

# Commonwealth of Massachusetts

1981

## ASSESSMENTS

FOR

INTEREST, SERIAL BONDS

AND MAINTENANCE

OF THE

METROPOLITAN DISTRICTS



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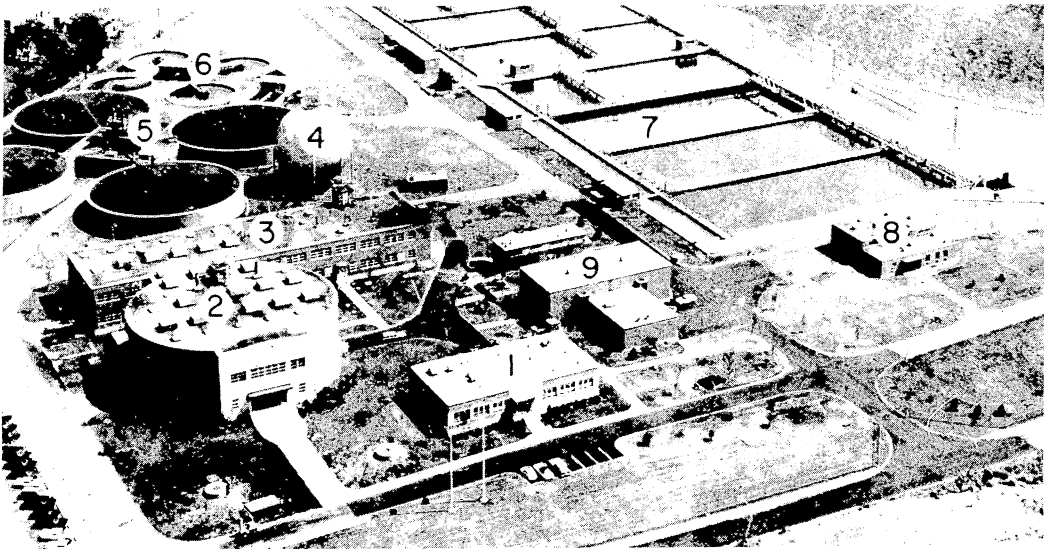
# Commonwealth of Massachusetts

TREASURY DEPARTMENT, SEPT. 1, 1981

Under the provisions of Section 11 of Chapter 10 of the General Laws the following computation for annual assessments for interest, serial bonds, and maintenance for 1981 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 1980, bonds have been issued as follows:

Boston Harbor Islands Acquisition Loan, Act of 1970 . . . . .	\$550,000.00
MDC Somerville Marginal Conduit Loan, Act of 1966 . . . . .	\$120,000.00
Charles River Basin Improvement Loan, Act of 1957 . . . . .	\$300,000.00
Revere Beach Reservations and Nantasket Beach Reservation Loan, Act of 1967 . . . .	\$110,000.00



*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



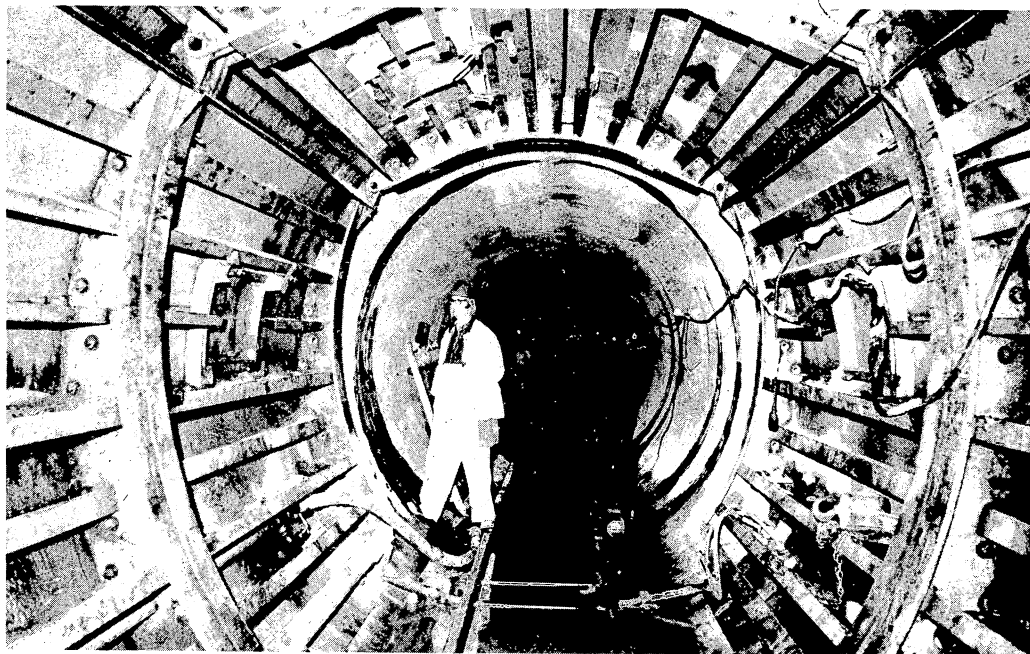
*Over 1,750,000 Greater Bostonians availed themselves last year of inexpensive recreation at the 25 MDC skating rinks. The facilities were used for general skating, hockey and special programs, such as figure skating, school physical education classes and groups of retarded children.*

