

MSD Project Clear Public Meeting

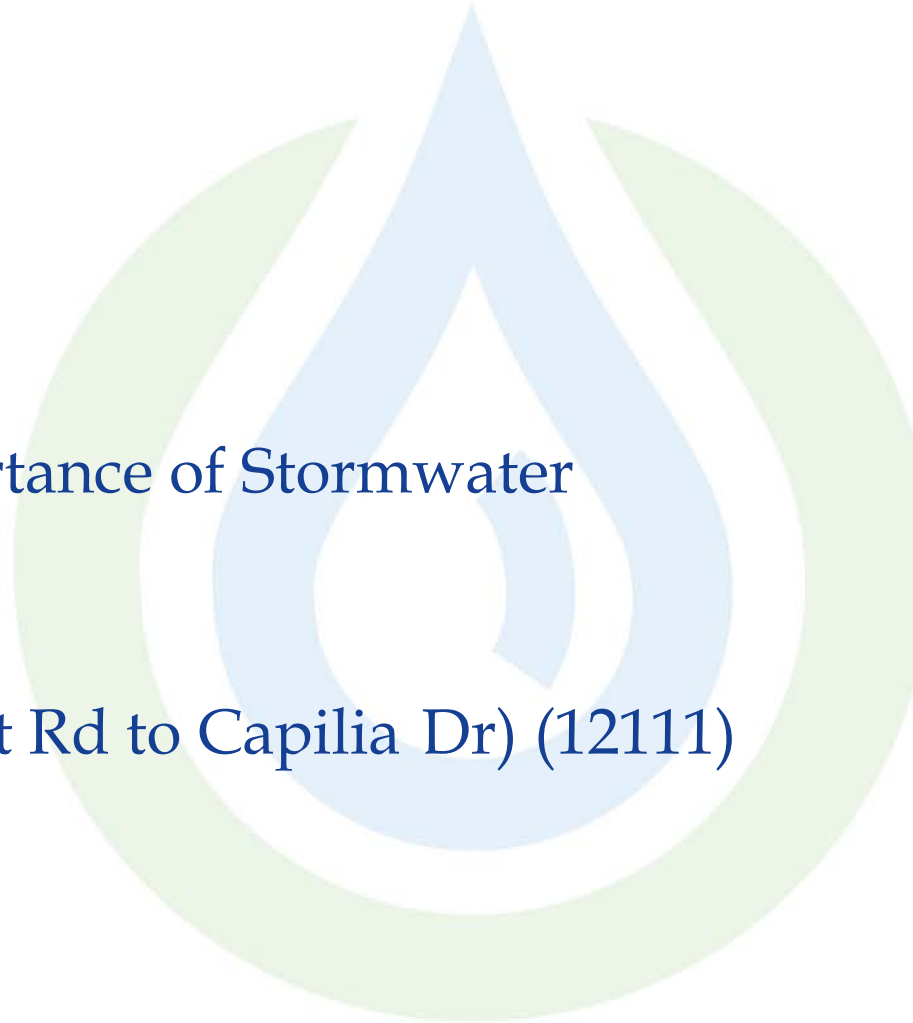


CAPILIA SANITARY RELIEF (GRANT RD TO CAPILIA DR)



