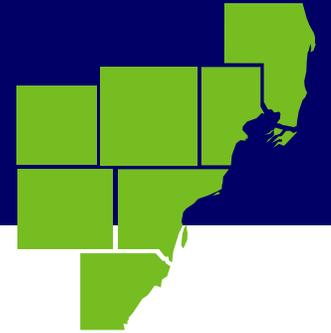


*Developing Regional Solutions*



**SEMCOG**

Southeast Michigan Council of Governments

**Water Infrastructure Funding  
March 12, 2024**

An aerial photograph of a park area. In the foreground, a river flows through a lush green landscape. A paved path winds along the riverbank, leading to a small bridge that crosses the river. The background shows a dense forest of trees and a city skyline under a cloudy sky.

# Water Infrastructure Funding

Appropriations Subcommittee on Environment,  
Great Lakes, and Energy March 12, 2024

*Kelly Karll, PE, SEMCOG Manager, Environment & Infrastructure*

# SEMCOG Water Resource + Infrastructure Planning



- Designated Water & Air Quality Management Agency
- 30+ years in water resource planning
- Collaboration across federal, state and local agencies

March 2023

## Water Infrastructure Policies and Actions for Southeast Michigan

Public  
EducationData & Asset  
ManagementLegislative &  
Regulatory ReformInfrastructure  
CoordinationFunding &  
Financing

- Water Infrastructure Task Force
- Justice 40 Communities Task Force
- Local, state, federal, community groups, non-profit organizations

**Flooding** is a major ongoing priority concern for local agencies!

**Over \$1 Billion Annual Need for Stormwater Infrastructure in SE Michigan**

# Rainfall Projections

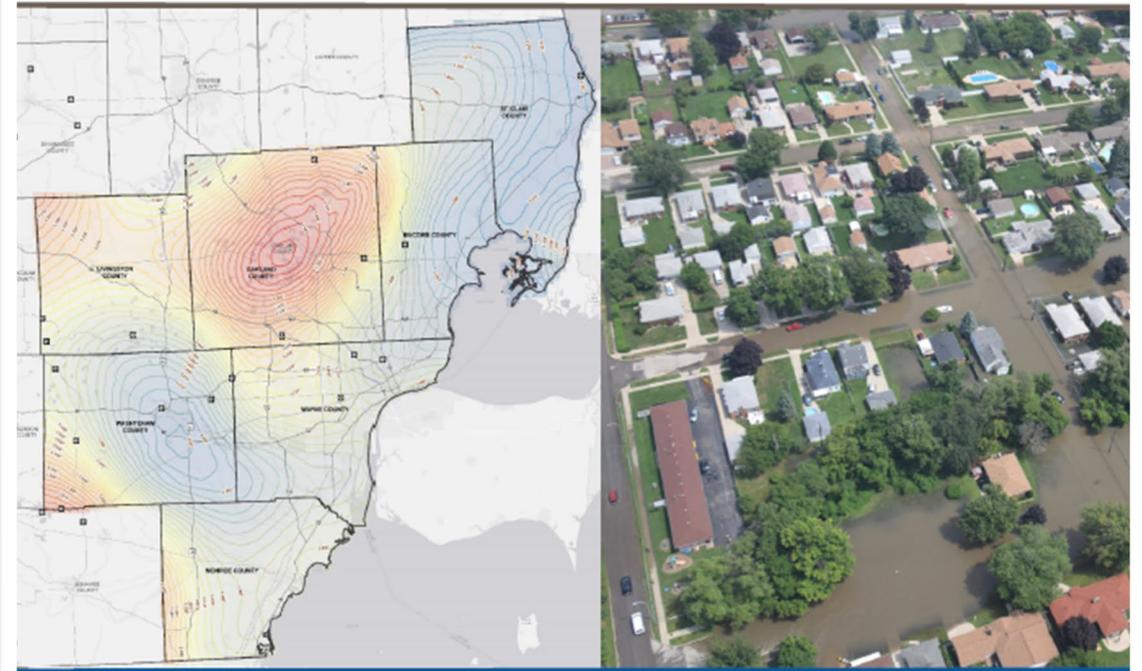
Current 10-year	Mid-Century 10-year (projection)
3.3"	5.2"
	57% ↑

