



Summary of:

MWRA BOARD OF DIRECTORS' MEETING

May 24, 2000

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A meeting of the Board of Directors of the Massachusetts Water Resources Authority was held on May 24, 2000 at the Authority Headquarters in Charlestown. **Present:** Chairman Robert Durand, Lucile Hicks and Donald Mitchell, Gubernatorial Representatives; John Carroll, Norman Jacques and Andrew Pappastergion, Advisory Board Representatives; Vincent Mannering and Andrea d'Amato, City of Boston Representatives; Joseph MacRitchie, City of Quincy Representative; Marie Turner, Town of Winthrop Representative. **Absent:** Robert Spinney, City of Boston Representative.

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AGENDA

Report of the Chair

No report.

Report of the Executive Director

No report.

APPROVALS

Approval of Committee Recommendations from CEB Hearing

The Board voted to approve the May 17, 2000 recommendation of the Administration and Finance Committee/Committee of the Whole with respect to the FY01 Current Expense Budget. MWRA staff recommended imposing a 5.5% ratepayer increase for FY01. However, the A&F Committee elected to support the Advisory Board's

recommendation of a 3.5% rate increase for FY01.

Approval of the FY01-03 CIP

The Board voted to approve the FY01-03 Capital Improvement Program, with a three-year budget of \$1.2 billion and a ten-year budget of \$2.2 billion. Last December MWRA staff submitted a Proposed FY01-03 CIP to the Advisory Board for its review and comments. In March the Advisory Board issued its comments and recommendations on the Proposed CIP. At the May 17th budget hearings MWRA staff issued a draft response to the Advisory Board, a final copy of which will be issued to the Board at the June 14th meeting. The Final FY01-03 CIP will incorporate MWRA and Advisory Board recommendations.

Town of Bedford FY01 Sewer Assessment

The Board voted to base FY01 sewer assessments for the Town of Bedford on flow data reported by the Bedford Great Road Pumping Station flow meter through June 1999. The remainder of calendar year 1999 will be based on MWRA staff's best professional judgment. Three ultrasonic gravity flow meters upstream of the pumping station will be installed immediately.

MWRA and the Town of Bedford have contrasting opinions about which flow-metering data should be used for MWRA's sewer assessment of Bedford. After experiencing problems with its "doppler" flow meter, in July 1999 the Town replaced the meter with a "transit time" meter. The new meter reflected flows substantially *lower* than the doppler meter had been measuring. With the Town's permission, MWRA temporarily installed three "gravity flow" meters which, in the Authority's view, rebutted Bedford's assertion that the doppler flow meter had over-recorded flows. Therefore, MWRA did not downwardly adjust Bedford's sewer assessment for CY99.

The Town supports the position of Weston & Sampson, Bedford's consultant, that transit time meters are more accurate than gravity flow meters. However, gravity flow meters are most commonly used by MWRA for sewer assessments, thus staff is disinclined to doubt their accuracy.

The contrasting opinions of MWRA and Bedford have a potential impact of reducing Bedford's FY01 assessment by approximately \$22,000, with long-term potential savings of over \$200,000. Because Bedford's flows are tributary to Lexington's system, any *decrease* for Bedford would result in an *increase* for Lexington. In response to Mr. Pappastergion's inquiry, staff stated that Lexington officials have been kept abreast of this situation.

Approval of Revised CSO Control Plan for Alewife Brook

The Board voted to approve staff's recommendation of a revised CSO Control Plan for Alewife Brook in Cambridge; to authorize staff to submit the revised plan to federal and state regulatory agencies for approval; and to enter into negotiations with EPA, DEP and other parties to the Boston Harbor case concerning amendments to Schedule Six that would incorporate the revised plan.

Staff estimates that MWRA's total cost share will be approximately \$34.8 million. The FY00-02 CIP budget includes \$22,290,000 for design and construction of the Alewife Brook sewer separation and floatables control projects. Staff has recommended increasing the budget in the FY01-03 CIP in order to cover MWRA's cost of the revised plan. Cost negotiations between MWRA and Cambridge will be finalized in the next several weeks.