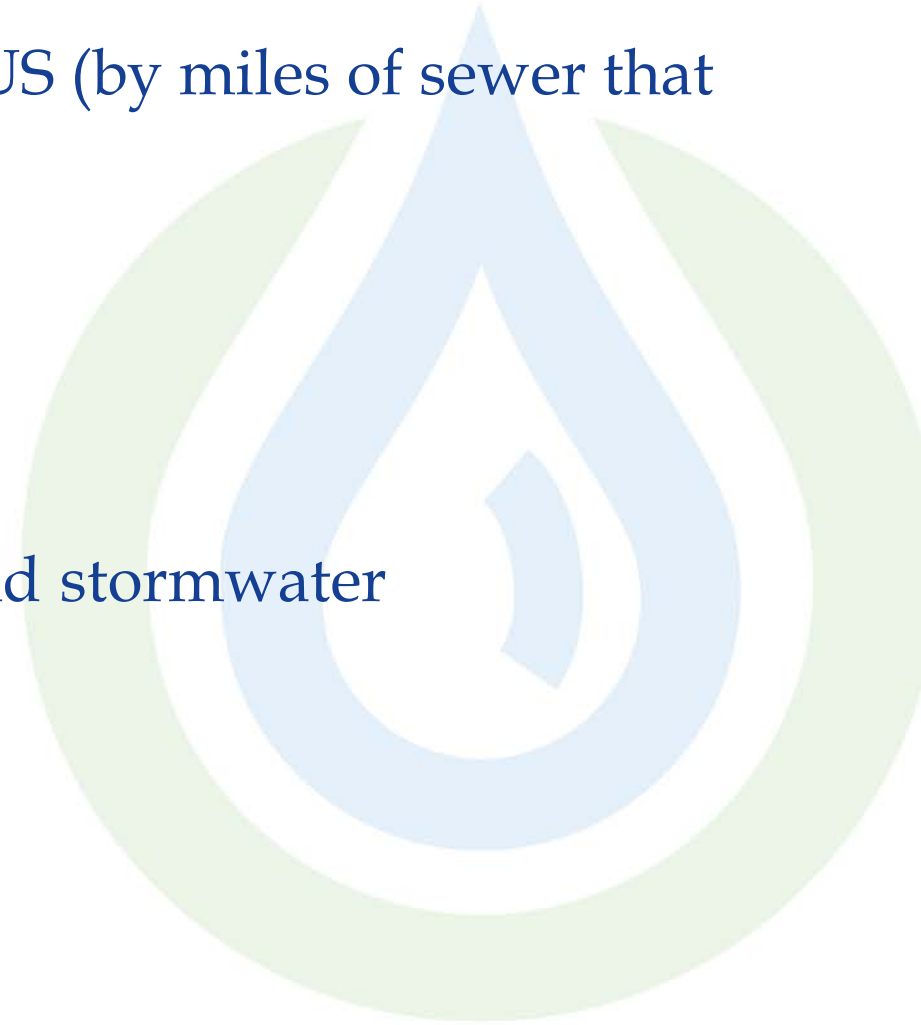
Today's Agenda

- 💧 MSD Overview
- 💧 MSD Project Clear
- 💧 Get the Rain Out: The Importance of Stormwater Disconnection
- 💧 Capilia Sanitary Relief (Grant Rd to Capilia Dr) (12111)



MSD System Overview

- ④ 4th largest sewer system in US (by miles of sewer that handle wastewater)
- ④ 525 square mile service area
- ④ 1,300,000 customers
- ④ Two utilities: wastewater and stormwater



