



**GLWA**  
*Great Lakes Water Authority*

# Clean Water State Revolving Fund FY 2026 Project Plans – Public Hearing

April 23, 2025

# FY 2026 Clean Water State Revolving Fund (CWSRF) Program

- ◆ GLWA seeks to maximize use of CWSRF low-interest loans to fund qualifying capital improvement projects.
- ◆ Three projects have been identified FY 2026 CWSRF funding consideration.
- ◆ Applicants are required to hold a public hearing to solicit public comment prior to submission of final project plans to the State of Michigan Department of Environment, Great Lakes and Energy (EGLE).
- ◆ The deadline to submit the final project planning documents is May 1, 2025.

# FY 2026 Clean Water State Revolving Fund (CWSRF) Program

💧 Project leads will provide brief highlights for the three proposed projects followed by a public comment period.

CIP#	PROJECT	ESTIMATED COST	GLWA PROJECT CONTACT	ENGINEER/ PROJECT LEAD
270006	CSO Facilities Improvements II	\$23,578,000	Brooke Ballard	Andrew Bennett, Hazen and Sawyer
273001	Hubbell-Southfield CSO Facility Improvements	\$67,483,000	Kashmira Patel	David Delia, Wade Trim
213006	WRRF Improvements to the Sludge Feed System for Solids Processing	\$26,550,000	Scott Worth	Steve Wyman, CDM Smith

A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and movement.

# Project 1: CSO Facilities Improvements II

# CSO Facilities Improvements II

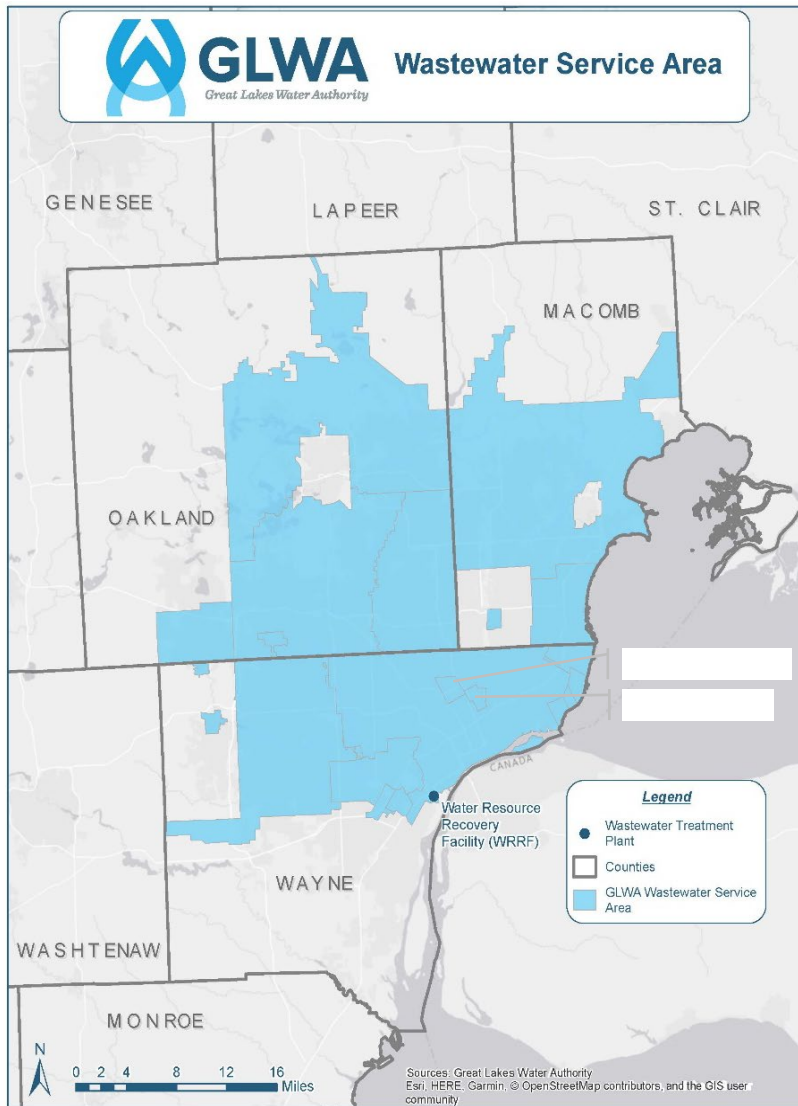
## Need For Project

- ◆ Improve operational efficiency through standardized CSO systems and equipment and incorporate RCM/RCD (Reliability Centered Maintenance/Reliability Centered Design) into the design to reduce life-cycle costs.
- ◆ Provide safer facilities through fall protection, emergency eyewash improvements and removal of trip hazards.
- ◆ Rehabilitate buildings to address architectural, electrical, HVAC, and plumbing deficiencies.



