



Tertiary Treatment Facility Update

July 18, 2023

Overview

- Review of project objectives and previous effort
- Tertiary Treatment Facility model walk-through
- Estimated Schedule
- Estimated Project Costs
- Next Steps



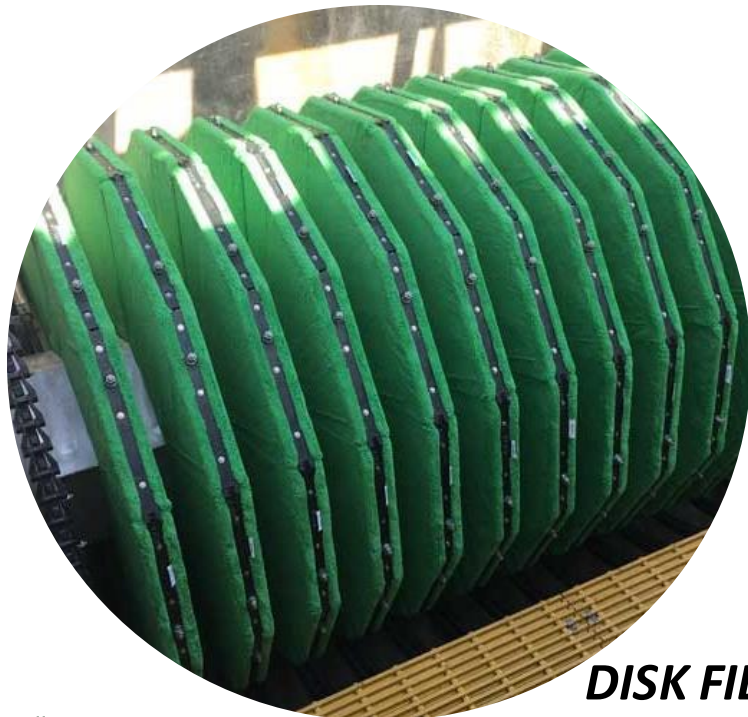
Project Objectives

- Comply with new NPDES permit regulations
- Filter to reduce pollutants
- Protect Willamette River water quality and aquatic life
- Prepare for future state-required nutrient reductions
- Improve disinfection performance and water quality to protect environmental health



Summary of Previous Effort

- Previous alternatives evaluation confirmed that disk filters were the right technology for tertiary filtration.
- Confirmed that facility would be in previously reserved site area