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	Parks and Boulevards	Metropolitan Sewerage System	Total
Arlington	\$ 418,431.12	\$ 534,959.53	\$ 549,611.72	\$ 1,503,002.37
Ashland			81,937.29	81,937.29
Bedford			186,879.96	186,879.96
Belmont	265,411.20	386,636.01	278,323.71	930,370.92
Boston	11,879,750.88	4,004,184.41	7,935,183.48	23,819,118.77
Braintree		500,758.10	423,893.95	924,652.05
Brookline	628,429.20	651,592.88	623,218.15	1,903,240.23
Burlington			271,637.38	271,637.38
Cambridge	6,157.20	908,258.54	1,489,721.98	2,404,137.72
Canton	127,436.64	248,318.74	192,144.32	567,899.70
Chelsea	296,596.32	137,766.48	308,705.62	743,068.42
Cohasset		4,819.36		4,819.36
Dedham		331,996.97	266,824.53	598,821.50
Dover		128,413.13		128,413.13
Everett	743,587.20	573,161.25	566,748.90	1,883,497.35
Framingham			718,064.15	718,064.15
Hingham		291,039.95	63,230.16	354,270.11
Holbrook			52,855.24	52,855.24
Hull		90,611.98		90,611.98
Lexington	509,430.48		385,855.24	895,285.72
Lynn		557,263.45		557,263.45
Lynnfield Water District	38,435.52			38,435.52
Malden	477,347.52	396,682.98	621,585.60	1,495,616.10
Marblehead	189,845.04			189,845.04
Medford	788,708.16	580,084.69	687,179.21	2,055,972.06
Melrose	247,218.48	298,157.01	353,428.68	898,804.17
Milton	261,782.40	301,900.34	285,941.51	849,624.25
Nahant	34,853.76	59,995.56		94,849.32
Natick			309,928.43	309,928.43
Needham	94,795.68	479,875.92	311,135.54	885,807.14
Newton	976,132.80	1,276,177.22	1,003,154.08	3,255,464.10
Norwood	381,734.40		377,973.05	759,707.45
Peabody	203,961.60			203,961.60
Quincy	1,029,568.80	808,355.93	1,061,742.84	2,899,667.57
Randolph			268,708.02	268,708.02
Reading			231,183.59	231,183.59
Revere	407,784.48	339,898.88	463,266.04	1,210,949.40
Saugus	332,072.40	314,039.52		646,111.92
Somerville	860,706.00	514,318.73	901,465.96	2,276,490.69
Stoneham	314,396.64	234,250.31	241,681.05	790,328.00
Stoughton			189,226.87	189,226.87
Swampscott	172,795.20	99,321.93		272,117.13
Wakefield	144,019.92	284,725.94	288,337.20	717,083.06
Walpole			249,372.43	249,372.43
Waltham	1,010,150.64	700,131.00	889,493.79	2,599,775.43
Watertown	414,605.04	406,482.95	411,201.71	1,232,289.70
Wellesley		506,499.54	278,279.15	784,778.69
Weston	100,120.80	279,593.28		379,714.08
Westwood		243,041.24	96,986.14	340,027.38
Weymouth		518,249.25	520,757.05	1,039,006.30
Wilmington			127,590.84	127,590.84
Winchester	266,161.92	324,223.26	229,506.43	819,891.61
Winthrop	182,896.08	153,818.38	222,558.94	559,273.40
Woburn	92,490.72		493,869.18	586,359.90

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\$67,877,807.99

## METROPOLITAN WATER DISTRICT

### METROPOLITAN WATER DEBT

Gross (and net) debt June 30, 1981

Bonds Outstanding (serial):

Additional Water, Acts of 1926	\$ 160,000.00
Water Use Development Loan (Chapt. 587-1945) (Chapt. 549-1946)	39,063,000.00
Water Main Loan, Act of 1954 (Chapt. 278)	209,000.00
Water Main Loan, Act of 1957 (Chapt. 711)	518,000.00
Water Main Loan, Act of 1959 (Chapt. 590)	515,000.00
Water Loan, Act of 1950 (Chapt. 660)	4,341,000.00
Water Loan, Act of 1952 (Chapt. 619)	3,055,000.00
Clinton Sewage Loan, Act of 1954 (Chapt. 462)	84,000.00
Met. Water District Additional Loan, Act of 1956 (Chapt. 685)	11,924,000.00
Met. Water District Additional Loan, Act of 1961 (Chapt. 522)	6,780,000.00
Met. Water District Additional Loan, Act of 1962 (Chapt. 654)	7,090,000.00
Met. Water District Additional Loan, Act of 1964 (Chapt. 403)	750,000.00
Met. Water District Additional Loan, Act of 1966 (Chapt. 564)	9,215,000.00
Met. Water District Additional Loan, Act of 1967 (Chapt. 669)	16,530,000.00
Met. Water District Additional Loan, Act of 1971 (Chapt. 982)	1,865,000.00
Met. Water District Additional Loan, Act of 1968 (Chapt. 521)	1,200,000.00
Met. Water District, Act of 1974	900,000.00
Met. Water District Loan, Act of 1972 (Chapt 803)	3,430,000.00
Met. Water District Additional Loan, Act of 1970 (75%)	3,135,000.00
Met. Water District, Act of 1976	<u>950,000.00</u>
	<u>\$111,714,000.00</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 as of June 30, 1981:

Fund Balance July 1, 1980			\$ 8,741,993.53
Fiscal Year Charges			
Appropriations	\$25,846,593.65		
Appropriations of Restricted Revenue	457,904.00		
Expenditures Authorized - Not Appropriated			
Authorized Transfers	2,904,524.13		
Split Appropriation - Net	<u>(16,213.75)</u>		
	\$29,192,808.03		
Deduct Reversions			
Appropriations	\$ 380,468.80		
Accounts Payable	<u>151,569.23</u>	<u>532,038.03</u>	\$ 28,660,770.00
Total Charges			\$ 19,918,776.47
Operating Revenues			
Departmental Revenue	\$ 3,759,274.16		
District and Special Assessment	23,657,252.40		
Transfer Receipts	<u>457,904.00</u>		
Total Revenue			<u>\$ 27,874,430.56</u>
Funds Surplus June 30, 1981			<u>\$ 7,955,654.09</u>

Very truly yours,

Deputy Comptroller

## METROPOLITAN WATER ASSESSMENTS FOR 1981

Cities and Towns	Calendar Year 1980 Consumption Mil.Gals.	1980 Charge at \$240 per mil. gals. (Chapt. 1039, Acts of 1973)	Proportion for Computing Share
Arlington	1,743.463	\$ 418,431.12	.01751
Belmont	1,105.880	265,411.20	.01111
Boston	49,498.962	11,879,750.88	.49711
Brookline	2,618.455	628,429.20	.02630
Cambridge 1	25.655	6,157.20	.00026
Canton 1,2	530.986	127,436.64	.00533
Chelsea	1,235.818	296,596.32	.01241
Everett	3,098.280	743,587.20	.03112
Lexington	2,122.627	509,430.48	.02132
Lynnfield Water District	160.148	38,435.52	.00161
Malden	1,988.948	477,347.52	.01998
Marblehead	791.021	189,845.04	.00794
Medford	3,286.284	788,708.16	.033
Melrose	1,030.077	247,218.48	.01035
Milton	1,090.760	261,782.40	.01095
Nahant	145.224	34,853.76	.00146
Needham 1	394.982	94,795.68	.00396
Newton	4,067.220	976,132.80	.04085
Norwood	1,590.560	381,734.40	.01597
Peabody 1	849.840	203,961.60	.00853
Quincy	4,289.870	1,029,568.80	.04308
Revere	1,699.102	407,784.48	.01706
Saugus	1,383.635	332,072.40	.01389
Somerville	3,586.275	860,706.00	.03602
Stoneham	1,309.986	314,396.64	.01315
Swampscott	719.980	172,795.20	.00723
Wakefield 1	600.083	144,019.92	.00603
Waltham	4,208.961	1,010,150.64	.04227
Watertown	1,727.521	414,605.04	.01735
Weston 1	417.170	100,120.80	.00419
Winchester 1	1,109.008	266,161.92	.01114
Winthrop	762.067	182,896.08	.00765
Woburn 1	385.378	92,490.72	.00387
	<u>99,574.226</u>	<u>23,897,814.24</u>	<u>1.00000</u>