\*1.16 Million residents in GLWA service area

# CSO Facilities Improvements II



## Project Scope

- ◆ Safety improvements and building rehabilitation at all 9 CSO facilities
- ◆ St Aubin SDF disinfection, screening and misc. improvements to maintain long-term reliability
- ◆ Control system and lighting upgrades at Baby Creek and Belle Isle facilities

## Project Benefits

- ◆ Increase functional life of facilities, reduce likelihood of combined sewer overflows, and allow GLWA to meet NPDES permit discharge requirements.

# CSO Facilities Improvements II

Estimated Project Cost	
Construction	\$18,901,000
Engineering, Legal, and Admin.	\$4,677,000
<b>Total</b>	<b>\$23,578,000</b>

Project Schedule	
Notice to Proceed	Q4 2025
Construction Begins	Q4 2025
Final Completion	Q1 2028

## Project Team

**Hazen**



Illustrated, Estimated End User Impact	
Total (per household basis per year)	\$1.37

# Project 1 – Public Comment

## (CSO Facilities Improvements II)



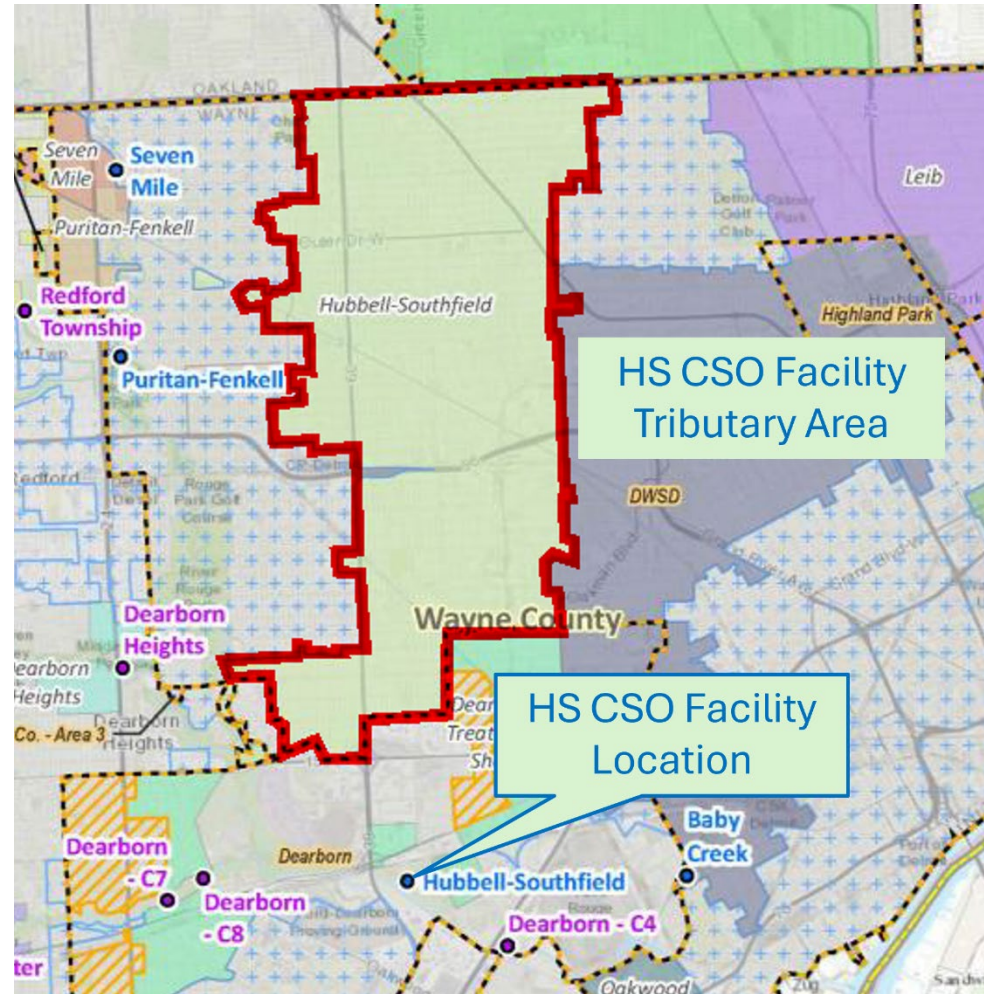
A dynamic splash of clear water against a light blue background, with a semi-transparent blue horizontal band across the middle containing the title text.

