

# Commonwealth of Massachusetts

## 1978

### ASSESSMENTS

FOR

INTEREST, SERIAL BONDS

AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS



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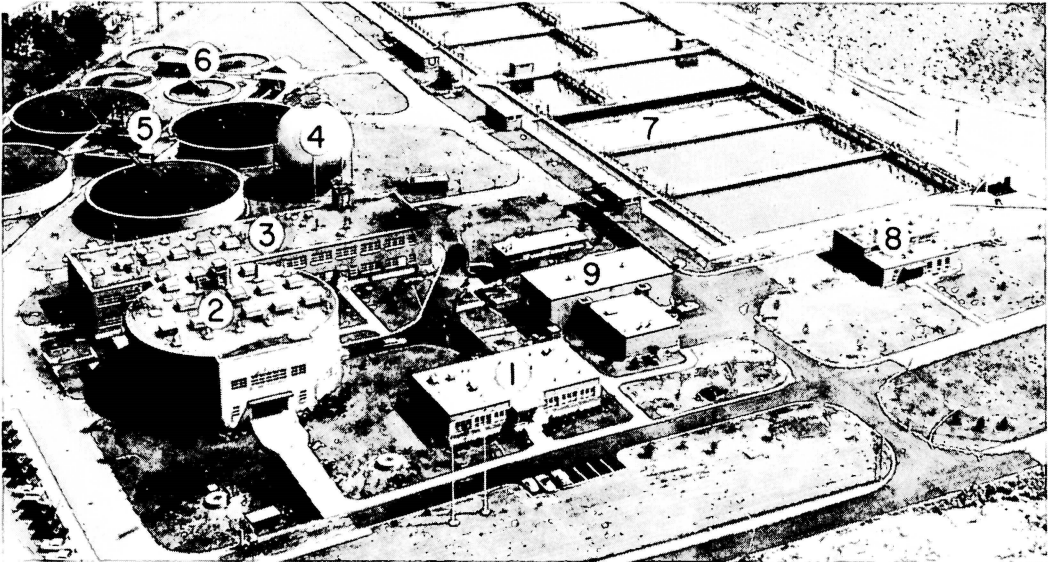
# Commonwealth of Massachusetts

TREASURY DEPARTMENT, SEP. 1, 1978

Under the provisions of Section 11 of Chapter 10 of the General Laws the following computations for annual assessments for interest, serial bonds, and maintenance for 1978 to be paid by the cities and towns, comprising the Metropolitan District are compiled and printed as a public document and herewith submitted.

From September 1, 1977, bonds have been issued as follows:

Metropolitan Recreation and Environmental Loan, Act of 1972 .....	\$3,000,000.00
Metropolitan Parks District Loan, Act of 1974.....	1,000,000.00
Metropolitan Sewer Loan Act of 1972 .....	5,000,000.00



*MAGNITUDE OF MDC DEER ISLAND SEWAGE TREATMENT PLANT is graphically shown in this aerial photo. The complex facilities, credited with alleviating pollution in Boston Harbor and other waterways, consist of (1) administration building and laboratory, (2) pumping station, (3) power plant, (4) storage sphere for sewage gas used to operate the plant, (5) sludge digestion tanks, (6) sludge and scum thickening tanks, (7) sedimentation and settling tanks, each 255 feet long and 103 feet wide, (8) chlorine building and (9) Winthrop Terminal headworks. Not shown are a water storage reservoir to supply cooling water for equipment, reservoir pumping station and an equipment garage.*

### **Metropolitan Sewer**

Chapter 92 of the General Laws, as amended by Chapter 814, Acts of 1975.

SECTION 5. The proportions in which each of the cities and towns included in the metropolitan sewerage district shall annually pay to meet the total interest and principal requirements for each fiscal year on debt incurred for the metropolitan sewerage district system, shall be based on the respective populations of said cities and towns as ascertained by the last preceding state census, and on the population equivalents of the industrial wastes, as defined in Section five A, contributed to that system by the respective cities and towns, as determined by the commission. If less than the whole area of any city or town is included in the metropolitan sewerage district, the population and population equivalents only of that part of the city or town so included, as determined by the commission, shall be used as a basis for determining the proportions to be paid under this section.

SECTION 5A. As used in section five and in this section, "industrial wastes" shall mean wastes discharged to the metropolitan sewerage district system by users who would be subject to the cost-recovery provisions of federal law with respect to any federal grant that might be made for construction of works that will treat such wastes. "Non-industrial wastes" include all other wastes.

The commission shall annually calculate the portions of all federal construction grants awarded after March first, nineteen hundred and seventy-three, that are attributable to treatment of industrial wastes received into the metropolitan sewerage district system from cities and towns served by that system. The commission shall further allocate such portions among the cities and towns so served, in accordance with the population equivalents of their industrial waste flows to the treatment works for which the

federal construction grants were awarded. If federal law permits, the commission may aggregate the industrial waste portions of such grants and allocate such aggregated sum among the cities and towns in proportion to the population equivalents of their industrial waste flows to the metropolitan sewerage district system. The commission shall inform each city and town of its allocated share as determined under this section.

Each member city and town to which a share of cost is thus allocated shall assess its industrial users to recover from them the portions of that share which are attributable to treatment of their wastes. Every municipal program of industrial cost recovery and any amendments thereto shall be subject to the approval of the commission, which shall not be withheld if the program meets requirements of federal law, and, upon request, the commission may assist a city or town in the development and application of appropriate methods of assessment. Such methods may include division of industrial users into classes according to their typical wasteload characteristics.

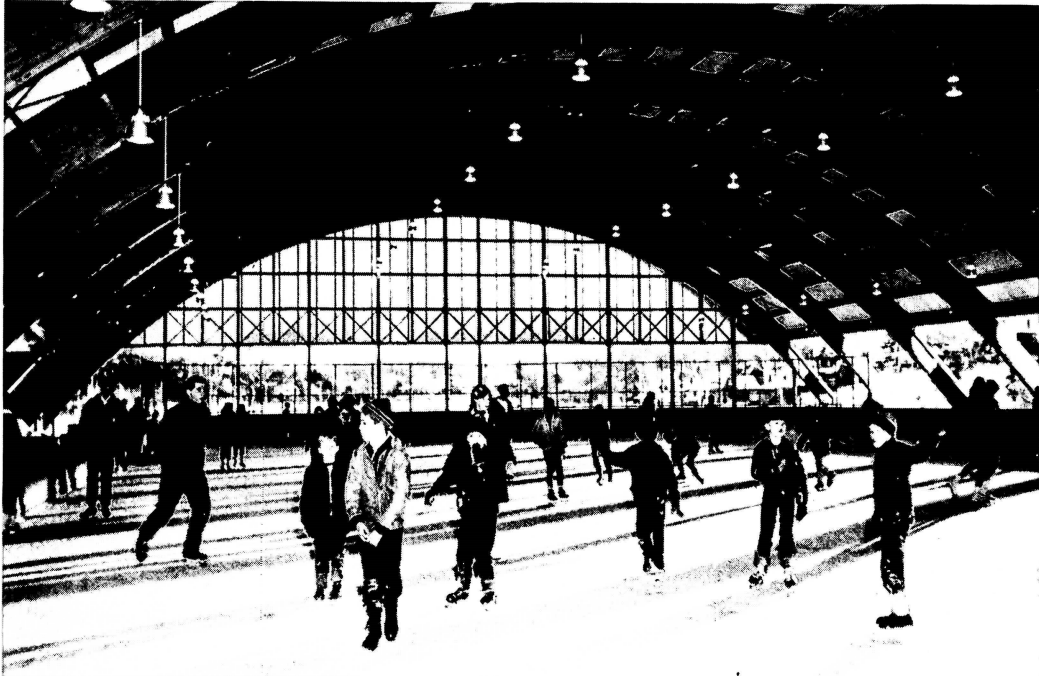
If, within the time allowed for meeting federal grant conditions, any city or town served by the metropolitan sewerage district system fails to establish an acceptable program of industrial cost recovery in accordance with this section, the commission shall establish, and may from time to time alter and amend, an industrial cost recovery program which such city or town shall promptly adopt and implement, pending establishment of its own acceptable program in accordance with the preceding paragraph.

The proceeds of industrial cost recoveries under this section shall be remitted not less than annually, in the form of checks made payable to the commonwealth, to the state treasurer, who shall deposit them in a special fund to be known as the Metropolitan District Commission Wastewater Management Fund. Such fund shall be invested and payments shall be made from it from time to time as may be required by state or federal law, provided that not less than ten per cent of all cost recoveries deposited in the fund, together with interest earned thereon, shall, subject to appropriation, be used to defray administrative expenses of the commission.

