

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 28, 2011
Time:	9:00 a.m.

**MEMBERS PRESENT:**

Michael Salvadore, CEO Chairman  
Jonathan Farnum  
Vincent J. Mesolella  
John MacQueen  
Leo Thompson  
Richard Worrell

**MEMBERS ABSENT:**

Robert Andrade  
Al Montanari  
Angelo Rotella

**STAFF AND GUESTS PRESENT:**

Raymond J. Marshall, Executive Director  
Paul Nordstrom, NBC  
Deborah Samson, NBC  
Tom Brueckner, NBC  
Tom Uva, NBC  
Joe Pratt, Louis Berger Group  
Rich Bernier, NBC  
Karen Musumeci, NBC  
Linda George, RI Senate Policy Office  
Kathryn Kelly, NBC

Laurie Horridge, NBC  
Jennifer Harrington, NBC  
Laurie Vernon, NBC  
Karen Giebink, NBC  
Sherri Arnold, NBC  
Mark Thomas, NBC  
Pam Duckworth, NBC  
Joanne Maceroni, NBC

**1. Call to Order**

Recognizing a quorum, CEO Chairman Salvadore called the September 28, 2011 Construction/Engineering/Operations (CEO) Committee Meeting to order at 9:14 a.m.

**2. Approval of Minutes – June 15, 2011 CEO Committee**

Chairman Salvadore asked for a motion to approve the June 15, 2011 CEO Committee Meeting minutes as written. Commissioner Farnum moved to approve the minutes of the June 15, 2011 CEO Committee

as written. Commissioner MacQueen 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 2011:30; Contract 303.12C-CSO Control Facilities Program Phase II-SCSOI Regulator Recommendation for Award (Amount \$598,000)**

Mr. Marshall advised seven bids for construction Contract 303.12C CSO Control Facilities Program Phase II – SCSOI Regulator were received by the Commission’s Procurement Section on September 7, 2011. The contractors and their bids are:

R. P. Iannuccillo & Sons Construction Co.	\$ 598,000
Cardi Corporation	\$ 952,500
Digregorio, Inc.	\$ 966,261
John Rocchio Corporation	\$1,025,025
J. H. Lynch & Sons, Inc.	\$1,089,010
CRC Company	\$1,237,000
P. Gioioso & Sons, Inc.	\$1,499,045

This contract is the fifth contract to be bid under the DEM mandated Phase II CSO Program. It entails construction of a new regulator at OF 025 on the Seekonk CSO. By constructing the new regulator more flow will be allowed to go to the interceptor during storms and we are adding meters to monitor flow.

Mr. Marshall stated that R. P. Iannuccillo & Sons Construction Co.(RPI) submitted the low bid of \$598,000. This bid is 37.2% lower than the second low bid. He noted that RPI has successfully completed several contracts for the NBC in the past.

As with all projects of this size and complexity there will be ancillary costs associated with the project including but not limited to: advertising, printing, police details, specialty engineering consultants (maximum contract ceiling of \$20,000), material/soil testing firm and staff time associated with contract inspection and administration.

Lastly, Louis Berger Group (LBG) has evaluated the qualifications and the bid proposal of the low bidder and has checked references for the purpose of establishing the firm’s capability to successfully complete this construction project. LBG has recommended that the Commission award the Contract for the construction of Contract 303.12C - CSO Control Facilities Program Phase II – SCSOI Regulator to R. P. Iannuccillo & Sons Construction Co. of Providence, RI because LBG has determined that R. P. Iannuccillo & Sons Construction Co., Inc. is the lowest, responsive, responsible bidder .

We respectfully request your approval of Resolution 2011:30 awarding the contract to R. P. Iannuccillo & Sons Construction Co. for a cost not to exceed \$598,000 subject to the approval of the Contractor’s MBE/WBE plan and EEO requirements by the Rhode Island Department of Administration.

Commissioner MacQueen made a motion to approve Resolution 2011:30, Authority to Award Contract 303.12C - CSO Control Facilities Program Phase II – SCSOI Regulator Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**B. Review and Approval of Resolution 2011:31; Contract 303.10C-CSO Control Facilities Program Phase II-WCSOI North Recommendation to Award (Amount \$5,368,000)**

Mr. Marshall advised that five bids for construction Contract 303.10C CSO Control Facilities Program Phase II – WCSOI North were received by the Commission’s Procurement Section on September 14, 2011. The contractors and their bids are:

Cardi Corporation	\$5,368,000
Digregorio, Inc.	\$6,213,747
J. H. Lynch & Sons, Inc.	\$6,338,000
Rocchio-Barletta Heavy, LLC	\$6,970,000
P. Gioioso & Sons, Inc.	\$7,098,492

This contract is the sixth contract to be bid under the DEM mandated Phase II CSO Program. It entails construction of approximately 1500’ of 18” to 48” pipe, 3 regulator structures and seven manholes in Davis Park, Providence.

Mr. Marshall stated that Cardi Corporation (Cardi) submitted the low bid of \$5,368,000. This bid is 13.6% lower than the second low bid. He noted that Cardi is a well know RI company which has completed a vast number of projects for RIDOT.