# Project 2: Hubbell-Southfield CSO Facility Improvements

# Hubbell-Southfield CSO Facility Improvements

## Need For Project

- ◆ Hubbell-Southfield CSO Basin treats combined sewer overflow during storm events up to 2,200 cfs
- ◆ Treated flow discharges to the Rouge River in accordance with NPDES Permit requirements
- ◆ Up to 22 MG of captured flow conveyed to the Northwest Interceptor for treatment at the WRRF after each event
- ◆ Facility began operation in 1999 and requires rehabilitation and upgrades for continued reliable treatment of wet weather flows are needed to extend the useful life of the facility



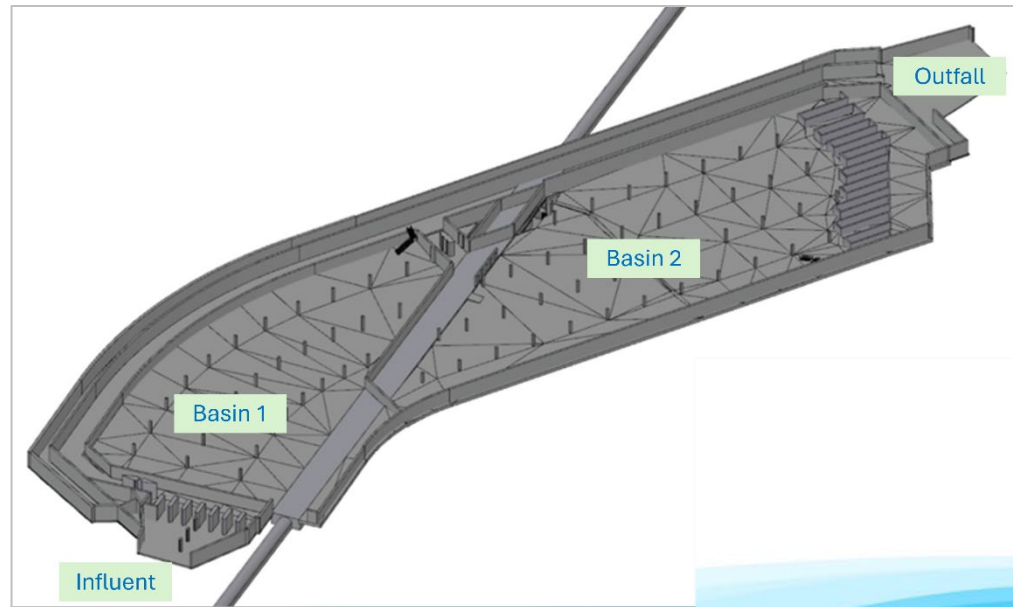
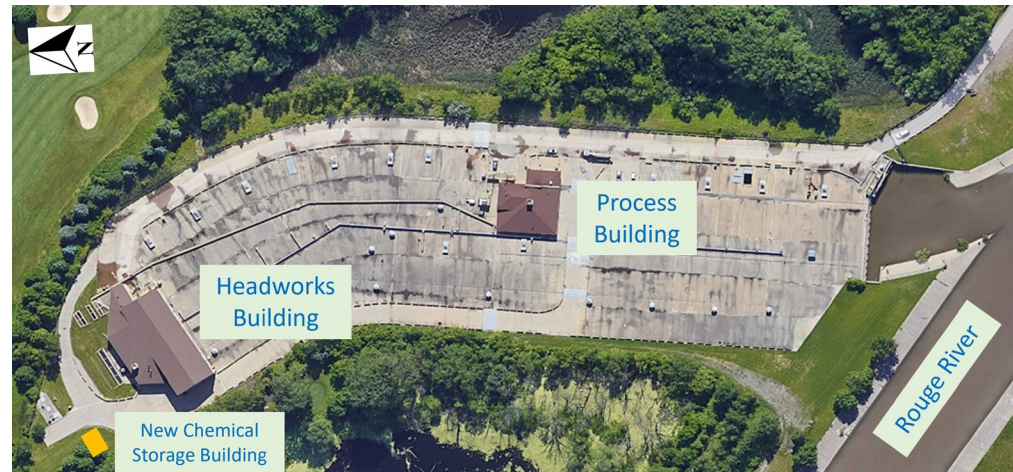
# Hubbell-Southfield CSO Facility Improvements

