

MWRA ADVISORY BOARD

ANNUAL RATE SURVEY

1991



**THE COMMUNITY ADVISORY BOARD
TO THE MASSACHUSETTS WATER RESOURCES AUTHORITY**

THE MWRA ADVISORY BOARD...

was established by the Legislature to represent the 60 communities in the MWRA service area. It provides a ratepayer 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.

1991 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	247.20	Arlington	326.40
Belmont	198.00	Ashland	367.60
Boston	200.84	Bedford	337.00
Brookline	234.00	Belmont	385.20
Cambridge	152.40	Boston	269.23
Canton	180.00	Braintree	198.00
Chelsea	134.40	Brookline	240.00
Chicopee	96.00	Burlington	199.20
Clinton	87.60	Cambridge	244.80
Everett	144.00	Canton	192.00
Framingham	126.00	Chelsea	266.40
Leominster	138.00	Dedham	281.52
Lexington	143.00	Everett	300.00
Lynn	217.20	Framingham	258.00
Lynnfield W.D.	196.80	Hingham	408.00
Malden	121.40	Holbrook	260.00
Marblehead	180.00	Lexington	219.60
Marlborough	162.00	Malden	231.40
Medford	173.16	Medford	198.59
Melrose	165.00	Melrose	274.32
Milton	168.00	Milton	306.00
Nahant	252.00	Natick	434.40
Needham	86.40	Needham	352.80
Newton	159.20	Newton	300.00
Northborough	151.80	Norwood	220.68
Norwood	138.00	Quincy	267.96
Peabody	138.00	Randolph	249.60
Quincy	140.40	Reading	397.20
Revere	120.00	Revere	414.00
Saugus	141.00	Somerville	208.80
Somerville	171.60	Stoneham	352.80
S. Hadley F.D.#1	126.00	Stoughton	410.40
Southborough	261.60	Wakefield	364.00
Stoneham	180.00	Walpole	286.08
Swampscott	165.60	Waltham	210.00
Wakefield	178.00	Watertown	297.84
Waltham	126.00	Wellesley	348.00
Watertown	214.80	Westwood	381.40
Wellesley	176.70	Weymouth	145.80
Weston	108.00	Wilmington	393.60
Wilbraham	108.00	Winchester	253.20
Winchester	216.00	Winthrop	463.20
Winthrop	252.00	Woburn	166.00
Woburn	106.00		
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Average	163.23	Average	294.91
Avg. Cost Increase	5.9%	Avg. Cost Increase	18.1%