**SECTION 5B.** The cost of construction of extensions of the metropolitan sewerage district system to provide service for additional cities and towns, shall be paid by the cities and towns so benefited to the extent that such cost is not met by federal or state construction grants. The annual amounts required to meet payments of principal and interest on debt incurred to finance such construction, as estimated by the state treasurer, and to meet any deficiencies in the amount previously paid in, shall be apportioned among such benefited cities and towns in proportion to the respective additional capacities thereby made available to them by such construction. The proportion to be paid by each city and town benefited may be established by law; provided, however, that if such proportions are not so established they shall be determined by the commission.

**SECTION 6.** The proportions in which the cities and towns included in the metropolitan sewerage district system shall annually pay to meet the total cost of operation and maintenance, including replacement, of the system shall be based on their respective populations contributing to the system, and on the population equivalents of other wastes contributed to the system by the respective cities and towns, as determined by the commission. If less than the whole area of any city or town is included in the metropolitan sewerage district, the contributing population and population equivalents only of that part of the city or town served in the district, as determined by the commission, shall be used as a basis for determining the proportions to be paid under this section. The commission shall annually allocate the cost shares for operation and maintenance, including replacement, among the cities and towns so served. For purposes of this section, "replacement" shall mean such expenditures for obtaining and installing equipment, accessories, or appurtenances during the useful life of treatment works as are necessary to maintain the capacity and performance for which the works are designed and constructed.

Each city and town to which a portion of cost is thus allocated shall adopt and administer a program of user charges requiring all users within its jurisdiction to pay their proportionate shares of such allocation. Every such program and any amendments thereto shall be subject to approval of the commission, which shall not be withheld if the program meets requirements of federal law, and, upon request, the commission may assist a city or town in the development and application of appropriate



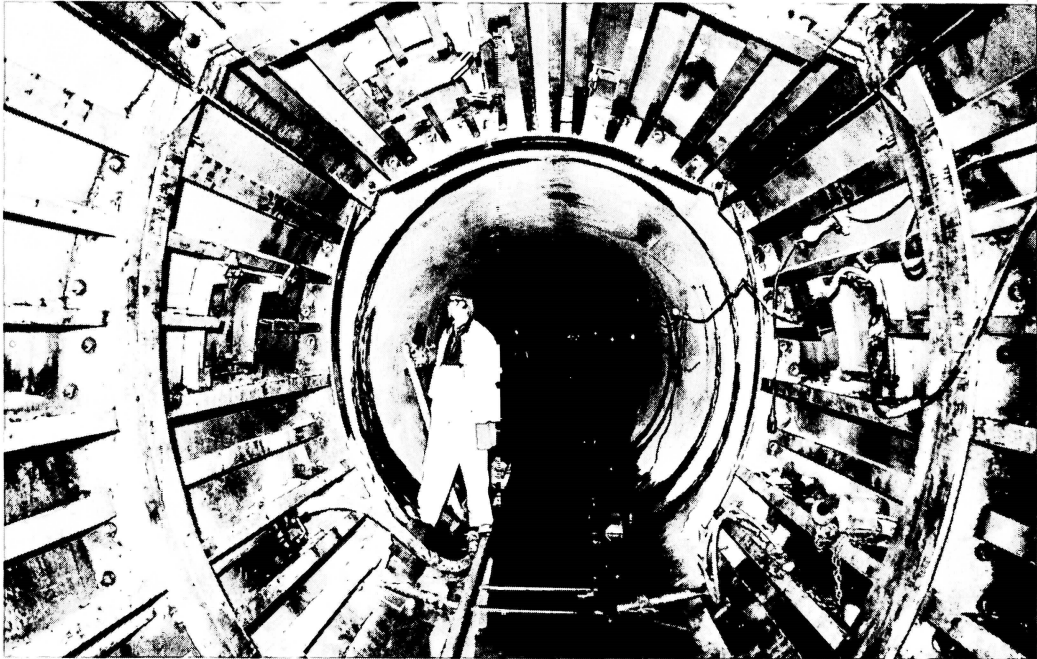
*Over 1,750,000 Greater Bostonians availed themselves last year of inexpensive recreation at the 25 MDC skating rinks. The facilities were used for general skating, hockey and special programs, such as figure skating, school physical education classes and groups of retarded children.*

methods of assessment. Such methods may include division of users into classes according to their typical wasteload characteristics.

If, within the time allowed for meeting federal grant conditions, any city or town served by the metropolitan sewerage district system fails to establish an acceptable program of user charges in accordance with this section, the commission shall establish, and may from time to time alter and amend, a user charge program which such city or town shall adopt and implement, pending establishment of its own acceptable program in accordance with the preceding paragraph.

SECTION 7. On or before September first of each year, the commission, in accordance with sections five, five A, five B, and six, and after consultation with the cities and towns served by the metropolitan sewerage district, shall establish the proportions in which the respective cities and towns shall annually pay money to the Commonwealth to meet interest and principal costs, industrial cost-recovery requirements, and costs of maintenance and operation of the metropolitan system. For these purposes, calculations of industrial waste contributions from each city and town shall be based on current and annually updated industrial waste surveys. Not later than September first of each year the commission shall submit to the officials of such cities and towns the ratios of apportionment so established. Not later than October first of each year the commission shall certify and transmit its determinations to the state treasurer.

SECTION 8. The amount of money required each year from every such city and town to meet the interest and principal requirements and costs aforesaid and the deficiency, if any, shall be estimated by the state treasurer in accordance with the proportions as determined aforesaid by the commission, and shall be included and made a part of the sum charged to such city or town, and shall be paid by the city or town to the commonwealth as provided by section twenty of chapter fifty-nine.



*TYPICAL WATER SUPPLY TUNNEL serving the Metropolitan Water District is the newly-completed deep-rock Dorchester Tunnel, designed to enlarge the distribution system. Big enough to accommodate an automobile, it is 10 feet in diameter, 6.6 miles long and 300 feet below ground level.*

### **Metropolitan Water**

Chapter 92 of the General Laws as inserted by Chapter 723, of the Acts of 1962.

SECTION 1. Section 10 of chapter 92 of the General Laws is hereby amended by striking out paragraph (12), as amended by section 2 of chapter 575 of the acts of 1947, and inserting in place thereof the following paragraph:

(12) All payments made as aforesaid for admission of towns and for furnishing water to water companies, non-member towns, groups of towns, or districts referred to in paragraph (3), and for selling and delivering water, except payments of annual assessments by towns, water companies, non-member towns, groups of towns, or such districts shall be deposited with the state treasurer and credited as other revenue in the metropolitan water district fund, established in accordance with section twenty-five, either by towns, water companies, non-member towns, groups of towns, or such districts, shall be applied as provided in section twenty-six.

SECTION 25. All monies received by the commonwealth on account of the operation of the metropolitan water district, together with the proceeds of bonds issued under the provisions of section twenty-six A shall be credited on the books of the commonwealth to a fund to be known as the metropolitan water district fund, to be expended, subject to appropriation for the purposes of the said metropolitan water district. Assessments received in accordance with section twenty-six, together with the proceeds of bonds issued under the provisions of section twenty-six A, shall comprise the operating revenues of said metropolitan water district fund. So much of said operating revenues, or other revenues credited in accordance with specific statute as are required to meet the debt service requirement of metropolitan water district bonds shall be credited to debt service accounts maintained for each of the metropolitan water district loans, and together with any accrued interest and premiums which may be

received in connection therewith may be expended for debt service costs without further appropriation.

SECTION 25A. The amount of fiscal year charges representing amounts appropriated together with other authorized charges to the metropolitan water district fund, less any amounts of prior appropriations which may revert in accordance with law, shall be determined annually by the comptroller as of the close of each fiscal year.

The comptroller shall certify to the state treasurer the amount by which the fiscal year charges together with the amount of the fund requirements carried forward from the previous fiscal year exceeds the total operating revenues, as defined in section twenty-five and all Section 26, (As amended by Chapter 618 of the Acts of 1953 and Chapter 723, of the Acts of 1962.)

