
per family:	Combined - \$465.60
Cost increase:	11.5%

Ashland

Water - base charge	\$15.00
1st 2000 cf	1.44 per HCF
next 5000 cf	1.49 per HCF
next 8000 cf	1.54 per HCF
over 15000 cf	1.59 per HCF

Sewer - same as water rates

MWRA services:	Sewer
Billing frequency:	Semi-annually
Effective date:	6/1/89
Lifeline rate:	Yes
Annual costs	W - \$180.30 S - \$180.30
per family:	Combined - \$360.60
Cost increase:	0%

Bedford

Water - 1st 2000 cf	\$1.20 per HCF
over 2000 cf	2.90 per HCF
Sewer - 1st 2500 cf	\$1.30 per HCF
over 2500 cf	2.90 per HCF

MWRA services:	Sewer and Emergency Water
Billing frequency:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$314.00 S - \$308.00
per family:	Combined - \$622.00
Cost increase:	29%

Belmont

Water - 1st 1200 cf	\$9.60
over 1200 cf	\$1.58 per HCF
Sewer -	\$3.21 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Quarterly
Effective date:	7/1/90
Lifeline rate:	NO
Annual costs	W - \$180.24 S - \$385.20
per family:	Combined - \$565.44
Cost increase:	9.3%

Boston

Water - 1st	19 cf/day	\$1.511 per HCF
next	20 cf/day	1.514 per HCF
next	50 cf/day	1.518 per HCF
next	70 cf/day	1.521 per HCF
next	190 cf/day	1.525 per HCF
next	250 cf/day	1.528 per HCF
next	700 cf/day	1.532 per HCF
next	1700 cf/day	1.536 per HCF
next	3000 cf/day	1.538 per HCF
over	5999 cf/day	1.542 per HCF
Sewer - 1st	19 cf/day	\$1.871 per HCF
next	20 cf/day	1.893 per HCF
next	50 cf/day	1.915 per HCF
next	70 cf/day	1.937 per HCF
next	190 cf/day	1.959 per HCF
next	250 cf/day	1.981 per HCF
next	700 cf/day	2.004 per HCF
next	1700 cf/day	2.024 per HCF
next	3000 cf/day	2.047 per HCF
over	5999 cf/day	2.068 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Quarterly
Effective date:	1/10/90
Lifeline rate:	Yes
Annual costs	W - \$181.47 S - \$225.64
per family:	Combined - \$407.11
Cost increase:	9.6%

Braintree

Water - \$1.25 per HCF Sewer - \$1.65 per HCF

MWRA services:	Sewer
Billing frequency:	Quarterly
Effective date:	3/1/90
Lifeline rate:	No
Annual costs	W - \$150.00 S - \$198.00
per family:	Combined - 348.00
Cost increase:	13.8%

Brookline

Water - \$1.95 per HCF Sewer - \$1.65 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Quarterly
Effective date:	4/1/90
Lifeline rate:	No
Annual costs	W - \$234.00 S - \$198.00
per family:	Combined - \$432.00
Cost increase:	4.3%

Burlington

Water - 1st 20000 gal \$18.80
 next 10000 gal 1.15 per 1000 gal
 next 20000 gal 1.30 per 1000 gal
 next 20000 gal 1.60 per 1000 gal
 over 70000 gal 1.90 per 1000 gal
Sewer - 200% of water bill

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/89
Lifeline rate: No
Annual costs W - \$99.28 S - \$198.56
 per family: Combined - 297.84
Cost increase: 0%

Cambridge

Water - 1st 4000 cf \$1.00 per HCF
 next 36000 cf 1.07 per HCF
 next 160000 cf 1.14 per HCF
 next 800000 cf 1.22 per HCF
 balance 1.30 per HCF
Sewer - 1st 4000 cf \$1.68 per HCF
 next 36000 cf 1.79 per HCF
 next 160000 cf 1.92 per HCF
 next 800000 cf 2.07 per HCF
 balance 2.19 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 4/1/90
Lifeline rate: Yes
Annual costs W - \$125.60 S - \$210.40
 per family: Combined - 336.00
Cost increase: 28%

