

Story and Main CSO Basin MSD Project



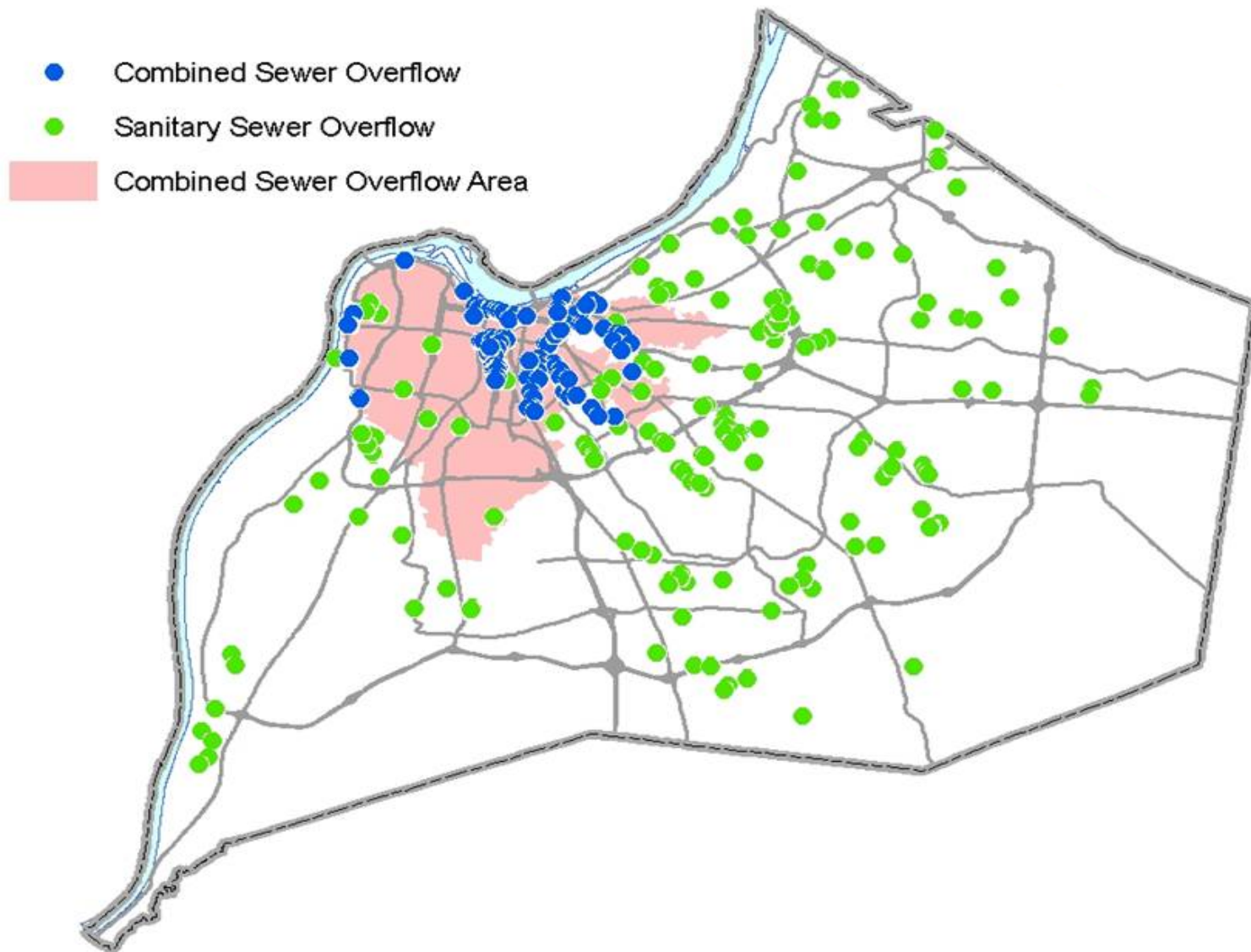
What We Will Talk About Tonight

1. Introduction to Story and Main CSO Basin Project
 - Where it will be located
 - Overview of Project Phases
 - Your Role and MSD's Role During these Phases
2. Overflows of Untreated Sewage
 - How they impact you
 - How the sewer system evolved
3. How to Fix the Problem
 - Things you can do
 - Things that MSD is doing
4. How We Are Paying for The Project?
5. Next Steps for the Project and You

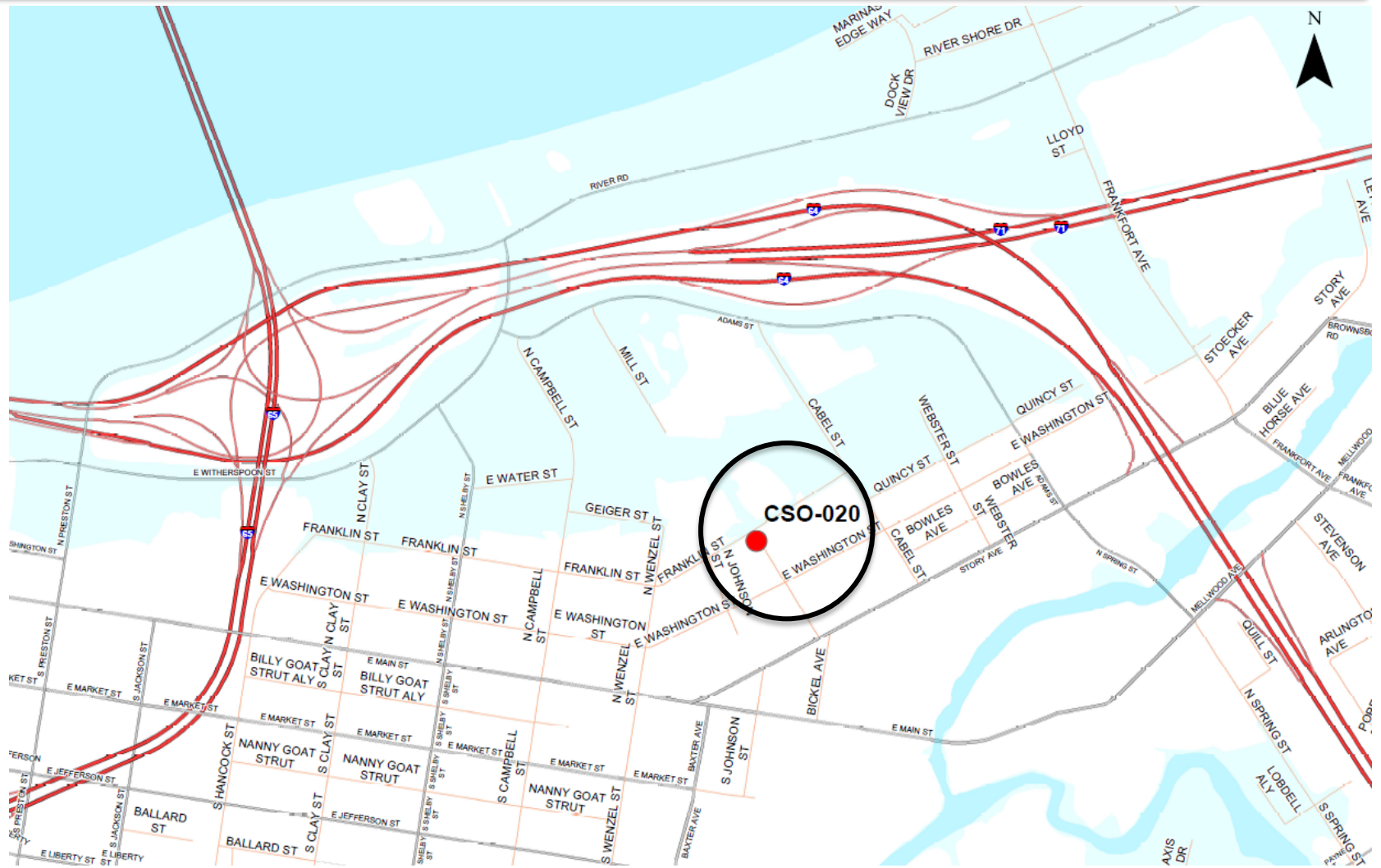


1. Introduction to Story and Main CSO Basin Project

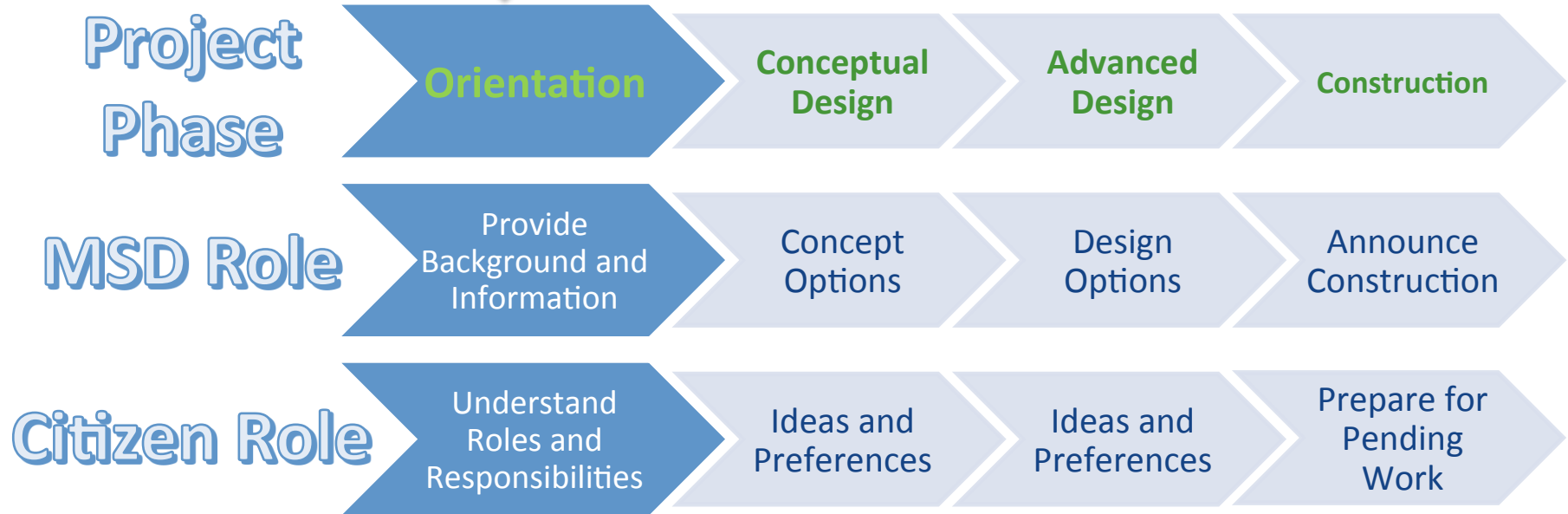
(Buchanan Street and Franklin Street)