1. Partial Supply Only.

2. Assessment for Entrance Fee

Woburn: Ninth of Ten Payments	268,922.00
Assessment for Water Connection:	
Woburn: Ninth of Ten Payments	26,892.20

No water was discharged into Charles River during the year 1980 under the provisions of Chap. 603 of the Acts of 1950.

No water was discharged into Bannister Brook during the year 1980 under the provisions of Chap. 557 of the Acts of 1947.

**COMPARISON OF ASSESSMENTS 1980 and 1981  
WITH REVENUE FROM WATER RATES 1980**

CITIES AND TOWNS	WATER REVENUES RECEIVED BY CITIES AND TOWNS 1980		
	1980	1981	
Arlington	\$ 416,875.92	\$ 418,431.12	\$ 1,135,520.73
Belmont	260,159.52	265,411.20	701,951.37
Boston	11,993,466.50	11,879,750.88	30,964,960.00
Brookline	660,221.28	628,429.20	1,886,169.70
Cambridge		6,157.20	2,864,210.51
Canton	106,293.12	127,436.64	410,293.45
Chelsea	276,822.00	296,596.32	628,499.64
Everett	742,561.68	743,587.20	1,245,927.46
Lexington	463,337.28	509,430.48	939,161.29
Lynnfield Water District	36,917.28	38,435.52	127,319.00
Malden	536,283.12	477,347.52	1,075,605.34
Marblehead	197,867.52	189,845.04	647,906.16
Medford	764,844.72	788,708.16	1,053,603.75
Melrose	270,425.76	247,218.48	628,271.95
Milton	272,916.96	261,782.40	829,083.14
Nahant	37,900.32	34,853.76	77,259.40
Needham	95,747.28	94,795.68	965,525.00
Newton	914,531.52	976,132.80	1,883,708.71
Norwood	359,556.00	381,734.40	722,860.32
Peabody	43,300.80	203,961.60	1,045,436.23
Quincy	1,027,895.76	1,029,568.80	3,238,167.50
Revere	445,945.92	407,784.48	618,796.57
Saugus	352,282.56	332,072.40	496,003.50
Somerville	828,801.84	860,706.00	1,481,839.34
Stoneham	340,806.48	314,396.64	432,572.68
Swampscott	182,548.80	172,795.20	359,482.94
Wakefield	140,863.20	144,019.92	551,664.25
Waltham	1,004,292.72	1,010,150.64	2,929,774.00
Watertown	397,387.44	414,605.04	937,000.00
Weston	91,258.80	100,120.80	323,750.10
Winchester	78,482.64	266,161.92	505,059.96
Winthrop	183,065.04	182,896.08	482,196.74
Woburn	46,022.40	92,490.72	618,553.63
	<u>\$23,569,681.68</u>	<u>\$23,897,814.24</u>	<u>\$62,808,134.36</u>

## METROPOLITAN PARKS DISTRICT

### METROPOLITAN PARKS DEBT

Gross (and net) debt June 30, 1980

Bonds Outstanding (serial):

Neponset River Drainage and Flood Control, Act of 1961 (Ch. 521)	\$ 450,000.00
Metropolitan District Beach Erosion Loan, Act of 1956 (Ch. 736)	551,000.00
Charles River Basin Improvement Loan, Act of 1957 (Ch. 646)	1,548,000.00
Charles River Basin Improvement Loan, Act of 1962 (Ch. 550)	4,315,000.00
Charles River Flood Control Act of 1961 (Ch. 520)	690,000.00
Metropolitan District Park Loan Act of 1961 (Ch. 517)	515,000.00
Mystic River Dam Loan, Act of 1957 (Ch. 647)	2,061,000.00
Mystic River Dam Loan, Act of 1963 (Ch. 547)	5,740,000.00
Metropolitan District Commission Recreational Loan, Act of 1962 (Ch. 704)	330,000.00
Metropolitan District Commission Recreational Loan, Act of 1963 (Ch. 657)	1,350,000.00
Metropolitan District Commission Recreational Loan, Act of 1965 (Ch. 681)	850,000.00
Metropolitan District Commission Recreational Loan, Act of 1968 (Ch. 589)	450,000.00
Metropolitan District Commission Recreational Loan, Act of 1970 (Ch. 725)	5,205,000.00
Franklin Park Zoo Improvement Loan, Act of 1965 (Ch. 612)	945,000.00
Metropolitan Recreation and Environmental Loan, Act of 1972 (Ch. 803)	14,500,000.00
Charles River Water Quality Loan, Act of 1972 (Ch. 584)	2,380,000.00
Lynn-Nahant Beach Erosion Loan, Act of 1966 (Ch. 576)	205,000.00
Revere Beach Reservation and Nantasket Beach Reservation Loan, Act of 1967 (Ch. 786)	430,000.00
Wollaston Beach, Quincy Shore Res. Loan, Act of 1967	660,000.00
Metropolitan Parks District Loan, Act of 1974	6,050,000.00
Boston Harbor Islands Acquisition Loan, Act of 1970 (75%)	1,965,000.00
Metropolitan Parks District Loan, Act of 1976 (Ch. 481)	4,175,000.00
Revere Beach Improvement Loan, Act of 1975 (Ch. 841)	4,500,000.00
Metropolitan Parks District Loan, Act of 1978	2,850,000.00
Met. Dist. Commission Somerville Marginal Conduit Loan, Act of 1966	120,000.00
	\$62,835,000.00