**SEMCOG**

**MDOT**  
Michigan Department of Transportation

## Southeast Michigan Current and Future Precipitation

Climate Resiliency and Flooding Mitigation Study



**Tt** TETRA TECH

June, 2020

# Green Stormwater Infrastructure Solutions



# Regional Stormwater Planning

- \$1.3M EPA Pass-Thru for GI Implementation
- \$700,000 from Erb Family Foundation:
  - \$500,000 – develop resources to expand GREEN initiative and nature-based solutions across region
  - \$200,000 – address green infrastructure needs in underserved areas in region
- \$800k FHWA Resiliency Plan application



# State Revolving Loan Program

## Challenges

- Typically <1% of the Clean Water Funds allocated to stormwater projects compared to wastewater projects
- Loan program vs. grant
- Treatment vs. Flooding



## Recommendations

- Recognize SRF language change from ‘**stormwater treatment**’ to ‘**stormwater management**’
- **Update SRF scoring** to actively request flooding + resiliency projects to fairly compete with other project types
- Set aside **dedicated stormwater management** grants / principal forgiveness
- Initial **20% allocation**

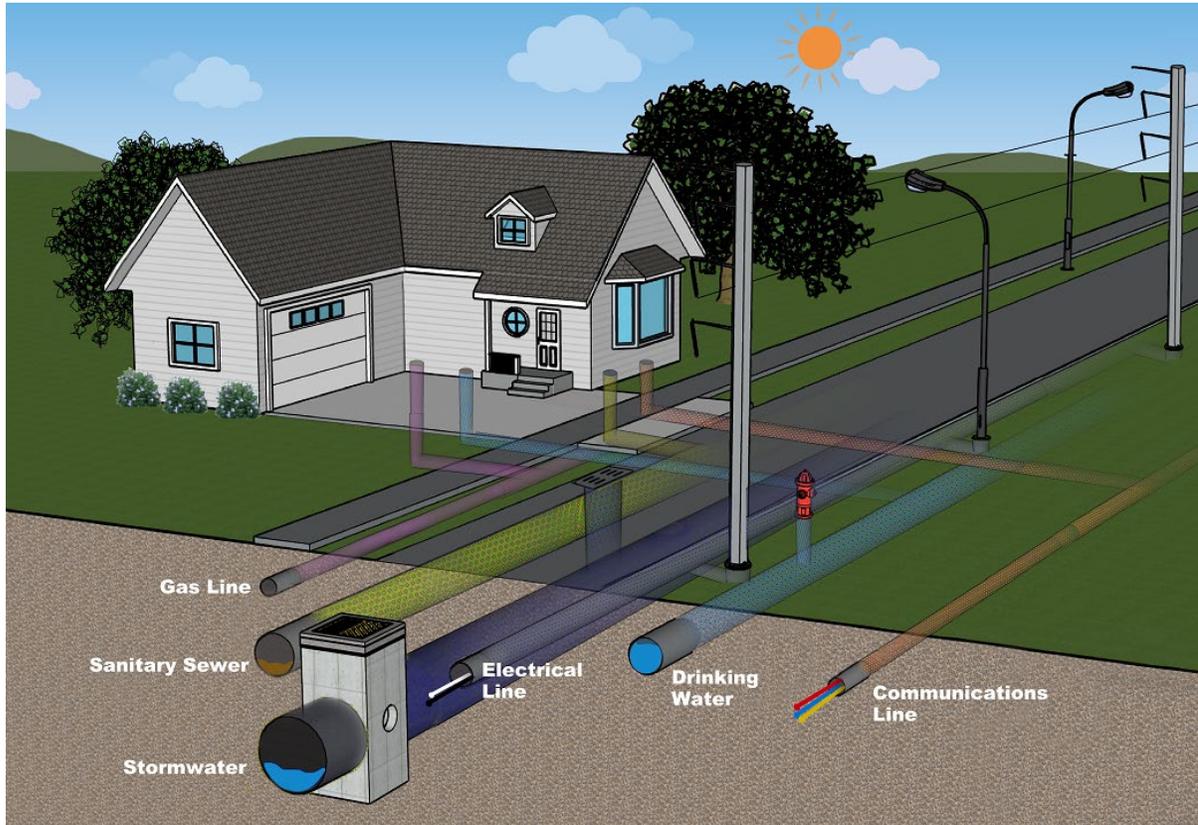
# Stormwater Utility Management Act

## Senate Bill 0660



- Stormwater infrastructure is the only utility without dedicated funding source
- Formal approach to planning, funding and management stormwater infrastructure.
- Funds only for cost of municipal services directly related to management and treatment of stormwater
- 2,500-3,000 stormwater utilities across U.S. (12 in Michigan)

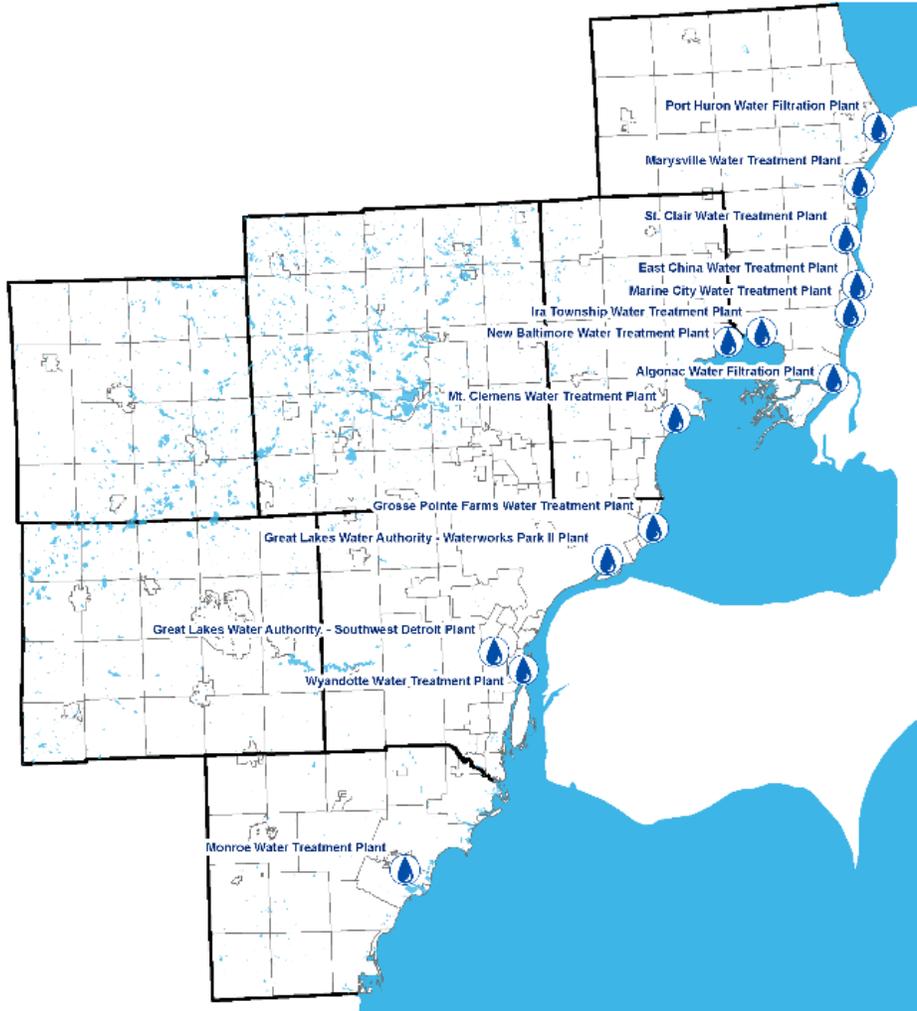
# MIC / WAMC / TAMC



- Infrastructure coordination
- MIC Portal
- Asset Management Training
- EGLE Collaboration
  - Funding Incentives to Align Projects
  - Expedite Permit Reviews
  - Coordinate with Road Agencies
  - Continued Asset Mgt Funding (SAW and Drinking Water)