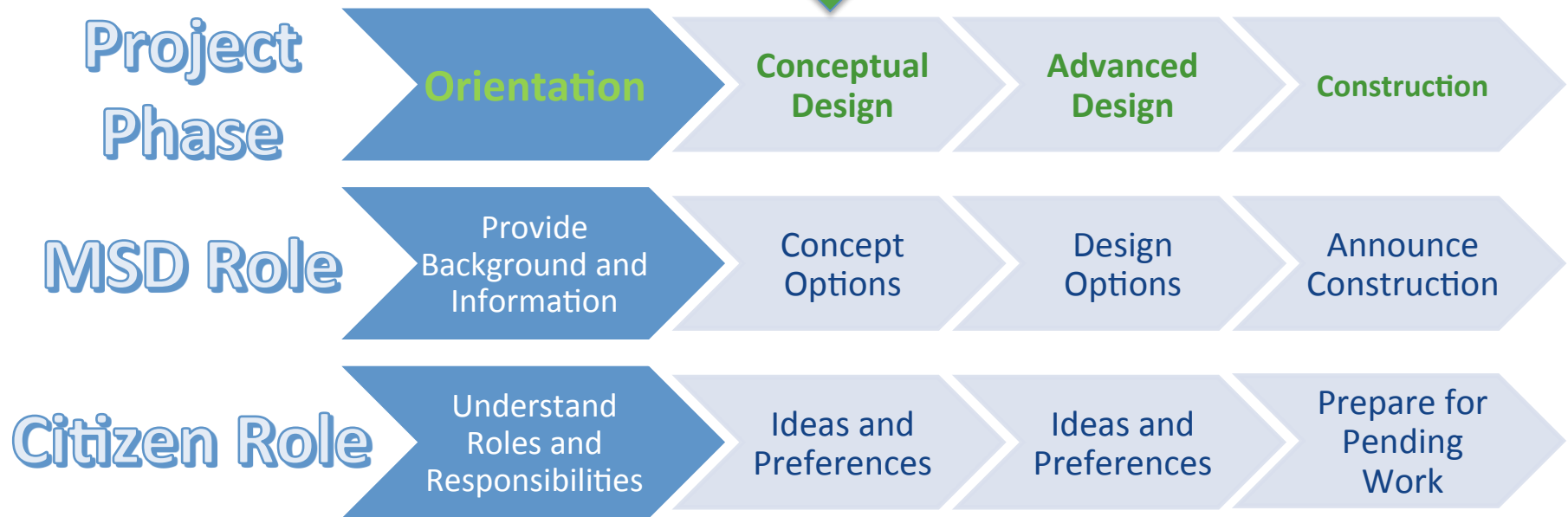
Story and Main Project Area



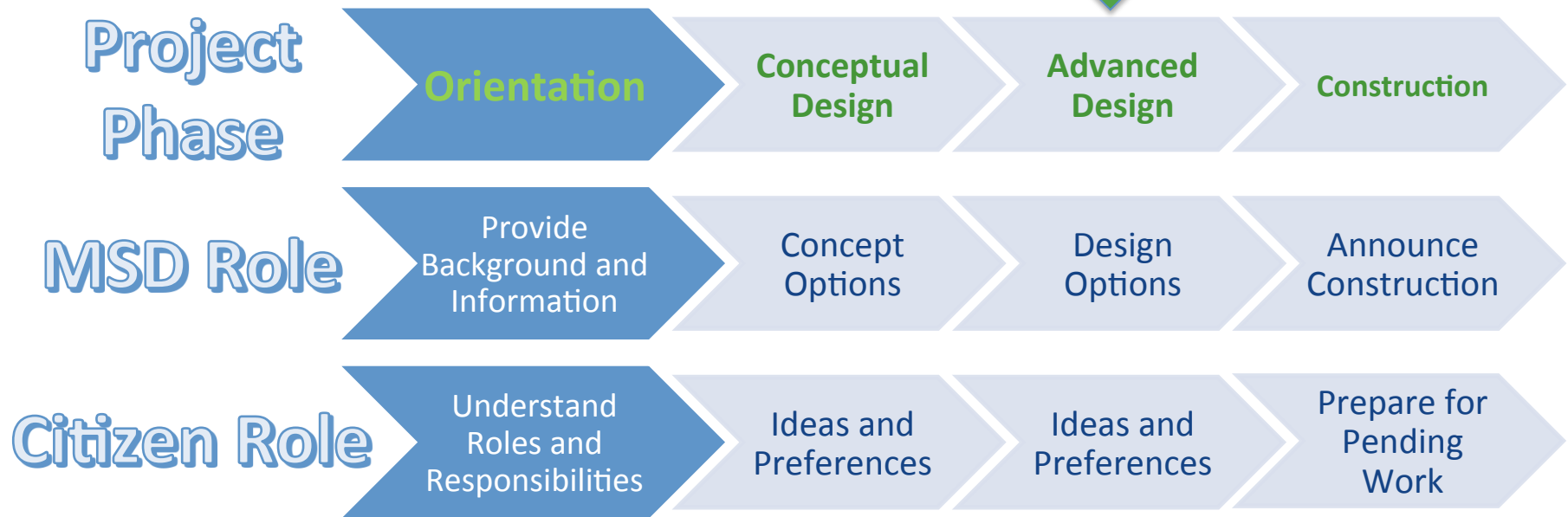
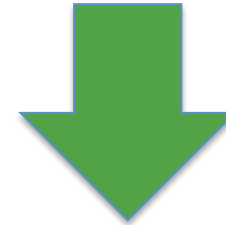
Project Phases and Responsibilities



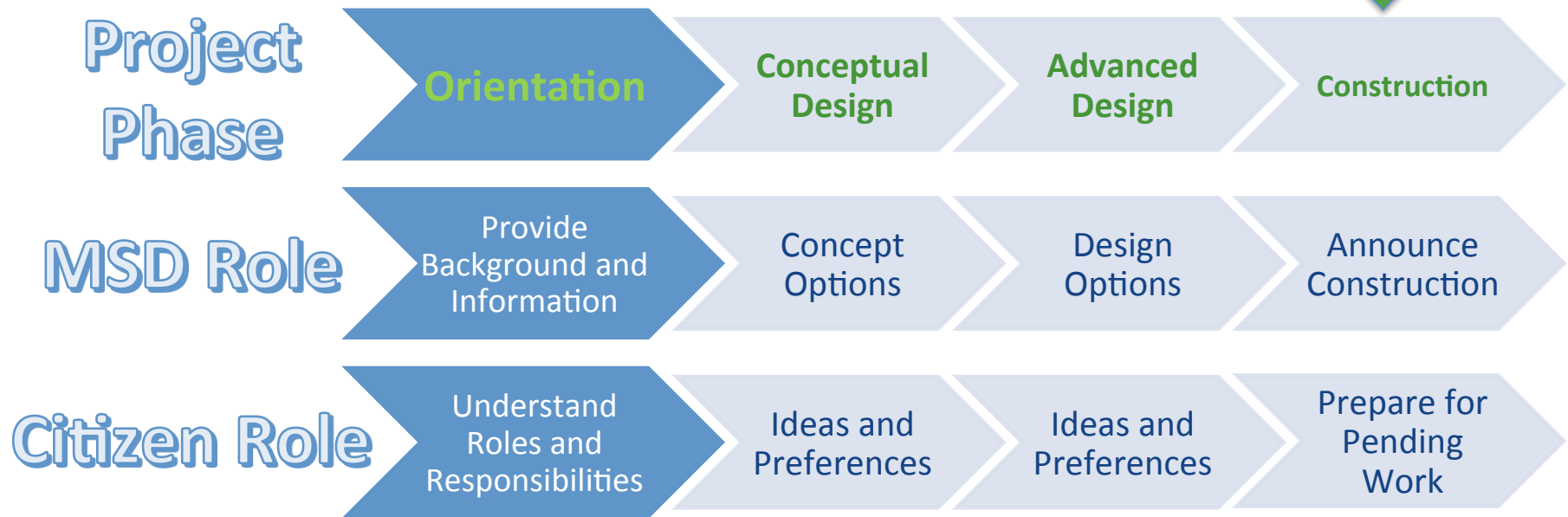
Project Phases and Responsibilities



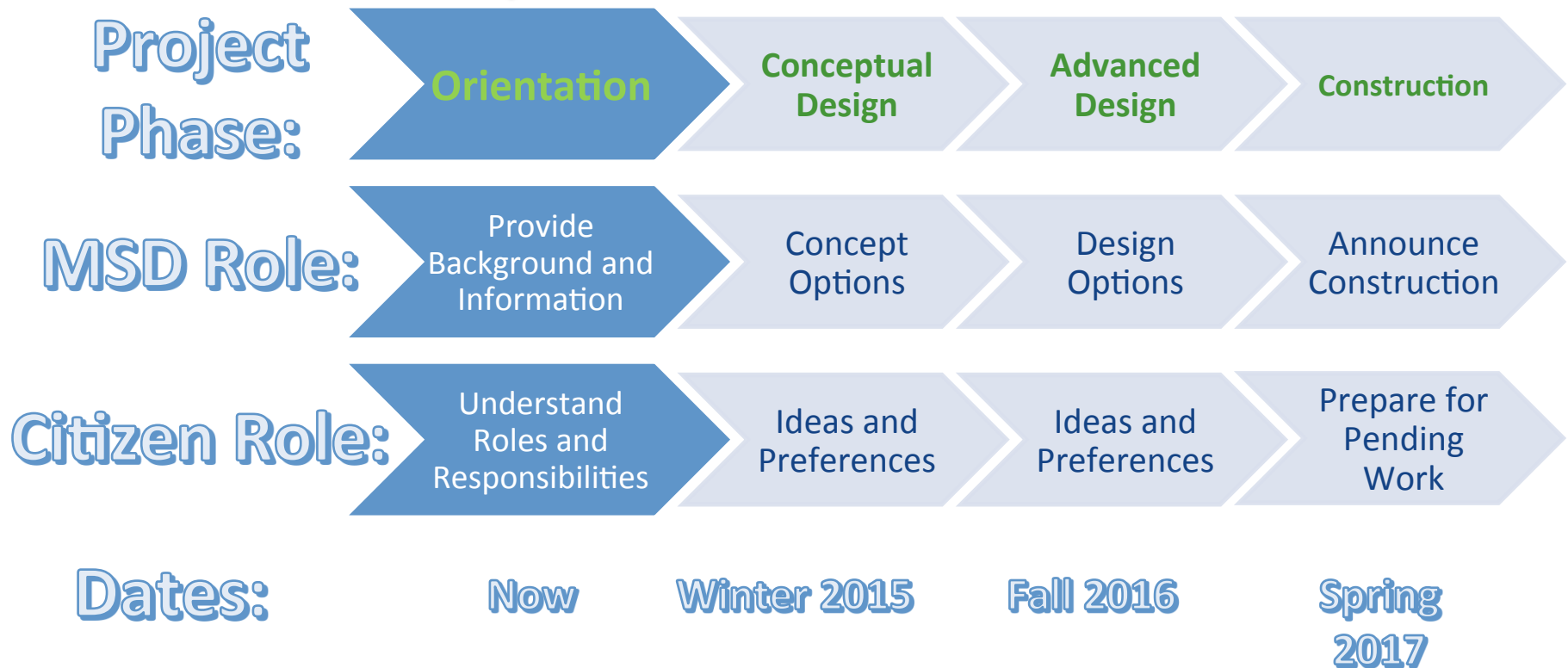
Project Phases and Responsibilities



Project Phases and Responsibilities



Story and Main CSO Storage Basin Schedule



Public Engagement Tools: “Clickers” and Online Polling

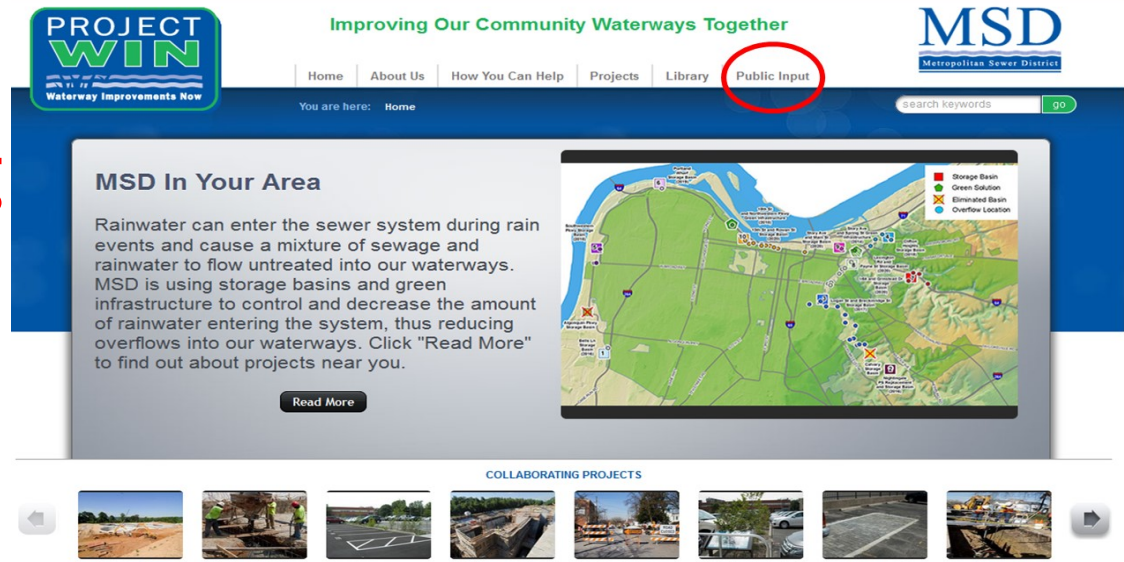
“Clickers” for Public Meetings

- Simple To Use
- Anonymous (No One Knows Your Answers)
- Simultaneous (We All See the Results At the Same Time)
- Equal Voice for All