## METROPOLITAN PARKS EXPENSES

DEBT SERVICE	SERIAL BONDS	INTEREST	
Metropolitan District Commission Somerville Marginal Conduit Loan, Act of 1966 (Ch. 631)	\$ 10,000.00	\$ 9,432.54	
Neponset River Drainage and Flood Control, Act of 1961 (Ch. 521)	100,000.00	14,700.00	
Metropolitan District Beach Erosion Loan, Act of 1956 (Ch. 736)	67,000.00	19,293.75	
Charles River Basin Improvement Loan, Act of 1962 (Ch. 550)	315,000.00	235,081.57	
Charles River Basin Improvement Loan, Act of 1957 (Ch. 646)	171,543.00	65,531.25	
Charles River Flood Control, Act of 1961 (Ch. 520)	150,000.00	57,792.50	
Metropolitan District Park Loan, Act of 1961 (Ch. 517)	270,000.00	19,012.50	
Mystic River Dam Loan, Act of 1957 (Ch. 647)	229,000.00	65,718.75	
Mystic River Dam Loan, Act of 1963 (Ch. 547)	409,380.02	248,270.00	
Metropolitan District Commission Recreational Loan, Act of 1962 (Ch. 704)	165,000.00	14,717.50	
Metropolitan District Commission Recreational Loan, Act of 1963 (Ch. 657)	250,000.00	56,675.00	
Metropolitan District Commission Loan, Act of 1965 (Ch. 681)	170,000.00	41,140.00	
Metropolitan District Commission Recreational Loan, Act of 1968 (Ch. 589)	325,000.00	25,750.00	
Metropolitan District Commission Recreational Loan, Act of 1970 (Ch. 725)	400,000.00	305,057.50	
Franklin Park Zoo Improvement Loan, Act of 1965 (Ch. 612)	135,000.00	45,850.00	
Lynn-Nahant Beach Erosion Control Project Loan, Act of 1966 (Ch. 576)	15,000.00	11,787.50	
Revere and Nantasket Beach Reservation Loan, Act of 1967 (Ch. 786)	40,000.00	26,096.74	
Charles River Water Quality Loan Act of 1972 (Ch. 584)	155,000.00	155,077.50	
Metropolitan Recreation and Environmental Loan, Act of 1972 (Ch. 803)	965,000.00	860,222.50	
Wollaston Beach, Quincy Shore Reservation Loan, Act of 1967 (Ch. 786)	51,164.41	42,240.00	
Metropolitan Parks District Loan 1974 (Ch. 519)	350,000.00	392,975.00	
Boston Harbor Islands Acquisition Loan, Act of 1970 (75%)	123,750.00	138,914.01	
Metropolitan Parks District Loan 1976 (Ch. 481)	225,000.00	315,850.00	
Revere Beach Improvement Loan 1975 (Ch. 841)	-1,424,538.23	300,875.00	
Metropolitan Parks District Loan 1978	150,000.00	234,600.00	
Interest on Average Monthly Deficit	-0-	842,037.00	
	\$3,817,299.20	\$4,544,698.11	\$ 8,361,997.31
Maintenance as appropriated by the Legislature			<u>10,107,607.33</u>
Total Metropolitan Parks Expenses to be assessed			\$18,469,584.64

## METROPOLITAN PARKS DISTRICT RESERVATIONS AND BOULEVARDS

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

Cities and Towns	1980 Eq. Valuation	Valuation Per Cent Note 1.	Population 1980 Census	Population Per Cent	Chapt.92 Section 55 Note 2.
Arlington	\$ 784,900	.029272	48,219	.025888	.028144
Belmont	594,800	.022183	26,100	.014013	.019460
Boston	5,239,000	.195385	562,994	.302263	.231011
Braintree	763,000	.028456	36,337	.019509	.025474
Brookline	968,500	.036120	55,062	.029562	.033934
Cambridge	1,291,000	.048147	95,322	.051177	.049157
Canton	376,400	.014038	18,182	.009762	.012613
Chelsea	157,900	.005889	25,431	.013653	.008477
Dedham	501,000	.018685	25,298	.013582	.016984
Dover	208,500	.007776	4,703	.002525	.006026
Everett	888,000	.033117	37,195	.019969	.028734
Hingham	444,800	.016589	20,339	.010920	.014699
Hull	125,600	.004684	9,714	.005215	.004861
Lynn	726,300	.027087	78,471	.042130	.032101
Malden	524,200	.019550	53,386	.028662	.022587
Medford	832,600	.031051	58,076	.031180	.031094
Melrose	425,900	.015884	30,055	.016136	.015968
Milton	446,100	.016637	25,860	.013884	.015719
Nahant	90,250	.003366	3,947	.002119	.002950
Needham	753,500	.028101	27,901	.014980	.023727
Newton	1,978,000	.073768	83,622	.044895	.064144
Quincy	1,149,000	.042851	84,743	.045497	.043733
Revere	459,500	.017137	42,423	.022776	.019017
Saugus	471,100	.017570	24,746	.013286	.016142
Somerville	654,100	.024394	77,372	.041540	.030109
Stoneham	341,100	.012721	21,424	.011502	.012315
Swampscott <sup>4</sup>	288,000	.010741	13,837	.007429	.000771
Wakefield	418,900	.015623	24,895	.013366	.014871
Waltham	1,044,000	.038935	58,200	.031247	.036372
Watertown	603,000	.022489	34,384	.018460	.021146
Wellesley	802,700	.029936	27,209	.014608	.024827
Weston	454,300	.016943	11,169	.005996	.013294
Westwood	383,200	.014291	13,212	.007093	.011892
Weymouth	731,500	.027281	55,601	.029851	.028138
Winchester	502,200	.018729	20,701	.01114	.016190
Winthrop	206,100	.007686	19,294	.010359	.008577
		1.000000	1,855,424	1.000000	.985728
Cohasset (note 3) <sup>m</sup>	184,700	.006888	7,174	.003852	.000470
	<u>26,813,650</u>	<u>1.000000</u>	<u>1,862,598</u>	<u>1.000000</u>	<u>.985728</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