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

COMBINED ANNUAL WATER AND SEWER COSTS

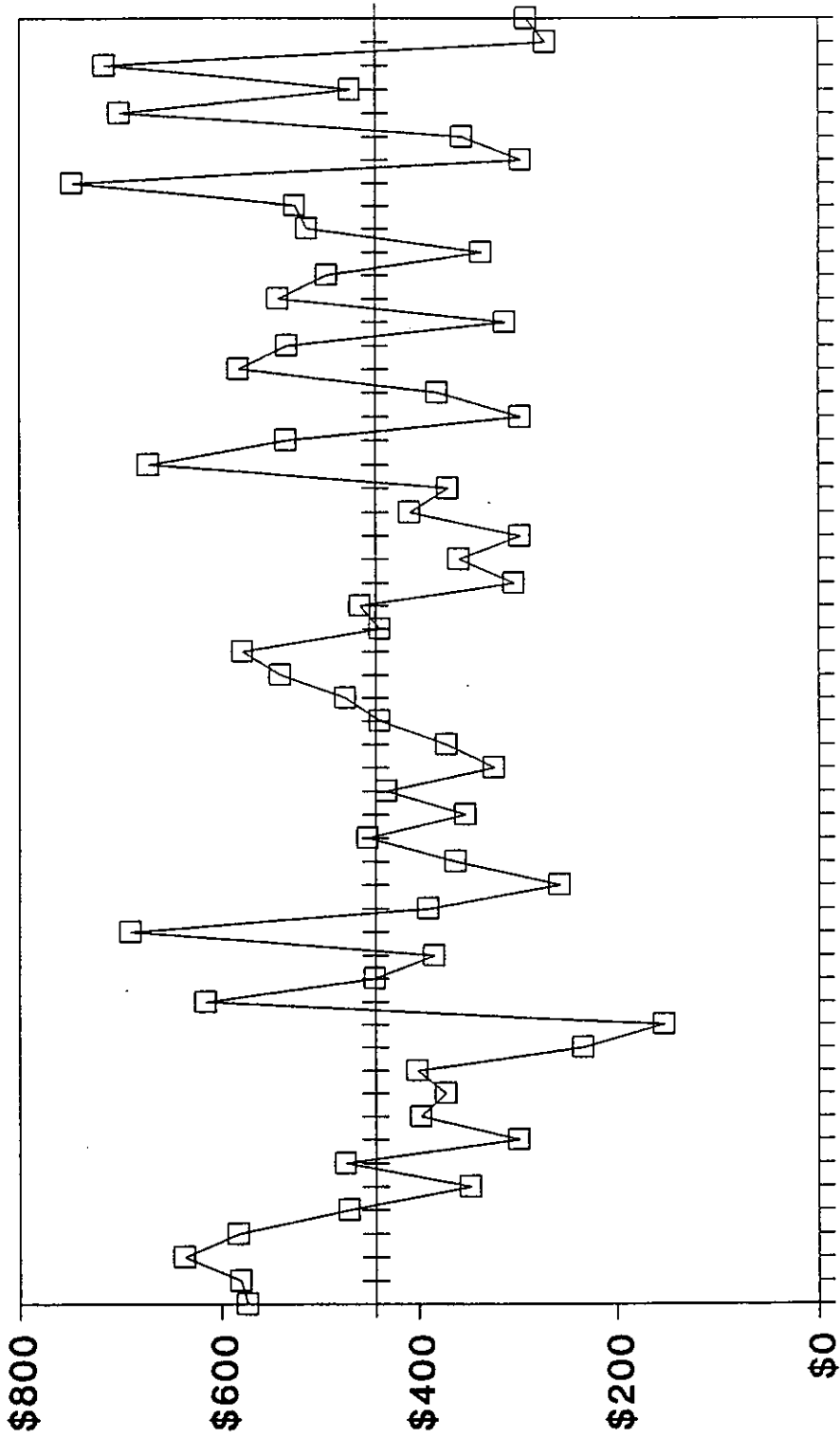
<u>COMMUNITY</u>	<u>COST (\$)</u>	<u>COMMUNITY</u>	<u>COST (\$)</u>
1. Arlington	573.60	29. Natick (S)	578.40
2. Ashland (S)	580.40	30. Needham (P)	439.20
3. Bedford (S)	637.00	31. Newton	459.20
4. Belmont	583.20	32. Northborough (P)	303.60
5. Boston	470.07	33. Norwood	358.68
6. Braintree (S)	348.00	34. Peabody (P)	297.60
7. Brookline	474.00	35. Quincy	408.36
8. Burlington (S)	298.80	36. Randolph (S)	369.60
9. Cambridge (P)	397.20	37. Reading (S)	672.00
10. Canton (P)	372.00	38. Revere	534.00
11. Chelsea	400.80	39. Saugus (W)	297.00
12. Chicopee (W)	234.00	40. Somerville	380.40
13. Clinton (W)	153.30	41. Stoneham	532.80
14. Dedham (S)	615.12	42. Stoughton (S)	582.42
15. Everett	444.00	43. Swampscott (W)	312.00
16. Framingham (P)	384.00	44. Wakefield (P)	542.00
17. Hingham (S)	690.36	45. Walpole (S)	492.48
18. Holbrook (S)	390.00	46. Waltham	336.00
19. Leominster (P)	258.00	47. Watertown	512.64
20. Lexington	362.60	48. Wellesley	524.70
21. Lynn (P)	451.20	49. Westwood (S)	747.64
22. Malden	352.80	50. Weymouth (S)	296.70
23. Marblehead (W)	432.00	51. Wilbraham (W)	355.20
24. Marlborough (P)	324.00	52. Wilmington (S)	700.80
25. Medford	371.75	53. Winchester	469.20
26. Melrose	439.32	54. Winthrop	715.20
27. Milton	474.00	55. Woburn (P)	272.00
28. Nahant (W)	540.00	56. Worcester (P)	291.12
-----		Average 443.44	
		Average Cost Increase 13.1%	

Communities receive MWRA water and sewer services unless noted otherwise:

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

Four communities are not listed because they do not provide municipal sewer services: Lynnfield Water District, South Hadley Fire District #1, Southborough and Weston.