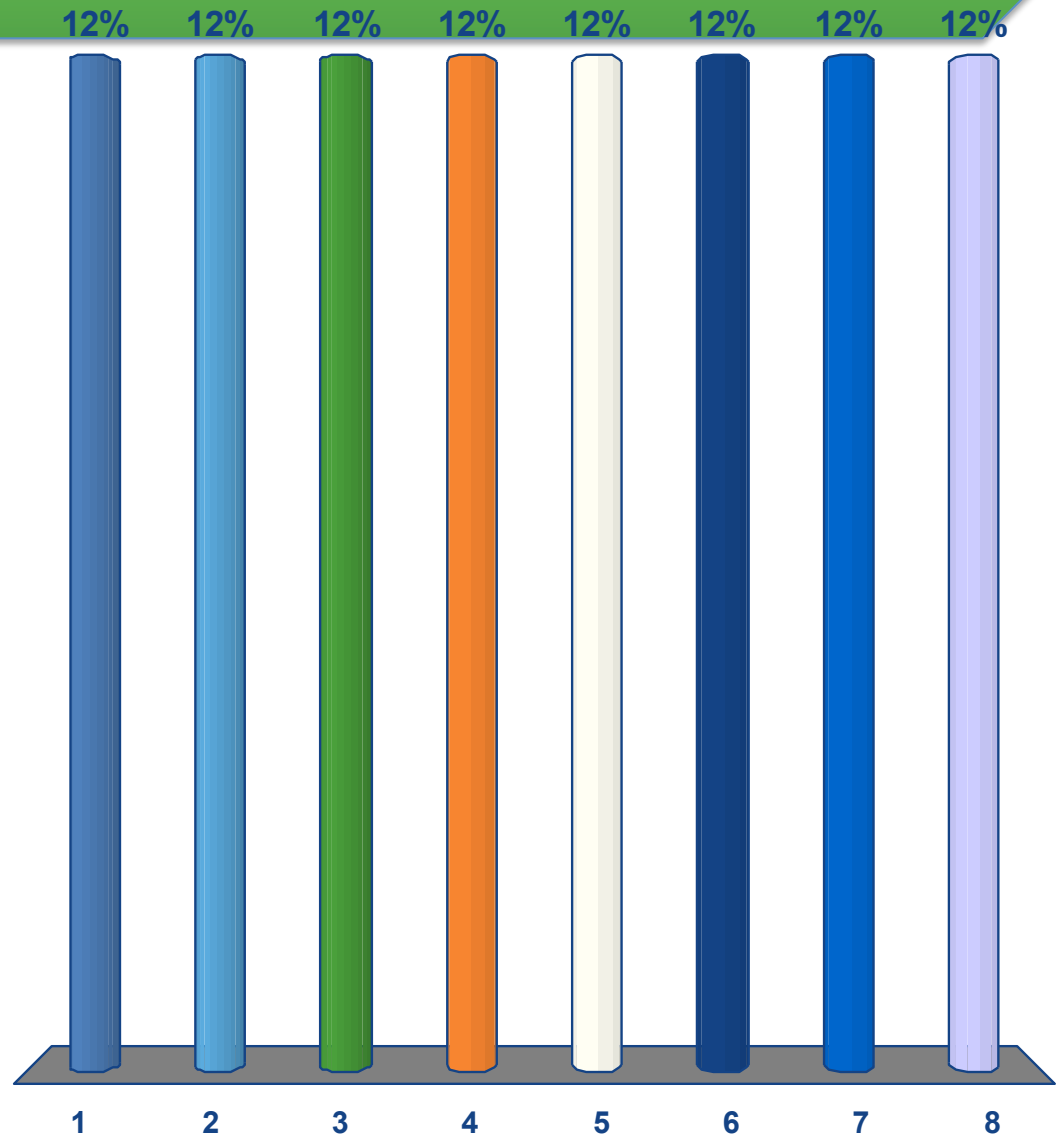
Online Polling for Those Who Can't Attend Public Meetings

msdprojectwin.org



How Young Are You?

1. 0-19
2. 20-29
3. 30-39
4. 40-49
5. 50-59
6. 60-69
7. 70-79
8. 80+



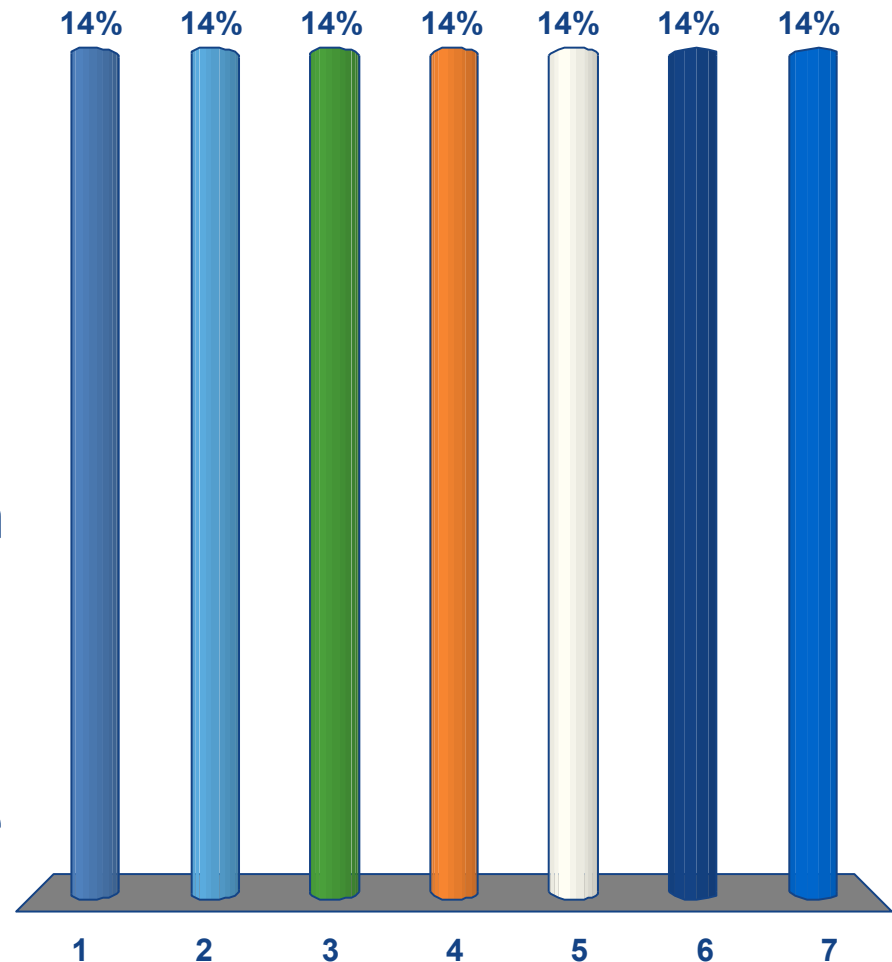
Gender?

1. Male
2. Female



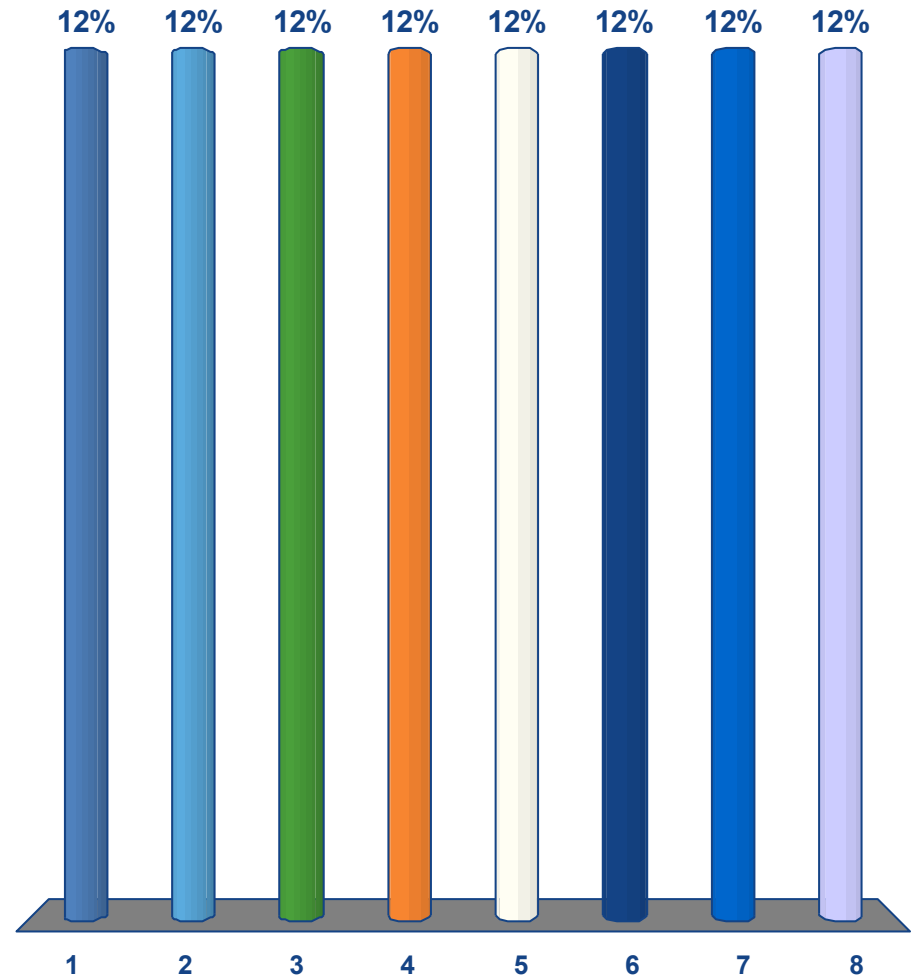
How Did You Hear About this Meeting? (Up to 3)

1. Post Card
2. Saw It in the CJ
3. Saw it in a Metro Council Newsletter
4. Heard About it From Someone
5. Received a Flyer
6. Project WIN website
7. Other



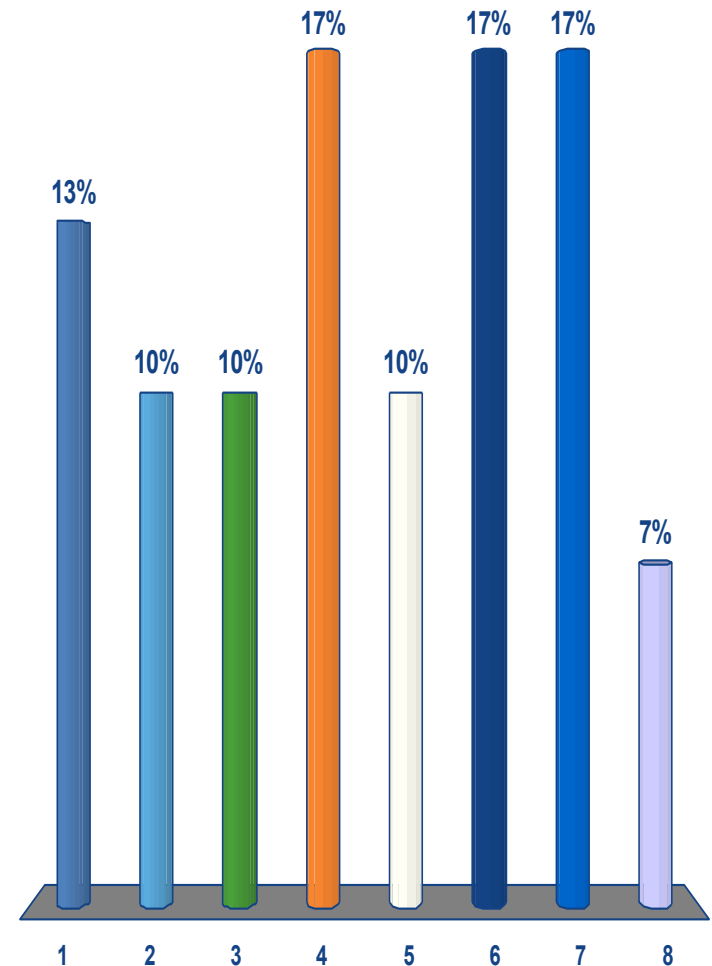
What Are Your Primary Sources of Information About MSD Projects? (Up to 3)

1. Public Meetings
2. Metro TV Videos
3. Project WIN website
4. Local Mainstream Print or Broadcast Media
5. Alternative Press or Online Media
6. Metro Council Email / Newsletter etc.
7. Word of Mouth
8. I don't have any previous knowledge of MSD projects.



