

The Narragansett Bay Commission
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Vincent J. Mesolella
Chairman

Raymond J. Marshall, P.E.
Executive Director



OFFICIAL MINUTES OF:

Meeting of:	CEO Committee Meeting
Date:	September 23, 2009
Time:	9:30 a.m.

MEMBERS PRESENT:

Vincent J. Mesolella, NBC Chairman
Michael Salvatore, CEO Chairman
Robert Andrade
Jonathan Farnum
John MacQueen
Al Montanari
Richard Worrell

MEMBERS ABSENT:

Angelo Rotella
Leo Thompson

STAFF AND GUESTS PRESENT:

Raymond J. Marshall, Executive Director
Richard Bernier, NBC
Tom Brueckner, NBC
Karen Musumeci, NBC
Joe Pratt, Louis Berger Group
Thomas Uva, NBC
Paul Nordstrom, NBC
Jamie Samons, NBC
Jennifer Harrington, NBC
Art Sheridan, NBC
Mark Thomas, NBC
Terry Cote, NBC
Lori Vernon, NBC
Joanne Maceroni, NBC
Laurie Horridge, NBC

Deborah Samson, NBC
Maureen Gurghigian, FSC

1. Call to Order

Recognizing a quorum, Chairman Salvatore called the September 23, 2009 Construction/Engineering/Operations (CEO) Committee Meeting to order at 9:35 a.m.

2. Approval of Minutes – September 23, 2009 CEO Committee

Chairman Salvatore asked for a motion to approve the July 22, 2009 CEO Committee Meeting minutes as written. Commissioner Montanari moved to approve the minutes of the July 22, 2009 CEO Committee as written. Commissioner Andrade seconded the motion. The vote taken by the CEO Committee was unanimous. The motion carries.

3. Items for Action

A. Review and Approval of Resolution 2009:24; Award of Contract 302.14C – Tunnel Odor Control

Executive Director Raymond Marshall advised that this project is associated with our CSO tunnel which went on line in November of 2008. Odors have been observed at the upstream end of the tunnel and complaints have been received from the abutting neighbors. NBC has been meeting with neighbors over the last several months to keep them apprised of our efforts to provide a solution. This contract will be a design build contract for an odor control facility to address the issue. This will be achieved by providing positive odor control at the Foundry Shaft by mechanically ventilating the shaft to prevent odorous air from escaping and treating the odorous air using activated carbon adsorption.

On July 8, 2009 the NBC advertised a Request for Qualifications/proposals for a Design/Build contract for an Odor Control Facility through our CSO Program Manager Louis Berger Group (LBG). The RFQ/P asked for a partial design of the facility and a Guaranteed Maximum Price (GMP). On August 11, 2009 two proposals were received. The GMP's were \$1,389,795 and \$1,639,580.

A Project Management Team consisting of five NBC Staff, two LBG personnel and an odor control consultant reviewed the two proposals that were received. Hart Engineering Corp. with Wright Pierce proposed a solution that included the lowest GMP at \$1,389,795 and also provided a solution that best fit NBC's needs. All members of the Project Management Team ranked Hart substantially higher than the other proposer (Daniel O'Connell's Sons, Inc. with Pare Engineering).

We respectfully request the Committee's approval of Resolution 2009:24, Award of Contract 302.14C Tunnel Odor Control to Hart Engineering Corp. of Cumberland, RI in the amount of \$1,389,795 as they have been determined to have submitted the best proposal. The award is subject to the RI Department of Administration's approval of the Contractor's MBE plan and EEO requirements.

Commissioner Farnum motioned to approve Resolution 2009:24, Award of Contract 302.14.C-Tunnel Odor Control. Commissioner Macqueen seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

B. Review and Approval of Resolution 2009:25; Award of Contract 707:00C-Lincoln Septage Equipment Replacement

Executive Director Raymond Marshall advised that the treatment unit that will be replaced at the Lincoln Septage Station is used to remove rocks, grit, sand and other large objects from the discharge from the septage tank trucks that use the facility. It separates the debris from the liquid septage and stops the debris from ending up in our interceptor pipes causing blockages. This unit gets a significant workout and is subject to very corrosive materials. The existing unit has outlived its' useful life.

NBC services approximately 300 trucks per month and receives quite a bit of revenue from this facility since there are large areas of Cumberland and Lincoln that are still un-sewered as well as parts of Smithfield and other communities outside of our district. Mr. Marshall noted that there are only a few facilities in the State that except this material.

Three bids were received for this project, Hart Engineering Corporation, \$356,000, Eastern Piping & Engineering, \$ 399,456 and Arden Engineering, \$402,400.

Staff evaluated the qualifications and the bid proposal for the lower bidder for the purpose of establishing the firm's capability to successfully complete this construction Project. Hart Engineering Corporation of Cumberland, RI is the lowest, responsive, responsible bidder.

We respectfully request the Committee's approval of Resolution 2009:25; Award of Contract 707:00C-Lincoln Septage Equipment Replacement to Hart Engineering Corporation in the amount of \$356,000, subject to DOA approval of the MBE plan and EEO requirements.