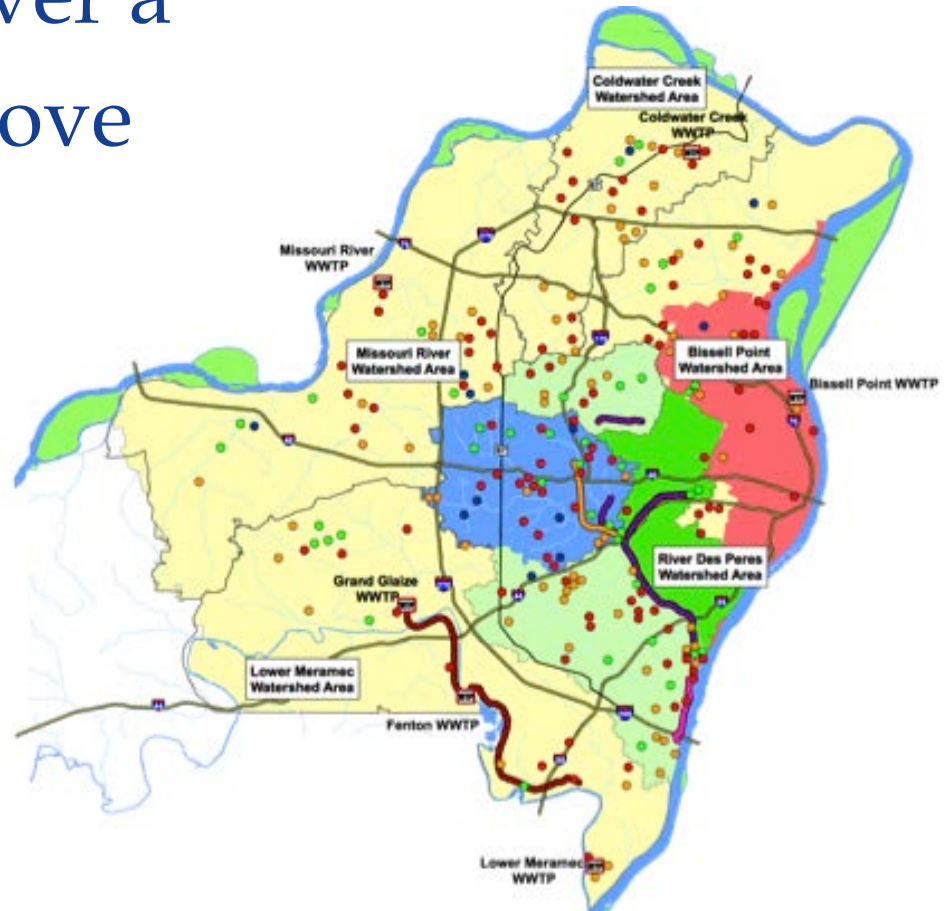
MSD Details

- 90 municipalities served
- 4,744 miles of wastewater sewer
- 1,806 miles of combined sewers
- 3,028 miles of stormwater sewers
- 7 treatment plants
- 350+ million gallons/day
wastewater treated