1981

## METROPOLITAN PARKS DISTRICT RESERVATIONS &amp; BOULEVARDS

Cities & Towns	Serial Bonds	Interest	Maintenance	Total
Arlington	\$ 112,470.36	\$ 133,901.95	\$ 288,587.22	\$ 534,959.53
Belmont	85,409.52	101,684.59	199,541.90	386,636.01
Boston	746,573.38	888,835.39	2,368,775.64	4,004,184.41
Braintree	109,355.45	130,193.48	261,209.17	500,758.10
Brookline	138,611.23	165,024.05	347,957.60	651,592.88
Cambridge	184,521.88	219,683.15	504,053.51	908,258.54
Canton	54,317.63	64,688.02	129,333.09	248,318.74
Chelsea	23,210.45	27,633.28	86,922.75	137,766.48
Cohasset	-	-	4,819.36	4,819.36
Dedham	72,056.60	85,787.25	174,153.12	331,996.97
Dover	30,413.70	36,209.12	61,790.31	128,413.13
Everett	127,147.88	151,376.32	294,637.05	573,161.25
Hingham	64,055.56	76,261.55	150,722.84	291,039.95
Hull	18,610.60	22,156.92	49,844.46	90,611.98
Lynn	104,129.56	123,971.79	329,162.10	557,263.45
Malden	75,358.58	89,718.40	231,606.00	396,682.98
Medford	119,261.34	141,986.97	318,836.38	580,084.69
Melrose	61,364.36	73,057.55	163,735.10	298,157.01
Milton	64,238.78	76,479.69	161,181.87	301,900.34
Nahant	13,579.40	16,167.00	30,249.16	59,995.56
Needham	108,000.30	128,580.11	243,295.51	479,875.92
Newton	282,324.90	336,122.84	657,729.48	1,276,177.22
Quincy	164,305.45	195,614.41	448,436.07	808,355.93
Revere	66,147.44	78,752.04	194,999.40	339,898.88
Saugus	67,800.33	80,719.90	165,519.29	314,039.52
Somerville	93,849.58	111,732.92	308,736.23	514,318.73
Stoneham	49,290.24	58,682.65	126,277.42	234,250.31
Swampscott	41,731.98	49,684.15	7,905.80	99,321.93
Wakefield	60,368.05	71,871.37	152,486.52	284,725.94
Waltham	149,356.90	177,817.37	372,956.73	700,131.00
Watertown	86,577.62	103,075.27	216,830.06	406,482.95
Wellesley	115,005.05	136,919.63	254,574.86	506,499.54
Weston	65,406.88	77,870.37	136,316.03	279,593.28
Westwood	55,283.40	65,817.85	121,939.99	243,041.24
Weymouth	104,870.10	124,853.46	288,525.69	518,249.25
Winchester	72,224.58	85,987.20	166,011.48	324,223.26
Winthrop	30,070.14	35,800.10	87,948.14	153,818.38
	<u>\$3,817,299.20</u>	<u>\$4,544,698.11</u>	<u>\$10,107,607.33</u>	<u>\$18,469,604.64</u>

**METROPOLITAN PARKS AND SEWERAGE DISTRICTS  
COMPARISON OF ASSESSMENTS 1980 and 1981**

	PARKS 1980	PARKS 1981	SEWERAGE 1980	SEWERAGE 1981
Arlington	\$ 564,710.98	\$ 534,959.53	\$ 478,939.43	\$ 549,611.72
Ashland	-	-	65,057.99	81,937.29
Bedford	-	-	113,479.14	186,879.96
Belmont	412,151.53	386,636.01	278,323.71	324,883.27
Boston	4,118,151.92	4,004,184.41	6,775,787.84	7,935,183.48
Braintree	514,033.19	500,758.10	370,072.67	423,893.95
Brookline	665,233.13	651,592.88	515,746.53	623,218.15
Burlington	-	-	249,206.38	271,637.38
Cambridge	894,909.67	908,258.54	1,254,020.35	1,489,721.98
Canton	247,618.79	248,318.74	158,292.77	192,144.32
Chelsea	150,867.86	137,766.48	253,506.69	308,705.62
Cohasset	5,262.06	4,819.36	-	-
Dedham	356,608.15	331,996.97	245,836.45	266,824.53
Dover	128,336.81	128,413.13	-	-
Everett	622,017.72	573,161.25	515,846.24	566,748.90
Framingham	-	-	606,858.08	718,064.15
Hingham	305,136.63	291,039.95	51,307.49	63,230.16
Holbrook	-	-	39,813.98	52,855.24
Hull	105,965.93	90,611.98	-	-
Lexington	-	-	337,248.49	385,855.24
Lynn	557,809.16	557,263.45	-	-
Malden	445,420.21	396,682.98	539,373.12	621,585.60
Medford	563,582.13	580,084.69	586,268.21	687,179.21
Melrose	320,851.06	298,157.01	311,635.03	353,428.68
Milton	343,678.18	301,900.34	250,880.21	285,941.51
Nahant	56,056.15	59,995.56	-	-
Natick	-	-	268,920.42	309,928.43
Needham	503,297.93	479,875.92	293,371.33	311,135.54
Newton	1,203,627.85	1,276,177.22	908,138.25	1,003,154.08
Norwood	-	-	331,502.90	377,973.05
Quincy	921,121.94	808,355.93	938,270.91	1,061,742.84
Randolph	-	-	214,634.13	268,708.02
Reading	-	-	197,639.16	231,183.59
Revere	345,163.34	339,898.88	381,748.40	463,266.04
Saugus	328,413.30	314,039.52	-	-
Somerville	546,649.31	514,318.73	790,763.44	901,465.96
Stoneham	272,870.53	234,250.31	203,131.34	241,681.05
Stoughton	-	-	150,549.33	189,226.87
Swampscott	103,122.96	99,321.93	-	-
Wakefield	303,326.71	284,725.94	249,056.43	288,337.20
Walpole	-	-	258,997.12	249,372.43
Waltham	730,345.18	700,131.00	804,697.35	889,493.79
Watertown	388,298.65	406,482.95	370,368.24	411,201.71
Wellesley	520,139.05	506,499.54	231,989.65	278,279.15
Weston	266,059.75	279,593.28	-	-
Westwood	255,344.46	243,041.24	82,439.10	96,986.14
Weymouth	587,924.34	518,249.25	438,304.13	520,757.05
Wilmington	-	-	95,153.09	127,590.84
Winchester	326,524.37	324,223.26	227,026.46	229,506.43
Winthrop	177,602.84	153,818.38	194,199.57	222,558.94
Woburn	-	-	392,637.47	493,869.18
	<u>\$19,178,233.77</u>	<u>\$18,469,604.64</u>	<u>\$22,021,039.02</u>	<u>\$25,556,948.67</u>

## METROPOLITAN SEWERAGE DISTRICT

### METROPOLITAN SEWERAGE DEBT

Gross (and net) debt June 30, 1981

Bonds Outstanding (serial):