DISK FILTERS



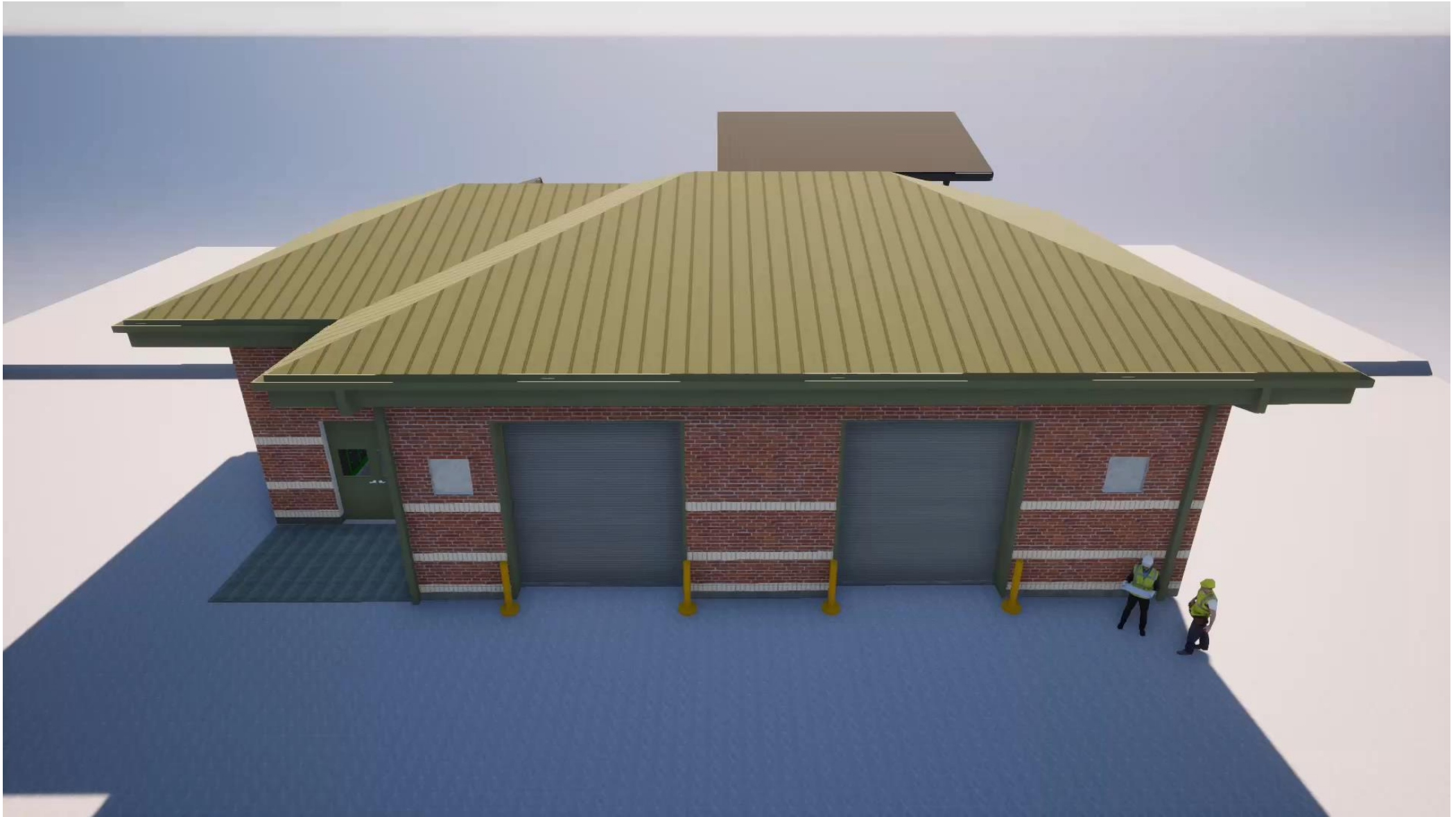
SITE PLAN

Project Update and Model Walk-through

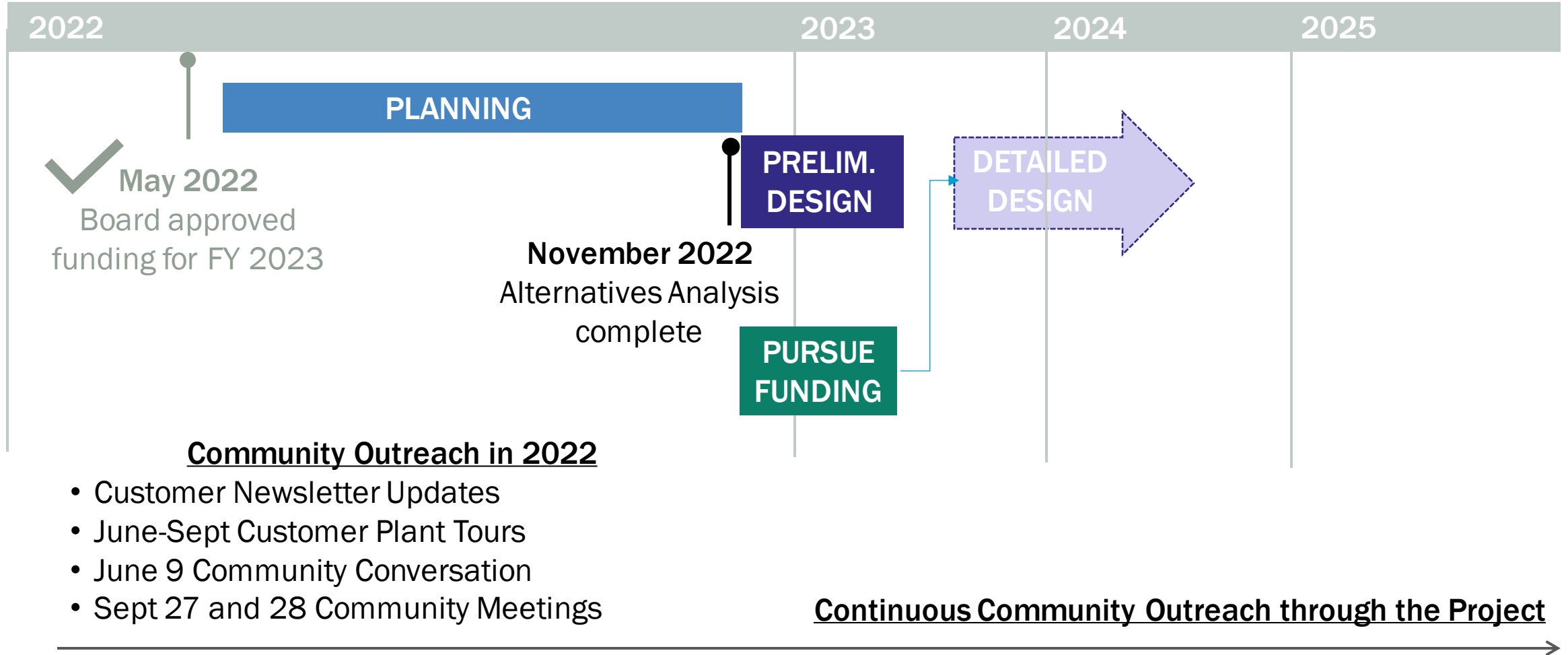
- Confirmed many initial expectations during alternatives evaluation
- Identified additional challenges that have been overcome (or will be)
- MODEL REVIEW
- <https://twinmotion.unrealengine.com/presentation/rGfuFjVmy0m0oSdY>

OLWSD TM Walkthrough





Project Schedule – Tertiary Filter Facility



Estimated Project Costs

Description	Value
Opinion of Probable Construction Cost (OPCC): New steel frame and masonry structure with three filters (20 mgd total capacity)	\$ 12.1 M
Accuracy Range	- 20% to + 30%
Estimated Detailed Design Fees	\$0.7 M
Estimated Construction Management Fees	\$0.5 M
TOTAL PROJECT COST	\$13.3 M

OPCC Notes

- AACE Class 3 estimate
- Most significant changes are to address subgrade conditions identified during preliminary design
- Costs escalated to midpoint of construction (October 2024)
- Includes 30% design level contingency

NEXT STEPS

Detailed Design (60%, 90%, and 100%)

Project Schedule – Tertiary Filter Facility

