

MEMORANDUM



TO: CITY COUNCIL
FROM: Greg Springman, Steven Haney and Trish Rice
Public Works
DATE: March 7, 2023
SUBJECT: Mahler WRF Project Update

Public Works staff and our engineering consultant West Yost would like to keep City Council updated on the Mahler WRF Upgrades Project. This update will be provided on a monthly basis and contains the following sections:

- Section 1. Project Overview and Current Status
- Section 2. Project Schedule Update & City Council Engagement
- Section 3. Project Budget Status Update
- Section 4. Updates on Key Issues

1. PROJECT OVERVIEW AND CURRENT STATUS

MWRF Interim Improvements Project (MWRF IIP)

The MWRF IIP includes 4 discrete projects that are all being completed on a parallel track to assure the City's \$7 Million in grant funding from the Oregon Legislature is fully expended by June 30, 2023. The status of each of these projects is summarized below.

Sludge Blend Tank

This week Baker Silo began work on the new sludge blend tank. Initial work involves mobilizing equipment to the project site and beginning demolition of the lime silo and biofilter in the lower portion of the treatment plant site. One interesting construction approach to be used on the project is that equipment is being mobilized to the project site using the railroad tracks!

Electrical Equipment Procurement by City Integrator of Record

The Automation Group is procuring long-lead electrical equipment for the MWRF project, including a new standby diesel engine generator set and the main electrical switchgear that will serve the entire facility. Staff, TAG and West Yost's engineering team are working through final submittals and the equipment will soon be ordered.

Owner-Supplied Solids Dewatering Equipment

Contracts with FKC for the new solids dewatering screw press and appurtenant equipment have been finalized. Staff and West Yost's engineering team are working through submittals and detailed system on a fast-track process. The process is being expedited by pre-submittal meetings where the team discusses FKC's proposed components and decisions are made in advance of the formal submittal.

MWRF IIP Site Improvements

Bids were received and opened for the IIP Site Improvements Project on March 2nd. Two bids were received. The low bidder was Boede Construction. If the project is awarded by City Council, this project will involve completion of site work, piping and other improvements to complete all other IIP improvements.

MWRF Improvements Project

West Yost's team is currently completing 90% Final Design of the MWRF Improvements Project with an estimated cost of \$56,813,000. Staff are working diligently in securing additional funding for the project.

2. PROJECT SCHEDULE UPDATE & CITY COUNCIL ENGAGEMENT

Below is the current project schedule for the MWRF IIP and larger MWRF Improvements Project.

	2022			2023				2024	2025	2026
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1 – Q4	Q1 – Q4	Q1 – Q4
MWRF Interim Impr. Project (IIP)										
MWRF Impr. Project										
Planning & Design										
Bidding & Contracts										
Construction										

Following are current Requests for Council Actions (RCA):

Upcoming Requests for Council Action (RCA) are summarized in this section to give City Council advance notice of anticipated City Council engagement related to the MWRF Improvements Project.

March 14 City Council Meeting Requests for Council Action:

RCA for award of the MWRF IIP Site Interim Improvements to Boede Construction, who is the qualified Bidder submitting the lowest bid on the project.

Future City Council Requests for Council Action:

Future City Council engagement and Requests for Council Action are anticipated as follows:

- 3rd Party Special Inspections and Testing Services Contract Award – RCA timing TBD
- Electronic Construction Document Control System Contract Award – RCA timing TBD
- MWRF Improvements Project Bid Award – RCA timing TBD

3. PROJECT BUDGET STATUS UPDATE

The following budget status updates provide a high-level review of contract amounts and expenditures for engineering services, Owner-supplied electrical equipment, Construction, 3rd Party Special Inspections and Testing, and the Electronic Construction Document Control System.

a. Construction

Construction has begun on the MWRF IIP, including construction of the sludge blend tank, procurement of the FKC screw press and completion of the MWRF IIP Site Improvements. No payment estimates have been submitted or paid as of the date of this monthly project update.

b. Owner-Supplied Electrical Equipment

Contracts for Owner-Supplied Electrical Equipment by The City's Integrator-of-Record are being finalized so ordering can begin.

c. 3rd Party Special Inspections and Testing Services

Budget status updates for 3rd Party Special Inspections and testing will be provided once construction activities begin.

d. Electronic Construction Document Control System (ECDCS)

Budget status updates for ECDCS will be provided once construction activities begin.

e. Engineering Services

Staff completed and provided comments to West Yost on the MWRF Improvements Project 60% Design. West Yost is now working on 90% final design of the project, with completion of final design set for June 30, 2023.

Firm	Dates	Purpose	Contract Amount	% Complete
Murraysmith ⁽¹⁾	2018 – 2021	Preliminary and Final Design	\$2,134,373	100%
West Yost	Jul 2021	Final Design Review	\$66,224	100%
West Yost ⁽²⁾	Aug 2021 – present	Project Planning. Permitting, Preliminary and Final Design	\$4,989,208	67%
West Yost ⁽³⁾	Feb. 2023 thru Oct. 2026	Engineering Services During Construction (ESDC)	\$879,670	0%

(1) Contract Amount listed is actual amount paid to Murraysmith by City.

(2) West Yost is currently contracted to complete final design of the MWRF Improvements Project.

(3) A portion of West Yost's original contract for Engineering Services During Construction (ESDC) MWRF Phase 1 Improvements Project that was cancelled are being utilized for ESDC on the MWRF IIP. Remaining funds in this contract will be utilized for bidding and construction services on the MWRF Improvements Project.

4. UPDATES ON KEY ISSUES

- **Preliminary Engineering Report (PER) Update.** West Yost is finalizing updated alternative cost estimates and the updated Preliminary Engineering Report (PER) required for obtaining USDA funding for the project. Once complete, the PER will be submitted to USDA and Oregon DEQ for review and approval. This PER update will incorporate the recently updated MWRF Improvements Project construction cost estimate (Engineers OPCC).
- **Outfall Permitting and “Crosscutters”.** West Yost has completed preliminary design of the new South Santiam River outfall and is working on initial mixing zone modeling with Mixzon. Once the mixing zone characteristics are identified, these results will be utilized for the completion of the Environmental Assessment (EA) and Biological Assessment (BA) by Pacific Habitat Services.
- **MWRF Improvements Project Funding.** Staff are now meeting on a monthly basis with representatives from USDA, DEQ and Business Oregon to discuss project funding. The DEQ Regional Solutions Team (RST) is also engaged on the project and in these meetings.
- **Expenditure of Oregon Legislature Funding.** The MWRF IIP is currently anticipated to be on target for spending the \$7 Million in grant funding obtained by the City from the Oregon Legislature by June 30, 2023.

Cc: Dept. Heads