How Would You Like to Learn About MSD's Projects? (Up to 3)

1. Public Meetings
2. Metro TV Videos
3. Project WIN website
4. Local Mainstream Print or Broadcast Media
5. Social Media
6. Metro Council District Newsletter
7. Email
8. Bill Inserts



2. Overflows of Untreated Sewage













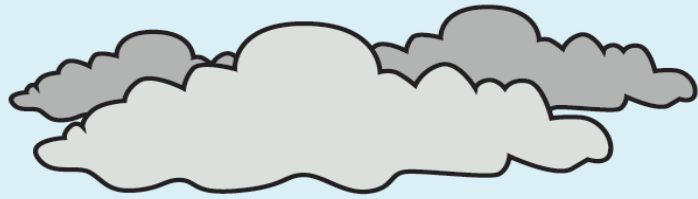




Public Health and Safety Mandate

2005	Federal EPA & State of Kentucky mandate overflow abatement
2008	MSD submitted \$850 million plan to satisfy the mandate
2009	Federal EPA & the State of Kentucky approve the plan
2020	Combined Sewer Overflow Program complete
2024	Separate Sewer Overflow Program complete





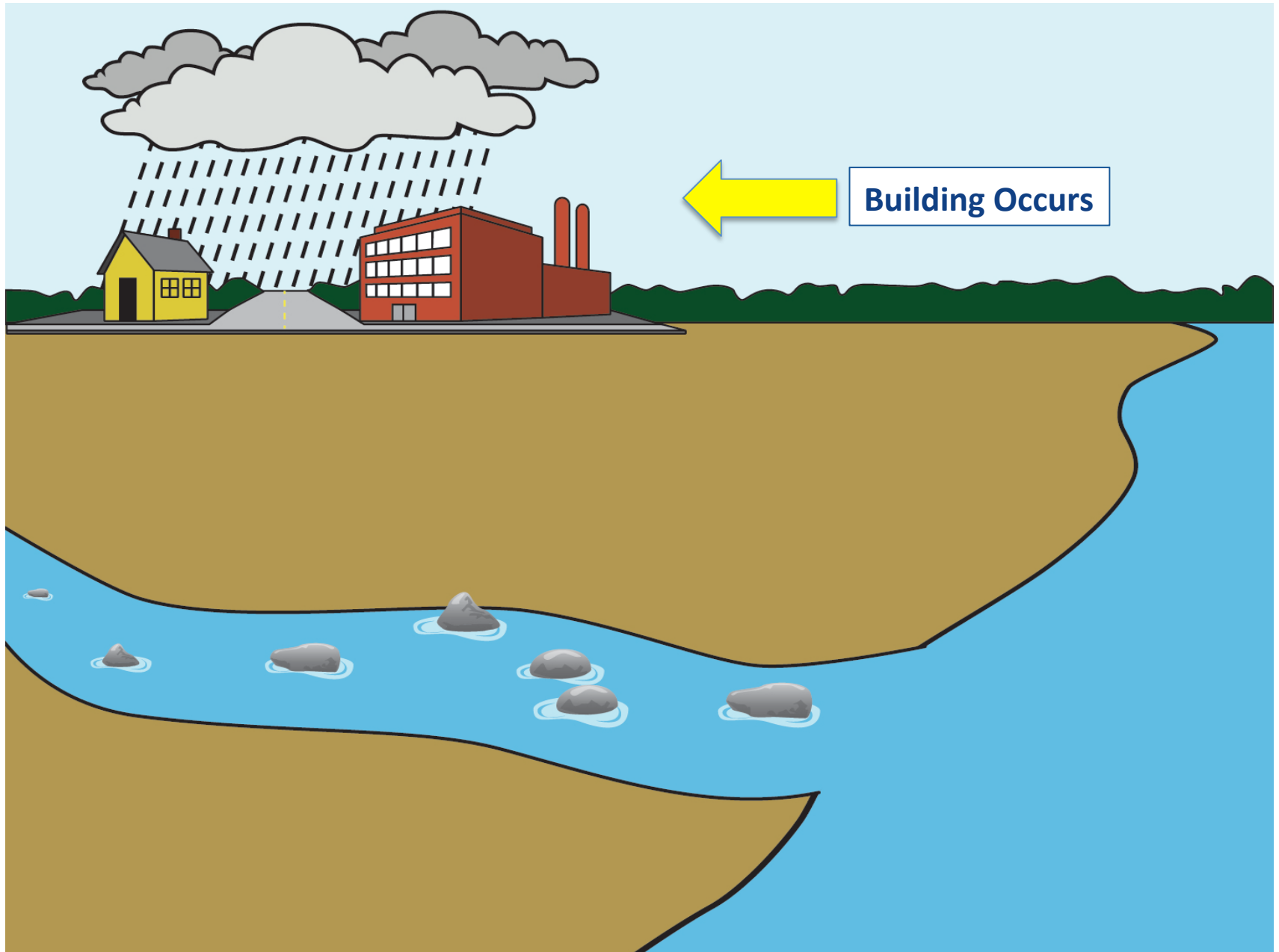
History of Louisville's Sewers and Overflows

Undeveloped Land & Streams



1796 Map of Louisville

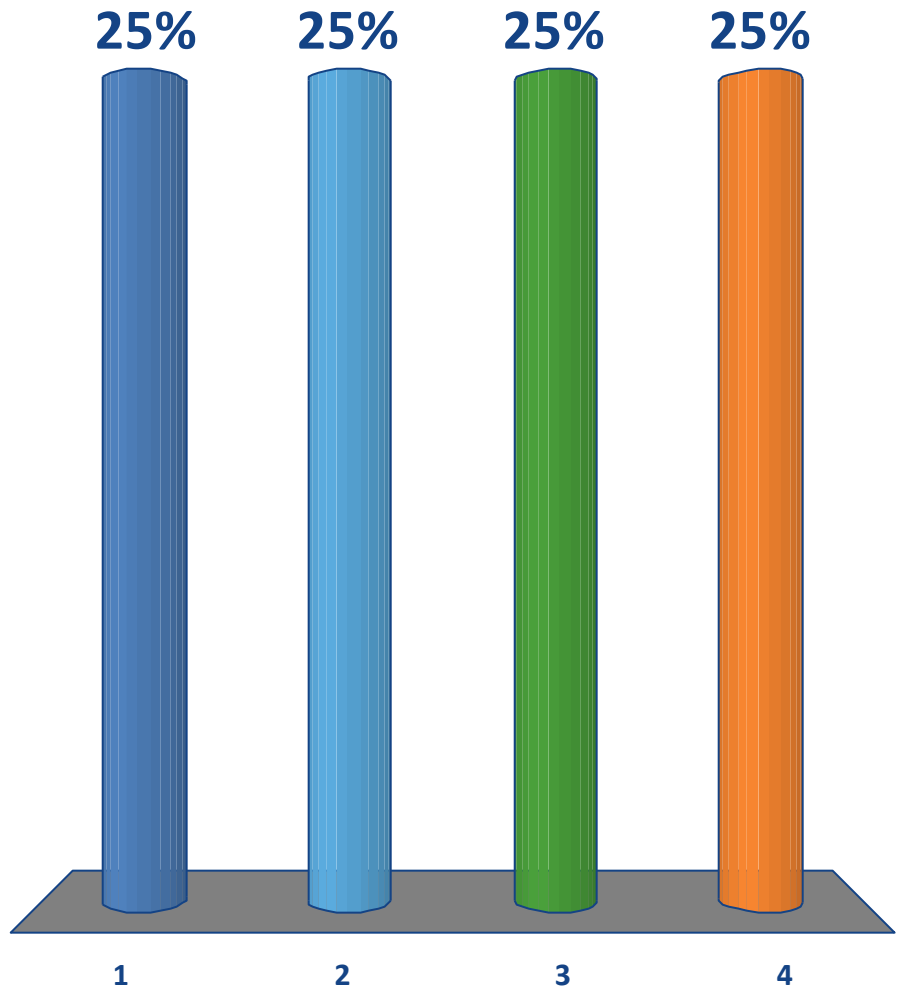




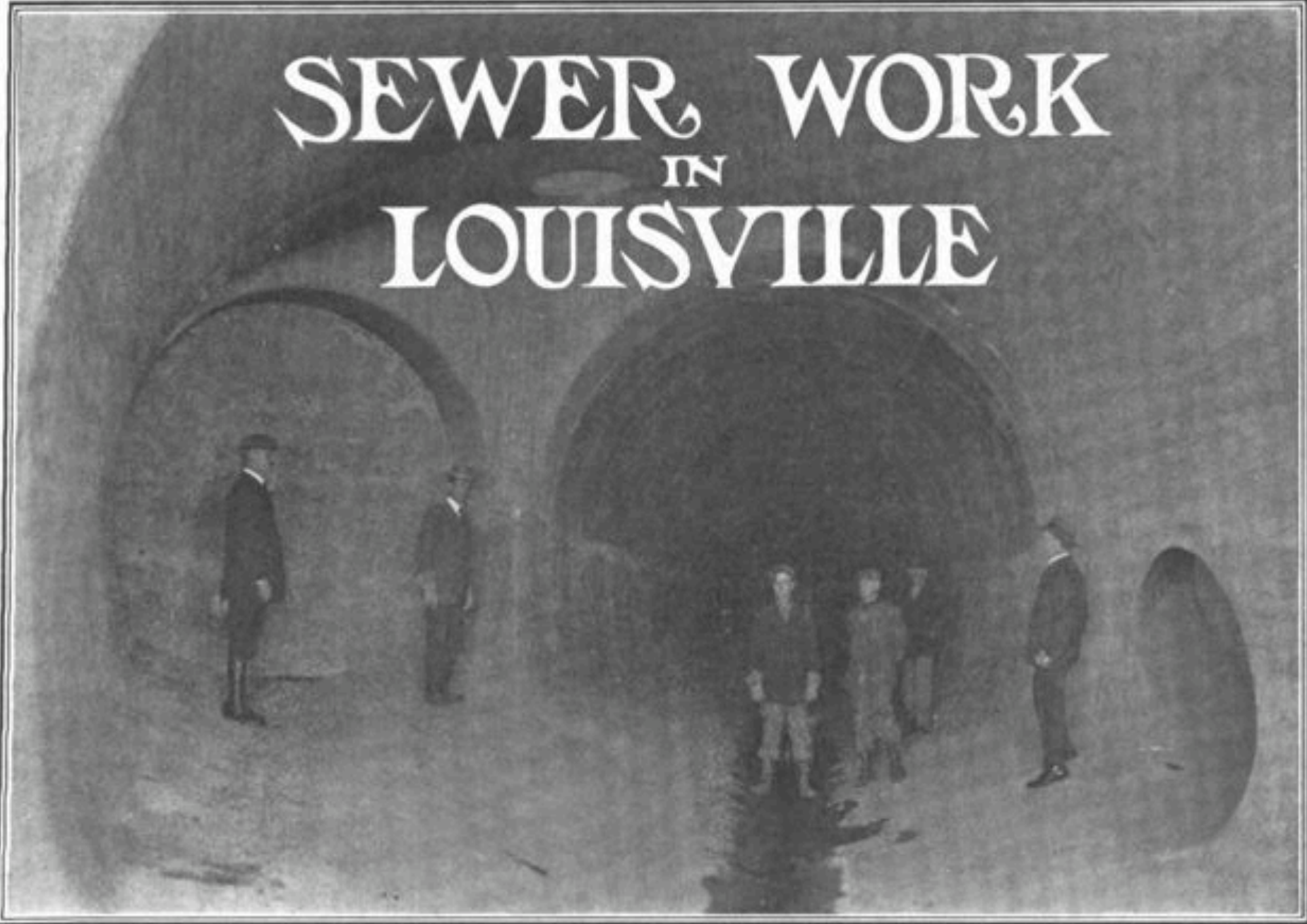


When Were the First Sewers Built in Louisville?

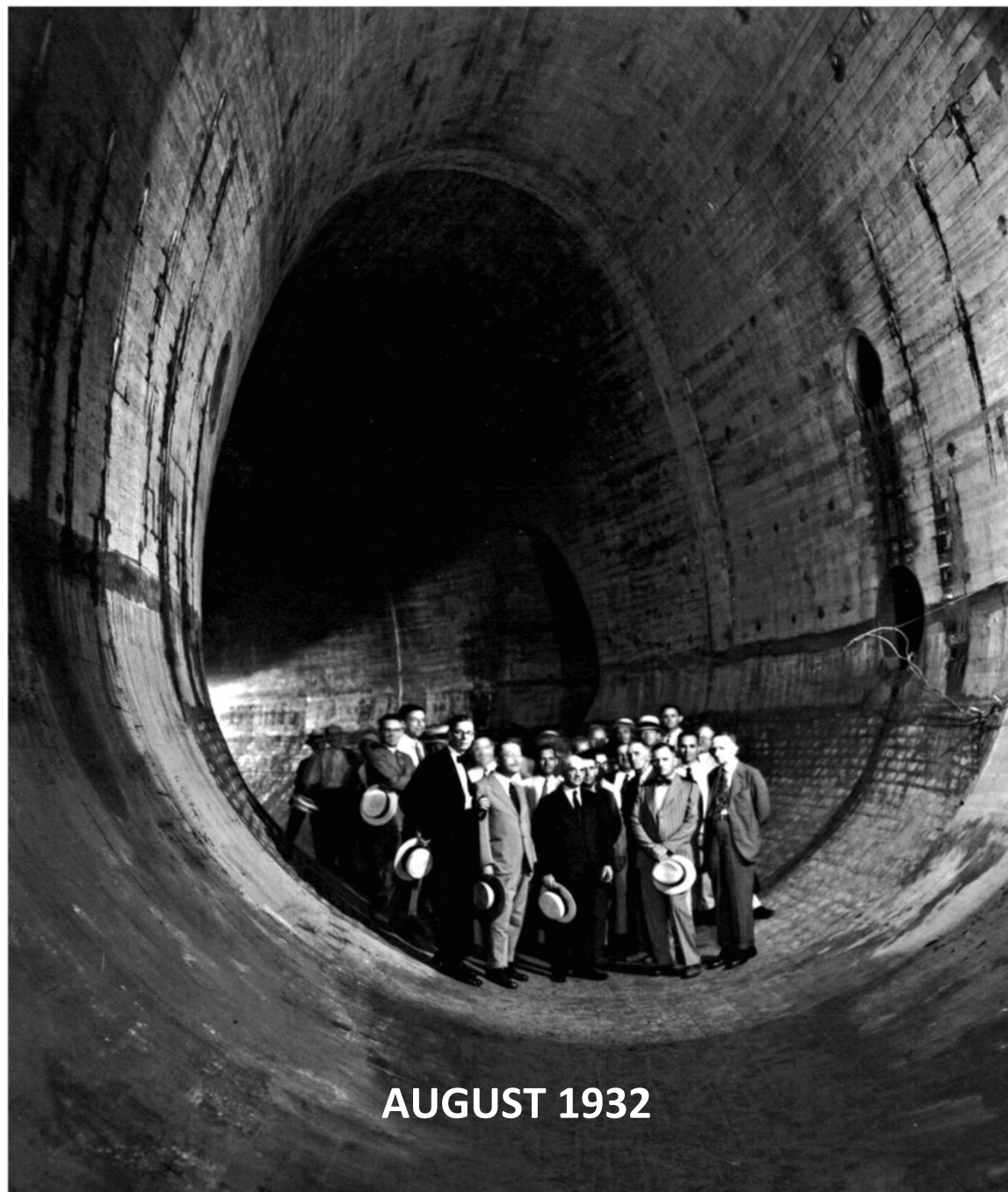
1. Founding of the City
2. Before 1850
3. Beginning of the 20th Century (1900)
4. During the Depression



