

SUSTAINING OUR WASTEWATER SYSTEM IN THE 21ST CENTURY

GLWA MISSION

Exceed customer expectations by utilizing best practices in the treatment and transmission of water and wastewater while promoting healthy communities and economic growth.

Interim Wet Weather Operations Plan (IWOP)

- Maximize use of existing facilities to minimize discharges to rivers.
- Technical support to NPDES permit negotiators.
- Update GDRSS model.
- Deliver IWOP.

TARGET DATE:
April 2018

West Side Model

- Develop calibrated model addressing CSO controls for 17 outfalls in Upper Main Rouge.
- Accurately identify and report on the occurrence, duration, volume and frequency of CSO discharges.
- Support NPDES Negotiating Effort.

TARGET DATE:
August 2018

Regulatory Compliance and Collaboration

GLWA / DWS / MDEQ discussions on Adaptive Management Approach to controlling 56 untreated CSO outfalls and to increase understanding of collection system assets, operations, and performance.

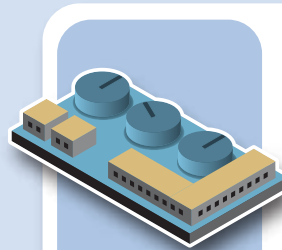
April 2018
NPDES Permit
Renewal

Comprehensive Regional Wastewater Master Plan

- Project Timeline: April 2017 to September 2019
- Key Strategies:
 - Collaboration with members, MDEQ, and regional stakeholders.
 - Optimize results by integrating our modeling efforts.
 - Focus on creativity and innovation in wet weather operations.
 - Needs Assessment to support GLWA Asset Management

One Model

Coverage:
40 years
2020 to 2060



WATER RESOURCE RECOVERY FACILITY TASKS

- Hydraulic, process, and clarifier models.
- Energy and resource management.
- Long term needs and supporting investment strategies.

THE 5 OUTCOMES

- 1 PROTECT PUBLIC HEALTH and SAFETY
- 2 PRESERVE NATURAL RESOURCES and A HEALTHY ENVIRONMENT
- 3 MAINTAIN RELIABLE, HIGH-QUALITY SERVICE
- 4 ASSURE VALUE OF INVESTMENT
- 5 CONTRIBUTE TO ECONOMIC PROSPERITY

Opportunities to Leverage

- 21st Century Infrastructure Commission Report
- EPA integrated planning.
- MDOT Mega-Projects.



- Stormwater best management practices.
- City of Detroit Green Infrastructure projects.
- Integrated smart /real-time operations of WRRF & collection system.
- One Region /One Operating Plan.