## Project Scope

- ◆ New sustainable basin flushing system using river water to clean tank
- ◆ New chemical storage building and tank
- ◆ New chemical delivery system
- ◆ New instrumentation and controls
- ◆ New electrical systems
- ◆ Repairs to buildings and site features

## Project Benefits

- ◆ Enhance ability to treat CSO and meet NPDES permit requirements; Improve worker safety; Standardize equipment; Improve operational reliability; Restore existing site and buildings



# Hubbell-Southfield CSO Facility Improvements

Estimated Project Cost	
Construction	\$56,065,000
Engineering, Legal, and Admin.	\$11,418,000
<b>Total</b>	<b>\$67,483,000</b>

Project Schedule	
Notice to Proceed	June 2026
Construction Begins	June 2026
Final Completion	June 2030

## Project Team



## Illustrated, Estimated End User Impact

Total (per household basis per year)	\$4.37
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# Project 2 – Public Comment

(Hubbell-Southfield CSO Facility Improvements)

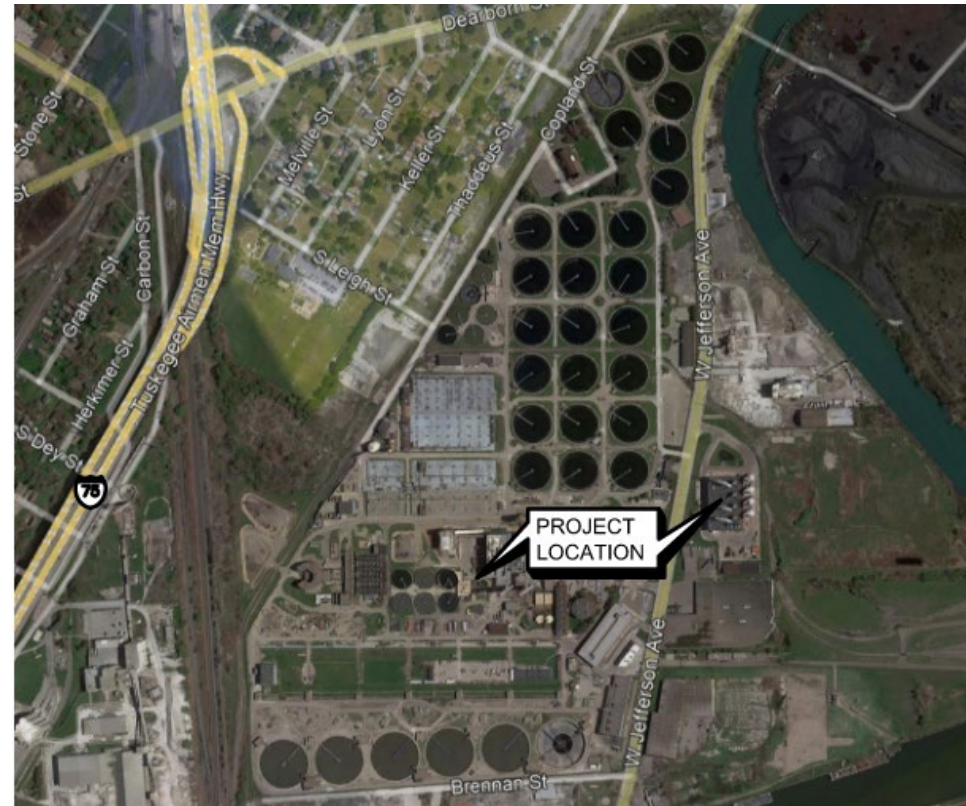
A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of energy and freshness.

# Project 3: WRRF Improvements to the Sludge Feed System for Solids Processing

# WRRF Improvements to the Sludge Feed System for Solids Processing

## Need For Project

- ◆ The sludge feed system is a critical step in the WRRF's ability to process solids and maintain the facility's solids throughput capacity.
- ◆ Existing equipment sizing, condition, configuration, and standard operating procedures result in maintenance and operational challenges.
- ◆ Limited operational flexibility minimizes system resiliency and increases risk of process disruptions.