MWRA COMMUNITY RATE COMPARISON



+ Service Area Average
□ Individual Cities and Towns

SYSTEMWIDE DATA

(Total number of communities in each category)

BILLING FREQUENCY

2 times a year:	26
3 times a year:	3
4 times a year:	29
6 times a year:	2

WATER RATE STRUCTURE

Ascending Block:	26
Flat Rate:	32
Fixed Fee:	2

LIFELINE RATES

Yes:	17
No:	43

COST INCREASES - COMBINED W & S

Decrease:	1
No Change:	18
Below 10%:	8
10% to 20%:	16
21% to 30%:	8
31% to 40%:	6
41% to 50%:	1
Above 50%:	4

WATER AND SEWER RATES

Arlington

Water - \$2.06 per HCF Sewer - \$2.72 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$247.20 S - \$326.40
 per family: Combined - \$573.60
Cost increase: 23.2%

Ashland

Water - base charge \$15.00
 1st 2000 cf 1.74 per HCF
 next 5000 cf 1.79 per HCF
 next 8000 cf 1.84 per HCF
 over 15000 cf 1.89 per HCF
Sewer - base charge \$15.00
 1st 2000 cf 2.78 per HCF
 next 5000 cf 2.83 per HCF
 next 8000 cf 2.88 per HCF
 over 15000 cf 2.93 per HCF

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: Yes
Annual costs W - \$212.80 S - \$367.60
 per family: Combined - \$580.40
Cost increase: 60.9%

Bedford

Water - 1st 2000 cf \$1.30 per HCF
 over 2000 cf 3.10 per HCF
Sewer - 1st 2500 cf \$1.70 per HCF
 over 2500 cf 3.60 per HCF

MWRA services: Sewer and Emergency Water
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$300.00 S - \$337.00
 per family: Combined - \$637.00
Cost increase: 12.9%

Belmont

Water - 1st 800 cf \$11.00
over 800 cf 1.75 per HCF
Sewer - \$3.21 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: NO
Annual costs W - \$198.00 S - \$385.20
per family: Combined - \$583.20
Cost increase: 3.1%

Boston

Water - 1st	19 cf/day	\$1.672 per HCF
next	20 cf/day	1.676 per HCF
next	50 cf/day	1.680 per HCF
next	70 cf/day	1.683 per HCF
next	190 cf/day	1.688 per HCF
next	250 cf/day	1.690 per HCF
next	700 cf/day	1.696 per HCF
next	1700 cf/day	1.700 per HCF
next	3000 cf/day	1.703 per HCF
over	5999 cf/day	1.707 per HCF
Sewer - 1st	19 cf/day	\$2.233 per HCF
next	20 cf/day	2.258 per HCF
next	50 cf/day	2.285 per HCF
next	70 cf/day	2.311 per HCF
next	190 cf/day	2.337 per HCF
next	250 cf/day	2.364 per HCF
next	700 cf/day	2.390 per HCF
next	1700 cf/day	2.415 per HCF
next	3000 cf/day	2.442 per HCF
over	5999 cf/day	2.466 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 1/1/91
Lifeline rate: Yes
Annual costs W - \$200.84 S - \$269.23
per family: Combined - \$470.07
Cost increase: 15.5%

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: 0.0%

Brookline

Water - \$1.95 per HCF Sewer - \$2.00 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 4/1/91
Lifeline rate: No
Annual costs W - \$234.00 S - \$240.00
 per family: Combined - \$474.00
Cost increase: 9.7%

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 - \$99.60 S - \$199.20
 per family: Combined - 298.80
Cost increase: 0.0%

Cambridge

Water - 1st 4000 cf \$1.27 per HCF
 next 36000 cf 1.36 per HCF
 next 160000 cf 1.45 per HCF
 next 800000 cf 1.55 per HCF
 balance 1.66 per HCF
Sewer - 1st 4000 cf \$2.04 per HCF
 next 36000 cf 2.17 per HCF
 next 160000 cf 2.33 per HCF
 next 800000 cf 2.51 per HCF
 balance 2.66 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 4/1/91
Lifeline rate: Yes
Annual costs W - \$152.40 S - \$244.80
 per family: Combined - 397.20
Cost increase: 18.2%

Canton

Water - 1st 5200 cf \$1.50 per HCF
next 8300 cf 1.64 per HCF
next 11400 cf 1.70 per HCF
balance 1.91 per HCF
Sewer - 1st 5200 cf 1.60 per HCF
next 8300 cf 1.88 per HCF
next 11400 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 - \$180.00 S - \$192.00
per family: Combined - \$372.00
Cost increase: 0.0%