The state treasurer shall, in each year, beginning with the year nineteen hundred and fifty-four, assess the cities and towns that are members of the metropolitan water district and the cities and towns that are eligible to membership and are supplied with water by the district as follows:

—(a) in the case of each city and town that was a member of and took its entire supply from the district at the beginning of the year an amount equal to the rate of two hundred forty dollars per million gallons times its estimated consumption, taken as the number of million gallons of water consumed in the previous calendar year.

SECTION 26. "The Commission shall adjust the rate per million gallons each year by increasing or decreasing it to the next higher or lower multiple, as the case may be, of five dollars per million gallons so that the projected receipts from the water district equal, as nearly as practical, the total cost of interest, principal, sinking fund, maintenance and operation of the water system. The commission shall give due notice to the designated official of each member city and town of any proposed rate change and shall thereafter, in due course, hold a public hearing thereon. Subsequent thereto, the commission shall notify said official of the rate change, as determined by the commission, in January of the year it is to be assessed. The commission shall then, forthwith, certify to the state treasurer such action as has been taken by the commission."

### **Metropolitan Parks**

SECTION 7. Said section 26A of said chapter 92 is hereby further amended by adding at the end the following paragraph:

In any year in which the amount of bonds issued in accordance with the provision of this section exceeds the amount of principal payments in the prior fiscal year on all bonds issued for the construction of the metropolitan water system, excluding bonds issued under the authorization of this section, the state treasurer shall report that fact to the legislature with a draft of legislation designed to change the then existing rate by increasing it to the next higher multiple of five dollars a million gallons.

SECTION 54. The proportions in which each of the towns of the metropolitan parks district, including Cohasset with respect to Nantasket beach reservation only, shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements for each year and any deficiency in the amounts previously paid in, as estimated by the state treasurer, shall be as follows: Boston shall pay as a special assessment sixteen and two thirds percent of the money so required on account of the amount expended for construction of the marginal conduit on the Boston side of the Charles River basin as heretofore determined by the apportionment commission appointed by the supreme judicial court in the year nineteen hundred and ten; Cambridge shall pay as a special assessment sixteen and two thirds per cent of the money so required on account of the amount expended for construction of the marginal conduit on the Cambridge side of the Charles River basin as heretofore determined by the said apportionment commission; and the payment of the balance shall be based upon the respective taxable valuations of the property of said towns of the metropolitan parks district.

SECTION 55. (As amended by Chapter 554 of the Acts of 1949, and Chapter 405 of the Acts of 1968.) The total cost of the maintenance of reservations and boulevards in the metropolitan parks district shall be appropriated in one amount. Of this amount sixty percent shall be paid from the Highway Fund, thirty-nine per cent by assessments on the said parks district and one per cent from

general revenue of the commonwealth. The thirty-nine per cent charged as assessments on the various cities and towns in said parks district shall be based upon one third in proportion to their populations and the remaining two thirds in proportion to their valuations, except that the towns of Cohasset and Swampscott shall each pay only eight per cent of their respective proportions with the remaining ninety-two per cent to be charged against all other cities and towns in said parks district as part of their assessments.

SECTION 57. (As amended by Chapter 197 of the Acts of 1933, and Chapter 554 of the Acts of 1949.) The commission shall annually, in accordance with the provisions of the two preceding sections, determine the proportion in which each of the towns of said district shall annually pay money into the treasury of the commonwealth to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance of reservations, and shall transmit the determination of the commission to the state treasurer.

SECTION 58. The amount of money required each year from every such town to meet the interest, sinking fund and serial or other bond requirements and the cost of maintenance aforesaid, and deficiency, if any, shall be estimated by the state treasurer, in accordance with the proportions determined as aforesaid by said commission, together with any amounts required by law to be specially assessed upon any particular town, and shall be included and made a part of the sum charged to such town, and shall be paid by such town into the state treasury as provided by section twenty of chapter 59.

SECTION 59. (As amended by Chapter 554 of the Acts of 1949.) For the purposes of the four preceding sections, the words "taxable valuations of the property of towns" shall mean taxable valuations of property last established next prior to such apportionment by the general court as a basis of apportionment for state and county taxes. The words "population of the towns" shall mean the population as determined by the latest census, state or national, next prior to such apportionment.

SECTION 59A. Annual assessments for maintenance made in any year upon the cities and towns of each of the metropolitan districts referred to in this chapter, other than the metropolitan sewerage district and the metropolitan water district, shall be payable on November twentieth of such year and shall be based upon seven twelfths of the appropriations for such district for the fiscal year ending with the preceding June thirtieth and five twelfths of such appropriation for the fiscal year immediately following said June thirtieth. Annual assessments to meet the interest, sinking fund and serial or other bond requirements on account of each of such districts other than the metropolitan sewerage district and the metropolitan water district for any year shall be payable on November twentieth of such year and shall be made for the twelve-month period ending November thirtieth of such year, except that annual assessments to meet such serial or other bond requirements on bonds shall be made for the twelve-month period ending January second of the following year.

*ROBERT Q. CRANE*  
Treasurer and Receiver-General

Cities and Towns	Metropolitan Water	Metropolitan Parks and Boulevards	Metropolitan Sewerage System	Total
Arlington	\$ 437,933.52	\$ 565,676.02	\$ 452,140.40	\$ 1,455,749.94
Ashland			72,449.51	72,449.51
Bedford			99,499.66	99,499.66
Belmont	250,176.24	416,217.83	261,624.57	928,018.64
Boston	12,798,714.00	4,258,714.72	6,213,719.06	23,271,147.78
Braintree		531,592.11	344,378.62	875,970.73
Brookline	636,667.44	707,504.83	479,039.42	1,823,211.69
Burlington			220,390.34	220,390.34
Cambridge	5,990.40	935,602.00	1,254,234.07	2,195,826.47
Canton	66,087.36	268,868.48	144,698.20	479,654.04
Chelsea	287,737.68	184,974.99	240,201.18	712,913.85
Cohasset		5,196.71		5,196.71
Dedham		366,508.56	237,814.74	604,323.30
Dover		125,946.77		125,946.77
Everett	657,458.88	576,105.69	395,230.27	1,628,794.84
Framingham			564,106.83	564,106.83
Hingham		279,960.00	49,219.92	329,179.92
Holbrook			42,437.59	42,437.59
Hull		102,614.63		102,614.63
Lexington	425,699.52		271,515.60	697,215.12
Lynn		648,401.25		648,401.25
Lynnfield Water District	34,772.40			34,772.40
Malden	609,980.64	473,806.91	505,018.59	1,588,806.14
Marblehead	203,420.64			203,420.64
Medford	777,551.76	579,032.84	552,098.38	1,908,682.98
Melrose	263,998.32	332,748.32	290,084.53	886,831.17
Milton	252,851.52	353,680.44	238,044.50	844,576.46
Nahant	40,088.64	61,153.50		101,242.14
Natick			256,724.08	256,724.08
Needham	85,892.64	520,760.16	260,677.19	867,329.99
Newton	1,070,768.64	1,150,153.29	812,505.07	3,033,427.00
Norwood	344,022.72		307,446.04	651,468.76
Peabody	24,520.80			24,520.80
Quincy	984,821.04	914,694.99	861,900.53	2,761,416.56
Randolph			191,386.92	191,386.92
Reading			183,297.97	183,297.97
Revere	418,214.64	409,724.59	362,321.71	1,190,260.94
Saugus	318,031.92	336,620.16		654,652.08
Somerville	764,642.88	594,076.32	760,257.98	2,118,977.18
Stoneham	276,816.72	263,345.20	191,830.27	731,992.19
Stoughton			147,183.78	147,183.78
Swampscott	178,524.00	104,011.25		282,535.25
Wakefield	202,723.20	287,234.68	230,055.66	720,013.54
Walpole			242,425.24	242,425.24
Waltham	1,000,879.20	722,787.40	689,220.79	2,412,887.39
Watertown	442,904.88	386,928.69	361,613.93	1,191,447.50
Wellesley		493,048.91	215,594.71	708,643.62
Weston	96,155.04	259,249.51		355,404.55
Westwood		248,659.37	82,243.37	330,902.74
Weymouth		597,321.21	408,188.20	1,005,509.41
Wilmington			81,947.25	81,947.25
Winchester	115,125.60	326,612.10	231,847.96	673,585.66
Winthrop	199,850.40	165,154.90	183,433.37	548,438.67
Woburn			353,483.59	353,483.59
	<u>\$24,273,023.28</u>	<u>\$19,554,689.33</u>	<u>\$20,343,531.59</u>	<u>\$64,171,244.20</u>