District Sewerage Loan, Act of 1949 (Ch. 606)	\$ 6,025,000.00
Sewerage Loan, Act of 1951 (Ch. 645)	7,597,000.00
Sewerage Loan, North District, Act of 1951 (Ch. 757)	144,000.00
District Sewerage Loan, North System, Act of 1954 (Ch. 452)	172,000.00
Metropolitan District Sewerage Loan, Act of 1954 (Ch. 399)	272,000.00
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	40,000.00
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	13,524,000.00
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	2,730,000.00
Metropolitan District Sewerage Relief Loan, Act of 1962 (Ch. 593)	900,000.00
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	1,680,000.00
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	2,750,000.00
Second Metropolitan Sewerage Loan, Act of 1962	5,940,000.00
District Sewerage Loan, Act of 1951 (Ch. 527)	264,000.00
District Sewerage Second Loan, Act of 1951 (Ch. 599)	322,000.00
District Sewerage Loan, Act of 1953 (Ch. 642)	132,000.00
District Sewerage Loan, Act of 1954 (Ch. 580)	114,000.00
District Sewerage Loan, Act of 1955 (Ch. 410)	278,000.00
District Sewerage Loan, Act of 1955 (Ch. 551)	204,000.00
District Sewerage Loan, Act of 1957 (Ch. 710)	272,000.00
District Sewerage Loan, Act of 1957 (Ch. 764)	128,000.00
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	4,665,000.00
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	440,000.00
Metropolitan Sewerage Loan, Act of 1967 (Ch. 837)	6,000,000.00
Metropolitan Sewerage Loan, Act of 1970 (Ch. 745)	5,280,000.00
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1971 (Ch. 881)	4,850,000.00
Metropolitan Sewerage Loan, Act of 1972 (Ch. 803)	12,900,000.00
Metropolitan District Commission Malden Relief Sewerage Loan, Act of 1966 (Ch. 478)	735,000.00
Metropolitan District Commission Malden Relief Sewerage Loan, Act of 1969 (Ch. 526)	380,000.00
Metropolitan Sewerage Loan, Act of 1973 (Ch. 1036)	4,500,000.00
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1975 (Ch. 780)	<u>9,000,000.00</u>
	<u>\$92,238,000.00</u>

**METROPOLITAN SEWERAGE DISTRICT  
METROPOLITAN SEWERAGE EXPENSES**

DEBT SERVICE	SERIAL BONDS	INTEREST	
District Sewerage Loan, Act of 1949 (Ch. 606)	\$ 698,700.00	\$ 191,343.75	
Sewerage Loan, Act of 1951 (Ch. 645)	681,300.00	195,387.50	
Sewerage Loan, North District, Act of 1951 (Ch. 757)	36,000.00	3,168.00	
District Sewerage Loan, North System, Act of 1954 (Ch. 452)	21,400.00	5,197.50	
District Sewerage Loan, North System, Act of 1954 (Ch. 399)	24,100.00	9,520.00	
Metropolitan District Sewerage Loan, North System, Act of 1958 (Ch. 590)	3,500.00	1,400.00	
Metropolitan Sewerage Loan, Act of 1961 (Ch. 515)	450,800.00	397,531.00	
District Sewerage Relief Loan, Act of 1961 (Ch. 516)	91,000.00	82,565.00	
Metropolitan District Sewerage Loan, Act of 1962 (Ch. 593)	51,000.00	33,900.00	
District Sewerage Relief Loan, Act of 1962 (Ch. 655)	54,500.00	39,125.00	
Metropolitan Sewerage Loan, Act of 1962 (Ch. 658)	125,000.00	99,491.25	
Second Metropolitan Sewerage Loan, Act of 1962 (Ch. 766)	216,000.00	220,278.75	
District Sewerage Loan, Act of 1951 (Ch. 527)	66,000.00	5,808.00	
District Sewerage Second Loan, Act of 1951 (Ch. 599)	73,000.00	7,372.75	
District Sewerage Loan, Act of 1953 (Ch. 642)	33,000.00	2,904.00	
District Sewerage Loan, Act of 1954 (Ch. 580)	19,000.00	2,873.75	
District Sewerage Loan, Act of 1955 (Ch. 410)	35,900.00	8,261.25	
District Sewerage Loan, Act of 1955 (Ch. 551)	34,000.00	5,142.50	
District Sewerage Loan, Act of 1957 (Ch. 710)	15,766.67	9,520.00	
District Sewerage Loan, Act of 1957 (Ch. 764)	10,900.00	4,480.00	
Metropolitan Sewerage Loan, Act of 1966 (Ch. 563)	160,000.00	277,765.00	
Metropolitan District Sewerage Relief Loan, Act of 1966 (Ch. 565)	-43,250.00	21,825.00	
Metropolitan Sewerage Loan, Act of 1967 (Ch. 837)	200,000.00	246,000.00	
Metropolitan District Commission Malden Relief Sewerage Loan, Act of 1969 (Ch. 526)	20,000.00	21,275.00	
Metropolitan Sewerage Loan, Act of 1970 (Ch. 745)	170,000.00	287,275.00	
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1971 (Ch. 881)	270,000.00	296,450.00	
Metropolitan Sewerage Loan, Act of 1972 (Ch. 803)	1,125,000.00	1,061,900.00	
Metropolitan Sewerage Loan, Act of 1973	250,000.00	292,875.00	
Metropolitan District Commission Charles River Marginal Conduit Loan, Act of 1975	500,000.00	585,750.00	
Metropolitan District Commission Malden Relief Sewerage Loan, Act of 1966 (Ch. 478)	45,000.00	40,968.75	
Interest on Average Monthly Deficit	-0-	-506,150.00	
	\$5,437,616.67	\$3,951,203.75	\$ 9,388,820.42
Maintenance			16,168,128.24
Total Metropolitan Sewerage Expenses			\$25,556,948.66