Chelsea

Water - \$1.12 per HCF Sewer - \$2.22 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$134.40 S - \$266.40
per family: Combined - \$400.80
Cost increase: 47.1%

Chicopee

Water - 1st 1000 cf \$8.00
over 1000 cf 0.80 per HCF
Sewer - \$1.15 per HCF

MWRA services: Water
Billing frequency: Quarterly
Effective date: 1/1/91
Lifeline rate: No
Annual costs W - \$96.00 S - \$138.00
per family: Combined - \$234.00
Cost increase: 96.9%

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: 0.0%

Dedham

Water - \$2.78 per HCF
(Water supplied by Dedham/Westwood Water Co.)
Sewer - \$3.91 per HCF based on 60% water usage

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/26/91
Lifeline rate: No
Annual costs W - \$333.60 S - \$281.52
per family: Combined - \$615.12
Cost increase: 5.9%

Everett

Water - 1st 10000 cf \$1.20 per HCF
balance 1.50 per HCF
Sewer - 1st 10000 cf \$2.50 per HCF
balance 3.12 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 5/1/91
Lifeline rate: Yes
Annual costs W - \$144.00 S - \$300.00
per family: Combined - \$444.00
Cost increase: 17.6%

Framingham

Water - 1st 7200 cf \$1.05 per HCF
next 92800 cf 1.35 per HCF
over 100000 cf 1.60 per HCF
Sewer - 1st 7200 cf \$2.15 per HCF
next 92800 cf 2.60 per HCF
over 100000 cf 3.10 per HCF

MWRA services: Water and Sewer
Billing frequency: Tri-annually
Effective date: 7/1/91
Lifeline rate: Yes
Annual costs W - \$126.00 S - \$258.00
per family: Combined - \$384.00
Cost increase: 6.7%

Hingham

Water - base charge \$28.23
1st 3600 cf 1.412 per HCF
over 3600 cf 0.952 per HCF
(Water supplied by Hingham Water Co.)
Sewer - \$3.40 per HCF

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 1991
Lifeline rate: No
Annual costs W - \$282.36 S - \$408.00
per family: Combined - \$690.36
Cost increase: 23.8%

Holbrook

Water - \$130.00 per year Sewer - \$260.00 per year

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual cost: Combined - \$390.00
Cost increase: 11.3%

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: 0.0%

Lexington

Water - 1st	1000 cf	\$0.70 per HCF
next	1000 cf	1.13 per HCF
next	2000 cf	1.28 per HCF
next	4000 cf	1.38 per HCF
next	4000 cf	1.75 per HCF
next	4000 cf	1.78 per HCF
next	4000 cf	1.83 per HCF
balance		1.88 per HCF
Sewer - 1st	1000 cf	\$0.98 per HCF
next	1000 cf	1.62 per HCF
next	2000 cf	1.82 per HCF
next	4000 cf	2.37 per HCF
next	4000 cf	3.00 per HCF
next	4000 cf	3.02 per HCF
next	4000 cf	3.12 per HCF
balance		3.17 per HCF

MWRA services:	Water and Sewer
Billing frequency:	Semi-annually
Effective date:	7/1/91
Lifeline rate:	Yes
Annual costs	W - \$143.00 S - \$219.60
per family:	Combined - \$362.60
Cost increase:	5.8%

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:	0.0%

Lynnfield Water District

Water - 1st	4000 cf	\$72.00
over	4000 cf	1.32 per HCF

MWRA services:	Water
Billing frequency:	Semi-annually
Effective date:	9/1/91
Lifeline rate:	No
Annual cost:	\$196.80
Cost increase:	20.0%

Malden

Water - 1st 1000 cf \$15.00
 next 4000 cf 0.87 per HCF
 next 70000 cf 1.09 per HCF
 over 75000 cf 1.55 per HCF
Sewer - 1st 1000 cf \$15.00
 next 4000 cf 1.64 per HCF
 next 70000 cf 3.51 per HCF
 over 75000 cf 3.96 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 1/1/91
Lifeline rate: No
Annual costs W - \$121.40 S - \$231.40
 per family: Combined - \$352.80
Cost increase: 14.3%

Marblehead

Water - \$1.50 per HCF Sewer - \$2.10 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$180.00 S - \$252.00
 per family: Combined - \$432.00
Cost increase: -5.3%