Canton

Water - 1st 1700 cf \$1.50 per HCF
 next 2800 cf 1.64 per HCF
 next 3800 cf 1.70 per HCF
 balance 1.91 per HCF
Sewer - 1st 1700 cf 1.60 per HCF
 next 2800 cf 1.88 per HCF
 next 3800 cf 2.14 per HCF
 balance 2.33 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Tri-annually
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - 206.96 S - \$247.82
 per family: Combined - \$454.78
Cost increase: 40%

Chelsea

Water - \$1.15 per HCF Sewer - \$1.12 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/88
Lifeline rate: No
Annual costs W - \$138.00 S - \$134.40
 per family: Combined - \$272.40
Cost increase: 0%

Chicopee

Water - 1st 150000 cf \$0.75 per HCF
 next 850000 cf 0.33 per HCF
 next 4000000 cf 0.20 per HCF
 balance 0.15 per HCF
Sewer - \$0.24 per HCF

MWRA services: Water
Billing frequency: Quarterly
Effective date: 10/1/89
Lifeline rate: No
Annual costs W - \$90.00 S - \$28.80
 per family: Combined - \$118.80
Cost increase: 0%

Clinton

Water - 1st 3000 cf \$21.90
 over 3000 cf 0.73 per HCF
Sewer - 75% of water bill

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 1990
Lifeline rate: No
Annual cost W - \$87.60 S - \$65.70
 per family: Combined - \$153.30
Cost increase: 69.8%

Dedham

Water - 1st 500 cf \$24.06
 over 500 cf 2.70 per HCF
 (Water supplied by Dedham/Westwood Water Co.)
Sewer - \$2.05 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 6/90
Lifeline rate: No
Annual costs W - \$334.56 S - \$246.00
 per family: Combined - \$580.56
Cost increase: 2.3%

Everett

Water - 1st 10000 cf \$1.10 per HCF
 over 10000 cf 1.37 per HCF
Sewer - 1st 10000 cf \$1.92 per HCF
 over 10000 cf 2.40 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 4/1/90
Lifeline rate: Yes
Annual costs W - \$137.40 S - \$240.00
per family: Combined - \$377.40
Cost increase: 42.9%

Framingham

Water - \$1.10 per HCF Sewer - \$1.90 per HCF

MWRA services: Water and Sewer
Billing frequency: Tri-annually
Effective date: 7/1/90
Lifeline rate: Yes
Annual costs W - \$132.00 S - \$228.00
per family: Combined - \$360.00
Cost increase: 20%

Hingham

Water - 1st 700 cf \$18.51
 next 500 cf 2.117 per HCF
 next 1000 cf 1.907 per HCF
 next 2000 cf 1.739 per HCF
 next 5000 cf 1.363 per HCF
 next 5000 cf 1.015 per HCF
 balance 0.671 per HCF

(Water supplied by Hingham Water Co.)

Sewer - \$3.15 per HCF

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 1990
Lifeline rate: No
Annual costs W - \$179.51 S - \$378.00
per family: Combined - \$557.51
Cost increase: 34.9%

Holbrook

Water - \$130.00 per year Sewer - \$1.80 per HCF

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/90
Lifeline rate: No
Annual cost W - \$130.00 S - \$216.00
per family: Combined - \$346.00
Cost increase: 4%

Leominster

Water - \$1.15 per HCF Sewer - \$1.00 per HCF

MWRA services: Partial Water
Billing frequency: Quarterly
Effective date: 4/1/90
Lifeline rate: No
Annual costs W - \$138.00 S - \$120.00
 per family: Combined - \$258.00
Cost increase: 34.4%