# Drinking Water - Source Water Protection

## Water Treatment Plants Southeast Michigan



**SEMCOG**

Southeast Michigan Council of Governments  
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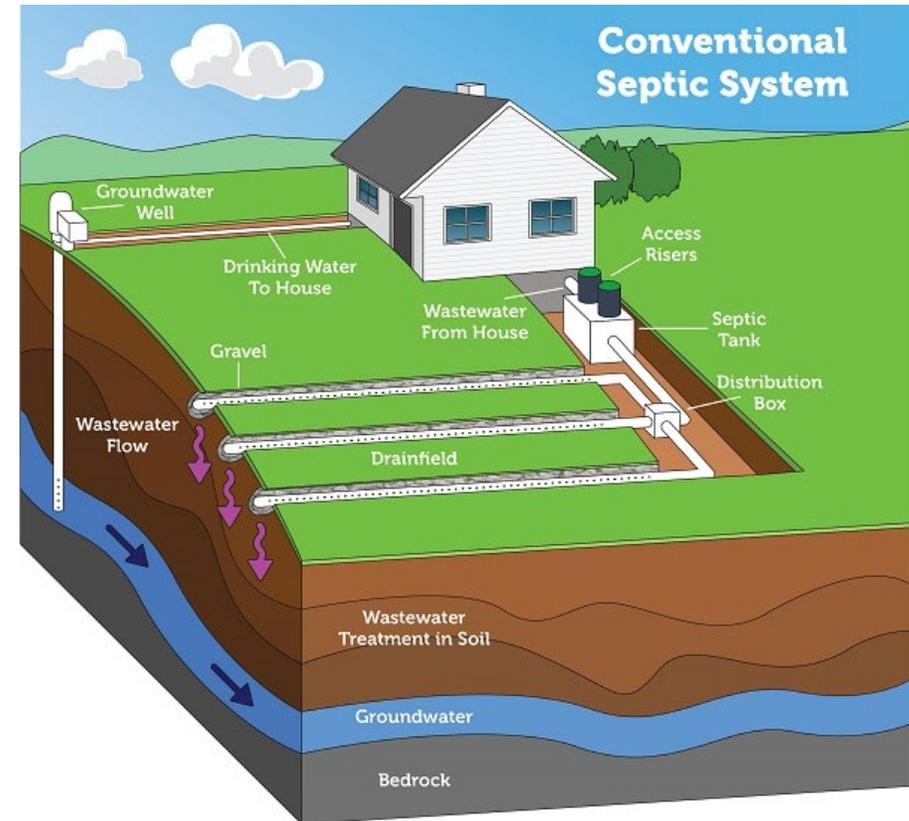
I:\State\Brook\GIS\Working\WaterTreatmentPlants.mxd

- 14 drinking water treatment plant intakes
- Voluntary (not regulatory) real-time data monitoring
- Coordination & Communication
- Huron-to-Erie Corridor
  - Over 20 million tons freight movement
  - Valued at over \$1.6 billion
- Multiple pipelines St. Clair & Detroit Rivers
- \*\*EGLE Funding for Source Water Protection Monitoring

**\$1.5 Million over 5 years to protect public health to monitor**

# Statewide Sanitary Code Considerations

- Septic Systems
- Comprehensive Statewide Database of Existing Systems
  - Multi-Year Effort
- Wastewater Treatment Plant Capacity / Upgrades



Please note: Septic systems vary. Diagram is not to scale.

# EGLE Appropriation Considerations – WRAP UP



- Higher Priority for Stormwater (ie Flooding) Funding
- Nature-Based Solutions Grant Funding Element
- SRF Grant/ Principle Forgiveness Stormwater Management Allocation
- Support Stormwater Utility Legislation
- Funding Incentives for Infrastructure Coordination
- Continued Asset Management Funding
- Consider Source Water Protection Monitoring
- Consider Statewide Septic Database Funding
- EGLE & Legislature Funding Support **THANK YOU!**
- Consider use of regions for additional water resource planning

# THANK YOU!

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