Memorandum of Understanding and Financial Assistance Agreement with the City of Cambridge for Implementation of CSO Control Projects, Amendment 1

The Board voted to authorize the Executive Director, on behalf of the Authority, to execute Amendment 1 to the Memorandum of Understanding and related Financial Assistance Agreement with the City of Cambridge, to increase the total financial assistance amount by \$3.377 million, from the current agreement amount of \$12.5 million to an amount not to exceed \$15.877 million. The FY00-02 CIP budget includes \$22,290,000 for Cambridge implemented CSO projects. Amendment 1 will increase the total amount of funding to Cambridge to \$15,877,000; therefore, no contingency transfer is required.

Emergency Water Supply Agreement with the Town of Stoughton

The Board voted to authorize the Executive Director, on behalf of the Authority, to execute a six-month Emergency Water Supply Agreement with the Town of Stoughton, substantially. The Agreement allows MWRA to require that Stoughton's withdrawals be reduced or turned off if they are contributing to MWRA system pressure problems. The Town has faced water shortages for decades and is currently examining two final options for supplemental water: MWRA or desalination.

Walnut Hill Water Treatment Plant - Design and ESDC: Camp Dresser & McKee, Inc., Contract 5017, Authorization to Proceed with Engineering Services During Construction

The Board voted to authorize the Executive Director, on behalf of the Authority, to issue a notice to proceed with bidding and engineering services during construction of the remaining construction packages for the ozonation alternative in the amount of \$500,000 under Contract 5017, Walnut Hill Water Treatment Plant Design and ESDC, with Camp Dresser & McKee, Inc. Including previous contingency transfers, the FY00-02 CIP budget contains \$38,294,000, which is the current value of Contract 5017. Therefore, this approval authorizes the use of already budgeted funds.

FY2000 PCR Amendments - May

The Board voted to approve the amendments to the Position Control Register, with the exception of amendments P161 and B81 through B86. With the Board voting with the aforementioned exceptions to the PCR Amendments, the budget impact of these changes may reach \$38,893; however, the actual impact will depend on the salary levels of the employees that fill the vacant positions. The Divisions will absorb any costs associated with the individual amendments.

Approval of Contract Employee, Law Division

The Board voted to approve the employment contract of Virginia S. Renick as counsel to the Law Division for the period June 1, 2000 to May 31, 2001, at an hourly rate of \$60.00 and a not-to-exceed limit of \$54,000.

Approval of Contract Employee, Sewerage Division

The Board voted to approve the employment contract of Thomas J. Myron, Senior Process Control Engineer, Sewerage Division for the one year period of June 5, 2000 to June 4, 2001, at an hourly rate of \$40.00 and for a not-to-exceed amount of \$38,400.

Appointment of Deputy Director, Communications

The Board voted to approve the Executive Director's recommendation to appoint Jonathan L. Yeo to the position of Deputy Director, Communications, in the Public Affairs Department, at an annual salary of \$82,000, to be effective on the date designated by the Executive Director.

Appointment of Chief Operating Officer

The Board voted to approve the Executive Director's recommendation to appoint Michael J. Hornbrook to the position of Chief Operating Officer at an annual salary of \$115,000, effective June 1, 2000. The Board further authorized the Executive Director, on behalf of the Authority, to enter into an employment contract with Mr. Hornbrook to provide his services to the Authority. The creation of this position will be achieved by a PCR amendment, which will eliminate the position of "Director, Sewerage Division."

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CONTRACT AWARDS

Upper Neponset Valley Relief Sewer - Design, Construction Administration and Resident Inspection Services: Fay, Spofford & Thorndike, Inc., Contract 6031

The Board voted to approve the recommendation of the Consultant Selection Panel to select Fay, Spofford & Thorndike, Inc. to provide design, construction administration and resident inspection services for the Upper Neponset Valley Relief Sewer project. The Board further voted to authorize the Executive Director, on behalf of the Authority, to execute a contract with Fay, Spofford & Thorndike in an amount not to exceed \$3,775,169.87 for a term of 1,695 days from the Notice to Proceed.

During contract negotiations staff added services beyond the scope originally described in the Request for Qualifications/Proposals stage. These services include 1) hydraulic modeling of the Saw Mill Brook and its connecting drainage system; and 2) geotechnical reflection/refraction subsurface investigations to better define bedrock known to exist in the project area. The FY00-02 CIP for Contract 6031 contains a project budget of \$2,831,000. Therefore, a contingency transfer of \$944,169.87 is required to fund this contract.

