



OFFICIAL MINUTES OF:

Meeting of:	CEO Committee Meeting
Date:	May 28, 2014
Time:	10:00 a.m.

MEMBERS PRESENT:

John MacQueen, Chairman
Robert Andrade
Vincent Mesoella
Al Montanari
Angelo Rotella
Richard Worrell

MEMBERS ABSENT:

Jonathan Farnum

STAFF AND GUESTS PRESENT

Raymond J. Marshall, Executive Director
Jennifer Harrington, NBC
Karen Musumeci, NBC
Paul Nordstrom, NBC
Tom Uva, NBC
Laurie Horridge, NBC
Joanne Maceroni, NBC
Terry Cote, NBC
Art Sheridan, NBC
Mark Thomas, NBC
Sherri Arnold, NBC
Gail Degnan, NBC
Shay McCauley, NBC
Deborah Samson, NBC

Joe Pratt, Louis Berger Group
Tom Brueckner, NBC
Leah Foster, NBC
Cecille Antonelli, NBC
Karen Giebink, NBC
Jamie Samons, NBC
Commissioner Leo Thompson, NBC
Commissioner Richard Burroughs, NBC

1. Call to Order

Recognizing a quorum, CEO Chairman MacQueen called the May 28, 2014 Construction/Engineering/Operations (CEO) Committee Meeting to order at 10:05 a.m.

2. Approval of Minutes – March 25, 2014 CEO Committee

CEO Chairman MacQueen asked for a motion to approve the March 25, 2014 CEO Committee meeting minutes as written.

Commissioner Montanari moved to approve the minutes of the March 25, 2014 CEO Committee. 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 2014:08; Approval of Fiscal Year 2016-2020 Capital Improvement Program

Mr. Marshall advised the members of the CEO Committee that the Presentation regarding the review and approval of the FY 2016-2020 Capital Improvement Plan will be held at Board of Commissioners meeting.

B. Review and Approval of Resolution 2014:13; Contract 304.71M-78 Inch Interceptor Cleaning and Maintenance Project-Recommendation for Award

Mr. Marshall advised that two bids for 304.71M – 78 Inch Interceptor Cleaning and Maintenance were received by the Commission’s Procurement Section on May 7, 2014. The contractors and their bids were:

Pipe and Plant Solutions, Inc.	\$349,490.00
National Water Main Cleaning Co.	\$479,230.00

The need for this contract was identified by our Engineering Section and Interceptor Maintenance Section as in need immediate of cleaning. NBC had previously engaged the services of Stantec (304.57P) to inspect the Providence River siphon and connecting pipe lines. This section of the pipe could not be inspected because of excessive quantities of rags and grit.

Pipe and Plant Solutions, Inc. submitted the low bid of \$349,490. We believe this is a favorable cost for the Commission as it is significantly below the cost of the second low bidder and the Engineer’s estimate of \$500,000. We have discussed the costs with the low bidder and they are comfortable with their price. This Contract will be funded through Capital financing.

Pipe and Plant Solutions has an impressive resume of similar work being successfully completed in the past. We checked with several previous clients and found their recommendations to all be positive. The Contractor must adhere to the Contract requirements for MBE/WBE compliance, including state approval of his MBE/WBE Plan.

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.

Staff has evaluated the qualifications and the bid proposal of the bidder and has checked references for the purpose of establishing the firm's capability to successfully complete this construction project. Staff recommends that the Commission award the Contract for Contract 304.71M – 78 Inch Interceptor Cleaning and Maintenance Project to Pipe and Plant Solutions, Inc. of San Francisco, CA because staff has determined that Pipe and Plant Solutions, Inc. is the lowest, responsive, responsible bidder.

We respectfully request your approval of the attached Resolution **2014:13** Authority to Award Contract 304.71M – 78 Inch Interceptor Cleaning and Maintenance Project to Pipe and Plant Solutions, Inc. For a cost not to exceed \$349,490 subject to the approval of the Contractor's MBE/WBE plan and EEO requirements by the Rhode Island Department of Administration.

Commissioner Andrade made a motion to approve Resolution 2014:13; Contract 304.71M-78 Inch Interceptor Cleaning and Maintenance Project-Recommendation for Award. Commissioner Montanari seconded the motion and the vote taken by the CEO Committee was unanimous. The motion carries.

