



Summary of:
MWRA Board of Directors' Meeting
January 28, 1998

[Return to Meeting Summary Page](#)

A meeting of the Board of Directors of the Massachusetts Water Resources Authority was held on January 28, 1998 at the Authority Headquarters in Charlestown. **Present:** Chair Trudy Coxe, Gubernatorial Representative; Norman Jacques, Andrew Pappastergion, Advisory Board Representatives; Joseph MacRitchie, City of Quincy Representative; Vincent Mannering, City of Boston Representative; Lucile Hicks, Don Mitchell, Gubernatorial Representative; Marie Turner, Town of Winthrop Representative. **Absent:** Robert Spinney, City of Boston Representative; John Carroll, Advisory Board Representative.

[Approvals](#)

[Contract Awards](#)

[Contract Amendments/Change Orders](#)

AGENDA

Report of the Chair

No report.

Report of the Executive Director

Mr. MacDonald told the Board that he would be going to Washington the following day with Secretary Coxe and Acting Governor Cellucci to meet with Carol Browner, EPA Administrator, to discuss EPA's decision on the filtration issue. He noted that John DeVillars, EPA Regional Administrator, will attend the meeting as well.

[Top of Page](#)

APPROVALS

MetroWest Water Supply Tunnel - Loring Road (Weston) Covered Storage Tanks, O'Connell Brothers and Barletta Engineering, JV, Notice of Project Change

The Board voted (Ms. Coxe abstained) to authorize staff to proceed with the submission of a Notice of Project Change for the MetroWest Water Supply Tunnel Project, Loring Road Covered Storage Tanks, Contract No. 6203, O'Connell Brothers and Barletta Engineering, JV, and finalize negotiations for a change order to provide a temporary construction easement and access road through an adjacent parcel for the removal of rock excavate and delivery of concrete and other materials in lieu of the specified use of an overland conveyor and concrete pumping station. The filing of the Notice of Project Change is subject to the completion of the negotiations in a manner acceptable to the Authority.

Staff explained that the original plan for rock removal from the site consisted of dropping the material down Shaft W and transporting it through the partially completed MetroWest Tunnel to the Shaft 5A site located adjacent to Route 128. In 1996, with the encouragement of the Advisory Board, the Authority changed this method to the use of an overland conveyor down the hill to a proposed loading station at a cloverleaf adjacent to the Mass Turnpike, which would be used for both rock removal and concrete delivery. This change reduced the cost for handling the rock from an estimated \$7.1 million dollars to approximately \$2 million dollars. The project was bid with the conveyor method as a requirement. This past December, the contractor proposed a plan to purchase land and get a temporary construction easement to truck the rock and concrete. This change will result in a reduction in the contract value of approximately \$1 million and will eliminate construction traffic from residential roads.

Staff noted that they had presented the proposed changes to the Advisory Board. The contractor had asked the Authority to front the money to purchase the land. Advisory Board members expressed concern with that aspect of the proposal and staff was able to rework the plan. Joe Favaloro complimented the MWRA on their efforts. He said that this shows that if you keep looking at a project, you can find ways to make it work better and cost less. "This change is better for the community and for ratepayers."

Extension of Contract Employee, Sewerage Division

The Board voted to approve Stephen Roche, Engineering Assistant (Residuals Department), for one year from February 16, 1998 to February 15, 1999 at an hourly rate of \$13.50. The total contract cost is estimated to be \$15,188 over 50 weeks with an expected work week of 22.5 hours.

[Top of Page](#)

CONTRACT AWARDS

Training for Certified Control Systems Technicians: Crosspoint Engineering

The Board authorized the Executive Director, on behalf of the Authority, to award a sole source contract with Crosspoint Engineering in the amount of \$160,000 for a period of one year for training for Certified Control Systems Technicians.

Staff explained that the Waterworks Metering & Monitoring Section is preparing to implement a reorganization plan that will require higher levels of technical skills for employees. Certain new positions, to be staffed by existing employees, will require Instrument Society of America (ISA) Certified Control Systems Technician Level I as a qualification for these positions. This contract will provide eleven courses over a six to seven month period for sixteen employees. Mr. MacRitchie expressed concern over the high cost for this training program, equivalent to \$10,000 per employee. Board members questioned staff on the training program and the strategy to train future employees. Staff argued that it makes sense to train inhouse workers because of their valuable background knowledge. Mr. MacDonald noted that this strategy fits in with "how we plan to manage and evolve our workforce."

