

MEMORANDUM



TO: CITY COUNCIL
FROM: Greg Springman, Steven Haney and Trish Rice
Public Works
DATE: June 27, 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. City staff have worked with the City's Planning Department to secure all necessary building permits and the project is moving forward quickly.

Sludge Blend (SB) Tank

The City's new Sludge Blend Tank constructed by Baker Silo is substantially complete and has now been drained to allow Boede Construction to make piping connections.

Electrical Equipment Procurement by City Integrator of Record

The Automation Group is procuring long-lead electrical equipment for the SHMWRF project, including a new standby diesel engine generator set and the main electrical switchgear that will serve the facility.

Owner-Supplied Solids Dewatering Equipment

FKC has delivered the new solids dewatering screw press to the site, where it was unloaded and placed on a temporary concrete foundation poured by Boede Construction. The screw press installation is now being completed by Boede.

MWRF IIP Site Improvements

Boede Construction continues to work on the IIP Site Improvements full speed ahead!

SHMWRF Improvements Project

The Sweet Home Mahler Water Reclamation Facility (SHMWRF) Improvements Project is the larger treatment plant expansion for which design is currently being finalized by West Yost's design team.

The Draft Final Contract Documents (CDs) have been reviewed by City staff and Oregon DEQ and West Yost is on track to deliver the Final CDs by Friday, June 30th.

West Yost is also finalizing the updated Preliminary Engineering Report (PER), Engineers Opinion of Probable Construction Cost (EOPCC), updated Environmental Assessment (EA) and Biological Assessment (BA) as well as the Joint Permit Application (JPA) for the project and new South Santiam River outfall.

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.

Future City Council Requests for Council Action:

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

- SHMWRF General Contractor Pre-Qualification Re-advertisement – RCA timing TBD
- 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

Other City Council Presentations and Activities:

City and West Yost staff anticipate providing a presentation to update City Council on the SHMWRF Improvements Project design, permitting, funding and other elements once the design is completed at the end of the month.

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.

With respect to the SHMWRF Interim Improvements Project (IIP), City staff is on track to fully spend \$7 Million in Oregon Legislature grant funding by June 30, 2023.

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.

Current Paid Amount: \$1,096,448.00 has been paid to Baker Silo

Current Paid Amount: \$393,622.91 has been paid to Boede Construction

Current Paid Amount: \$599,005.40 to FKC

Current Paid Amount: \$28,035.00 has been paid to TAG for IIP Instrumentation and Controls

b. Owner-Supplied Electrical Equipment

Owner-Supplied Electrical Equipment included a new standby generator and the new MWRF main switchgear are being supplied by the City's Integrator-of-Record The Automation Group (TAG).

Current Paid Amount: \$130,740.14 has been paid to TAG for the new MWRF Switchgear and Standby Generator

c. 3rd Party Special Inspections and Testing Services

Third Party Special Inspections and Testing Services are being provided by FEI on the MWRF IIP Project.

Current Paid Amount: \$5,187.95 has been paid to FEI.

d. Electronic Construction Document Control System (ECDCS)

No funds have currently been expended on the ECDCS.

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	79%
West Yost ⁽³⁾	Feb. 2023 thru Oct. 2026	Engineering Services During Construction (ESDC)	\$879,670	15%

(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

- **MWRF IIP Project Status.** Construction continues on the SHMWRF Interim Improvements Project. The project is on track to spend the \$7 Million Oregon Legislature grant funding by June 30, 2023. IIP construction will be completed this summer.
- **Preliminary Engineering Report (PER) Update.** West Yost has submitted the updated Preliminary Engineering Report (PER), which includes the updated Engineer's Opinion of Probable Construction Cost (EOPCC) for the SHMWRF Improvements Project.
- **Outfall Permitting and "Crosscutters".** West Yost and Pacific Habitat are finalizing the Environmental Assessment (EA) and Biological Assessment (BA) required for funding and permitting the project. It is anticipated the updated documents and the Joint Permit Application (JPA) will be completed by June 30, 2023.
- **Oregon DEQ Air Quality Permitting.** West Yost has completed the air quality permit application for submittal to Oregon DEQ by City staff.
- **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. Staff are also coordinating with the EPA regarding WIFIA funding for the project.

Cc: Dept. Heads