## METROPOLITAN DISTRICT COMMISSION SEWERAGE DIVISION

Ratios of Contribution on the Basis of Chapter 814, Acts of 1975, Sections 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, 1981
Arlington	50,223	0	50,223	0.020490
Ashland	8,906	2,266	11,172	0.004558
Bedford	12,314	7,733	20,047	0.008179
Belmont	29,135	1,133	30,268	0.012349
Boston	639,098	110,930	750,028	0.306003
Braintree	36,822	1,292	38,114	0.015550
Brookline	53,150	657	53,807	0.021953
Burlington	24,306	2,872	27,178	0.011088
Cambridge	102,095	33,836	135,931	0.055458
Canton	18,114	2,923	21,037	0.008583
Chelsea	25,066	1,949	27,015	0.011022
Dedham	26,924	340	27,264	0.011123
Everett	39,713	11,964	51,677	0.021084
Framingham	65,564	6,095	71,659	0.029236
Hingham	6,555	0	6,555	0.002674
Holbrook	11,849	0	11,849	0.004834
Lexington	32,477	6,209	38,686	0.015783
Malden	55,814	685	56,499	0.023050
Medford	60,702	1,716	62,418	0.025466
Melrose	32,213	425	32,638	0.013316
Milton	27,214	0	27,214	0.011103
Natick	31,102	2,538	33,640	0.013725
Needham	29,936	1,462	31,398	0.012810
Newton	89,183	4,186	93,369	0.038094
Norwood	31,316	3,116	34,432	0.014048
Quincy	91,487	6,719	98,206	0.040067
Randolph	29,206	0	29,206	0.011916
Reading	23,696	289	23,985	0.009786
Revere	41,292	0	41,292	0.016847
Somerville	80,596	1,144	81,740	0.033349
Stoneham	21,564	0	21,564	0.008798
Stoughton	25,717	0	25,717	0.010492
Wakefield	26,041	321	26,353	0.010752
Walpole	18,504	11,936	30,440	0.012419
Waltham	58,404	19,130	77,534	0.031633
Watertown	36,075	1,354	37,429	0.015271
Wellesley	26,593	0	26,593	0.010850
Westwood	14,019	0	14,019	0.005720
Weymouth	56,854	1,275	58,129	0.023716
Wilmington	17,656	5,138	22,794	0.009300
Winchester	22,672	289	22,961	0.009368
Winthrop	20,359	0	20,359	0.008306
Woburn	35,329	13,278	48,607	0.019831
	<u>2,185,855</u>	<u>265,191</u>	<u>2,451,046</u>	<u>1.000000</u>

- (1) Belmont: Population included 1,535 at the McLean Hospital.
- (2) Boston: Population included 625 at Boston State Hospital & 487 at Deer Island.
- (3) Hingham: Part of Town only included in the system.
- (4) Waltham: Population included 1,007 persons at the Metropolitan State Hospital and 640 persons at the Middlesex County Hospital.

## METROPOLITAN DISTRICT COMMISSION SEWERAGE DIVISION

Ratios of Contribution 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	RATIOS FOR OPERATIONS
			POPULATION AND POPULATION EQUIVALENT	AND MAINTENANCE FISCAL YEAR ENDING JUNE 30, 1981
Arlington	47,438	0	47,438	0.022095
Ashland	2,933	2,266	5,199	0.002421
Bedford	6,886	7,733	14,619	0.006809
Belmont	26,613	1,133	27,746	0.012923
Boston	561,285	110,930	672,215	0.313096
Braintree	35,610	1,292	36,902	0.017188
Brookline	54,732	657	55,389	0.025798
Burlington	19,376	2,872	22,248	0.010362
Cambridge	94,845	33,836	128,681	0.059935
Canton	11,891	2,923	14,814	0.006900
Chelsea	25,304	1,949	27,253	0.012693
Dedham	21,225	304	21,565	0.010044
Everett	37,009	11,964	48,973	0.022810
Framingham	52,807	6,095	58,902	0.027435
Hingham	5,062	0	5,062	0.002358
Holbrook	991	0	991	0.000462
Lexington	25,352	6,209	31,561	0.014700
Malden	53,119	685	53,804	0.025060
Medford	57,786	1,716	59,502	0.027714
Melrose	29,905	425	30,330	0.014127
Milton	24,127	0	24,127	0.011238
Natick	21,507	2,538	24,045	0.011199
Needham	23,883	1,462	25,345	0.011805
Newton	81,531	4,186	85,717	0.039924
Norwood	29,562	3,116	32,678	0.015220
Quincy	84,319	6,719	91,038	0.042402
Randolph	20,825	0	20,825	0.009700
Reading	18,210	289	18,499	0.008616
Revere	40,514	0	40,514	0.018870
Somerville	76,985	1,144	78,129	0.036390
Stoneham	21,124	0	21,124	0.009839
Stoughton	12,046	0	12,046	0.005611
Wakefield	24,571	312	24,883	0.011590
Walpole	5,695	11,936	17,631	0.008212
Waltham	59,548	19,130	78,678	0.036646
Watertown	34,212	1,354	35,566	0.016565
Wellesley	23,427	0	23,427	0.010911
Westwood	5,747	0	5,747	0.002677
Weymouth	38,309	1,275	39,584	0.018437
Wilmington	210	5,138	5,348	0.002491
Winchester	18,507	289	18,796	0.008755
Winthrop	19,198	0	19,198	0.008942
Woburn	27,579	13,278	40,857	0.019030
	<u>1,881,805</u>	<u>265,191</u>	<u>2,146,996</u>	<u>1.000000</u>

## METROPOLITAN SEWERAGE DISTRICT

### Total Assessments

CITIES AND TOWNS	SERIAL BONDS	INTEREST	MAINTENANCE	TOTAL
Arlington	\$ 111,416.77	\$ 80,960.16	\$ 357,234.79	\$ 549,611.72
Ashland	24,784.66	18,009.59	39,143.04	81,937.29
Bedford	44,474.27	32,316.90	110,088.79	186,879.96
Belmont	67,149.13	48,793.42	208,940.72	324,883.27
Boston	1,663,927.00	1,209,080.20	5,062,176.28	7,935,183.48
Braintree	84,554.94	61,441.22	277,897.79	423,893.95
Brookline	119,372.00	86,740.78	417,105.37	623,218.15
Burlington	60,292.29	43,810.95	167,534.14	271,637.38
Cambridge	301,559.35	219,125.86	969,036.77	1,489,721.98
Canton	46,671.06	33,913.18	111,560.08	192,144.32
Chelsea	59,933.41	43,550.16	205,222.05	308,705.62
Dedham	60,482.61	43,949.24	162,392.68	266,824.53
Everett	114,646.71	83,307.18	368,795.01	566,748.90
Framingham	158,974.16	115,517.39	443,572.60	718,064.15
Hingham	14,540.19	10,565.52	38,124.45	63,230.16
Holbrook	26,285.44	19,100.12	7,469.68	52,855.24
Lexington	85,821.90	62,361.85	237,671.49	385,855.24
Malden	125,337.06	91,075.25	405,173.29	621,585.60
Medford	138,474.35	100,621.35	448,083.51	687,179.21
Melrose	72,407.30	52,614.23	228,407.15	353,428.68
Milton	60,373.86	43,870.22	181,697.43	285,941.51
Natick	74,631.29	54,230.27	181,066.87	309,928.43
Needham	69,655.87	50,614.92	190,864.75	311,135.54
Newton	207,140.57	150,517.16	645,496.35	1,003,154.08
Norwood	76,387.64	55,506.50	246,078.91	377,973.05
Quincy	217,868.99	158,312.88	685,560.97	1,061,742.84
Randolph	64,794.64	47,082.54	156,830.84	268,708.02
Reading	53,212.52	38,666.48	139,304.59	231,183.59
Revere	91,607.53	66,565.93	305,092.58	463,266.04
Somerville	181,339.08	131,768.69	588,358.19	901,465.96
Stoneham	47,840.15	34,762.69	159,078.21	241,681.05
Stoughton	57,051.47	41,456.03	90,719.37	189,226.87
Wakefield	58,465.25	42,483.34	187,388.61	288,337.20
Walpole	67,529.76	49,070.00	132,772.67	249,372.43
Waltham	172,008.13	124,988.43	592,497.23	889,493.79
Watertown	83,037.84	60,338.83	267,825.04	411,201.71
Wellesley	58,998.14	42,870.56	176,410.45	278,279.15
Westwood	31,103.17	22,600.89	43,282.08	96,986.14
Weymouth	128,958.52	93,706.75	298,091.78	520,757.05
Wilmington	50,569.84	36,746.19	40,274.81	127,590.84
Winchester	50,939.59	37,014.88	141,551.96	229,506.43
Winthrop	45,164.84	32,818.70	144,575.40	222,558.94
Woburn	107,833.38	78,356.32	307,679.48	493,869.18
	<u>\$5,437,616.67</u>	<u>\$3,951,203.75</u>	<u>\$16,168,128.25</u>	<u>\$25,556,948.67</u>