C. Review and Approval of Resolution 2014:14; Authorization to Amend Agreement 09.809-00IS with Optimization

Mr. Marshall stated that in September 2009, the Board approved a resolution to enter into an agreement with Optimization LLC of Rush, New York for HMI (Computer Control Systems) Integration Services for the Field's Point and Bucklin Point Wastewater Treatment Facilities for an amount not to exceed \$650,000. The agreement was executed in October 2009 for \$649,581. An amendment was executed in April 2012 for \$115,114 as part of the work to upgrade the engineer's workstation at the Bucklin Point WWTF. This amendment was funded through the plant's operating budget and was reported to the Finance Committee at the May 2012 meeting.

The work involved the integration of the two existing and unique Distributed Control Systems (DCS) into one front end Wonderware system that was seamless and alike for both wastewater treatment facilities. The Field's Point control system was an ABB system that had been migrated from a Bailey system in the 1990s which had been migrated from a 1980's era Bristol Babcock system. The Bucklin Point system was a Siemens PCS7 system. Although the selected integrator (Optimization) was the most experienced working with these existing control systems, NBC's vision of a single control system interface migrated from two existing distributed control systems proved to be a new concept and had never been done before. It is

more common in the industry to build a new system from scratch rather than convert from an existing distributed control system to the new Wonderware system. Because of the complexity of the control systems at the plant, building a new system from scratch was not a practical option.

In March 2012, approximately half way through completion of the project, Optimization requested a \$306,344 change order for unanticipated labor costs. At the time of this initial request Optimization's explanation of the reasons for the additional labor was not clearly presented and their request was denied by NBC. Optimization continued working on the project and finished to NBC's complete satisfaction with the exception that the project delivery was very late.

In January 2014, Optimization requested a meeting to discuss the budget and after the meeting with further consideration, NBC advised Optimization to prepare another budget request with detailed description and labor hour documentation of their out-of-scope work. In this request, Optimization provided a list of out of scope tasks and the additional hours to complete those tasks.

NBC's July 2009 Request for Qualifications and Proposals for Integration Services Procurement stated that the existing ABB and Siemens systems contained 7,283 I/O points and the Wonderware North license that NBC had procured separately was for 25,000 I/O points. The 25,000 I/O point license was considered to be more than adequate to meet the needs of the systems based on Wonderware's proposal. Optimization based their project budget for the contract on development of a 25,000 I/O point system. The single biggest item was design and development of 75,000 additional Input/Output (I/O) points. This increase in the number of I/O points was because of the way the Wonderware software identified the attributes of the DCS system's I/O points. Each I/O point in the ABB and Siemens DCS systems has at least 4 and as many as 20 attributes associated with it. Each of the attributes was recognized as an individual I/O point in the Wonderware software. The actual I/O points increased to more than 108,000 when imported into the Wonderware software.

After careful consideration of Optimization's revised request for the change order, NBC staff does agree that several out of scope tasks were performed by Optimization and that additional labor hours are justified as follows:

- 1) Upgrade of Wonderware System Platform (40)
- 2) Upgrade of Microsoft operating system (40)
- 3) Separated historian and galaxy repository (40)
- 4) Developed config and revised custom trend application (120)
- 5) Reconfiguration of the galaxy repository and increased object servers (60)
- 6) Modification required due to different programming for the CSO Tunnel and Ernest Street Pump Station (320)
- 7) Front end engineering for the Bucklin Point Siemens system (160)
- 8) Design & Development for > 75000 additional I/O tags (935)

At Optimization's labor rate of \$100.95 per hour for the additional 1715 hours, the additional compensation for out of scope work amounts to \$173,140.

Although the contract completion was significantly late due to the many obstacles that needed to be overcome, the final product is functioning very well and the operations staff is quite satisfied with the outcome.

Therefore, it is recommended that the Board approve Resolution **2014:14** authorizing staff to execute an amendment to Contract No. 09.809-00IS for \$173,140 for out of scope work performed by Optimization to complete the work required under this contract for a total contract amount not to exceed \$937,835.

Commissioner Andrade made a motion to approve Resolution 2014:14; Authorization to Amend Agreement 09.909-00IS with Optimization. Commissioner 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 Commissioner Montanari seconded by Commissioner Worrell and the CEO Committee meeting adjourned at 10:26 a.m.

Respectfully submitted,



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