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: 0.0%

Medford

Water - \$0.78 per HCF plus 85% MWRA surcharge
Sewer - \$0.59 per HCF plus 274% MWRA surcharge
 based on 75% water usage

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$173.16 S - \$198.59
 per family: Combined - \$371.75
Cost increase: 0.0%

Melrose

Water - 1st 5000 cf \$1.35 per HCF
next 5000 cf 1.50 per HCF
next 5000 cf 1.80 per HCF
over 15000 cf 2.00 per HCF
Sewer - \$2.54 per HCF based on 90% of water usage

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: Yes
Annual costs W - \$165.00 S - \$274.32
per family: Combined - \$439.32
Cost increase: 54.6%

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: 0.0%

Nahant

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

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 7/1/89
Lifeline rate: No
Annual costs W - \$252.00 S - \$288.00
per family: Combined - \$540.00
Cost increase: 0.0%

Natick

Water - \$1.20 per HCF Sewer - \$3.62 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$144.00 S - \$434.40
per family: Combined - \$578.40
Cost increase: 25.5%

Needham

Water - \$0.72 per HCF Sewer - \$2.94 per HCF

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$86.40 S - \$352.80
 per family: Combined - \$439.20
Cost increase: 28.9%

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 - \$159.20 S - \$300.00
 per family: Combined - \$459.20
Cost increase: 0.0%

Northborough

Water - \$1.265 per HCF Sewer - \$1.265 per HCF

MWRA services: Partial Water
Billing frequency: Semi-annually
Effective date: 4/1/91
Lifeline rate: Yes
Annual costs W - \$151.80 S - \$151.80
 per family: Combined - \$303.60
Cost increase: 26.5%

Norwood

Water - 1st 1000 cf \$1.04 per HCF
 over 1000 cf 1.26 per HCF
Sewer - 1st 600 cf \$2.42 per HCF
 over 600 cf 3.71 per HCF
 based on 60% water usage

MWRA services: Water and Sewer
Billing frequency: Bi-monthly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$138.00 S - \$220.68
 per family: Combined - \$358.68
Cost increase: 18.0%

Peabody

Water - 1st 1500 cf \$1.11 per HCF
over 1500 cf 1.19 per HCF
Sewer - 1st 1500 cf \$1.28 per HCF
over 1500 cf 1.38 per HCF

MWRA services: Partial Water
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$138.00 S - \$159.60
per family: Combined - \$297.60
Cost increase: 18.9%

Quincy

Water - 1st 4200 cf \$1.17 per HCF
next 12500 cf 1.19 per HCF
next 12500 cf 1.22 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 - \$3.19 per HCF based on 70% water usage

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$140.40 S - \$267.96
per family: Combined - \$408.36
Cost increase: 4.6%

Randolph

Water - \$1.00 per HCF Sewer - \$2.08 per HCF

MWRA services: Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: Yes
Annual costs W - \$120.00 S - \$249.60
per family: Combined - \$369.60
Cost increase: 32.0%

Reading

Water - \$2.29 per HCF Sewer - \$3.31 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 8/1/91
Lifeline rate: Yes
Annual costs W - \$274.80 S - \$397.20
 per family: Combined - \$672.00
Cost increase: 1.4%

Revere

Water - \$1.00 per HCF Sewer - \$3.45 per HCF

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$120.00 S - \$414.00
 per family: Combined - 534.00
Cost increase: 23.3%

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: 7/1/90
Lifeline rate: No
Annual costs W - \$141.00 S - \$156.00
 per family: Combined - \$297.00
Cost increase: 0.0%

Somerville

Water - 1st 5000 cf \$1.43 per HCF
next 5000 cf 1.50 per HCF
over 10000 cf 1.55 per HCF
Sewer - 1st 5000 cf \$1.74 per HCF
next 5000 cf 1.82 per HCF
over 10000 cf 1.91 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$171.60 S - \$208.80
per family: Combined - \$380.40
Cost increase: 33.7%

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: 0.0%

Southborough

Water - \$2.18 per HCF

MWRA services: Water
Billing frequency: Quarterly
Effective date: 12/90
Lifeline rate: Yes
Annual cost: \$261.60
Cost increase: 20.0%

Stoneham

Water - \$1.50 per HCF Sewer - \$2.94 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$180.00 S - \$352.80
per family: Combined - \$532.80
Cost increase: 26.0%

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: Semi-annually
Effective date: 7/1/89
Lifeline rate: Yes
Annual costs W - \$172.02 S - \$410.40
per family: Combined - \$582.42
Cost increase: 0.0%