## METROPOLITAN WATER DISTRICT

### Metropolitan Water Debt

Gross (and net) debt June 30, 1978

## Bonds Outstanding (serial)

Additional Water, Acts of 1926	\$ 1,320,000.00
Water Use Development Loan (Chapt. 587-1945) (Chapt. 549-1946)	49,261,000.00
Water Main Loan, Act of 1949 (Chapt. 575)	330,000.00
Water Main Loan, Act of 1954 (Chapt. 278)	368,000.00
Water Main Loan, Act of 1957 (Chapt. 711)	742,000.00
Water Main Loan, Act of 1959 (Chapt. 590)	662,000.00
Water Loan, Act of 1950 (Chapt. 660)	5,502,000.00
Water Loan, Act of 1952 (Chapt. 619)	3,520,000.00
Clinton Sewage Loan, Act of 1954 (Chapt. 462)	147,000.00
Met. Water District Additional Loan, Act of 1956 (Chapt. 685)	13,159,000.00
Met. Water District Additional Loan, Act of 1961 (Chapt. 522)	7,380,000.00
Met. Water District Additional Loan, Act of 1962 (Chapt. 654)	7,735,000.00
Met. Water District Additional Loan, Act of 1964 (Chapt. 403)	900,000.00
Met. Water District Additional Loan, Act of 1966 (Chapt. 564)	9,935,000.00
Met. Water District Additional Loan, Act of 1967 (Chapt. 669)	14,745,000.00
Met. Water District Additional Loan, Act of 1971 (Chapt. 982)	2,090,000.00
Water Main Loan, Act of 1967 (Chapt. 622)	50,000.00
Met. Water District Additional Loan, Act of 1968 (Chapt. 521)	1,620,000.00
Met. Water District Act of 1974	<u>3,000,000.00</u>
Total Net Water Debt Due June 30, 1978	<u>\$122,466,000.00</u>

The following information is supplied by the Comptroller's Bureau:

In accordance with the provisions of General Laws, Chapter 92, Section 25A, the following determination of the requirements of the Metropolitan Water District Fund has been made as of June 30, 1978:

Fund Balance July 1, 1977		\$ 5,138,104.69
Fiscal Year Charges		
Appropriations	\$24,468,197.00	
Appropriations of Restricted Revenue	8,554.16	
Expenditures Authorized - Not Appropriated	3,813.00	
Authorized Transfers	2,190,004.21	
Split Appropriation - Other Credits	<u>750.00</u>	
	\$26,671,318.37	
Deduct Reversions		
Appropriations	\$648,704.60	
Accounts Payable	<u>288,192.14</u>	<u>936,896.74</u>
Total Charges		<u>25,734,421.63</u>
Operating Revenues		
Department Revenue	\$ 2,358,583.27	
District and Special Assessment	24,830,282.83	
Transfer Receipts	-0-	
Total Revenue		<u>27,188,866.10</u>
Fund Surplus June 30, 1978		<u><u>\$ 6,592,549.16</u></u>

## METROPOLITAN WATER ASSESSMENTS FOR 1978

Cities and Towns	Total Consumption for 1977 in Mil. Gals.	1977 Charge at \$240 per mil. gals. (Chapt. 1039, Acts of 1973)	Proportion for Computing Share
Arlington	1,824.723	\$ 437,933.52	.018042
Belmont	1,042.401	250,176.24	.010307
Boston	53,327.975	12,798,714.00	.527282
Brookline	2,652.781	636,667.44	.026230
Cambridge 1	24.960	5,990.40	.000247
Canton 1, 2, 3	275.364	66,087.36	.002723
Chelsea	1,198.907	287,737.68	.011855
Everett	2,739.412	657,458.88	.027086
Lexington	1,773.748	425,699.52	.017538
Lynnfield Water District	144.885	34,772.40	.001433
Malden	2,541.586	609,980.64	.025130
Marblehead	847.586	203,420.64	.008381
Medford	3,239.799	777,551.76	.032034
Melrose	1,099.993	263,998.32	.010877
Milton	1,053.548	252,851.52	.010417
Nahant	167.036	40,088.64	.001652
Needham 1, 3	357.886	85,892.64	.003539
Newton	4,461.536	1,070,768.64	.044114
Norwood	1,433.428	344,022.72	.014174
Peabody 1	102.170	24,520.80	.001010
Quincy	4,103.421	984,821.04	.040572
Revere	1,742.561	418,214.64	.017229
Saugus	1,325.133	318,031.92	.013102
Somerville	3,186.012	764,642.88	.031501
Stoneham	1,153.403	276,816.72	.011404
Swampscott	743.850	178,524.00	.007354
Wakefield 1	844.680	202,723.20	.008351
Waltham	4,170.330	1,000,879.20	.041234
Watertown	1,845.437	442,904.88	.018246
Weston 1	400.646	96,155.04	.003961
Winchester 1	479.690	115,125.60	.004742
Winthrop	832.710	199,850.40	.008233
	<u>101,137.597</u>	<u>\$24,273,023.28</u>	<u>1.000000</u>

1. Partial Supply Only.
2. Assessment for Entrance Fee:
 

Canton - Eighth of ten payments	\$11,975.90
Assessment for Water Connection:	55,594.85
Canton - Eighth of ten payments	24,795.84
3. Canton - Additional Payment 2,642.40  
 Needham - Additional payment

No water was discharged into the Charles River during the year 1977 under the provisions of Chap. 603 of the Acts of 1950.

No water was discharged into Bannister Brook during the year 1977 under the provisions of Chap. 557 of the Acts of 1947.

**COMPARISON OF ASSESSMENTS 1977 and 1978  
WITH REVENUE FROM WATER RATES 1977**

Cities and Towns	1977	1978	Water Revenue Received by Cities and Towns 1977
Arlington	\$ 469,917.84	\$ 437,933.52	\$ 1,075,589.33
Belmont	245,637.36	250,176.24	641,063.44
Boston	13,209,518.88	12,798,714.00	17,942,646.00
Brookline	618,924.96	636,667.44	1,587,748.26
Cambridge	45,935.04	5,990.40	2,723,198.00
Canton	63,449.76	66,087.36	353,306.87
Chelsea	324,045.36	287,737.68	635,502.84
Everett	682,950.96	657,458.88	1,088,047.98
Lexington	405,344.88	425,699.52	707,059.00
Lynnfield Water District	36,923.28	34,772.40	120,177.00
Malden	588,214.32	609,980.64	628,541.92
Marblehead	201,089.52	203,420.64	546,055.58
Medford	792,282.48	777,551.76	1,230,356.68
Melrose	283,123.92	263,998.32	356,796.31
Milton	240,914.64	252,851.52	581,157.00
Nahant	36,666.24	40,088.64	77,793.57
Needham	88,134.72	85,892.64	905,185.42
Newton	1,079,023.68	1,070,768.64	2,165,244.25
Norwood	356,984.88	344,022.72	655,031.25
Peabody	136,172.16	24,520.80	764,190.55
Quincy	921,252.96	984,821.04	2,269,125.13
Revere	384,637.92	418,214.64	841,622.00
Saugus	308,333.52	318,031.92	430,658.17
Somerville	791,753.04	764,642.88	1,292,897.06
Stoneham	282,239.52	276,816.72	436,277.39
Swampscott	153,915.60	178,524.00	363,412.18
Wakefield	206,215.20	202,723.20	563,250.16
Waltham	979,257.60	1,000,879.20	2,459,545.17
Watertown	440,888.64	442,904.88	992,985.60
Weston	102,337.92	96,155.04	352,418.09
Winchester	76,631.76	115,125.60	413,663.36
Winthrop	183,757.20	199,850.40	487,228.23
	<u>\$24,736,475.76</u>	<u>\$24,273,023.28</u>	<u>\$45,687,773.79</u>

## METROPOLITAN PARKS DISTRICT

### Metropolitan Parks Debt

Gross (and net) June 30, 1978

Bonds Outstanding (serial):