## STATEMENT OF DEBTS OF THE METROPOLITAN DISTRICT

NET DEBT JUNE 30, 1981	METROPOLITAN SEWERAGE	METROPOLITAN WATER	METROPOLITAN PARKS	TOTAL
Arlington	\$ 1,889,956.62	\$ 1,956,112.14	\$ 1,839,306.12	\$ 5,685,374.88
Ashland	420,420.80	-	-	420,420.80
Bedford	754,414.60	-	-	754,414.60
Belmont	1,139,047.06	1,241,142.54	1,393,868.81	3,774,058.41
Boston	28,225,104.71	55,534,146.54	12,277,016.48	96,036,267.73
Braintree	1,434,300.90	-	1,788,032.76	3,222,333.66
Brookline	2,024,900.81	2,938,078.20	2,269,600.20	7,232,579.21
Burlington	1,022,734.94	-	-	1,022,734.94
Cambridge	5,115,335.00	29,045.64	3,025,316.75	8,169,697.39
Canton	791,678.75	595,435.62	882,077.74	2,269,192.11
Chelsea	1,016,647.24	1,386,370.74	370,035.33	2,773,053.31
Cohasset	-	-	432,807.49	432,807.49
Dedham	1,025,963.28	-	1,174,071.98	2,200,035.26
Dover	-	-	488,604.97	488,604.97
Everett	1,944,745.99	3,476,539.68	2,080,906.71	7,502,192.38
Framingham	2,696,670.18	-	-	2,696,670.18
Hingham	246,644.42	-	1,042,369.83	1,289,014.25
Holbrook	445,878.49	-	-	445,878.49
Hull	-	-	294,319.15	294,319.15
Lexington	1,455,792.35	2,381,742.48	-	3,837,534.83
Lynn	-	-	1,702,011.66	1,702,011.66
Lynnfield Water District	-	179,859.54	-	179,859.54
Malden	2,126,085.90	2,232,045.72	1,228,424.26	5,586,555.88
Marblehead	-	887,009.16	-	887,009.16
Medford	2,348,932.91	3,686,562.00	1,951,089.60	7,986,584.51
Melrose	1,228,241.21	1,156,239.90	998,071.14	3,382,552.25
Milton	1,024,118.51	1,223,268.30	1,045,385.90	3,292,772.71
Nahant	-	163,102.44	211,502.61	374,605.05
Natick	1,265,966.55	-	-	1,265,966.55
Needham	1,181,568.78	442,387.44	1,765,726.34	3,389,682.56
Newton	3,513,714.37	4,563,516.90	4,635,212.28	12,712,443.55
Norwood	1,295,759.42	1,784,072.58	-	3,079,832.00
Peabody	-	952,920.42	-	952,920.42
Quincy	3,695,699.95	4,812,639.12	2,692,542.59	11,200,881.66
Randolph	1,099,108.01	-	-	1,099,108.01
Reading	902,641.07	-	-	902,641.07
Revere	1,553,933.59	1,905,840.84	1,076,803.40	4,536,577.83
Saugus	-	1,551,707.46	1,104,010.95	2,655,718.41
Somerville	3,076,045.06	4,023,938.28	1,532,796.99	8,632,780.33
Stoneham	811,509.92	1,469,039.10	799,324.04	3,079,873.06
Stoughton	967,761.10	-	-	967,761.10
Swampscott	-	807,692.22	674,910.74	1,482,602.96
Wakefield	991,742.98	673,635.42	981,671.21	2,647,049.61
Walpole	1,145,503.72	-	-	1,145,503.72
Waltham	2,917,764.65	4,722,150.78	2,446,480.73	10,086,396.16
Watertown	1,408,566.50	1,938,237.90	1,413,096.32	4,759,900.72
Wellesley	1,000,782.30	-	1,881,028.56	2,881,810.86
Weston	-	468,081.66	1,064,613.41	1,532,695.07
Westwood	527,601.36	-	897,974.99	1,425,576.35
Weymouth	2,187,516.41	-	1,714,201.64	3,901,718.05
Wilmington	857,813.40	-	-	857,813.40
Winchester	864,085.58	1,244,493.96	1,176,836.72	3,285,416.26
Winthrop	766,128.83	854,612.10	482,949.81	2,103,690.74
Woburn	1,829,171.78	432,333.18	-	2,261,504.96
	<u>\$92,238,000.00</u>	<u>\$111,714,000.00</u>	<u>\$62,835,000.00</u>	<u>\$266,787,000.21</u>

Comm. from Paul E. Healy, City Clerk, transmitting comm. from John J. Manton, State Purchasing Agent enclosing a copy of the "Massachusetts 1981 assessments for interest, serial bonds and maintenance of the Metropolitan District".

In City Council,

April 5, 1982

*4/5/82*

*- Placed on File -*