As with all projects of this size and complexity there will be ancillary costs associated with the project including but not limited to: advertising, printing, police details, specialty engineering consultants (maximum contract ceiling of \$20,000), material/soil testing firm and staff time associated with contract inspection and administration.

Further Louis Berger Group (LBG) has evaluated the qualifications and the bid proposal of the low bidder and has checked references for the purpose of establishing the firm’s capability to successfully complete this construction project. LBG has recommended that the Commission award the Contract for the construction of Contract 303.10C - CSO Control Facilities Program Phase II – WCSOI North to Cardi Corporation of Warwick, RI because LBG has determined that Cardi Corporation. is the lowest, responsive, responsible bidder.

Therefore, we respectfully request your approval of Resolution 2011:31 awarding the contract to Cardi Corporation for a cost not to exceed \$5,368,000 subject to the approval of the Contractor’s MBE/WBE plan and EEO requirements by the Rhode Island Department of Administration.

Commissioner Farnum made a motion to approve Resolution 2011:31; Contract 303.10C-CSO Control Facilities Program Phase II-WCSOI North. Commissioner Thompson seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**C. Review and Approval of Resolution 2011:32; Award of Contract 306.00RS- Construction Related Engineering Services for Floatable Control Project, Outfalls, 205, 219 and 220, Construction Contract 306.00 (Amount \$130,000)**

Mr. Marshall advised that The Louis Berger Group (LBG) has completed the design of the Floatables Control Project, Outfalls 205, 219 and 220 and will be ready to advertise for bids shortly. The construction of this project is estimated at \$2,000,000.

He stated that LBG has performed well under the design contract, therefore, we asked them to submit a proposal for the construction related engineering services which include professional services for technical support, shop drawing review, O&M Manual, start-up, training and assistance during the first year of operation. He noted that the NBC will be performing all resident field inspection services in house.

He advised that LBG has submitted a proposal and we have negotiated a cost ceiling of \$130,000 which includes a 5% contingency. LBG's proposal is fair and reasonable to perform the required services for this Contract. Therefore, I recommend award of this contract to LBG Consultants Inc for a cost not to exceed \$130,000.

Commissioner MacQueen made a motion to approve Resolution 2011:32 Award of Contract 306.00RS- Construction Related Engineering Services for Floatable control Project, Outfalls, 205, 219 and 220, Construction Contract 306.00. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**D. Review and Approval of Resolution 2011:33; Award of Contract 809.00RS- Construction Related engineering Services for Bucklin Point Wastewater Treatment Facility Improvements, Construction Contract 809.00C (Amount \$3,150,000)**

Mr. Marshall advised that Camp, Dresser & McKee, Inc. (CDM) recently completed the design of Bucklin Point Wastewater Treatment Facility Improvements, Contract 11-809.00C. Bids will be received by the Commission on September 29, 2011 with an anticipated construction cost of approximately \$45,000,000.

He stated that CDM has performed well under the design contract. Therefore, we asked them to submit a proposal for the construction related professional and technical engineering services necessary to provide technical support, shop drawing review, O&M Manual, start-up, training, assistance during the first year of operation and limited inspection services. He noted that the NBC will be performing most of the resident field inspection services in house.

CDM submitted a proposal and we have negotiated a cost ceiling of \$3,150,000 to provide their services which, includes a 5% contingency. We have determined that CDM's proposal is fair and reasonable to perform the required services for this Contract. Therefore, I recommend award of this contract to Camp Dresser and McKee, Inc. for a cost not to exceed \$3,150,000.

We respectfully request approval of Resolution 2011:33 awarding the contract to Camp, Dresser & McKee, Inc.

Commissioner Worrell recuses himself.

Commissioner Thompson made a motion to approve Resolution 2011:33 Award of Contract 809.00RS- Construction Related Engineering Services for Bucklin Point Wastewater Treatment Facility Improvements, Construction Contract 809.00C. Commissioner Farnum seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**E. Review and Approval of Resolution 2011:34; Authorization to Negotiate a Contract for Design Services Contract 211:302.21D-Update NBC's Hydraulic Model using Mike Urban Software (Amount \$203,000)**

Mr. Marshall advised that a computer model of the combined sewer system in Providence was developed during the planning phase of NBC's Combined Sewer Overflow Control Program to assist in the design of the Phase I CSO Facilities and the model was further updated during the recently completed design of the Phase II CSO Facilities. The model did not include NBC sewers in the Towns of North Providence and Johnston because the sewers in these communities are not combined and therefore were not modeled as part of the CSO Project. The reasons behind the expanded model include:

- 1.) In April 2008, EPA issued an Administrative Order (AO) jointly to the Town of North Providence and NBC to address problems with the Town of North Providence sewer system. The AO specifically required NBC to do hydraulic modeling and flow capacity analyses of NBC sewers within a specific problem area of the Town. Now, NBC would like to expand the model to address capacity issues throughout the Town.
- 2.) A Facilities Plan was recently prepared by NBC for the Town of Johnston which provides for substantial expansion of the Town sewer system over the next 20 years, including a tie in of the Rhode Island Resource Recovery Corporation (RIRRC). We know we can accept flows from RIRRC and the area in Town that will be part of that project however we would like to expand the model to also include the other NBC interceptors in Johnston. We will then be able to determine if and when our interceptors will need to be upgraded to accommodate future flows from the Town as they expand their service area.