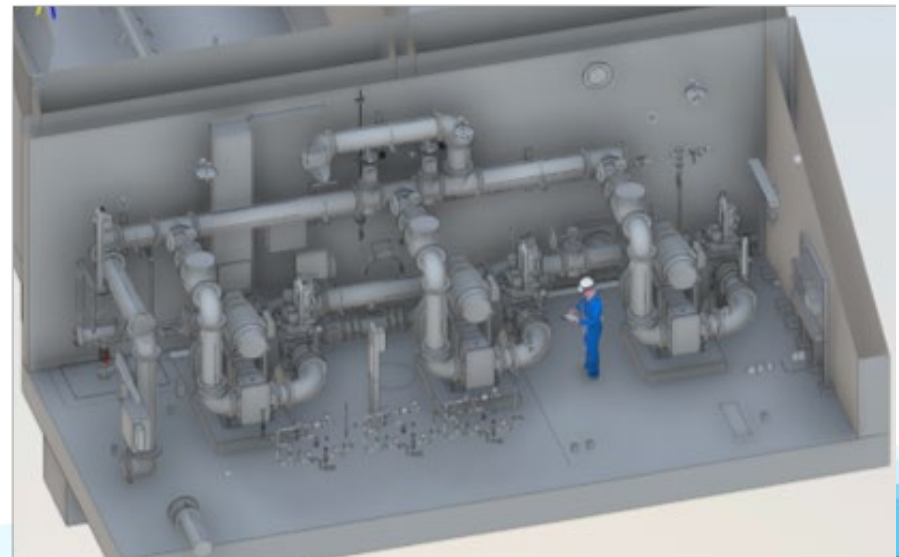
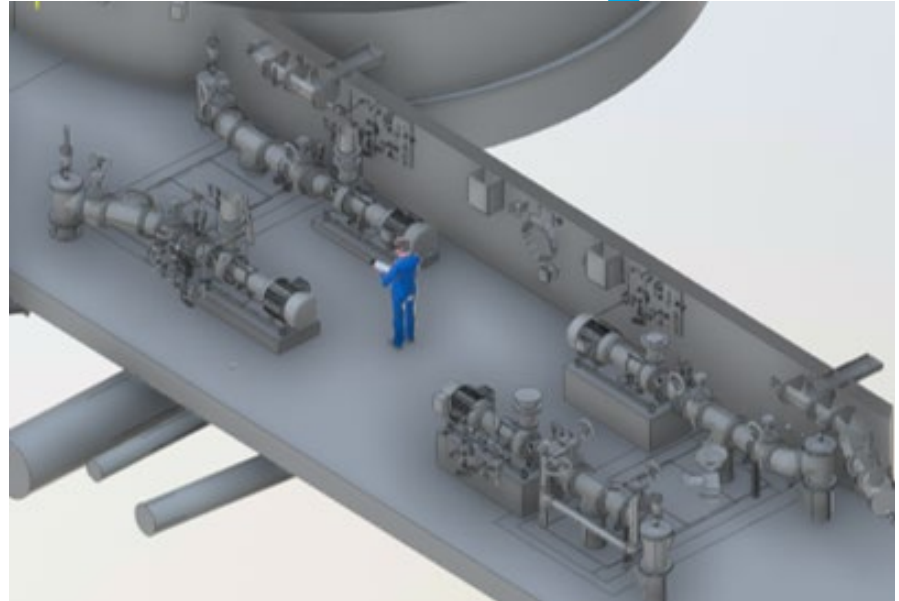
# WRRF Improvements to the Sludge Feed System for Solids Processing

## Project Scope

- ◆ Sludge feed pump and associated equipment upgrades.
- ◆ Incorporation of sludge conveyance loops.
- ◆ HVAC improvements.
- ◆ Control, electrical, and lighting improvements.

## Project Benefits

- ◆ Additional system flexibility, redundancy, and resiliency.
- ◆ Improved ease of operation.
- ◆ Improved system monitoring capabilities and reduced maintenance requirements.





# WRRF Improvements to the Sludge Feed System for Solids Processing

Estimated Project Cost	
Construction	\$21,200,000
Engineering, Legal, and Admin.	\$5,350,000
<b>Total</b>	<b>\$26,550,000</b>

Project Schedule	
Notice to Proceed	March 2026
Construction Begins	March 2026
Final Completion	May 2029

## Project Team



Illustrated, Estimated End User Impact	
Total (per household basis per year)	\$1.09



# Project 3 – Public Comment

(WRRF Improvements to the Sludge Feed System for Solids Processing)

# Next Steps

- ◆ Request GLWA Board of Directors adopt the resolution to approve the project plans following the close of the public hearing.
- ◆ The approved project plan, board documents, and required forms will be submitted to EGLE by May 1, 2025.
- ◆ Notice of final award determination is typically posted by the EGLE in mid-September 2025.