

MEMORANDUM



TO: CITY COUNCIL
FROM: Greg Springman, Steven Haney and Trish Rice
Public Works
DATE: May 16, 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 been working hard on coordination of the Contractors working on each part of the project and other tasks like coordinating building permit applications and reviews, leading weekly construction meetings and managing a tight area of the SHMRWF site with multiple contractors.

Sludge Blend (SB) Tank

Baker Silo has completed work on the City's new Sludge Blend Tank. The tank has been determined to be substantially complete, allowing the IIP Site Improvements Contractor, Boede Construction, to begin work on the mechanical and electrical installation. The photo below shows the tank and new fencing installed in the lower area of the SHMRWF site.



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 is finalizing fabrication of the City's new solids dewatering screw press with delivery scheduled for June 1, 2023. Once the new FKC Screw Press arrives onsite, Boede Construction will offload the equipment and install it on a concrete pad they are currently constructing.

MWRF IIP Site Improvements

Boede Construction has begun some work on the IIP Site Improvements, which will ramp up in the coming weeks leading up delivery of the new FKC screw press.

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 for the SHMRWF Improvements Project Draft Final Contract Documents will be submitted to the City on June 1, 2023. The submittal will include all drawings and specifications.

Following submittal, West Yost's team will also be updating the Engineer's Opinion of Probable Construction Cost (EOPCC) and finalizing the Preliminary Engineering Report (PER) required for USDA project funding.

In addition, West Yost's permitting team is working on the updated Environmental Assessment (EA) and Biological Assessment (BA) as well as the Joint Permit Application 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 as the project moves from final design into bidding and construction.

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 believe progress is on track to fully spend the \$7 Million in grant funding from the Oregon Legislature by the funding deadline of 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: \$1,011,206.60 has been paid to Baker Silo

Current Paid Amount: \$171,807.50 has been paid to Boede Construction

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: \$28,035.00 has been paid to TAG for the MWRF Switchgear

Current Paid Amount: \$130,740.14 has been paid to TAG for the MWRF 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: \$4,873.45 has been paid to FEI.

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	74%
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

- **MWRF IIP Project Status.** Construction continues on the SHMWRF Interim Improvements Project. The project is on track to spend the \$7 Million grant funding awarded to the City by the Oregon Legislature that is required to be spend by June 30, 2023.
- **Preliminary Engineering Report (PER) Update.** West Yost will update the Engineer's Opinion of Probable Construction Cost (OPCC) following submittal of the Draft SHMWRF Final Design Contract Documents on June 1, 2023. The PER will be submitted to USDA and Oregon DEQ for review and approval.
- **Outfall Permitting and "Crosscutters".** West Yost and Pacific Habitat are on track to complete the Environmental Assessment (EA) and Biological Assessment (BA) by June 15, 2023.
- **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