He stated that expansion of the hydraulic model to Johnston and North Providence will result in a single contiguous model covering all our interceptors in the Field's Point service area. This will allow us to determine the impact of any expansions or changes in specific areas of the sewered area on the entire Field's Point sewer system.

NBC issued a Request for Qualifications and Proposals (RFQ/P) in July 2011 to update the existing hydraulic model to include the NBC interceptors in the Towns of North Providence and Johnston. We received proposals in response to the RFQ/P from four (4) firms: CDM, CH2M Hill, DHI and Malcolm Pirnie.

In accordance with NBC Procurement Regulations a review committee consisting of NBC engineering department staff conducted a review and rating of the proposals. The average rating of the three reviewers and the cost of the proposals is provided in the table below.

<b>Firm</b>	<b>Cost</b>	<b>Rating</b>	<b>Rank</b>
<b>CH2M Hill</b>	<b>\$184,596.71</b>	<b>93</b>	<b>1</b>
<b>CDM</b>	<b>\$157,713.06</b>	<b>81</b>	<b>2</b>
<b>DHI Group/Pare</b>	<b>\$221,569.42</b>	<b>60</b>	<b>3</b>
<b>Malcolm Pirnie</b>	<b>\$248,400.00</b>	<b>51</b>	<b>4</b>

CH2M Hill was the highest rated proposal but had a higher cost than CDM who rated second in the review. However, the review committee agreed that the key staff proposed by CH2M Hill had more experience using Mike Urban hydraulic modeling software than the team proposed by CDM and that this higher level of experience justified the additional cost.

The cost for CH2M Hill's proposal is slightly under \$185,000. We would like to add a 10% contingency for unanticipated costs that may arise during the project for a total cost of \$203,000. In addition to the costs for the design contract, this project will also include administrative costs for NBC labor and other costs.

Therefore, it is recommended that the Board approve Resolution 2011:34 authorizing staff to negotiate a contract with CH2M Hill to provide engineering services to upgrade NBC's existing hydraulic model to include the Towns of North Providence and Johnston for an amount not to exceed \$203,000.

Commissioner MacQueen made a motion to approve Resolution 2011:34; Authorization to Negotiate a Contract for Design Services Contract 211:302.21D-Update NBC's Hydraulic Model using Mike Urban Software. Commissioner Worrell seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**F. Review and Approval of Resolution 2011:35; Request to Rebuild Four Ernest Street Pump Station Motors (Amount \$265,000)**

Raymond Marshall stated that back in March of 2011, the Board of Commissioners approved the purchase of a new 300 horsepower, 2400 volt motor for one of the five (5) 40 MGD pumps at the Ernest Street Pump Station. As noted in the original memo to the Board, Operation Division staff was quite concerned at the overall cost for the motor replacement (\$183,000 to purchase plus installation costs). Furthermore, the deliver time was estimated to be thirty (30) weeks. Since we really had no choice at that time the motor was ordered and is expected to be delivered in early October.

There are a total of eight (8) pumps at the station which was built in the early 1990's. The motors are energy efficient and have been very reliable but they have approximately twenty years of use. As staff noted in presenting the information to the Board in March, we wanted to spend some time trying to develop a more cost effective way of extending the life of the other seven motors to avoid the cost of purchasing new motors for all the pumps.

Our research has led us to conclude it would be far more cost effective for us to refurbish the motors we currently have in place. The manufacturer has looked at one of our existing motors and has recommended that we change the upper bearing and lower bearing housing and install grease lubricated bearings. The added benefit of refurbishing the motors in this manner will be that these pumps will be more compatible with the Variable Frequency Drives (VFDs) currently being installed on four of the pumps. The manufacturer has indicated that it would cost up to \$50,000 to refurbish each motor (the cost varies because we have two different size motors and the extent of the repair will not be ascertained until they do the actual bearing replacement). The work can also be done in their shop with an approximate eight (8) week turnaround time. Given that the recently approved new pump motor cost \$183,000 plus installation, this is a far more reasonable way to proceed.

We would like to begin to systematically refurbish four (4) of the existing motors - two (2) 200 horsepower (20 MGD) and two (2) 300 horsepower (40 MGD) pump motors. We ask that we be allowed to do this under Capital Project No. 116.01C, FPWWTF Pump Replacement, in the amount of \$200,000 to refurbish the motors plus \$65,000 for installation and engineering for a total of \$265,000 on this request.

Commissioner MacQueen made a motion to approve Resolution 2011:35: Request to Rebuild Four Ernest Street Pump Station Motors Commissioners Farnum, Thompson and Worrell seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

**4. Other Business**

None.

**5. Adjournment**

A motion to adjourn was made by NBC Chairman Mesoella, seconded by Commissioners Farnum and MacQueen and the CEO Committee meeting adjourned at 9:50 a.m.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Raymond J. Marshall".

Raymond J. Marshall, P.E.

*Executive Director/Secretary*