MSD Project Clear (wastewater only)

Billions invested over a generation to improve water quality in St. Louis...
and expect billions more.





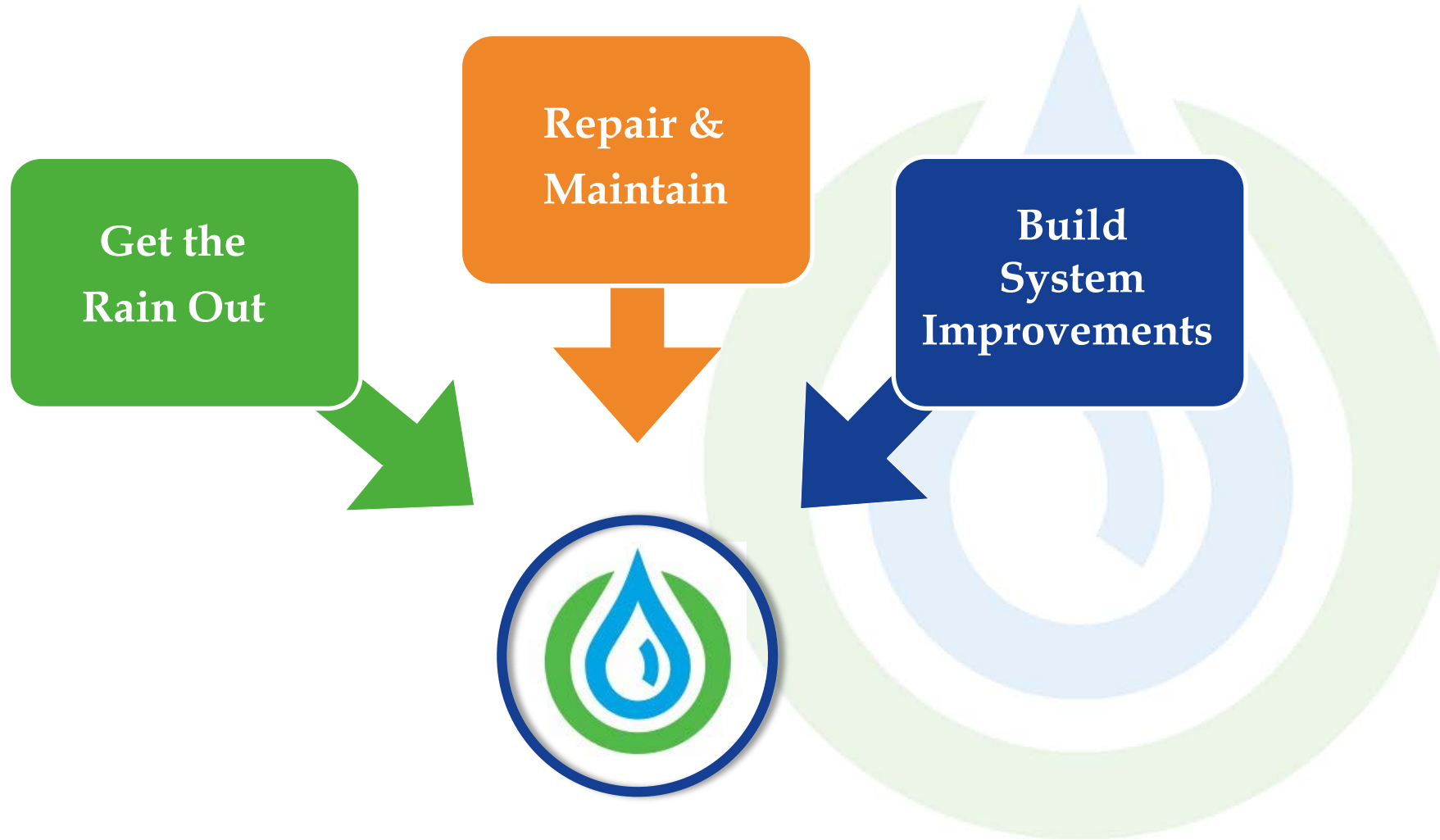
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3 Focus Areas for Project Clear