Lexington

Water - 1st 1000 cf \$0.70 per HCF
 next 3000 cf 0.99 per HCF
 next 4000 cf 0.99 per HCF
 next 4000 cf 1.47 per HCF
 next 4000 cf 1.47 per HCF
 balance 1.52 per HCF
Sewer - 1st 1000 cf \$0.98 per HCF
 next 3000 cf 1.25 per HCF
 next 4000 cf 1.68 per HCF
 next 4000 cf 2.37 per HCF
 next 4000 cf 2.40 per HCF
 balance 2.45 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 4/1/90
Lifeline rate: Yes
Annual costs W - \$135.10 S - \$209.30
 per family: Combined - \$344.40
Cost increase: 38.6%

Lynn

Water - \$1.81 per HCF Sewer - \$1.95 per HCF

MWRA services: Partial Water
Billing frequency: Quarterly
Effective date: 7/1/89
Lifeline rate: Yes
Annual costs W - \$217.20 S - \$234.00
 per family: Combined - \$451.20
Cost increase: 0%

Lynnfield Water District

Water - 1st 4000 cf \$60.00
 over 4000 cf 1.10 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 9/1/87
Lifeline rate: No
Annual cost: \$148.00
Cost increase: 0%

Malden

Water - 1st	1000 cf	\$15.00	
next	4000 cf	0.72	per HCF
next	70000 cf	0.83	per HCF
over	75000 cf	1.19	per HCF
Sewer - 1st	1000 cf	\$10.00	
next	4000 cf	1.36	per HCF
next	70000 cf	2.03	per HCF
over	75000 cf	2.21	per HCF

MWRA services:	Water and Sewer
Billing frequency:	Semi-annually
Effective date:	7/1/88
Lifeline rate:	No
Annual costs	W - \$101.90 S - \$206.50
per family:	Combined - \$308.40
Cost increase:	0%

Marblehead

Water - \$1.80 per HCF Sewer - \$2.00 per HCF

MWRA services:	Water
Billing frequency:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$216.00 S - \$240.00
per family:	Combined - \$456.00
Cost increase:	8.6%

Marlborough

Water - \$1.35 per HCF Sewer - \$1.35 per HCF

MWRA services:	Partial Water
Billing frequency:	Quarterly
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$162.00 S - \$162.00
per family:	Combined - \$324.00
Cost increase:	12.5%

Medford

Water - \$0.78 per HCF plus 85% MWRA surcharge
Sewer - \$0.595 per HCF plus 274% MWRA surcharge

MWRA services:	Water and Sewer
Billing frequency:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$173.16 S - \$267.04
per family:	Combined - \$440.20
Cost increase:	48.4%

Melrose

Water - 1st 5000 cf \$0.90 per HCF
 next 5000 cf 1.01 per HCF
 next 5000 cf 1.12 per HCF
 over 15000 cf 1.17 per HCF
Sewer - \$1.54 per HCF based on 90% of water usage

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/89
Lifeline rate: Yes
Annual costs W - \$117.90 S - \$166.32
 per family: Combined - \$284.22
Cost increase: 0%

Milton

Water - \$1.40 per HCF Sewer - \$2.55 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 8/1/90
Lifeline rate: No
Annual costs W - \$168.00 S - \$306.00
 per family: Combined - \$474.00
Cost increase: 17.5%

Nahant

Water - \$2.10 per HCF Sewer - \$2.40 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 10/1/88
Lifeline rate: No
Annual costs W - \$252.00 S - \$288.00
 per family: Combined - \$540.00
Cost increase: 0%

Natick

Water - \$1.14 per HCF Sewer - \$2.70 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$136.80 S - \$324.00
 per family: Combined - \$460.80
Cost increase: 12.9%

Needham

Water - \$0.72 per HCF Sewer - \$2.12 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$86.40 S - \$254.40
 per family: Combined - \$340.80
Cost increase: 27.9%

