


CITY OF COOS BAY CITY COUNCIL
Agenda Staff Report

MEETING DATE	AGENDA ITEM NUMBER
February 4, 2014	

TO: Mayor Shoji and City Councilors

FROM: Jennifer Wirsing, Engineering Service Coordinator

Through: Rodger Craddock, City Manager 
Jim Hossley, Public Works Director

ISSUE: Consideration of Approval to Award the Contract for Preparation of Final Design for Wastewater Treatment Plant 2.

BACKGROUND:

Wastewater Treatment Plant 2 (WWTP 2) is located in the Empire area and has been in service since 1973. The plant was upgraded in 1990 to meet National Pollutant Discharge Elimination System (NPDES) permit requirements. However due to the age of the plant, a Mutual Agreement and Order (MAO) with Oregon Department of Environmental Quality (DEQ), and upcoming NPDES permit requirements the plant must be upgraded.

For the last year, Staff has worked with the design team of SHN/CH2M Hill on the pre-design for WWTP 2. The development of the pre-design has created what is referred to as 15% design plans. The next step is to take those 15% design plans and create 100% final design plans. Typically, the City contracts with consultants to design plans from 0% to 100%. However, due to the nature of the DEQ process of review we are doing the design in two discrete phases.

As stated above, the City is mandated to upgrade Plant 2. The City entered into an MAO with DEQ that includes milestone and tasks that the City must complete in order to remain in compliance (the MAO schedule has been included for your reference). The next critical deadline in the MAO schedule is the completion of Final Design for WWTP2. Staff has been working with the design team of SHN/CH2M Hill to develop a scope and fee that will develop final design plans for construction purposes.

ADVANTAGES:

The design team has performed the value analysis for the Facility Plan and Facility Plan Amendment for this project. They have also completed pre-design and been involved in the Value Engineering. By keeping this design team through the final design phase it will provide the City with a team that is knowledgeable about our area and the project.

The City is required to complete several sanitary sewer and storm drain improvements over the next 20 years. The goals of these projects are to protect public health and protect the water quality in the bay. These goals will be achieved as we update the dilapidated portions of the City's sanitary sewer system and reduce Inflow and Infiltration. This project is significant in achieving the goals. Additionally, if Council approves the award of this contract, the City can begin efforts for final design, and be in compliance with the MAO which requires the final design be submitted in November 2014.

DISADVANTAGES:

Other than costs, staff sees no disadvantages.

BUDGET IMPLICATIONS:

At this time, City Staff is negotiating with SHN & CH2M HILL. It is anticipated that by February 4, 2014 City Staff will have negotiations finalized. At this time \$1.8 million has been budgeted for final design. This cost is consistent with the cost of other designs for projects of similar magnitude, which is approximately 10% of the project construction cost. The pre-design cost together with the estimated final design costs total \$2,400,000. IFA loans and grants are being used to pay for the costs of the design. Wastewater user fees are planned to be used for the debt service payment for the IFA loans.

RELATED CITY GOAL:

The award of this project will help the City meet the goal that states, "Infrastructure and Services: To maintain and improve the City's physical infrastructure and provide quality services for current and future citizens." This project will help Ensure that the City can protect and enhance the useful life of their utilities and facilities.

ACTION REQUESTED:

If it pleases the Council, approve the award of the contract for preparation of Final Design for Wastewater Treatment Plant 2 to the design team of SHN and CH2M HILL for a fee not to exceed \$1,800,000.

ATTACHMENTS:

MAO Schedule for Plant 2

MAO	7.8.1	n/a	7.8.2	n/a	7.8.3	n/a	7.8.4	7.8.4	7.8.4	7.8.5	City Deadline	n/a	7.8.6	7.8.7
Timeline	—	1 Month (Assumed)	12 Months (MAO)	1 Month (Assumed)	2 Months (MAO)	1 Month (Assumed)	8 Months (Assumed)	2 Months (Assumed)	2 Months (Assumed)	2 Months (MAO)	City Deadline	2 Months (Assumed)	24 Months (MAO)	15 Months (MAO)
Task	Submit FPA to DEQ for Review & Approval	DEQ Review and Approval	Submit Draft Pre-Design Report to DEQ (1 yr from approval)	DEQ Review and Approval	Submit Final Pre-Design Report (assume 60 days)	DEQ Review and Approval	Submit Draft Final Plans and Specs to DEQ	DEQ Review and Approval	Submit Final Plans and Specs to DEQ	Advertise for Bids	Conditional User Permit expires.	Select Contractor	Put new Facility On-Line	Submit Performance Testing to DEQ
Deadline	June 1, 2012	July 1, 2012	July 1, 2013	August 1, 2013	October 1, 2013	November 1, 2013	July 1, 2014	September 1, 2014	November 1, 2014	January 1, 2015	January 2, 2015	April 3, 2015	May 1, 2015	August 1, 2018