Swampscott

Water - \$1.38 per HCF Sewer - \$1.22 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 1/1/92
Lifeline rate: No
Annual costs W - \$165.60 S - \$146.40
per family: Combined - \$312.00
Cost increase: 10.6%

Wakefield

Water - \$1.25 per HCF, plus \$7.00 service charge
Sewer - \$2.80 per HCF, plus \$7.00 service charge

MWRA services: Sewer and Partial Water
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$178.00 S - \$364.00
per family: Combined - \$542.00
Cost increase: 22.3%

Walpole

Water - \$1.72 per HCF
Sewer - 1st 5000 cf \$2.98 per HCF
 over 5000 cf 3.27 per HCF
 based on 80% water usage

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$206.40 S - \$286.08
 per family: Combined - \$492.48
Cost increase: 15.5%

Waltham

Water - 1st 1500 cf/month \$1.05 per HCF
 next 2500 cf/month 1.25 per HCF
 over 4000 cf/month 1.45 per HCF
Sewer - 1st 1500 cf/month \$1.75 per HCF
 next 2500 cf/month 1.80 per HCF
 over 4000 cf/month 1.85 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$126.00 S - \$210.00
 per family: Combined - \$336.00
Cost increase: 19.1%

Watertown

Water - \$1.79 per HCF
Sewer - \$2.92 per HCF based on 85% water usage

MWRA services: Water and Sewer
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$214.80 S - \$297.84
 per family: Combined - \$512.64
Cost increase: 14.8%

Wellesley

Water - \$1.30 per HCF plus \$3.45 base charge
 (over 2500 cf \$2.15 per HCF, summer only)
Sewer - \$2.75 per HCF plus \$3.00 base charge

MWRA service: Sewer and Partial Water
Billing frequency: Bi-monthly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$176.70 S - \$348.00
 per family: Combined - \$524.70
Cost increase: 11.5%

Weston

Water - 1st 10000 cf \$0.90 per HCF
next 10000 cf 1.20 per HCF
over 20000 cf 2.00 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 5/1/89
Lifeline rate: No
Annual costs: 108.00
Cost increase: 0.0%

Westwood

Water - 1st 500 cf \$24.06
over 500 cf 2.70 per HCF
Sewer - base charge \$15.00
1st 2500 cf 2.46 per HCF
next 3750 cf 3.77 per HCF
balance 5.12 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 9/1/90
Lifeline rate: No
Annual costs W - \$366.24 S - \$381.40
per family: Combined - \$747.64
Cost increase: 13.0%

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 - \$150.90 S - \$145.80
per family: Combined - \$296.70
Cost increase: 0.0%

Wilbraham

Water - 1st 10000 cf \$0.90 per HCF
next 10000 cf 1.20 per HCF
over 20000 cf 1.50 per HCF
Sewer - \$2.06 per HCF

MWRA services: Water
Billing frequency: Semi-annually
Effective date: 4/1/90
Lifeline rate: No
Annual costs W - \$108.00 S - \$247.20
per family: Combined - \$355.20
Cost increase: 0.0%

Wilmington

Water - \$2.56 per HCF Sewer - \$3.28 per HCF

MWRA services: Sewer
Billing frequency: Quarterly
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$307.20 S - \$393.60
per family: Combined - \$700.80
Cost increase: 34.0%

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 - \$216.00 S - \$253.20
per family: Combined - \$469.20
Cost increase: 0.0%

Winthrop

Water - \$2.10 per HCF Sewer - \$3.86 per HCF

MWRA services: Water and Sewer
Billing frequency: Quarterly
Effective date: 8/1/91
Lifeline rate: No
Annual costs W - \$252.00 S - \$463.20
per family: Combined - \$715.20
Cost increase: 73.8%

Woburn

Water - \$106.00 per year Sewer - \$166.00 per year

MWRA services: Sewer and Partial Water
Billing frequency: Semi-annually
Effective date: 7/1/91
Lifeline rate: Yes
Annual costs: Combined - \$272.00
Cost increase: 30.7%

Worcester

Water - \$1.37 per HCF
Sewer - \$1.32 per HCF based on 80% water usage

MWRA services: None, but eligible for Water
Billing date: Semi-annually
Effective date: 7/1/91
Lifeline rate: No
Annual costs W - \$164.40 S - \$126.72
per family: Combined - \$291.12
Cost increase: 4.8%

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.