Newton

Water - 1st 2000 cf \$1.28 per HCF
 next 2000 cf 1.42 per HCF
 over 4000 cf 1.51 per HCF
Sewer - 1st 2000 cf \$2.46 per HCF
 next 2000 cf 2.58 per HCF
 over 4000 cf 2.69 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: Yes
Annual costs W - \$174.80 S - \$316.00
 per family: Combined - \$490.80
Cost increase: 83.7%

Northborough

Water - \$1.00 per HCF Sewer - \$1.00 per HCF

MWRA services: Partial Water
Billing frequency: Semi-annually
Effective date: 4/1/89
Lifeline rate: Yes
Annual costs W - \$120.00 S - \$120.00
 per family: Combined - \$240.00
Cost increase: 0%

Norwood

Water - 1st 1000 cf \$1.01 per HCF
 over 1000 cf 1.13 per HCF
Sewer - 1st 1000 cf \$2.18 per HCF
 over 1000 cf 2.70 per HCF

MWRA services: Water and Sewer
Billing frequency: Bi-monthly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$134.40 S - \$191.28
 per family: Combined - \$325.68
Cost increase: 11.2%

Peabody

Water - \$0.91 per HCF
Sewer - 1st 1500 cf \$1.08 per HCF
 over 1500 cf 1.19 per HCF

MWRA services: Partial Water
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$109.20 S - \$141.15
 per family: Combined - \$250.35
Cost increase: 16.5%

Quincy

Water - 1st 4200 cf \$1.14 per HCF
 next 12500 cf 1.18 per HCF
 next 12500 cf 1.21 per HCF
 next 12500 cf 1.25 per HCF
 next 12500 cf 1.29 per HCF
 next 25000 cf 1.33 per HCF
 next 25000 cf 1.36 per HCF
 next 50000 cf 1.39 per HCF
 next 50000 cf 1.42 per HCF
 balance 1.45 per HCF
Sewer - \$3.02 per HCF based on 70% water usage

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$139.92 S - \$253.68
 per family: Combined - \$386.60
Cost increase: 197.7%

Randolph

Water - \$1.00 per HCF Sewer - \$160.00 per year

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/89
Lifeline rate: Yes
Annual costs W - \$120.00 S - \$160.00
 per family: Combined - \$280.00
Cost increase: 0%

Reading

Water - \$2.56 per HCF Sewer - \$2.96 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 4/1/90
Lifeline rate: No
Annual costs W - \$307.20 S - \$355.20
 per family: Combined - \$662.40
Cost increase: -1.2%

Revere

Water - \$0.87 per HCF Sewer - \$2.74 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$104.40 S - \$328.80
 per family: Combined - \$433.20
Cost increase: 16.3%

Saugus

Water - 1st 3000 cf \$1.00 per HCF
 next 7000 cf 1.35 per HCF
 next 10000 cf 1.40 per HCF
 next 30000 cf 1.50 per HCF
 next 50000 cf 1.60 per HCF
 balance 1.70 per HCF
Sewer - 1st 3000 cf \$1.20 per HCF
 next 7000 cf 1.40 per HCF
 next 10000 cf 1.60 per HCF
 next 30000 cf 1.80 per HCF
 balance 2.00 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 10/1/90
Lifeline rate: No
Annual costs W - \$152.50 S - \$166.00
 per family: Combined - \$318.50
Cost increase: 16.5%

Somerville

Water - 1st	5000 cf	\$1.23 per HCF
next	5000 cf	1.29 per HCF
over 10000	cf	1.33 per HCF
Sewer - 1st	5000 cf	\$1.14 per HCF
next	5000 cf	1.19 per HCF
over 10000	cf	1.26 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Quarterly
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$152.60 S - \$141.70
per family:	Combined - \$294.30
Cost increase:	14%

South Hadley Fire District #1

Water - \$1.05 per HCF

MWRA services:	Water
Billing frequency:	Quarterly
Effective date:	4/1/90
Lifeline rate:	No
Annual costs:	\$126.00
Cost increase:	39.4%