Neponset River Drainage and Flood Control, Act of 1955 (Ch. 743)	\$ 81,000.00
Neponset River Drainage and Flood Control, Act of 1961 (Ch. 521)	750,000.00
Metropolitan District Beach Erosion Loan, Act of 1956 (Ch. 736)	752,000.00
Charles River Basin Improvement Loan, Act. of 1957 (Ch. 646)	2,074,000.00
Charles River Basin Improvement Loan, Act of 1962 (Ch. 550)	4,890,000.00
Charles River Flood Control Act of 1955 (Ch. 768)	15,000.00
Charles River Flood Control Act of 1961 (Ch. 520)	510,000.00
Metropolitan District Park Loan, Act of 1961 (Ch. 517)	1,325,000.00
Mystic River Dam Loan, Act of 1957 (Ch. 647)	2,748,000.00
Mystic River Dam Loan, Act of 1963 (Ch. 547)	6,990,000.00
Metropolitan District Commission Recreational Loan, Act of 1957 (Ch. 627)	398,000.00
Metropolitan District Commission Recreational Loan, Act of 1959 (Ch. 549)	596,000.00
Metropolitan District Commission Recreational Loan, Act of 1962 (Ch. 704)	825,000.00
Metropolitan District Commission Recreational Loan, Act of 1963 (Ch. 657)	2,100,000.00
Metropolitan District Commission Recreational Loan, Act of 1965 (Ch. 681)	1,360,000.00
Metropolitan District Commission Recreation Loan, Act of 1966 (Ch. 650)	605,000.00
Metropolitan District Commission Recreation Loan, Act of 1968 (Ch. 589)	1,425,000.00
Metropolitan District Commission Recreation Loan, Act of 1970 (Ch. 725)	6,420,000.00
Franklin Park Zoo Improvement Loan, Act of 1965 (Ch. 612)	1,350,000.00
Metropolitan Recreation and Environmental Loan, Act of 1972 (Ch. 803)	17,395,000.00
Charles River Water Quality Loan, Act of 1972 (Ch. 584)	1,800,000.00
Lynn-Nahant Beach Erosion Loan, Act of 1966 (Ch. 576)	250,000.00
Revere Beach Reservation and Nantasket Beach Reservation Loan, Act of 1967 (Ch. 786)	410,000.00
Wollaston Beach, Quincy Shore Res. Loan, Act of 1967	840,000.00
Metropolitan Parks District Loan Act of 1974	2,900,000.00
Boston Harbor Islands Acquisition Loan, Act of 1970 (75%)	1,425,000.00
	\$60,234,000.00

### METROPOLITAN PARKS EXPENSES

Debt Service	Serial Bonds	Interest
Neponset River Drainage and Flood Control, Act of 1955 (Ch. 743)	\$ 53,000.00	\$ 3,332.50
Neponset River Drainage and Flood Control, Act of 1961 (Ch. 521)	100,000.00	24,450.00
Metropolitan District Beach Erosion Loan, Act of 1956 (Ch. 736)	67,000.00	25,706.25
Charles River Basin Improvement Loan, Act of 1962 (Ch. 550)	295,000.00	256,313.75
Charles River Flood Control, Act of 1955 (Ch. 768)	50,000.00	1,837.50
Charles River Basin Improvement Loan, Act of 1957 (Ch. 646)	177,000.00	87,688.75
Charles River Flood Control, Act of 1961 (Ch. 520)	70,000.00	26,452.50
Metropolitan District Park Loan, Act of 1961 (Ch. 517)	270,000.00	45,577.50
Mystic River Dam Loan, Act of 1957 (Ch. 647)	229,000.00	86,876.25
Mystic River Dam Loan, Act of 1963 (Ch. 547)	420,000.00	300,740.00
Metropolitan District Commission Recreational Loan, Act of 1955 (Ch. 731)	50,000.00	1,500.00
Metropolitan District Commission Recreational Loan, Act of 1957 (Ch. 627)	249,000.00	17,967.00
Metropolitan District Commission Recreational Loan Act of 1959 (Ch. 549)	298,000.00	24,038.00
Metropolitan District Commission Recreational Loan, Act of 1962 (Ch. 704)	165,000.00	31,847.50
Metropolitan District Commission Recreational Loan, Act of 1963 (Ch. 657)	250,000.00	85,475.00
Metropolitan District Commission Recreational Loan, Act of 1965 (Ch. 681)	170,000.00	63,690.00
Metropolitan District Commission Recreation Loan, Act of 1966 (Ch. 650)	605,000.00	36,020.00
Metropolitan District Commission Recreation Loan, Act of 1968 (Ch. 589)	325,000.00	70,375.00
Metropolitan District Commission Recreation Loan, Act of 1970 (Ch. 725)	405,000.00	374,252.50
Franklin Park Zoo Improvement Loan, Act of 1965 (Ch. 612)	135,000.00	64,950.00
Lynn-Nahant Beach Erosion Control Project Loan, Act of 1966 (Ch. 576)	15,000.00	14,375.00
Revere and Nantasket Beach Reservation Loan, Act of 1967 (Ch. 786)	30,000.00	22,550.00
Charles River Water Quality Loan, Act of 1972 (Ch. 584)	100,000.00	115,050.00
Metropolitan Recreation and Environmental Loan, Act of 1972 (Ch. 803)	778,274.82	735,062.50
Wollaston Beach, Quincy Shore Reservation Loan, Act of 1967 (Ch. 786)	60,000.00	53,760.00
Metropolitan Parks District Loan 1974	91,091.60	149,941.67
Boston Harbor Islands Acquisition Loan, Act of 1970 (75%)	75,000.00	91,200.00
Interest on Average Monthly Deficit		154,457.00
	\$5,532,366.42	\$2,965,486.17
Maintenance as appropriated by the Legislature		\$ 8,497,852.59
		11,056,836.74
Total Metropolitan Parks Expenses to be assessed		\$19,554,689.33

## METROPOLITAN PARKS DISTRICT RESERVATIONS AND BOULEVARDS

Proportion of Interest, Serial Bonds and Maintenance Requirements as  
Determined by the Metropolitan District Commission

Cities and Towns	1976 Eq. Valuation	Valuation Per Cent Note 1.	Population 1975 Census	Population Per cent	Chapt. 92 Section 55 Note 2.
Arlington	\$ 554,452	.029571	50,223	.025402	.028447
Belmont	428,500	.022853	27,660	.013990	.020089
Boston	3,600,000	.192001	637,986	.322679	.237713
Braintree	544,000	.029013	36,822	.018624	.025792
Brookline	715,000	.038134	53,150	.026882	.034696
Cambridge	875,000	.046667	102,095	.051637	.048774
Canton	276,338	.014738	18,114	.009162	.012996
Chelsea	162,100	.008645	25,066	.012678	.010090
Dedham	371,600	.019819	26,924	.013617	.017924
Dover	137,200	.007317	4,923	.002490	.005770
Everett	590,100	.031472	39,713	.020086	.027929
Hingham	286,100	.015259	19,544	.009885	.013599
Hull	97,370	.005193	10,572	.005347	.005292
Lynn	585,500	.031227	80,240	.040584	.034659
Malden	434,100	.023152	55,814	.028229	.025070
Medford	547,100	.029179	60,702	.030702	.029957
Melrose	320,300	.017083	32,213	.016293	.016973
Milton	356,000	.018987	27,214	.013764	.017403
Nahant	62,600	.003339	4,229	.002139	.002966
Needham	546,600	.029152	29,936	.015141	.024705
Newton	1,156,200	.061664	89,193	.045107	.056656
Quincy	874,000	.046614	91,487	.046272	.046923
Revere	390,800	.020843	41,292	.020884	.021047
Saugus	341,448	.018211	24,716	.012501	.016456
Somerville	520,800	.027776	80,596	.040764	.032397
Stoneham	262,200	.013984	21,564	.010907	.013076
Swampscott	210,200	.011211	14,329	.007247	.000791
Wakefield	280,400	.014955	26,041	.013171	.014494
Waltham	725,000	.038667	56,757	.028706	.035669
Watertown	375,531	.020028	36,075	.018246	.019611
Wellesley	521,400	.027808	26,593	.013450	.023231
Weston	279,700	.014917	11,478	.005805	.011988
Westwood	261,613	.013953	14,019	.007090	.011771
Weymouth	577,147	.030781	56,854	.028755	.030380
Winchester	334,200	.017824	22,672	.011467	.015848
Winthrop	149,300	.007963	20,359	.010297	.008821
	<u>\$18,749,899</u>	<u>1.000000</u>	<u>1,977,155</u>	<u>1.000000</u>	<u>1.000000</u>
Cohasset (note 3) <sup>m</sup>	129,235	.006845		.003922	.00470
	<u>\$18,879,134</u>				

Note 1. Serial Bonds and Interest

Note 2. Maintenance

Note 3. Nantasket Maintenance (8% of its proportion.)