Water Main Construction - Section 93 and 94: P.Gioioso & Sons

The Board approved the award of Contract No. 6138, Water Main Construction, Sections 93 and 94, to the lowest responsive bidder, P. Gioioso & Sons, Inc., and to authorize the Executive Director, on behalf of the Authority, to execute and deliver said contract in the bid amount of \$4,222,555 for a period of 580 calendar days.

This project is one of several projects intended to improve the pumping and distribution capabilities of the Southern Extra High Service water system. The work includes the installation of approximately 7,700 feet of ductile iron water main, an upgrade of Meter 147, and the relocation of about 4,300 linear feet of BWSC water mains to accommodate construction of the MWRA project. The contract price includes \$425,000 to be reserved for final road restoration costs payable to the City of Boston by MWRA. This permit fee must be paid up front and the true cost will be determined after the paving is complete.

Mr. Jacques stated that the Authority moved up the project to accommodate the City of Boston. He noted that the cost for this should be considered when the City determines how much to charge for paving. Mr. Pappastergion stated that he believes the City is charging the Authority to pave the road when it is going to be done any way. Mr. MacRitchie pointed out that if the City charges more than the cost for repaving, it becomes a tax and is illegal.

Bill Brutsch, Director of the Waterworks Division, agreed to send a letter to the City of Boston requesting that the fee be waived in light of the possibility of state funding for the City's paving project. Board members asked staff to keep them informed on the matter.

Legal Services for Electricity Deregulation and Other Energy Matters: Keegan, Werlin & Pabian, LLP

The Board voted to approve the award of a contract to Keegan, Werlin & Pabian, LLP to provide legal services to the Authority for electricity deregulation and other energy matters, and to authorize the Executive Director, on behalf of the Authority, to execute said contract in an amount not to exceed \$30,000 for a period of one year.

Mr. Pappastergion asked what the Authority was using these legal services for. Staff explained that the firm will provide advisory legal services in the energy field. Staff are currently engaged in a public procurement for electric power services as a result of the recent enactment of electricity deregulation in Massachusetts. Additionally, staff

are examining whether to continue or to attempt to modify the current contractual arrangement with Boston Edison for electric power services on Deer Island.

[Top of Page](#)

CONTRACT AMENDMENTS/CHANGE ORDERS

New Neponset Valley Relief Sewer Project: Fay, Spofford & Thorndike

The Board authorized the Executive Director, on behalf of the Authority, to approve Amendment No. 5 to extend the time for completion of Contract No. 5382, New Neponset Valley Relief Sewer Project, with Fay, Spofford & Thorndike, Inc., by two years to July 1999. There is no additional cost associated with this amendment.

The New Neponset Valley Relief Sewer Project has been a \$41 million capital improvement project involving the construction of a major pump station, 3.5 miles of force main, and 4.2 miles of gravity relief sewers. The five construction contracts included under the project have been completed. However, MWRA is currently within the warranty period for the revegetation of the New Neponset Valley Force Main. The time extension is required to provide wetland restoration services after completion of construction. Fay, Spofford & Thorndike is also continuing to provide consultation on the operation of the New Neponset Valley Pumping Station.

South System Pump Station, Dick Corporation

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order 52 to Contract 5733, South System Pump Station, with Dick Corporation, Co., increasing the contract by an amount not to

exceed \$102,262 from \$42,750,317 to \$42,852,580. Further, The Board authorized the Executive Director to approve additional change orders to Contract 5733 in amounts not to exceed the aggregate of \$250,000. The original contract price was \$39,499,000. Change orders now total \$3,353,580.

Staff explained that the current forecasted date for the Inter-Island Tunnel's substantial completion is January 30, 1998. Since it is estimated that the filling of the Tunnel and South System Pump Station wetwell will take several weeks, the Inter-Island Tunnel will not be ready to support re-performance of functional testing of the wastewater pumping and electrical systems until early March. This change order will extend the Protective Maintenance Program until March 5, 1998, at which time the program will be terminated.

Ancillary Deer Island Modifications - Phase II, R. Zoppo Corp.

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order 18 to contract 6040, Ancillary Deer Island Modifications - Phase II, with R. Zoppo Corp., increasing the contract by an amount not to exceed \$16,000 from \$4,550,123 to \$4,566,123. Further, the Board authorized the Executive Director to approve additional change orders to Contract 6040 in amounts not to exceed the aggregate of \$250,000. A contingency transfer is required. The original contract price was \$4,248,353. Change orders now total \$317,770.