Commissioner MacQueen motioned to approve Resolution 2009:25; Award of Contract 707:00C-Lincoln Septage Equipment Replacement. Commissioner Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

C. Review and Approval of Resolution 2009:26; Award of Contract 122.00C-Flow Control Efficiencies at the Ernest Street Pump Station

Executive Director Raymond Marshall advised that this is a project that was identified several months ago and involves the purchase and installation of four Variable Frequency Drives (VFD) and modifications to the existing 2.4 kV service at the Ernest Street Pump Station. This installation will allow us to pump flows into the treatment plant at Field's Point in a more efficient manner. It will allow us to more effectively introduce flow into the plant and will also help us to use less electricity in terms of the total amount of flow being pumped.

Two bids were received for this project. E.W. Audet & Sons Inc. \$1,097,000 and Fall River Electrical Associates Co., Inc. \$1,113,000. Staff evaluated the qualifications and the bid proposal of the low bidder for the purpose of establishing the firm's capability to successfully complete this construction Project. E. W. Audet & Sons Inc. of Providence, RI was the lowest, responsive, responsible bidder.

We respectfully request the Committee's approval of Resolution 2009:26 to award Contract 122.00C-Flow Control Efficiencies at the Ernest Street Pump Station to E.W. Audet & Sons, Inc. in the amount of \$1,097,000 subject to DOA approval of the MBE plan and EEO requirements.

Commissioner Andrade motioned to approve Resolution 2009:26; Award of Contract 122:00C-Flow Control Efficiencies at the Ernest Street Pump Station. Commissioners MacQueen and Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

D. Review and Approval of Resolution 2009:27; Authorization to Enter into an Agreement for Contract 09:809-00D with CDM to Provide Professional Engineering Services for Design of Upgrade for Nitrogen Removal and Other Improvements at the Bucklin Point Wastewater Treatment Facility

Executive Director Raymond Marshall advised that in January 2008 the Board of Commissioners approved a resolution authorizing staff to enter into an agreement with CDM for Contract 08:809P for Professional Engineering Services. CDM was selected perform the work, a Facility Plan Amendment for Nitrogen Removal and other improvements at the Bucklin Point WWTF, through a Request for Qualification and Proposal (RFQ/P) submittal process which was in conformance with our procurement procedure. The Facility Plan Amendment was a result of a November 2007 engineering analysis which concluded that the existing two stage configuration of the biological process designed to meet the Total Nitrogen limit of 8mg/L could not meet the new revised RIDEM seasonal permit limit for Total Nitrogen of 5mg/L.

The final Facility Plan Amendment was submitted to DEM for approval in July, 2009. The plan recommends that the biological tanks be upgraded to a four stage process and the abandoned gravity thickener tanks be converted to nitrogen load equalization basins. In addition as a result of our Asset Management Program several other improvements at the Bucklin Point WWTF have been identified to maintain reliable operation of the facility and include the upgrade of the outdated 600 Volt electrical system, 600 V equipment and fire alarm system at the older building at the plant, replacement of the original mechanisms in the six secondary clarifiers, evaluation of the integrity of the WWTF flood-protection berm; and replacement of the Dissolved Air Flotation sludge thickening system. Construction of these upgrades has been estimated at \$25.3 million. CDM has estimated the cost for design of these improvements a \$2.2 million based on a lump sum contract.

The provisions of staff recommendations and Board's award of the Facility Planning contract in January 2008 stated that if CDM completed the Facilities Planning Amendment to NBC's satisfaction, the NBC may choose to enter into additional contracts with CDM for design and construction related services. The NBC has been satisfied with the work completed to date by CDM.

We respectfully request the Committee's approval of Resolution 2009:27 Authorization to Enter into an Agreement for Contract 09:809-00D with CDM to Provide Professional Engineering Services for Design of Upgrade of Nitrogen Removal and Other Improvements at the Bucklin Point Wastewater Treatment Facility for a cost not to exceed \$2.2 million.

There was a brief discussion between staff and the Committee members relative to the Consent Agreement .

Chairman Mesolella motioned to approve Resolution 2009:27, Authorization to Enter into an Agreement for Contract 09:809-00D with CDM to Provide Professional Engineering Services for Design of Upgrade of Nitrogen Removal and Other Improvements at the Bucklin Point Wastewater Treatment Facility. Commissioners Montanari, Farnum and MacQueen seconded the motion. There was further discussion regarding Nitrogen limits with clarification from staff that the Consent Degree for both the Field's Point and Bucklin Point is 5mg/l. The vote taken by the CEO Committee was unanimous. The motion carries.

E. Review and Approval of Resolution 2009:28; Authorization of Increase of Procurement Amount for Wonderware Software Project #809

Executive Director Raymond Marshall advised that in May 2009 the Board approved a Resolution authorizing staff to procure software for wastewater process control from Wonderware Northeast for an amount not to exceed \$115,000. Wonderware's proposal of \$115,000 provided for the software licensing, annual maintenance specified in the RFQ/P, Rovysis hardware required for the Wonderware solution and a contingency.

