



MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

Rely on us.

TO: Commissioners Simpson, Brown, Helgeson, Manning and Mital
FROM: Brad Taylor, Water Operations Manager; Mel Damewood, Engineering Manager; Wally McCullough, Water Engineering Supervisor
DATE: April 18, 2016
SUBJECT: Preliminary Design for New Water Filtration Plant
OBJECTIVE: Board Action - Contract Approval

Issue

EWEB recently solicited proposals for the Preliminary Design of the Water Utility's proposed new Water Filtration Plant and a request is being made to award a contract for \$533,000 for this work.

Background

Efforts focused on our Alternative Water Supply (AWS) program have been occurring for the past several years. The most significant component of the AWS program is the Water Utility's proposed new Water Filtration Plant, which is scheduled for completion by 2022.

Progress updates on the new Filtration Plant have been provided to the Board in March 2015 and most recently in February 2016. In summary, EWEB has obtained property for our new river intake and is working to acquire property for the filtration plant. Significant property due diligence and conceptual design activities have been accomplished.

The next step is completion of a preliminary design for the new facilities where the specifics will be defined and accurate cost estimates developed.

Discussion

EWEB solicited proposals for Preliminary Design services in late 2015. Four proposals were received and after review, two consultants were invited to interview. Following interviews, Carollo Engineers was selected for the work.

The Preliminary Design will include the following:

- Documentation of the raw water quality and the finished water quality goals. A comparison between the raw water characteristics of the Willamette and McKenzie Rivers will be included.
- Evaluation and selection of the treatment processes for the plant. The evaluations will be completed using a triple bottom line analysis.

- Development of the civil, mechanical, structural, and other design criteria for the plant.
- Development of the site layout and access configurations for the plant.
- Preparation of updated cost estimates reflecting the recommended processes and configurations. This will be an iterative effort as alternatives are evaluated.
- Preparation of a project implementation plan, including an evaluation of alternative contracting methods that would be appropriate.
- Preparation of 30 percent drawings for all facilities.

All the above will be included in the Preliminary Design Report. Also incorporated into this Report will be preliminary design work completed by EWEB staff and other Consultants. This includes work associated with the river intake and an evaluation of options for delivering water from the new Filtration Plant into the existing distribution system.

The work will be scheduled such that no activities dependent on specific plant location will be initiated until property is secured.

The Preliminary Design effort is anticipated to be complete by March of 2017. An update of the work will be provided to the Board at the October 2016 meeting.

The work is included in the 2016 Capital Budget and will be paid through rate funded or bond funded capital dollars.

TBL Assessment

A triple bottom line assessment will be completed for selected improvements where alternatives analysis is appropriate.

Recommendation/Requested Board Action

Water staff is recommending that the Board approve award of a contract for \$533,000 to Carollo Engineers for the Preliminary Design of the Proposed New Water Filtration Plant.

If there are any questions or if more information is needed, please contact Mel Damewood, Engineering Manager 541-685-7145 or mel.damewood@eweb.org.

EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to approve a Personal Services Contract with **Carollo Engineers** for **Engineering Services**.

Board Meeting Date: 5-3-2016

Project Name/Contract#: Water Treatment Plant Preliminary Design

Primary Contact: Mel Damewood Ext. 7145

Purchasing Contact: Sandra Hahn Ext. 7163

Contract Amount:

Original Contract Amount: \$ 533,000

Additional \$ Previously Approved: \$ 0

Invoices over last approval: \$ N/A

Percentage over last approval: N/A %

Amount this Request: \$ 533,000

Resulting Cumulative Total: \$ 533,000

Contracting Method:

Method of Solicitation: Formal Request for Proposals

If applicable, basis for exemption: N/A

Term of Agreement: 5-3-16 to 3-1-17

Option to Renew? Yes

Approval for purchases "as needed" for the life of the contract No

Action Requested:

Contract Award
 Contract Renewal
 Contract Increase
 Other

Funding Source:

Capital Budget
 Reserves
 New Revenue
 Bonding
 Other

Form of Contract:

Single Purchase
 Services
 Personal Services
 Construction
 IGA
 Price Agreement
 Other

Narrative:

The Board is being asked to approve a new contract with **Carollo Engineers** of Portland, OR for the purchase of Engineering Services.

EWEB requires Engineering Services for pre-design of a Water Filtration Plant. The Water Filtration Plant is planned for in the Water Master Plan which has been approved by the Board. Contract objectives are to provide the preliminary design report for the new Water Filtration Plant; the Water Filtration Plant is a significant part of EWEB's Alternative Water Supply (AWS) program.

Contracted services include identification of the treatment processes, development of the site layout, and preparation of cost estimates.

In December, 2015, staff issued a Formal Request for Proposals (RFP). Thirty-one companies reviewed the solicitation; EWEB received four proposals from AECOM of Portland, OR; CH2M of Corvallis, OR; HDR Engineering of Portland, OR; and Carollo Engineers. The responses were evaluated based on the evaluation criteria stated in the RFP. Criteria included Project Approach, Project Experience, Project Team Experience, Proposer's Demonstrated Ability to Successfully Complete Similar Projects On-Time and Within Budget, and a Sample of Plant Preliminary Design.

Carollo Engineers has been found to be responsive and responsible and has earned the highest score as a result of their response to the RFP. As a result of successful negotiations in regards to the developed scope of work and fees, Carollo has been selected to provide the services. Staff has issued a notice of Intent to Award the contract to Carollo Engineers, pending Board approval.

ACTION REQUESTED:

Management requests the Board approve a Personal Services Contract with **Carollo Engineers** for **Engineering Services**. These costs were included in the 2016 Capital Budget and will be paid with rate funded or bond funded capital dollars.

SIGNATURES:

Project Coordinator: _____

LT Manager: _____

Purchasing Manager: _____

General Manager: _____

Board Approval Date: _____

Secretary/Assistant Secretary verification: _____