SEWER WORK IN LOUISVILLE

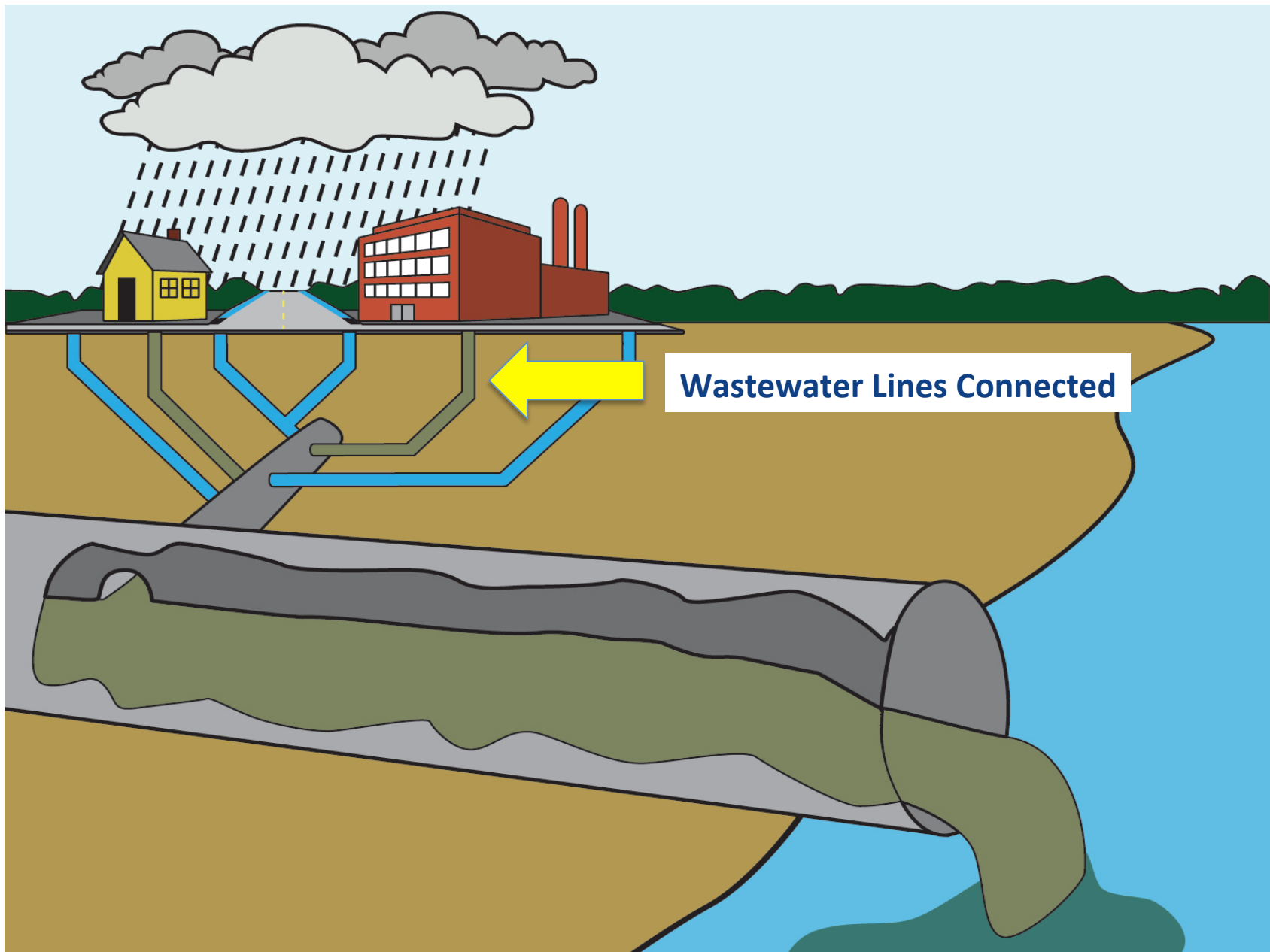


JUNCTION CHAMBER, LOUISVILLE'S NEW SEWER SYSTEM



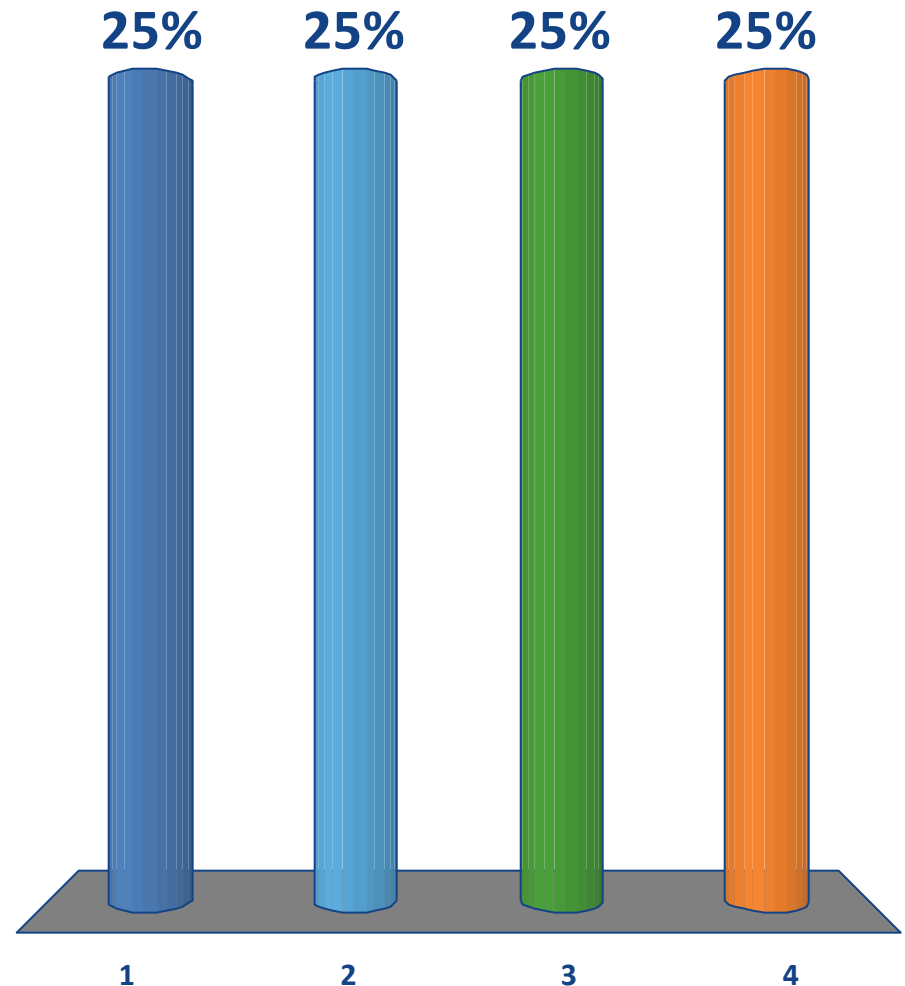
AUGUST 1932

SOUTHWESTERN OUTFALL

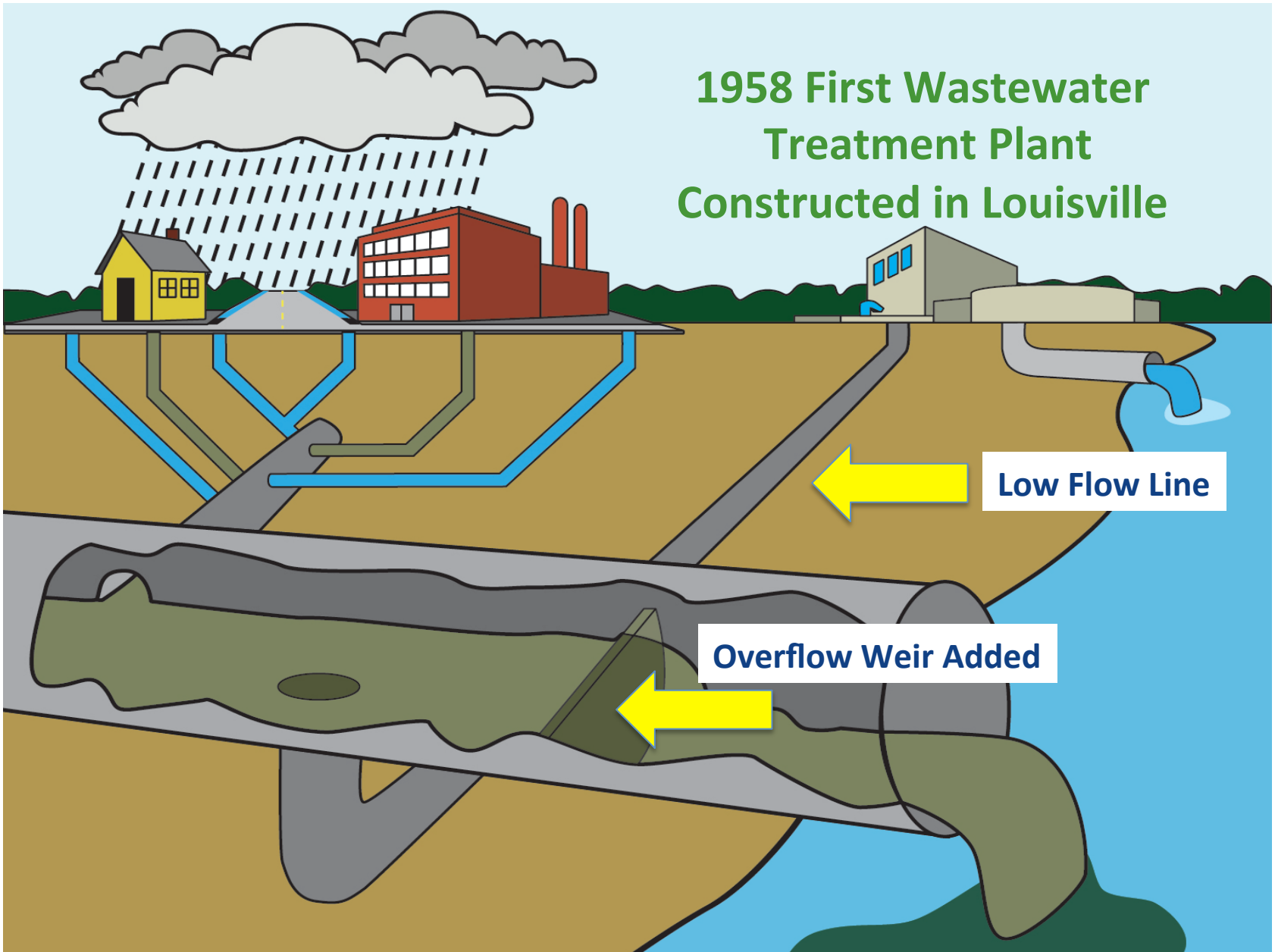


In Which Decade Did Louisville Begin to Treat Sewage?