Since the authorization was made the NBC staff has been working with Wonderware Northeast to better determine the NBC's needs to implement the conversion and operate our two wastewater facilities. NBC in discussions with Wonderware has determined that the number of runtime licenses specified in the RFQ/P was insufficient to effectively operate both Bucklin Point and Field's Point wastewater treatment facilities. The determination was that twenty (20) runtime licenses would be required vs. the seven (7) specified. Another change from the specification was the amount of input/output tags (from 5,000 to 12,000) to be provided, the number of application server platforms and NBC's decision to use "Thin Client" Technology as the basis of the design. This technology provides better security for the control system against computer hackers and limits access to the Internet.

Wonderware Northeast did submit a revised quotation inclusive of the additional licensing and number of input/output tags staff has estimated that including the Rovysis hardware required for the Wonderware solution, addition of "Thin Client" technology and the contingency an amount of \$180,000 is recommended. It is noted that Wonderware is still the preferred vendor based on qualifications and cost. The authorization in May 2009 in the amount of \$115,000 would increase \$65,000 to an amount not to exceed \$180,000.

We respectfully request the Committee's approval of Resolution 2009:28; Authorization for Increase of Procurement Amount for Wonderware Software Project #809

Chairman Mesolella motioned to approve Resolution 2009:28; Authorization for Increase of Procurement Amount for Wonderware Software Project #809. Commissioners Macqueen and Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

F. Review and Approval of Resolution 2009:29; Authorization for HMI Integration Services Procurement Project #809

Executive Director Raymond Marshall advised that in July 2009 the NBC issued a Request for Qualifications and Cost Proposals for HMI (Human Machine Interface) Integration Services. The services involve converting the existing ABB and Siemens process control system HMI software at both the Field's Point and Bucklin Point respectively to Wonderware's Archestra HMI Software.

Seven firms submitted proposals to provide the integration services. The Review Committee evaluated all submissions based on experience of the firm, support capabilities, project management and organization, financial strength, proposed schedule and implementation. Four firms were selected for further evaluation of their cost proposals, Applied Control Engineering \$1,690,000, CDM \$592,190, Maverick Technologies \$670,284 and Optimization \$649,581. Ace withdrew from further consideration after learning their cost proposal was significantly higher than the other firms. The final three firms were interviewed and the interviews clearly and distinctly separated Optimization from the other two firms based on their wealth of experience and expertise especially in dealing with the particular control systems we currently have at Bucklin Point (Siemens) and Field's Point (ABB). Financial strength, proposed schedule and implementation were all evaluated and Optimization had the highest overall score of the three proposers.

We respectfully request the Committee's approval of Resolution 2009:29 authorizing staff to negotiate a contract with Optimization for an amount not to exceed \$650,000 to provide HMI Integration Services for the Field's Point and Bucklin Point WWTFs.

Commissioner Montanari motioned to approve Resolution 2009:29, Authorization for HMI Integration Services Procurement Project #809. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

G. Review and Approval of Resolution 2009:30; Authorization to Acquire Easements Necessary to Access and Maintain NBC Interceptors Located in the Town of Cumberland

Executive Director Raymond Marshall advised Committee members that many of NBC's interceptors are not located in public rights of way, but in overland areas that run through private property and that there is difficulty in accessing these easements due to vegetative growth and terrain. Also these easements have become overgrown and in many instances, the sewer interceptor is difficult to locate. The purpose of this project is to locate these interceptors and easements through field survey and then to clear the easement sufficiently to provide access for maintenance crews and equipment. It is anticipated that every community in the NBC service area will be completed over the next several years.

NBC has two interceptors the Abbott Valley Interceptor and the Blackstone Valley Interceptor in the Town of Cumberland that are in overland areas that have become overgrown, making maintenance of these interceptors difficult. We are currently conducting mapping and surveying of these interceptors to verify that they are located in an NBC easement and during this process it has been determined that some easements of record are not adequately or properly described or in some cases there are no easements of record. Therefore it is necessary for NBC to acquire new easements or modify existing easements. NBC will negotiate with private property owners. In those instances where negotiation is unsuccessful or impractical it will be necessary for NBC to acquire the easement by eminent domain.

We recommend that Resolution 2009:30 be adopted. It will allow the Executive Director to acquire easements for the Abbott Valley and Blackstone Valley Interceptors in Cumberland by good faith negotiation or if unsuccessful or impractical by eminent domain.

There was a discussion between Committee members and staff regarding the identification of the number of easements that might need to be acquired and the legal process required to acquire these easements. Staff answered all Commissioners questions.

Commissioner MacQueen motioned to approve Resolution 2009:30, Authorization to Acquire Easements Necessary to Access and Maintain NBC Interceptors Located in the Town of Cumberland . Commissioner Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

4. Other Business

There was no other business to report.

5. Adjournment

A motion to adjourn was made by Chairman Mesolella, seconded by Commissioner Farnum and the CEO Committee meeting adjourned at 10:30 a.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Raymond J. Marshall". The signature is fluid and cursive, with the first name being the most prominent.

Raymond J. Marshall, P.E.
Executive Director/Secretary