

WATER DEPARTMENT

Significant Information and Statistics

All water consumed in Belmont is supplied by the Massachusetts Water Resources Authority (MWRA) from reservoirs owned and operated by the Metropolitan District Commission (MDC). The Town is under contract with the MWRA and is required to pay for all water supplied to the Town.

Safe Drinking Water Act

During 2003, the water supplied to the Belmont Water Department by the MWRA was in compliance with all Maximum Contaminant Levels (MCL'S) as established by the Safe Drinking Water Act (SDWA). The SDWA defines water quality parameters which are considered safe for human consumption. The SDWA is administered by the U.S. Environmental Protection Agency (USEPA) and enforced by the Commonwealth of Massachusetts Department of Environmental Protection (DEP). Water samples are analyzed on a weekly basis for microbiological contamination and on a periodic basis for organic compounds, heavy metals and pesticides. All tests are performed by the MWRA laboratory or a certified laboratory under contract with the MWRA. Reports are on permanent file at the Water Department Office.

The Department has identified all water service pipes which are either all or partial lead. A program designed to replace these lead pipes was started in 1992 and will continue in 2004.

WATER DISTRIBUTION SYSTEM

System Composition

Types of Pipe:	Ductile Iron, Cast Iron, Galvanized Iron, Copper, Asbestos Cement
Size Range:	1.5 Inch to 16 Inch Diameter
Number of Hydrants:	679
Number of Services:	7,530
Types of Services:	Copper, Brass, Cement Lined Iron, Galvanized Iron, Wrought Iron, Cast Iron
Percentage of Services Metered:	100%

Extent of Main Pipe System 2003

Pipe Diameter	Length in Feet	Percent of System
16 Inch	279	.58
12 Inch	32,272	6.71
10 Inch	62,286	12.94
8 Inch	188,781	39.23
6 Inch	292,101	39.92
2 Inch	4,945	1.02
1.5 Inch	584	.12
Total	481,248	100.00

WATER CONSUMPTION DATA

Average Water Consumption in Millions of Gallons per Day (MGD) **

Month	2002	2003
January	2.054	2.021
February	2.021	2.274
March	1.967	2.276
April	2.021	2.228
May	2.196	2.188
June	2.409	2.257
July	2.027	2.797
August	3.363	2.470
September	2.731	2.390
October	2.425	2.092
November	2.220	1.847
December	2.241	1.840
Average	2.393	2.224

Average Consumption per person per day*

86.71 Gallons 80.56 Gallons

Total Consumption from MWRA**

2001 915,100,000 Gallons

2002 873,500,000 Gallons

2003 811,600,000 Gallons

* Estimated Population of 27,600

** Data supplied by the MWRA

WATER MAIN REPLACEMENT PROGRAM 2003

“Cross Street Project”

The “Cross Street Project,” which will replace approximately 5,000 feet of unlined water main on Cross Street and some lateral streets with a history of significant main breaks, was bid and a contract awarded in late summer 2003. This project is funded by the FY04 appropriation of the zero interest MWRA Local Pipeline Rehabilitation Loan Program. Due to unforeseen circumstances, the contractor was unable to start the project before the onset of climatological winter. This project will start as soon as the construction season begins in 2004. Assuming an appropriation for the Water Main Replacement Program in FY05, another project will be bid and constructed in 2004.

Respectfully submitted,
Robert J. LaPierre, Chairman