Note 4. Swampscott Maintenance - Ch. 405 of 1968

**METROPOLITAN PARKS DISTRICT RESERVATIONS AND BOULEVARDS  
TOTAL ASSESSMENTS**

<b>Cities and Towns</b>	<b>Serial Bonds</b>	<b>Interest</b>	<b>Maintenance</b>	<b>Total</b>
Arlington	\$ 163,597.61	\$ 87,692.40	\$ 314,386.01	\$ 565,676.02
Belmont	126,431.17	67,770.26	222,016.40	416,217.83
Boston	1,062,219.89	569,376.32	2,627,118.51	4,258,714.72
Braintree	160,510.55	86,037.66	285,043.90	531,592.11
Brookline	210,971.27	113,085.85	383,447.71	707,504.83
Cambridge	258,178.95	138,390.35	539,032.70	935,602.00
Canton	81,536.02	43,705.34	143,627.12	268,868.48
Chelsea	47,827.31	25,636.63	111,511.05	184,974.99
Cohasset			5,196.71	5,196.71
Dedham	109,645.98	58,772.98	198,089.60	366,508.56
Dover	40,480.33	21,698.47	63,767.97	125,946.77
Everett	174,114.64	93,329.79	308,661.26	576,105.69
Hingham	84,418.38	45,250.36	150,291.26	279,960.00
Hull	28,729.58	15,399.77	58,485.28	102,614.63
Lynn	172,759.21	92,603.24	383,038.80	648,401.25
Malden	128,085.35	68,656.94	277,064.62	473,806.91
Medford	161,428.92	86,529.93	331,073.99	579,032.84
Melrose	94,509.42	50,659.41	187,579.49	332,748.32
Milton	105,043.05	56,305.69	192,331.70	353,680.44
Nahant	18,472.58	9,901.76	32,779.16	61,153.50
Needham	161,279.55	86,449.85	273,030.76	520,760.16
Newton	341,147.85	182,863.73	626,141.71	1,150,153.29
Quincy	257,885.72	138,233.17	518,576.10	914,694.99
Revere	115,311.11	61,809.62	232,603.86	409,724.59
Saugus	100,749.92	54,004.46	181,865.78	336,620.16
Somerville	153,667.00	82,369.34	358,039.98	594,076.32
Stoneham	77,364.61	41,469.35	144,511.24	263,345.20
Swampscott*	62,023.35	33,246.06	8,741.84	104,011.25
Wakefield	82,736.53	44,348.84	160,149.31	287,234.68
Waltham	213,920.01	114,666.45	394,200.94	722,787.40
Watertown	110,802.23	59,392.75	216,733.71	386,928.69
Wellesley	153,844.04	82,464.23	256,740.64	493,048.91
Weston	82,526.30	44,236.15	132,487.06	259,249.51
Westwood	77,193.10	41,377.42	130,088.85	248,659.37
Weymouth	170,291.77	91,280.62	335,748.82	597,321.21
Winchester	98,608.89	52,856.82	175,146.39	326,612.10
Winthrop	44,054.23	23,614.16	97,486.51	165,154.90
	<u>\$5,532,366.42</u>	<u>\$2,965,486.17</u>	<u>\$11,056,836.74</u>	<u>\$19,554,689.33</u>

**METROPOLITAN PARKS AND SEWERAGE DISTRICTS  
COMPARISON OF ASSESSMENTS 1977 and 1978**

	Parks 1977	Parks 1978	Sewerage 1977	Sewerage 1978
Arlington	\$ 511,627.69	\$ 565,676.02	\$ 412,113.32	\$ 452,140.40
Ashland			66,107.54	72,449.51
Bedford			79,889.49	99,499.66
Belmont	377,337.35	416,217.83	235,355.45	261,624.57
Boston	3,826,984.36	4,258,714.72	5,674,899.81	6,213,719.06
Braintree	481,792.41	531,592.11	304,399.87	344,378.62
Brookline	640,836.56	707,504.83	436,373.44	479,039.42
Burlington			180,134.85	220,390.34
Cambridge	844,391.15	935,602.00	1,150,361.75	1,254,234.07
Canton	243,732.52	268,868.48	155,806.77	144,698.20
Chelsea	166,470.69	184,974.99	219,072.11	240,201.18
Cohasset	4,479.97	5,196.71		
Dedham	332,024.65	366,508.56	216,483.20	237,814.74
Dover	114,507.23	125,946.77		
Everett	522,159.90	576,105.69	384,840.34	395,230.27
Framingham			508,232.63	564,106.83
Hingham	253,716.61	279,960.00	45,035.17	49,219.92
Holbrook				42,437.59
Hull	92,671.37	102,614.63		
Lexington			246,752.89	271,515.60
Lynn	584,285.71	648,401.25		
Malden	427,226.00	473,806.91	463,735.71	505,018.59
Medford	522,824.58	579,032.84	503,514.11	552,098.38
Melrose	300,702.84	332,748.32	264,436.09	290,084.53
Milton	320,291.38	353,680.44	217,061.33	238,044.50
Nahant	55,425.75	61,153.50		
Natick			225,327.51	256,724.08
Needham	472,567.11	520,760.16	238,082.69	260,677.19
Newton	1,041,508.00	1,150,153.29	743,027.81	812,505.07
Norwood			278,815.87	307,446.04
Quincy	826,324.74	914,694.99	776,057.51	861,900.53
Randolph			170,029.89	191,386.92
Reading			164,988.80	183,297.97
Revere	370,110.36	409,724.59	329,880.28	362,321.71
Saugus	304,955.07	336,620.16		
Somerville	534,655.97	594,076.32	693,694.35	760,257.98
Stoneham	238,359.84	263,345.20	174,539.27	191,830.27
Stoughton			131,890.72	147,183.78
Swampscott	98,753.70	104,011.25		
Wakefield	259,741.56	287,234.68	190,797.05	230,055.66
Walpole			226,807.19	242,425.24
Waltham	654,443.41	722,787.40	639,043.98	689,220.79
Watertown	349,797.84	386,928.69	320,043.43	361,613.93
Wellesley	447,588.40	493,048.91	194,778.94	215,594.71
Weston	235,585.36	259,249.51		
Westwood	225,674.38	248,659.37	73,883.87	82,243.37
Weymouth	539,889.23	597,321.21	368,028.81	408,188.20
Wilmington			75,485.94	81,947.25
Winchester	296,013.64	326,612.10	212,300.12	231,847.96
Winthrop	148,831.40	165,154.90	167,098.68	183,433.37
Woburn			324,654.74	353,483.59
	<u>\$17,668,288.73</u>	<u>\$19,554,689.33</u>	<u>\$18,483,863.32</u>	<u>\$20,343,531.59</u>

## METROPOLITAN SEWERAGE DISTRICT

### Metropolitan Sewerage Debt

Gross (and net) debt June 30, 1978

Bonds Outstanding (serial):

District Sewerage Loan, Act of 1949, (Ch. 606)	\$ 8,544,000.00
Sewerage Loan, Act of 1951 (Ch. 645)	9,919,000.00
Sewerage Loan, North District, Act of 1951 (Ch. 757)	252,000.00
District Sewerage Loan, North System, Act of 1954 (Ch. 452)	248,000.00
Metropolitan District Sewerage Loan, Act of 1954 (Ch. 399)	373,000.00
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	55,000.00
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	15,456,000.00
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	3,120,000.00
Metropolitan District Sewerage Relief Loan, Act of 1962 (Ch. 593)	1,140,000.00
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	1,935,000.00
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	3,140,000.00
Second Metropolitan Sewerage Loan, Act of 1962	6,750,000.00
District Sewerage Loan, Act of 1951 (Ch. 527)	462,000.00
District Sewerage Second Loan, Act of 1951 (Ch. 599)	541,000.00
District Sewerage Loan, Act of 1953 (Ch. 642)	231,000.00
District Sewerage Loan, Act of 1954 (Ch. 580)	171,000.00
District Sewerage Loan, Act of 1955 (Ch. 410)	402,000.00
District Sewerage Loan, Act of 1955 (Ch. 551)	306,000.00
District Sewerage Loan, Act of 1957 (Ch. 710)	373,000.00
District Sewerage Loan, Act of 1957 (Ch. 764)	177,000.00
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	5,145,000.00
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	515,000.00
Metropolitan Sewerage Loan, Act of 1967 (Ch. 837)	6,600,000.00
Metropolitan Sewerage Loan, Act of 1970 (Ch. 745)	5,790,000.00
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1971 (Ch. 881)	5,675,000.00
Metropolitan Sewerage Loan, Act of 1972 (Ch. 803)	8,325,000.00
Metropolitan District Commission Malden Relief Sewerage Loan Act of 1966 (Ch. 478)	870,000.00
Metropolitan District Commission Malden Relief Sewerage Loan, Act of 1969 (Ch. 526)	440,000.00
	\$86,955,000.00