This change order will allow the contractor to provide assistance in executing loop testing of final field devices to Contract 5546, the Process Instrumentation and Control System (PICS). The requirement for this contractor to assist the PICS contractor during loop testing was omitted from the scope of work for this contract.

MetroWest Water Supply Tunnel Project, Middle Tunnel Segment (CP2), Shea, Traylor and Healy, JV

The Board voted to authorize the Executive Director, on behalf of the Authority, to approve Change Order 10 to Contract 6055, MetroWest Water Supply Tunnel Project, Middle Tunnel Segment, increasing the contract amount by \$527,480, from \$252,058,253 to \$252,585,733 and extending the completion date by 35 calendar days from February 4, 2003 to March 11, 2003. Further, the Board authorized the Executive Director to approve additional change orders as may be needed to Contract 6055 in amounts not to exceed the aggregate of \$250,000.

This contract includes excavation and lining of 11.8 miles of the MetroWest Tunnel from Southborough to Weston, the excavation and lining of seven shafts connecting surface facilities to the tunnel, and associated valves, piping and appurtenances at each shaft site. According to staff, a differing subsurface condition was encountered in the soil overburden during shaft L construction. The greater thickness of dense soils and the greater number of boulders differed substantially and materially from conditions indicated in the Geotechnical Design Summary Report. These conditions hindered shaft construction activities and required additional work.

Nash Hill Reservoir Covered Storage Project, Montgomery Watson

The Board authorized the Executive Director, on behalf of the Authority, to execute Amendment 3 to Contract 6077 with Montgomery Watson, Inc., Nash Hill Reservoir Covered Storage Project, increasing the contract by an amount not to exceed \$388,488, from \$1,403,861 to \$1,792,349 and extending the term of the contract by five months from December 31, 2000 to May 30, 2001. The original contract price was \$1,155,861. Amendments now total \$636,488.

Montgomery Watson is providing professional services for the design, environmental permitting, construction administration, and resident inspection of two 12.5 million gallon, prestressed concrete distribution storage tanks at Nash Hill in Ludlow. Staff explained that over the last year, as the design has progressed to the construction bidding stage, additional information has become available to indicate that the level of effort for Construction Administration and Resident Inspection needs to be increased.

Water Pumping Station Rehabilitation Design/CA/RI, Phase II: Fay, Spofford & Thorndike

The Board voted to authorize the Executive Director, on behalf of the Authority, to execute Amendment 5 to Contract 5077 with Fay, Spofford & Thorndike, Inc., for Water Pumping Stations Rehabilitation Design/CA/RI increasing the contract amount by \$1,190,000, from \$3,471,045 to \$4,661,045, for additional construction administration and resident

engineering services and extending the contract term by 10 months from February 28, 1998 to December 31, 1998. The original contract amount was \$1,400,427. Amendments now total \$3,260,618.

The Water Pumping Stations Rehabilitation Project improves the reliability, capacity and efficiency of the Gillis (formerly Spot Pond), Lexington Street, and Newton Street pumping stations. This contract provides design, construction administration and resident inspection services for rehabilitating the three pumping stations. This amendment will extend the services to the end of 1998, primarily as a result of changes to monitoring and control strategy.

Electric Power Procurement Advisory Services: LaCapra Associates

The Board authorized the Executive Director, on behalf of the Authority, to execute Amendment 2 to Contract A335 with LaCapra Associates for Electric Power Procurement Advisory Services, increasing the contract amount by \$25,000, from \$31,250 to \$56,250, and extending the contract six months to May 21, 1998.

Staff explained that LaCapra has been providing expert assistance to MWRA in conducting its first competitive procurement of electricity under deregulation. The consulting services will only be needed through the procurement process.

CSO Sodium Hypochlorite Systems Evaluation, Design and ESDC: PEER Consultants, PC

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 No. S252, CSO Sodium Hypochlorite Systems Evaluation, Design and ESDC, with PEER Consultants, in the amount of \$130,400 and to extend the time for completion by 485 days to May 31, 1999.

This amendment includes piping and HVAC repairs necessary for safe and efficient operation of the facilities. The changes were identified in the final air monitoring and evaluation report. Also included in this amendment are costs and an extension of time related to the lengthy MWRA reviews of the draft and final air monitoring protocol and evaluation reports, and for additions to the original scope of work.

[Top of Page](#)