Get the Rain Out

- 💧 Stormwater Disconnections
- 💧 Rainscaping*
- 💧 Citysheds*
- 💧 Combined Sewer Separations*

Repair & Maintain

- 💧 System Maintenance
- 💧 System Inspection
- 💧 System Rehabilitation and Replacement
- 💧 Fats, Oil and Grease Control Program
- 💧 Emergency Response

Build System Improvements

- 💧 Tunnels
- 💧 Storage Tanks
- 💧 Relief Sewers
- 💧 High-Rate Treatment*

*Combined sewer system only activities

Get the Rain Out

The Importance of Stormwater Disconnections



Why Get the Rain Out?

- ❶ Removing improper connections is four times more cost effective than transport and treatment construction costs.
- ❷ Regulations require disconnection if the source contributes significantly to a capacity related wastewater sewer overflow or building backup.
- ❸ Stormwater disconnection makes sense. It works. It is required.

Stormwater Disconnection

Stormwater Disconnection
Program



Get the rain out with MSD

Capilia Sanitary Relief (Grant Rd to Capilia Dr) (MSD No. 12111)

- 💧 Project Goals
- 💧 Project Overview
- 💧 Project Map
- 💧 Project Schedule
- 💧 What You Can Expect



Project Goals

This project will:

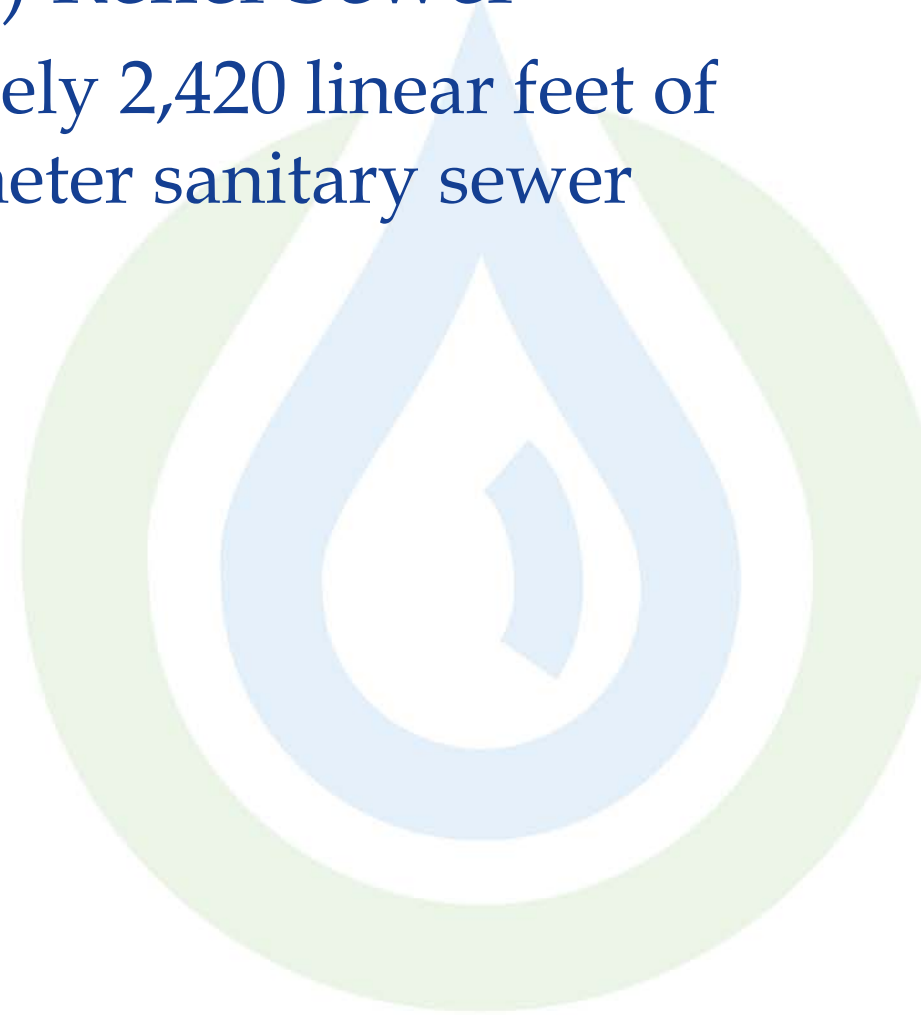
1. Reduce basement backups and wastewater sewer overflows;
2. Increase system capacity;
3. Eliminate two (2) constructed sanitary sewer overflow (SSO) outfalls.



Project Overview

Sanitary (Wastewater) Relief Sewer

- Construct approximately 2,420 linear feet of 8-inch to 15-inch diameter sanitary sewer



Project Map



Anticipated Schedule

Design Phase

- 🔹 Tentative Design Completion: **June 2018**
- 🔹 Easement Acquisition: **July 2018 – July 2019**

Construction Phase

- 🔹 Construction Start: **February 2020**
- 🔹 Construction Finish: **February 2022**

What to Expect: Project Design

- 💧 Minimal disruption.
- 💧 Field crews walking the neighborhood to assess the sewer system.



What to Expect: Wastewater Relief Sewer Construction

- 💧 Some temporary traffic disruption.
- 💧 Work trucks and crews in your neighborhood.
- 💧 Equipment staged in the right of way.
- 💧 You will receive information from the construction team before their work begins.



Get the Rain Out: Additional Projects

- ④ Gravois Trunk Sanitary Storage Facility (Pardee Ln and Pardee Rd)
 - Sewer storage in the Capilia project area
 - Tentative Construction: December 2018 – December 2020
- ④ Gravois Trunk (Whitecliff to RDP) Sanitary Rehabilitation (Fannie Ave to Pardee Lane)
 - Sewer rehabilitation in the Capilia project area
 - Tentative Construction: Summer 2019

Your Turn!

- 💧 We welcome your questions and feedback about MSD in general.
- 💧 See one of our team members for questions on the relief sewer or anything else.
- 💧 Please fill out our survey after the meeting.

Questions?



www.ProjectClearSTL.org



@PCLemay



Project Clear Lemay