Southborough

Water - \$1.817 per HCF

MWRA services:	Water
Billing frequency:	Quarterly
Effective date:	4/1/88
Lifeline rate:	No
Annual cost:	\$218.04
Cost increase:	0%

Stoneham

Water - \$1.17 per HCF Sewer - \$2.35 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Quarterly
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$140.40 S - \$282.00
per family:	Combined - \$422.40
Cost increase:	6.3%

Stoughton

Water - 1st	1000 cf	\$26.45
next	1000 cf	1.06 per HCF
next	3200 cf	1.20 per HCF
next	6600 cf	1.32 per HCF
next	6600 cf	1.45 per HCF
next	6600 cf	1.59 per HCF
next	25000 cf	1.73 per HCF
next	50000 cf	1.85 per HCF
balance		2.19 per HCF
Sewer -		\$3.42 per HCF

MWRA services:	Sewer
Billing frequency:	Quarterly
Effective date:	7/1/89
Lifeline rate:	Yes
Annual costs	W - \$165.47 S - \$410.40
per family:	Combined - \$575.87
Cost increase:	0%

Swampscott

Water - \$1.41 per HCF Sewer - \$0.94 per HCF

MWRA services:	Water
Billing frequency:	Semi-annually
Effective date:	1/1/90
Lifeline rate:	No
Annual costs	W - \$169.20 S - \$112.80
per family:	Combined - \$282.00
Cost increase:	9.3%

Wakefield

Water - 1st	800 cf	\$15.00
balance		1.25 per HCF
Sewer - 1st	800 cf	\$20.00
balance		2.40 per HCF

MWRA services:	Sewer and Partial Water
Billing frequency:	Quarterly
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$155.00 S - \$288.00
per family:	Combined - \$443.00
Cost increase:	4%

Walpole

Water - \$1.70 per HCF
Sewer - 1st 500 cf \$2.172 per HCF
 over 500 cf 2.472 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$204.00 S - \$222.31
per family: Combined - \$426.31

Waltham

Water - 1st 1500 cf/month \$1.00 per HCF
 next 2500 cf/month 1.20 per HCF
 over 4000 cf/month 1.40 per HCF
Sewer - 1st 1500 cf/month \$1.35 per HCF
 next 2500 cf/month 1.40 per HCF
 over 4000 cf/month 1.45 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/89
Lifeline rate: No
Annual costs W - \$120.00 S - \$162.00
per family: Combined - \$282.00
Cost increase: 0%

Watertown

Water - \$1.50 per HCF
Sewer - \$2.22 per HCF based on 85% water usage

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$180.00 S - \$266.40
per family: Combined - \$446.40
Cost increase: 39.4%

Wellesley

Water - \$1.30 per HCF plus \$3.45 base charge
 (over 2500 cf \$2.15 per HCF, summer only)
Sewer - \$2.30 per HCF plus \$3.00 base charge

MWRA service: Sewer and Partial Water
Billing frequency: Bi-monthly
Effective date: 8/1/90
Lifeline rate: No
Annual costs W - \$186.37 S - \$279.00
per family: Combined - \$465.37
Cost increase: 4.2%

Weston

Water - \$1.02 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 9/1/90
Lifeline rate: No
Annual costs: 112.40
Cost increase: 78.9%

Westwood

Water - 1st 500 cf \$24.06
 over 500 cf 2.70 per HCF
Sewer - 1st 2500 cf \$2.40 per HCF
 next 3750 cf 2.77 per HCF
 balance 5.12 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 9/1/90
Lifeline rate: No
Annual costs W - \$334.56 S - \$458.28
 per family: Combined - \$792.84
Cost increase: 16.9%

Weymouth

Water - 1st 200 cf/month \$3.00
 next 400 cf/month 1.20 per HCF
 next 25000 cf/month 1.25 per HCF
 balance 1.30 per HCF
Sewer - 1st 200 cf/month \$3.00
 over 200 cf/month 1.20 per HCF