**METROPOLITAN SEWERAGE DISTRICT**  
**METROPOLITAN SEWERAGE EXPENSES**

Debt Service	Serial Bonds	Interest	
District Sewerage Loan, Act of 1949 (Ch. 606)	\$ 697,700.00	\$ 271,896.25	
Sewerage Loan, Act of 1951 (Ch. 645)	681,300.00	250,347.50	
Sewerage Loan, North District, Act of 1951 (Ch. 757)	36,000.00	5,544.00	
District Sewerage Loan, North System Act of 1954 (Ch. 452)	22,400.00	7,542.50	
District Sewerage Loan, North System, Act of 1954 (Ch. 399)	23,100.00	13,055.00	
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	3,500.00	1,925.00	
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	450,800.00	454,927.00	
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	91,000.00	94,505.00	
Metropolitan District Sewerage Loan, Act of 1962 (Ch. 593)	56,000.00	42,900.00	
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	59,500.00	45,325.00	
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	130,000.00	113,798.75	
Second Metropolitan Sewerage Loan, Act of 1962 (Ch. 766)	216,000.00	250,886.25	
District Sewerage Loan, Act of 1951 (Ch. 527)	66,000.00	10,164.00	
District Sewerage Second Loan, Act of 1951 (Ch. 599)	73,000.00	12,438.25	
District Sewerage Loan, Act of 1953 (Ch. 642)	33,000.00	5,082.00	
District Sewerage Loan, Act of 1954 (Ch. 580)	19,000.00	4,441.25	
District Sewerage Loan, Act of 1955 (Ch. 410)	36,900.00	12,038.75	
District Sewerage Loan, Act of 1955 (Ch. 551)	34,000.00	7,947.50	
District Sewerage Loan, Act of 1957 (Ch. 710)	14,766.67	13,055.00	
District Sewerage Loan, Act of 1957 (Ch. 764)	11,900.00	6,195.00	
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	160,000.00	306,220.00	
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	-44,000.00	25,575.00	
Metropolitan Sewerage Loan, Act of 1967 (Ch. 837)	200,000.00	270,600.00	
Metropolitan District Commission Malden Relief Sewer Loan, 1969 (Ch. 526)	20,000.00	24,725.00	
Metropolitan Sewerage Loan, Act of 1970 (Ch. 745)	170,000.00	315,475.00	
Metropolitan District Commission Malden Relief Sewer Loan 1966 (Ch. 478)	45,000.00	48,731.25	
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1971 (Ch. 881)	275,000.00	348,725.00	
Metropolitan Sewerage Loan 1972 (Ch. 803)	625,000.00	478,208.33	
Interest on Average Monthly Deficit		482,617.00	
	<u>\$4,206,866.67</u>	<u>\$3,924,890.58</u>	<u>\$ 8,131,757.25</u>
Maintenance			<u>12,211,774.34</u>
Total Metropolitan Sewerage Expenses			<u>\$20,343,531.59</u>

**METROPOLITAN DISTRICT COMMISSION  
SEWERAGE DIVISION**

**Ratios of Contributions on the Basis of Chap. 814, Acts of 1975, Section 5 & 5A  
and the Census Returns of 1975 as Determined by the  
Metropolitan District Commission, Sewerage Division**

City or Town	Census 1975	Population Equivalent of Major Industries	Total Census and Population Equivalent	Ratios for Principal and Interest Fiscal Year Ending June 30, 1979
Arlington	50.223	0.	50.223	0.021221
Ashland	8.906	3.082	11.988	0.005065
Bedford	12.314	2.470	14.784	0.006247
Belmont	29.150	616	29.766	0.012577
Boston	639.254	50.167	689.421	0.291306
Braintree	36.822	1.389	38.211	0.016146
Brookline	53.150	0	53.150	0.022458
Burlington	24.306	2.176	26.482	0.011190
Cambridge	102.095	37.070	139.165	0.058802
Canton	18.114	2.110	20.224	0.008545
Chelsea	25.066	1.598	26.664	0.011267
Dedham	26.924	1.034	27.958	0.011813
Everett	39.713	4.173	43.886	0.018543
Framingham	65.564	4.912	70.476	0.029779
Hingham	6.555	0	6.555	0.002770
Holbrook	11.849	0	11.849	0.005007
Lexington	32.477	484	32.961	0.013927
Malden	55.814	237	56.051	0.023684
Medford	60.702	626	61.328	0.025913
Melrose	32.213	0	32.213	0.013611
Milton	27.214	285	27.499	0.011619
Natick	31.102	2.617	33.719	0.014248
Needham	29.936	578	30.514	0.012893
Newton	89.183	1.072	90.255	0.038136
Norwood	31.316	2.826	34.142	0.014426
Quincy	91.487	4.173	95.660	0.040420
Randolph	29.206	450	29.656	0.012531
Reading	23.696	0	23.696	0.010012
Revere	41.292	0	41.292	0.017447
Somerville	80.596	3.789	84.385	0.035656
Stoneham	21.564	0	21.564	0.009112
Stoughton	25.717	0	25.717	0.010866
Wakefield	26.041	0	26.041	0.011003
Walpole	18.504	15.951	34.455	0.014559
Waltham	58.667	17.871	76.538	0.032340
Watertown	36.075	4.068	40.143	0.016962
Wellesley	26.593	0	26.593	0.011237
Westwood	14.019	0	14.019	0.005924
Weymouth	56.854	0	56.854	0.024023
Wilmington	17.656	2.238	19.894	0.008406
Winchester	22.672	3.058	25.730	0.010872
Winthrop	20.359	0	20.359	0.008602
Woburn	35.329	9.246	44.575	0.018835
Totals	2,186.289	180.366	2,366.655	1.000000

(1) Belmont: Population included 1,490 at the McLean Hospital.

(2) Boston: Population included 938 at Boston State Hospital and 330 persons at Deer Island.

(3) Hingham: Part of town only included in the system.

(4) Waltham: Population included 1,329 persons at the Metropolitan State Hospital and 581 persons at the Middlesex County Hospital.

**METROPOLITAN DISTRICTS COMMISSION  
SEWERAGE DIVISION**

Ratios of Contributions on the Basis of Chapter 814, Acts of 1975  
Section 6 and the Contributing Population as determined by the  
Metropolitan District Commission, Sewerage Division

City or Town	Contributing Population	Population Equivalent of Major Industries	Total Contributing Population and Population Equivalent	Ratios for Operation and Maintenance Fiscal Year Ending June 30, 1979
Arlington	50,129	0	50,129	0.022894
Ashland	2,523	3,082	5,605	0.002560
Bedford	6,263	2,470	8,733	0.003988
Belmont	27,956	616	28,572	0.013049
Boston	639,232	50,167	689,399	0.314851
Braintree	36,817	1,389	38,206	0.017449
Brookline	53,149	0	53,149	0.024273
Burlington	21,026	2,176	23,202	0.010596
Cambridge	102,082	37,070	139,152	0.063551
Canton	11,367	2,110	13,486	0.006159
Chelsea	25,042	1,598	26,640	0.012167
Dedham	24,383	1,034	25,417	0.011608
Everett	39,656	4,173	43,829	0.020017
Framingham	52,814	4,912	57,726	0.026364
Hingham	4,786	0	4,786	0.002186
Holbrook	308	0	308	0.000141
Lexington	27,894	484	28,378	0.012960
Malden	55,783	237	56,020	0.025584
Medford	60,584	626	61,210	0.027955
Melrose	32,167	0	32,167	0.014691
Milton	25,456	285	25,741	0.011756
Natick	22,640	2,617	25,257	0.011535
Needham	27,363	578	27,941	0.012761
Newton	89,009	1,072	90,081	0.041140
Norwood	31,265	2,826	34,091	0.015570
Quincy	91,433	4,173	95,606	0.043664
Randolph	15,596	450	16,046	0.007328
Reading	18,267	0	18,267	0.008343
Revere	39,527	0	39,527	0.018052
Somerville	80,539	3,789	84,328	0.038513
Stoneham	21,109	0	21,109	0.009641
Stoughton	10,547	0	10,547	0.004817
Wakefield	25,207	0	25,207	0.011512
Walpole	6,288	15,951	22,239	0.010157
Waltham	58,555	17,871	76,426	0.034904
Watertown	36,039	4,068	40,107	0.018317
Wellesley	22,273	0	22,273	0.010172
Westwood	6,109	0	6,109	0.002790
Weymouth	38,163	0	38,163	0.017429
Wilmington	199	2,238	2,437	0.001113
Winchester	22,660	3,058	25,718	0.011746
Winthrop	20,349	0	20,349	0.009293
Woburn	26,673	9,246	35,919	0.016404
	<u>2,009,236</u>	<u>180,366</u>	<u>2,189,602</u>	<u>1.000000</u>

(1) HOLBROOK: Population adjusted - started contributing on September 9, 1977.