Walnut Hill Water Treatment Plant - Cosgrove and Wachusett Intakes Rehabilitation: J.F. White Contracting Co., Contract 6207

The Board voted to approve the award of Contract 6207, Walnut Hill Water Treatment Plant - Cosgrove and Wachusett Intakes Rehabilitation, subject to the approval of DEP, to the lowest responsive bidder, J.F. White Contracting Company. The Board further voted to authorize the Executive Director, on behalf of the Authority, to execute and deliver said contract in the bid amount of \$10,930,100 for a period of 730 calendar days from the Notice to Proceed.

The FY00-02 CIP includes \$5,910,000 for this contract. Because of changes made to the scope of work that Contract 6207 entails, a contingency transfer of \$5,020,100 is required to fund this contract award. The three significant changes that have resulted in cost increases are as follows:

1. \$2.7 million: submerged piping in the Wachusett lower gatehouse, found severely corroded during the latter inspection stages.
2. \$2 million: installation of a water line to supply the Town of Northborough and Westborough State Hospital. This phase was originally part of WHWT water mains (CP5) but is being advanced to provide sufficient flow during drought conditions.
3. \$640,000: additional construction safety and operations measures.

Boston Low Service - Phase III: P. Caliacco, Contract 6044

The Board voted to approve the award of Contract 6044, Boston Low Service - Phase III, to the lowest responsive bidder, P. Caliacco, and to authorize the Executive Director, on behalf of the Authority, to execute and deliver said contract in the bid amount of \$12,271,235 for a period of 975 calendar days.

At the May 10th Board meeting, Mr. Pappastergion raised an objection to awarding this contract and successfully motioned to table the matter. Mr. Pappastergion's motion was based on the fact that the contract terms failed to identify the subcontractor hired for pipe relining. MWRA staff addressed the Board's concerns, and P. Caliacco has selected Terrace Industries of Cleveland, Ohio as the subcontractor for pipe relining. Ms. Hicks inquired whether the distance between Cleveland and Boston would create problems for contract fulfillment. Staff stated that New England is a lucrative market for Terrace Industries, thus the company often travels with its own crew.

Employee Assistance Program: Health Resources, Inc.

The Board voted to approve the recommendation of the Consultant Selection Panel to select Health Resources, Inc. to

provide Employee Assistance Program services to the Authority. The Board further voted to authorize the Executive Director, on behalf of the Authority, to execute a contract with Health Resources, Inc. in an amount not to exceed \$70,000 for a one-year period commencing July 1, 2000.

The Board also approved the contract provision that authorizes the Executive Director to exercise a single three-year option to renew said contract, subject to budget authorization, at an estimated cost of \$217,000. The FY01 budget contains \$51,000 for this contract. The additional cost of \$19,000 will be absorbed into the FY01 Human Resources budget. Funds for the remaining three years of the contract, if the renewal option is exercised, will be included in future current expense budgets.

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CONTRACT AMENDMENTS/CHANGE ORDERS

Integrated Financial and Procurement Management System: Lawson Associates, Inc., Contract 6362, Amendment 2

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment No. 2 to increase the contract price on Contract 6362 with Lawson Associates, Inc., Integrated Financial and Procurement Management System, in the amount of \$100,000 for final customizations required on the system software project. Amendment 2 increases the cumulative amendment total to \$350,000, added to the original contract amount of \$4,830,000, for a revised contract total of \$5,180,000. The FY00-02 CIP contains \$4,830,000 for Contract 6362; therefore, a \$100,000 contingency transfer (in addition to the \$250,000 for Amendment 1) is required to fund Amendment 2.

Integrated Financial and Procurement Management System: Lawson Associates, Inc., Contract 6362, Amendments 3 and 4

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment 3 to increase the contract price of Contract 6362 with Lawson Associates, Inc., Integrated Financial Procurement Management System, in the amount of \$700,000, for the purchase of Lawson Human Resources/Payroll applications. The Board further voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment 4 to increase the contract price of Contract 6362 in the amount of \$2,750,000, upon successful completion of Human Resource/Payroll application implementation service negotiations, and to extend the time for completion by sixteen months to January 31, 2002.

Amendments 3 and 4 increase the cumulative amendment total to \$3,800,000, added to the original contract amount of \$4,830,000, for a revised contract total of \$8,630,000. The FY00-02 CIP contains \$4,830,000 for Contract 6362. While a \$350,000 contingency transfer for Amendments 1 and 2 are in process, an additional \$700,000 is required to fund Amendment 3. The \$2,750,000 required to fund Amendment 4 will be part of the Final FY01-03 CIP.