MWRA services: Sewer
Billing frequency: Tri-annually
Effective date: 4/1/89
Lifeline rate: Yes
Annual costs W - \$150.30 S - \$144.60
 per family: Combined - \$294.90
Cost increase: 0%

Wilbraham

Water - 1st 10000 cf \$0.90 per HCF
 next 10000 cf 1.20 per HCF
 over 20000 cf 1.50 per HCF
Sewer - \$2.063 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 4/1/90
Lifeline rate: No
Annual costs W - \$114.00 S - \$247.56
 per family: Combined - \$361.56
Cost increase: 14.7%

Wilmington

Water - \$2.56 per HCF Sewer - \$2.45 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/90
Lifeline rate: No
Annual costs W - \$307.20 S - \$294.00
 per family: Combined - \$601.20
Cost increase: 8.4%

Winchester

Water - 1st 7500 cf \$1.80 per HCF
 over 7500 cf 2.16 per HCF
Sewer - 1st 7500 cf \$2.11 per HCF
 over 7500 cf 2.53 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 1/1/89
Lifeline rate: Yes
Annual costs W - \$232.20 S - \$272.10
 per family: Combined - \$504.30
Cost increase: 0%

Winthrop

Water - \$1.56 per HCF Sewer - 120% of water bill

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 1/1/89
Lifeline rate: No
Annual costs W - \$187.20 S - \$224.64
 per family: Combined - \$411.84
Cost increase: 0%

Woburn

Water - \$90.00 per year Sewer - \$118.00 per year

MWRA services:	Sewer and Partial Water
Billing frequency:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	Yes
Annual costs:	Combined - \$208.00
Cost increase:	9.4%

Worcester

Water - \$1.37 per HCF
Sewer - \$1.18 per HCF based on 80% water usage

MWRA services:	None, but eligible for Water
Billing date:	Semi-annually
Effective date:	7/1/90
Lifeline rate:	No
Annual costs	W - \$164.40 S - \$113.28
per family:	Combined - \$277.68
Cost increase:	6.2%

Explanatory Notes

Data presented in this report is based on information provided to the Advisory Board through its Annual Survey of Communities. Calculations of annual costs were derived by using the rate information supplied by each community.

Abbreviations: cf = cubic foot, HCF = 100 cubic feet.

Billing frequency: Given for residential accounts only, commercial and industrial accounts may be billed differently.

Sewer usage: Billed at 100% water consumption, unless noted otherwise.

Lifeline rates: A type of discount available to poor or elderly customers, or rates that are set to provide significant discounts to low volume water users.

Annual costs per family: Based on a typical family of four that uses 12,000 cf (120 HCF or 90,000 gallons) of water per year.

Cost increase: The percentage of change in combined water and sewer costs as compared with the previous year.

MWRA Service Rating

Scale: 1=Poor 2=Below Average 3=Good 4=Excellent

<u>Service</u>	<u>Average Score</u>
1. Quality of water	3.1
2. Response to questions and/or complaints	3.2
3. Response to problems and/or emergencies	3.0
4. Controls on spending	2.3
5. Progress on harbor projects	3.1
6. Provisions of information to the public	3.1
7. Timely information to local officials	2.9

MWRA overall rating	2.9

Source: MWRA Service Rating Survey, 2010. Data collected from 100 MWRA customers.

Communities with Enterprise Funds

	Water	Sewer
1. Arlington	x	x
2. Bedford (a)		x
3. Braintree		x
4. Leominster	x	
5. Lexington	x	x
6. Lynn	p	
7. Marlborough	p	
8. Medford	x	x
9. Milton (a)	x	x
10. Reading		x
11. Southborough	x	
12. Stoneham	x	x
13. Stoughton		x
14. Wakefield	p	x
15. Waltham	x	x
16. Westwood		x
17. Weymouth		x
18. Wilbraham	x	
19. Winchester	p	x
20. Worcester	p	

x = Community receives this service from the MWRA.

p = Partial user.

a = Special Revenue account.