**METROPOLITAN SEWERAGE DISTRICT**  
**Total Assessments**

Cities and Towns	Serial Bonds	Interest	Maintenance	Total
Arlington	\$ 89,273.92	\$ 83,290.11	\$ 279,576.37	\$ 452,140.40
Ashland	21,307.78	19,879.58	31,262.15	72,449.51
Bedford	26,280.30	24,518.80	48,700.56	99,499.66
Belmont	52,909.77	49,363.35	159,351.45	261,624.57
Boston	1,225,485.51	1,143,344.18	3,844,889.37	6,213,719.06
Braintree	67,924.07	63,371.29	213,083.26	344,378.62
Brookline	94,477.82	88,145.20	296,416.40	479,039.42
Burlington	47,074.84	43,919.53	129,395.97	220,390.34
Cambridge	247,372.18	230,791.42	776,070.47	1,254,234.07
Canton	35,947.68	33,538.20	75,212.32	144,698.20
Chelsea	47,398.77	44,221.75	148,580.66	240,201.18
Dedham	49,695.72	46,364.74	141,754.28	237,814.74
Everett	78,007.93	72,779.25	244,443.09	395,230.27
Framingham	125,276.29	116,879.32	321,951.22	564,106.83
Hingham	11,653.03	10,871.95	26,694.94	49,219.92
Holbrook	21,063.79	19,651.93	1,721.87	42,437.59
Lexington	58,589.04	54,661.96	158,264.60	271,515.60
Malden	99,635.44	92,957.11	312,426.04	505,018.59
Medford	109,012.54	101,705.68	341,380.16	552,098.38
Melrose	57,259.67	53,421.68	179,403.18	290,084.53
Milton	48,879.59	45,603.30	143,561.61	238,044.50
Natick	59,939.43	55,921.84	140,862.81	256,724.08
Needham	54,239.13	50,603.61	155,834.45	260,677.19
Newton	160,433.06	149,679.62	502,392.39	812,505.07
Norwood	60,688.25	56,620.47	190,137.32	307,446.04
Quincy	170,041.55	158,644.07	533,214.91	861,900.53
Randolph	52,716.24	49,182.80	89,487.88	191,386.92
Reading	42,119.14	39,296.00	101,882.83	183,297.97
Revere	73,397.20	68,477.56	220,446.95	362,321.71
Somerville	150,000.03	139,945.89	470,312.06	760,257.98
Stoneham	38,332.96	35,763.60	117,733.71	191,830.27
Stoughton	45,711.81	42,647.86	58,824.11	147,183.78
Wakefield	46,288.15	43,185.57	140,581.94	230,055.66
Walpole	61,247.77	57,142.48	124,034.99	242,425.24
Waltham	136,050.06	126,930.96	426,239.77	689,220.79
Watertown	71,356.87	66,573.99	223,683.07	361,613.93
Wellesley	47,272.56	44,103.99	124,218.16	215,594.71
Westwood	24,921.47	23,251.05	34,070.85	82,243.37
Weymouth	101,061.55	94,287.64	212,839.01	408,188.20
Wilmington	35,362.92	32,992.63	13,591.70	81,947.25
Winchester	45,737.05	42,671.41	143,439.50	231,847.96
Winthrop	36,187.46	33,761.90	113,484.01	183,433.37
Woburn	79,236.33	73,925.31	200,321.95	353,483.59
	<u>\$4,206,866.67</u>	<u>\$3,924,890.58</u>	<u>\$12,211,774.34</u>	<u>\$20,343,531.59</u>

## STATEMENT OF DEBTS OF THE METROPOLITAN DISTRICT

Net Debt June 30, 1978	Metropolitan Sewerage	Metropolitan Water	Metropolitan Parks	Total
Arlington	\$ 1,845,272.06	\$ 2,209,531.58	\$ 1,781,179.62	\$ 5,835,983.26
Ashland	440,427.08			440,427.08
Bedford	543,207.89			543,207.89
Belmont	1,093,633.04	1,262,257.07	1,376,527.61	3,732,417.72
Boston	25,330,513.24	64,574,117.42	11,564,988.24	101,469,618.90
Braintree	1,403,975.44		1,747,569.05	3,151,544.49
Brookline	1,952,835.40	3,212,283.19	2,296,963.36	7,462,081.95
Burlington	973,026.46			973,026.46
Cambridge	5,113,127.92	30,249.11	2,810,940.08	7,954,317.11
Canton	743,030.48	333,474.92	887,728.70	1,964,234.10
Chelsea	979,721.99	1,451,834.44	520,722.94	2,952,279.37
Dedham	1,027,199.41		1,193,777.65	2,220,977.06
Dover			440,732.18	440,732.18
Everett	1,612,406.56	3,317,114.08	1,895,684.45	6,825,205.09
Framingham	2,589,432.94			2,589,432.94
Hingham	240,865.35		919,110.61	1,159,975.96
Holbrook	435,383.68			435,383.68
Hull			312,795.17	312,795.17
Lexington	1,211,022.28	2,147,808.71		3,358,830.99
Lynn			1,880,927.12	1,880,927.12
Lynnfield Water District		175,493.78		175,493.78
Malden	2,059,442.22	3,077,570.59	1,394,537.57	6,531,550.38
Marblehead		1,026,387.55		1,026,387.55
Medford	2,253,264.91	3,923,075.84	1,757,567.89	7,933,908.64
Melrose	1,183,544.50	1,332,062.68	1,028,977.43	3,544,584.61
Milton	1,010,330.14	1,275,728.32	1,143,662.95	3,429,721.41
Nahant		202,313.83	201,121.32	403,435.15
Natick	1,238,934.84			1,238,934.84
Needham	1,121,110.81	433,407.17	1,755,941.56	3,310,459.54
Newton	3,316,115.88	5,402,465.12	3,714,269.37	12,432,850.37
Norwood	1,254,412.83	1,735,833.08		2,990,245.91
Peabody		123,690.66		123,690.66
Quincy	3,514,721.10	4,968,690.55	2,807,747.67	11,291,159.32
Randolph	1,089,633.10			1,089,633.10
Reading	870,593.46			870,593.46
Revere	1,517,103.88	2,109,966.71	1,255,457.26	4,882,527.85
Saugus		1,604,549.53	1,096,921.37	2,701,470.90
Somerville	3,100,467.48	3,857,801.46	1,673,059.58	8,631,328.52
Stoneham	792,333.96	1,396,602.26	842,312.25	3,031,248.47
Stoughton	944,853.03			944,853.03
Swampscott		900,614.96	675,283.37	1,575,898.33
Wakefield	956,765.86	1,022,713.56	900,799.47	2,880,278.89
Walpole	1,265,977.84			1,265,977.84
Waltham	2,812,124.70	5,049,763.04	2,329,068.07	10,190,955.81
Watertown	1,474,930.71	2,234,514.63	1,206,366.55	4,915,811.89
Wellesley	977,113.33		1,674,987.07	2,652,100.40
Weston		485,087.82	898,510.57	1,383,598.39
Westwood	515,121.42		840,445.00	1,355,566.42
Weymouth	2,088,919.96		1,854,062.75	3,942,982.71
Wilmington	730,943.73			730,943.73
Winchester	945,374.76	580,733.77	1,073,610.81	2,599,719.34
Winthrop	747,986.91	1,008,262.57	479,643.34	2,235,892.82
Woburn	1,637,797.42			1,637,797.42
	\$86,955,000.00	\$122,466,000.00	\$60,234,000.00	\$269,655,000.00

# City of Cambridge

5-296

1978 Assessments for the Commonwealth of  
Massachusetts for interest, serial bonds and  
maintenance of the Metropolitan Districts.

In City Council,  
May 21, 1979

5/21/79

Placed  
DH

File -