1. 1900
2. 1930's
3. 1940's
4. 1950's
5. 1960's



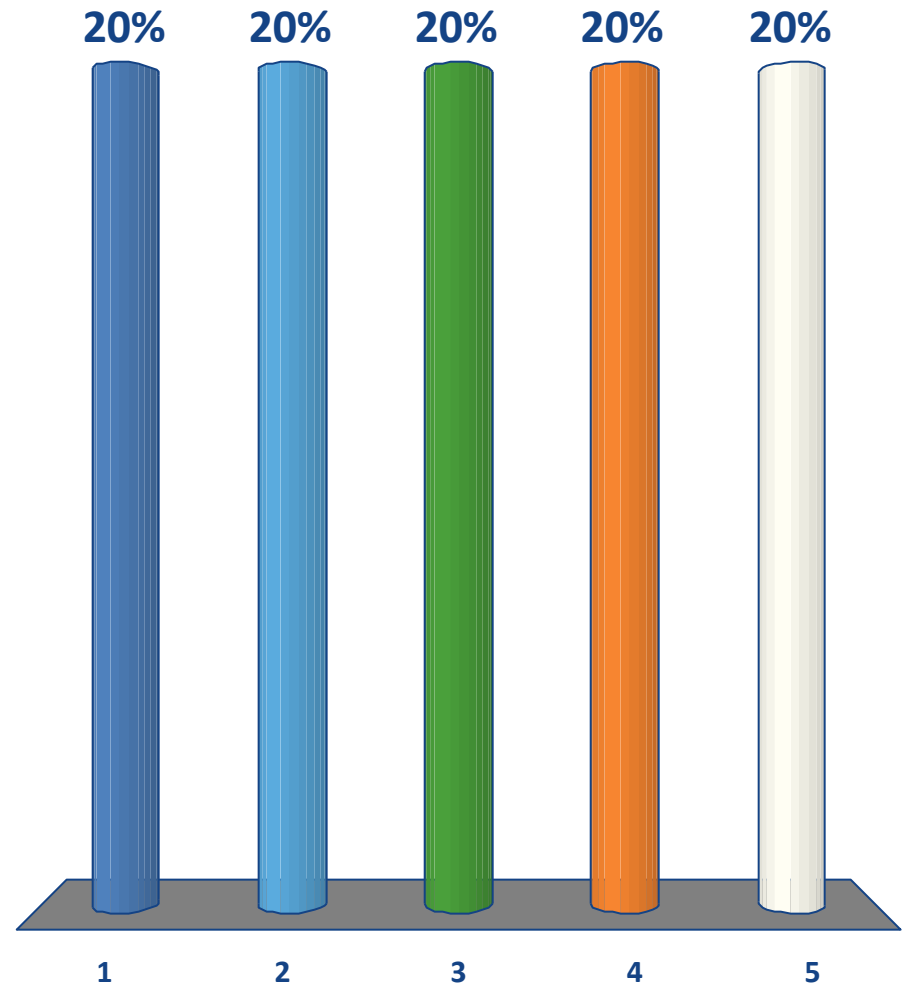
1958 First Wastewater Treatment Plant Constructed in Louisville





As Little as ____ of Rainfall Can Cause an Overflow?

1. 1/10 inch
2. 1/2 inch
3. 1 inch
4. 2 inches
5. 5 inches



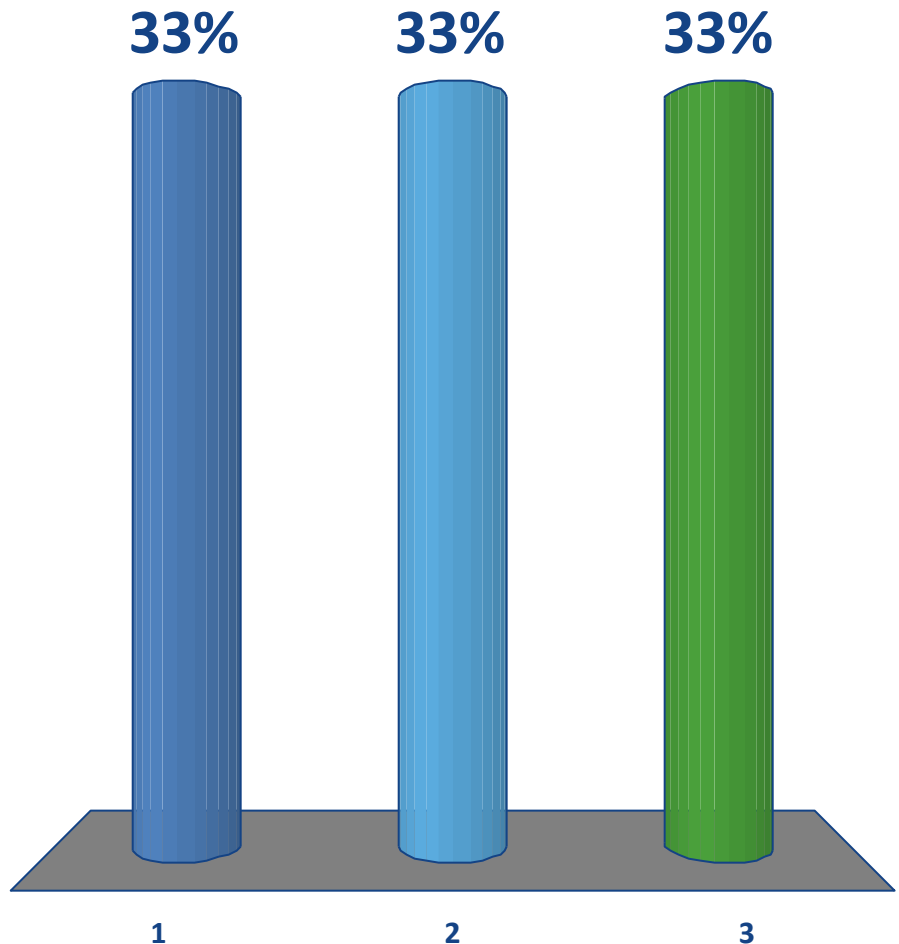
Sewers Built Separately after 1955



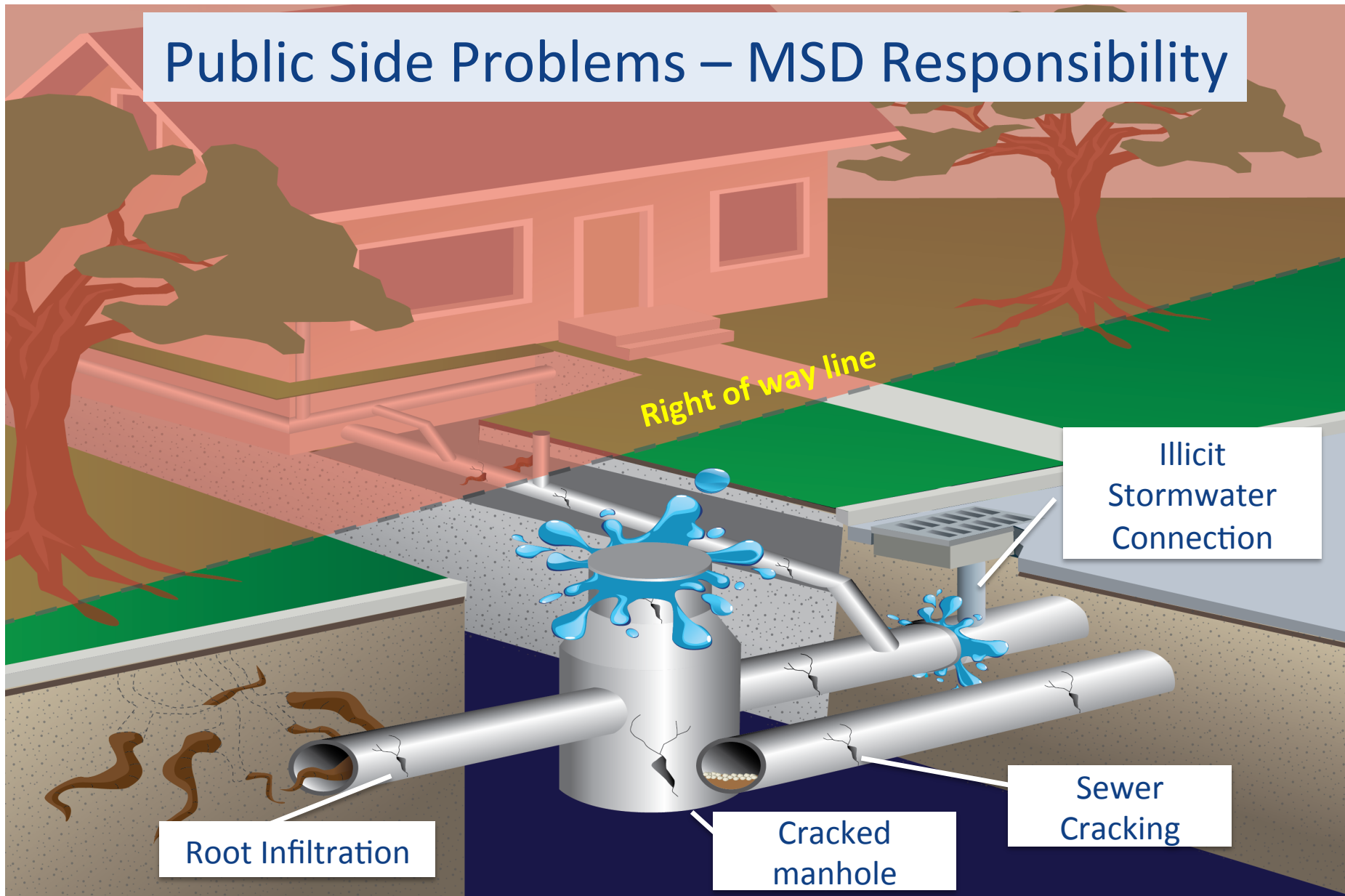


MSD is Responsible for the Sewer System up to ____.

1. The foundation of the building that is connected
2. The easement or right-of-way
3. MSD only works on the mains in the middle of the street.



Public Side Problems – MSD Responsibility



Home Owner Problems (and Responsibility)