Effluent Outfall Tunnel Design Services: Parsons, Brinckerhoff, Quade & Douglas, Contract 5531, Amendments 12 and 13

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendments 12 and 13 to increase the contract upset limit on Contract 5531 with Parsons, Brinckerhoff, Quade & Douglas, Effluent Outfall Tunnel Design Services, by an amount determined by the Executive Director, but not to exceed \$840,000, for design and engineering services during construction relating to the off-shore ventilation of the Effluent Outfall Tunnel. The Board further voted to authorize the Executive Director, on behalf of the Authority, to reimburse the cost of a certain policy of insurance not to exceed \$490,000 for designer liability, and to extend the contract duration by twenty months to December 31, 2001.

Amendments 12 and 13 increase the cumulative amendment total to \$6,217,004, added to the original contract amount of \$3,759,440, for a revised contract total of \$9,976,444. The FY00-02 CIP contains \$9,236,453 for this contract. Therefore, a partial contingency transfer of \$739,991 is required to fund these amendments.

Walnut Hill Water Treatment Plant - Site Work and Storage Tank Facility: Barletta Heavy Division, Contract 6488, Change Order 11

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order No. 11 to increase the contract price on Contract 6488 with Barletta Heavy Division, Walnut Hill Water Treatment Plant - Site Work and Storage Tank Facility, in the amount of \$40,000. This change order increases the cumulative change order total to \$2,733,482.84, added to the original contract amount of \$62,344,400, for a revised contract total of \$65,077,882.84. The FY00-02 CIP contains a budget of \$64,046,000 for Contract 6488; therefore, a contingency transfer of \$40,000 is necessary to fund this change order.

The Board further voted to authorize the Executive Director to approve additional change orders as may be needed to Contract 6488 in amounts not to exceed the aggregate of \$250,000.

Hultman Risk Analysis and Repair Design: Simpson, Gumpertz, Heger, Contract 5141, Amendment 6

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment No. 6 to increase the contract price on Contract 5141 with Simpson, Gumpertz, Heger, Hultman Risk Analysis and Repair Design, in the amount of \$160,580. This amendment increases the cumulative amendment total to \$1,158,630.18, added to the original contract amount of \$866,609, for a revised contract total of \$2,025,239.18. The FY00-02 CIP contains a budget of \$1,864,491.42 for Contract 5141; therefore, a contingency transfer of \$160,747.76 is required to fund this amendment.

Hultman Aqueduct Excavation and Repair: Barletta Heavy Division, Contract 6430, Change Order 2

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order No. 2 to increase the contract price on Contract 6430 with Barletta Heavy Division, Inc., Hultman Aqueduct Excavation and Repair, on a time and materials basis, in an amount not to exceed \$250,000 and to extend the time for completion by 120 days to October 20, 2000. This change order increases the cumulative change order amount from zero to \$250,000, for a revised contract total of \$1,194,444. The FY00-02 CIP budget for Contract 6430 contains a project budget of \$2,000,000; therefore, no contingency transfer is required to fund this change order.

Fells Reservoir Covered Storage Project - ESDC: Klein & Hoffman, Inc., Contract 5070, Amendment 7

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Amendment No. 7 to increase the contract price on Contract 5070 with Klein & Hoffman, Inc., Fells Reservoir Covered Storage Project - ESDC, in the amount of \$79,174 and to extend the time for completion by four months to October 15, 2000. This amendment increases the cumulative amendment total to \$1,555,789, added to the original contract amount of \$1,663,759, for a revised contract total of \$3,219,548. The FY00-02 CIP contains a budget of \$3,045,000 for Contract 5070; therefore, a contingency transfer of \$79,174 is required to fund this amendment.

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INFORMATION REPORTS

WSCAC Receives Award from American Society for Public Administration

The Board commended the staff of the Water Supply Citizens Advisory Committee (WSCAC), for its receipt of an award from the Massachusetts section of the American Society of Public Administration. The award, given on May 3rd at the State House, was the result of a nomination made by Ryan Ferrara of the MWRA Advisory Board. The WSCAC staff was recognized for its successful efforts in bringing to MWRA, MDC and other public agencies, a focused citizen perspective on water policy and resource management issues.

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This summary does not include every item discussed by the Board, nor the full extent of the discussions. Please contact Nathalie Grady at the Advisory Board Office with questions, comments and requests for additional information.