What I put into the sewer, and when

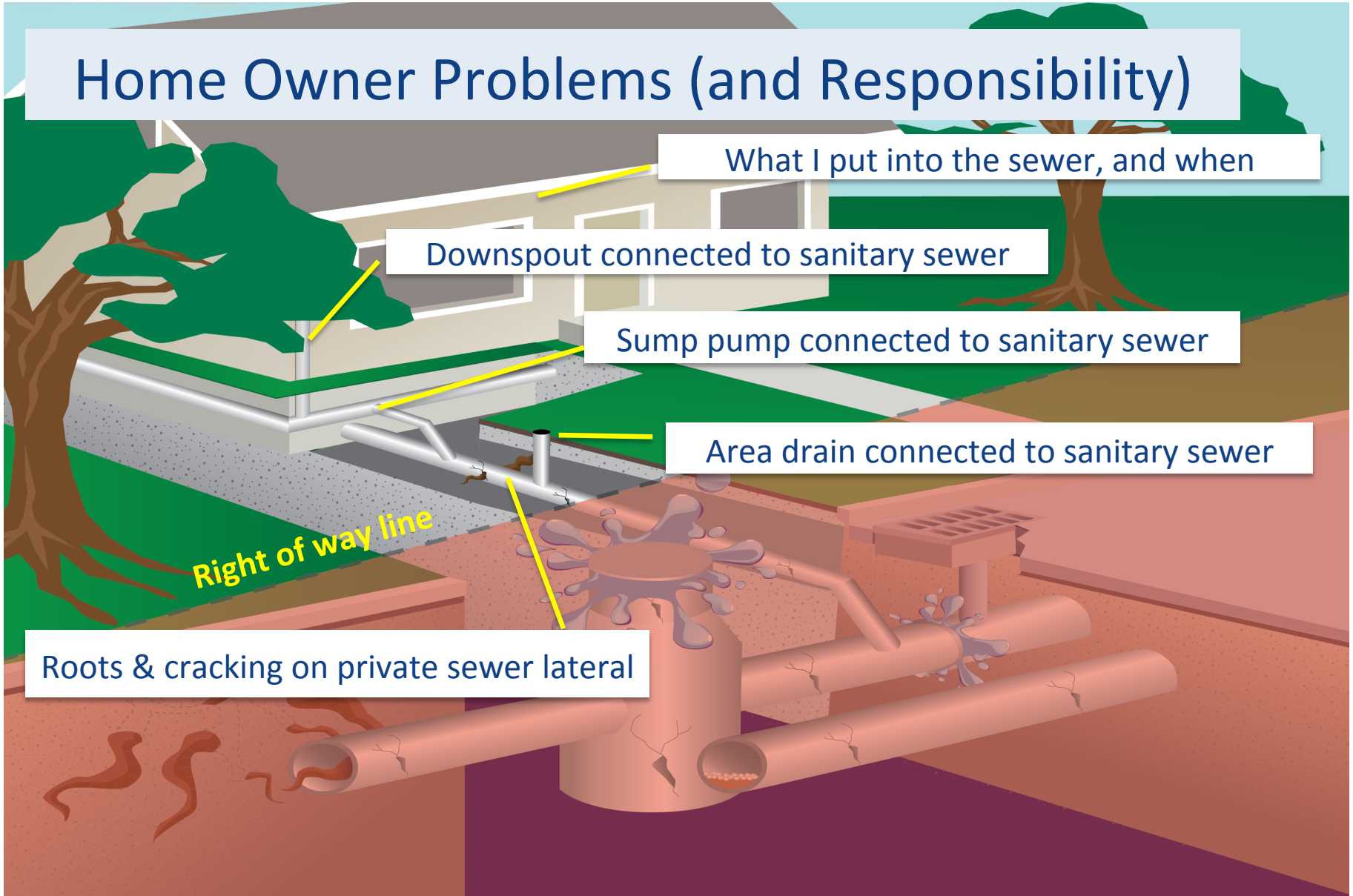
Downspout connected to sanitary sewer

Sump pump connected to sanitary sewer

Area drain connected to sanitary sewer

Right of way line

Roots & cracking on private sewer lateral



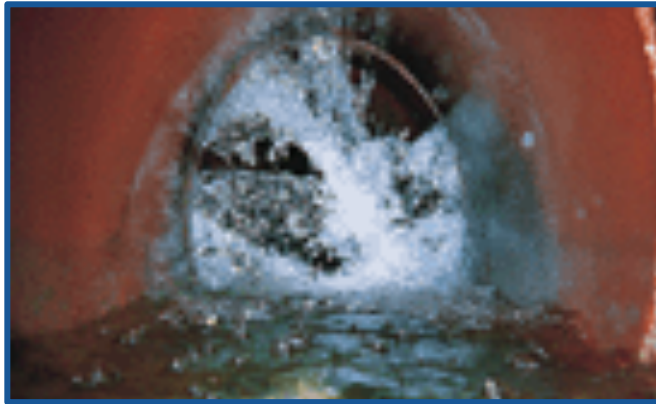




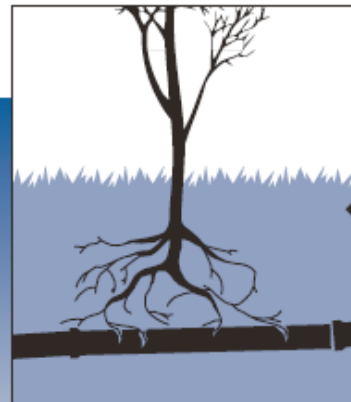
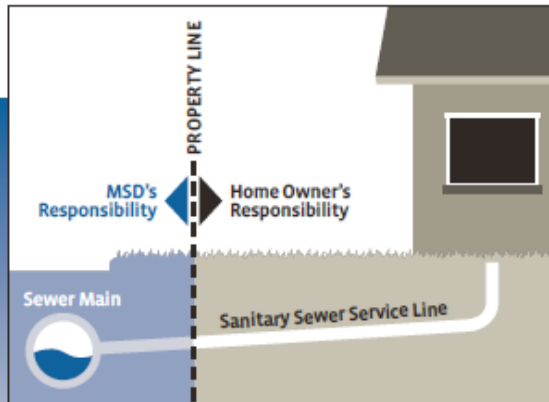


3. How to Fix the Problem

What Can I Do?

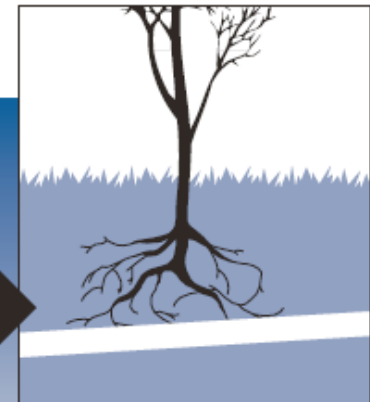


**MSD Sanitary
Sewer Line
Replacement
Program**
502-587-0603



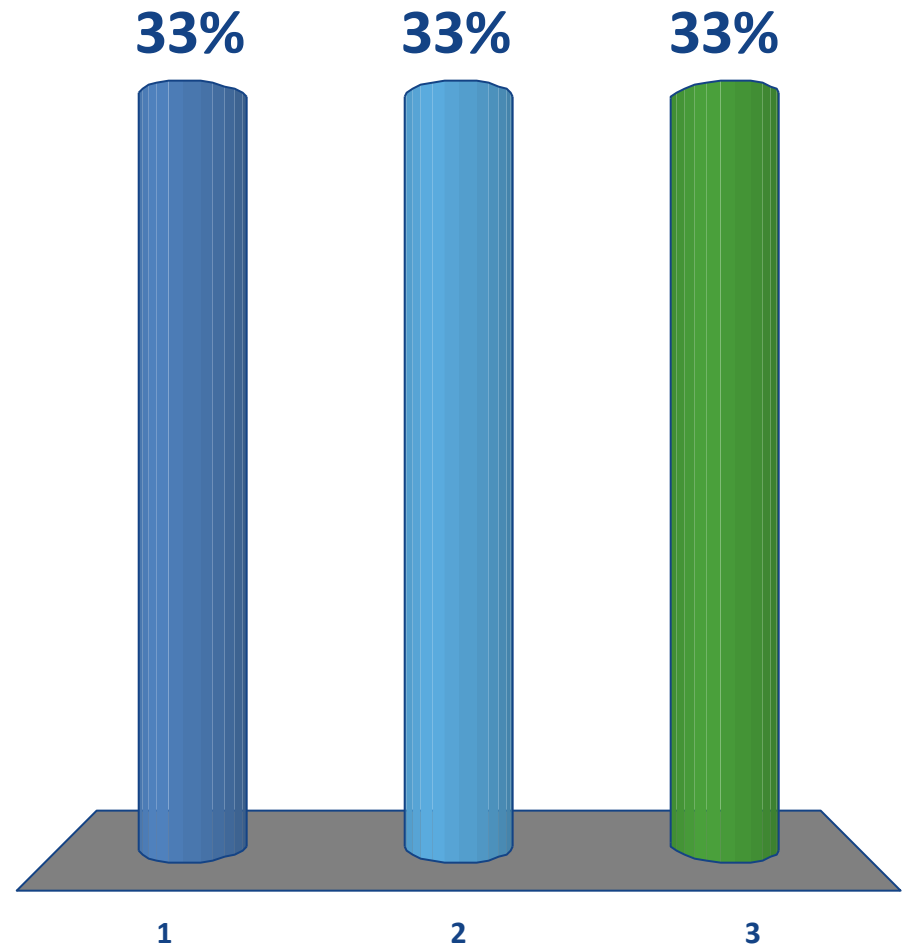
*Clay pipes can crack
and/or separate.*

*New PVC pipe is more
efficient and durable.*



What Should I Avoid Using When its Raining?

1. Sink and Toilet
2. Dishwasher and Washing Machine
3. Shower and Icemaker



What Can I Do?

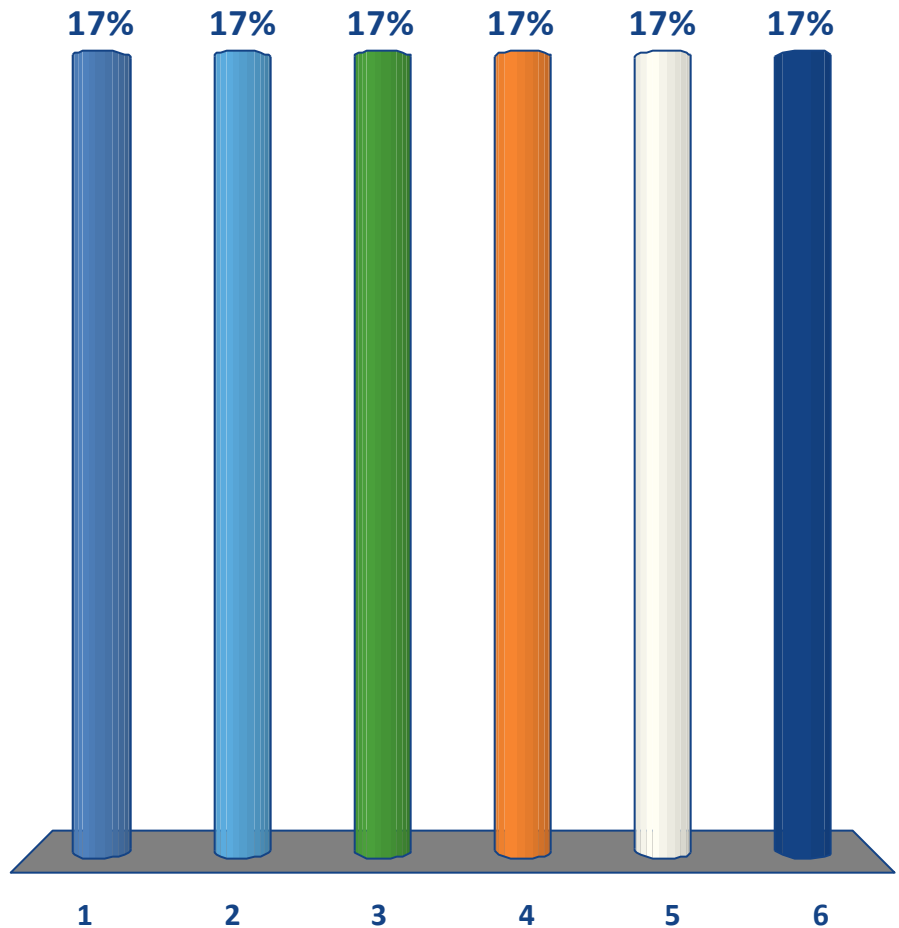
Don't use
dishwashers and
washing machines
until the rain ends.

Sewers are FULL!



I Should Avoid Flushing Wipes, Even if They Say They Are ____?

1. “Green”
2. “Flushable”
3. “Biodegradable”
4. “On Sale”
5. “Not Tested on Pets”
6. All of the above



What Can I Do?

TRASH it. Don't FLUSH it!

- Dental Floss
- Q-Tips
- Hair
- Diapers
- 'Flushable' Wipes
- Hygiene Products



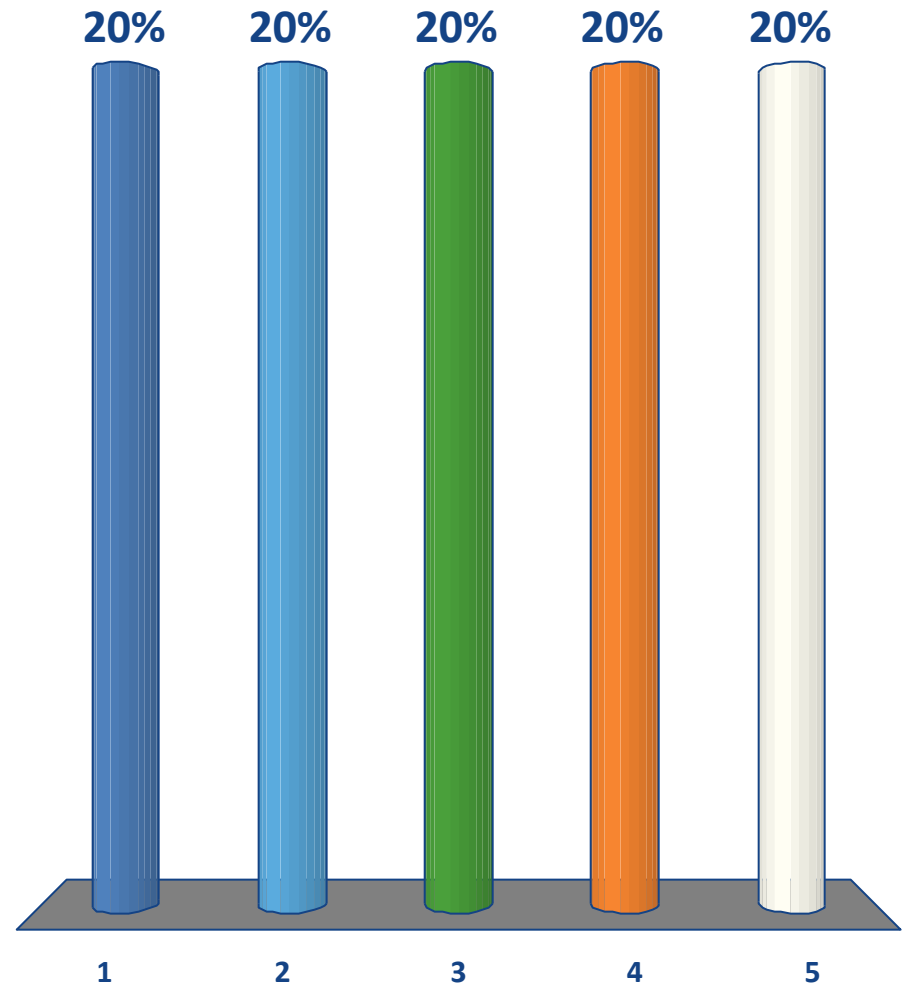
These items accumulate at pumps to cause sewer overflows and basement backups!

What Can I Do?



I Should Always Put Fats, Oils, and Greases _____?

1. On my garden
2. In the Trash
3. Down the Garbage Disposal
4. In my neighbor's garden
5. In my sink



What Can I Do?

Put fats, oils & greases in the trash.

NOT down the drain!!!!



Grease accumulates in pipes

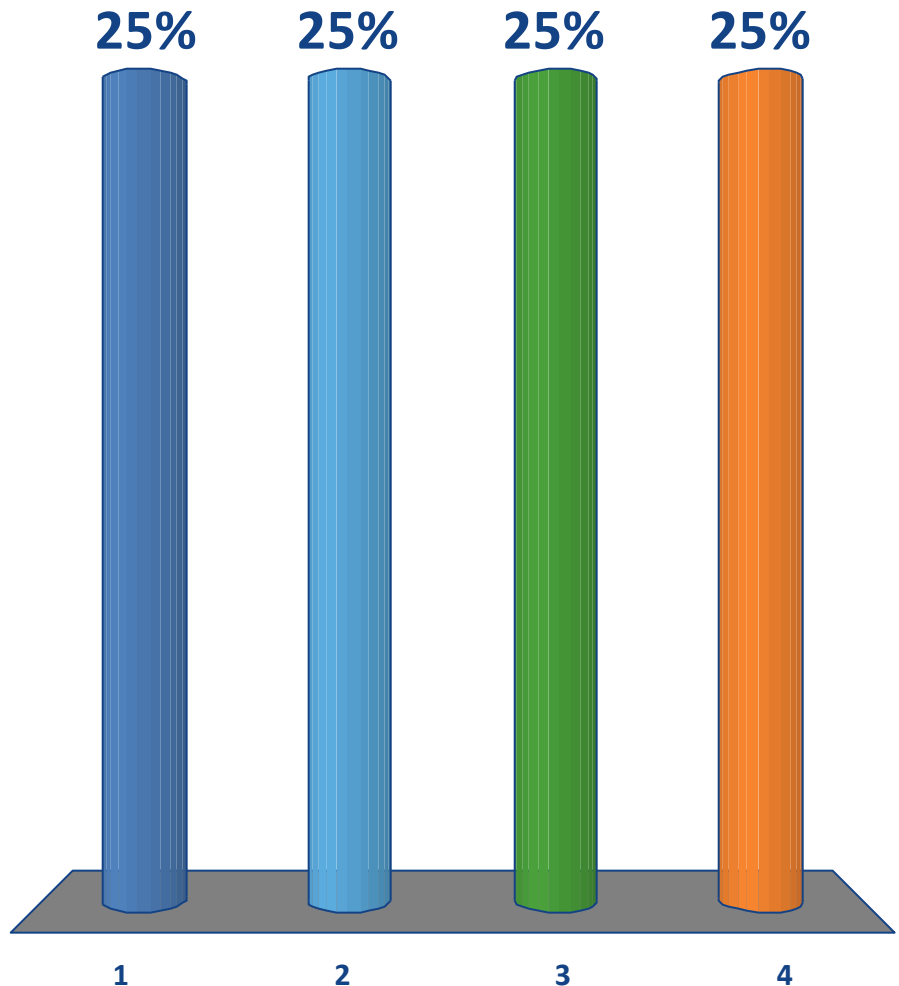


Put hot grease in metal container, let cool,
TRASH!

My Sump Pump Should Discharge

_____?

1. To a storm sewer
2. To my yard
3. To my sanitary sewer
4. Onto the sidewalk



What Can I Do?

Disconnect sump pumps from the sewer system

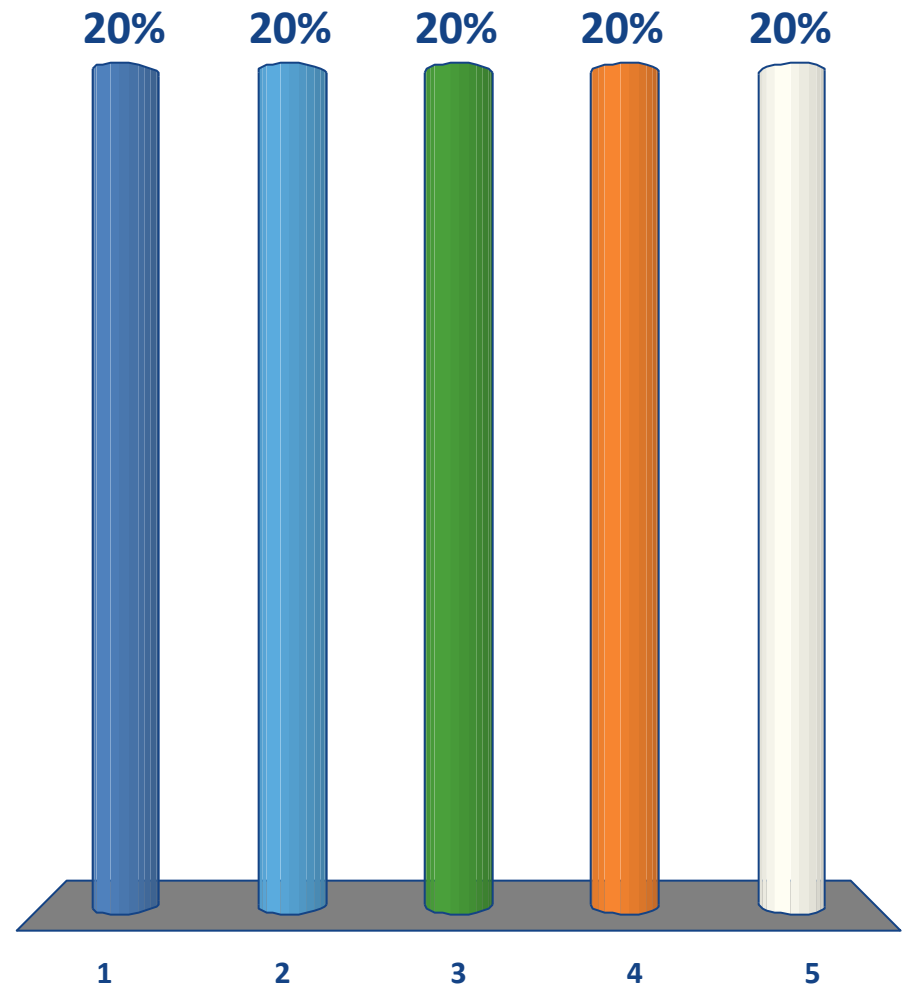
- Single biggest source of private-side clear water in the sewer system
- Should outlet to the ground

**100% Reimbursement for
this Plumbing Modification
502-587-0603**



Rainwater From My Downspout Should Not Be Routed Where?

1. Onto my garden
2. Into a rain barrel
3. Onto the lawn
4. Onto landscaping
5. Into my sanitary sewer



What Can I Do?

- Turn downspouts onto the ground
- Capture rain from downspouts to use for watering your gardens and landscaping
 - Rain barrels
 - Rain gardens

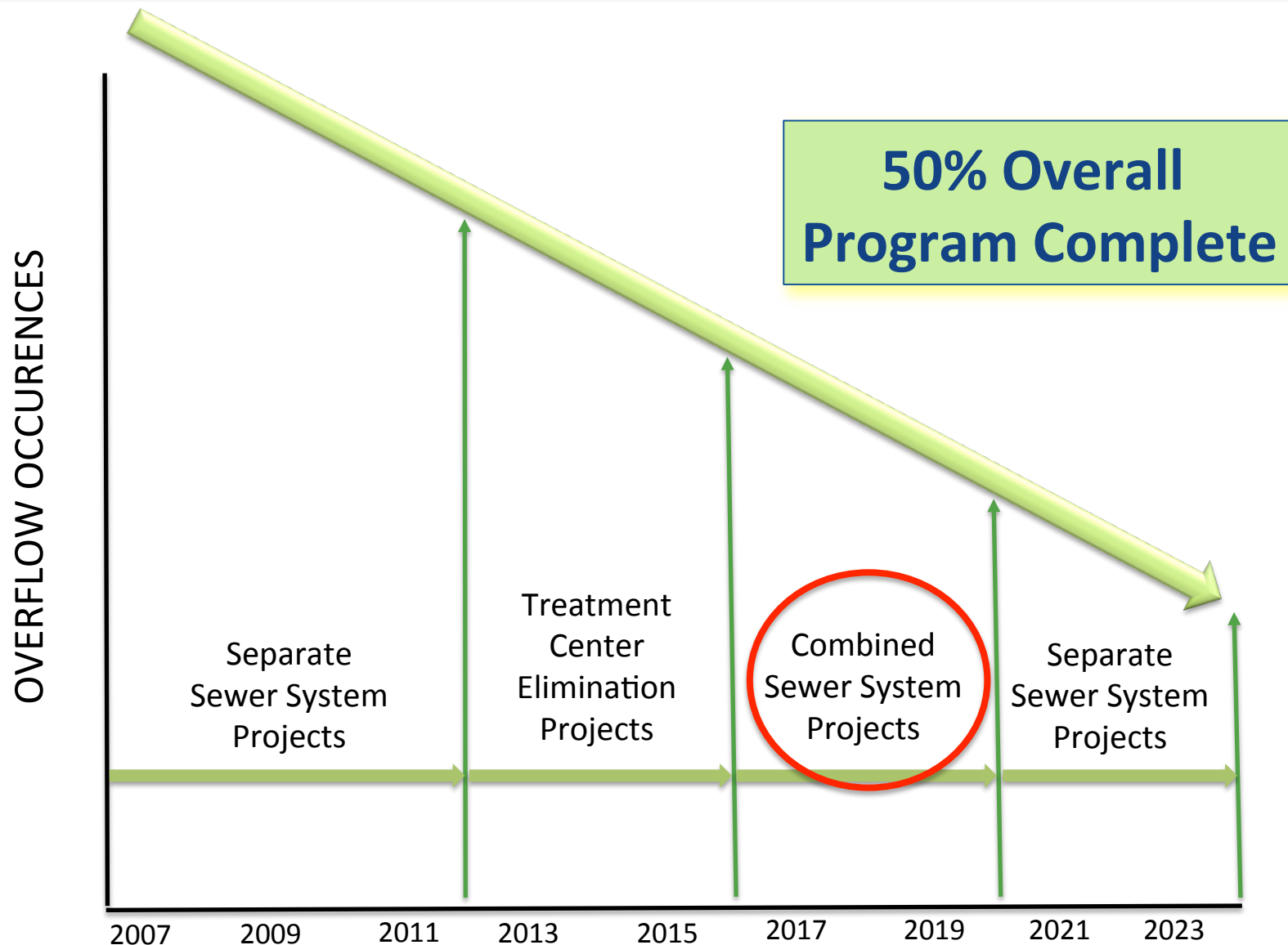
MSD will reimburse up to \$100 per disconnected downspout. Get the form in back of the room.



- Combined Sewer Overflow
- Sanitary Sewer Overflow
- Combined Sewer Overflow Area

What MSD is Doing to Reduce Overflows

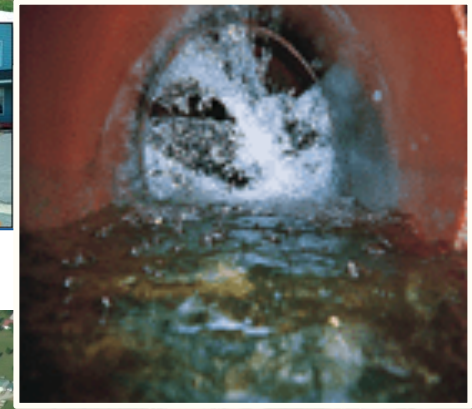
- Community-wide sewer overflows
- Community-wide solutions
- \$850 million cost to community



How Do We Control Sewer Overflows?

Source Control Projects

- Green infrastructure
- Downspout disconnections
- Sump pump disconnections
- Sewer rehabilitation



Gray Infrastructure Projects

- Pipeline projects
- Pump station expansions
- Wastewater treatment plant expansions
- Storage Basins



MSD Overflow Projects Across Louisville

IOAP Storage

- I-64 and Grinstead Dr Storage Basin
- 13th St and Rowan St Storage Basin
- Lexington Rd and Payne St Storage Basin
- Bells Ln Storage Basin
- Clifton Heights Storage Basin
- Logan St and Breckinridge St Storage Basin
- Portland Wharf Storage Basin
- Southwestern Pkwy Storage Basin
- Story Ave and Main St Storage Basin
- Nightingale PS Replacement and Storage Basin

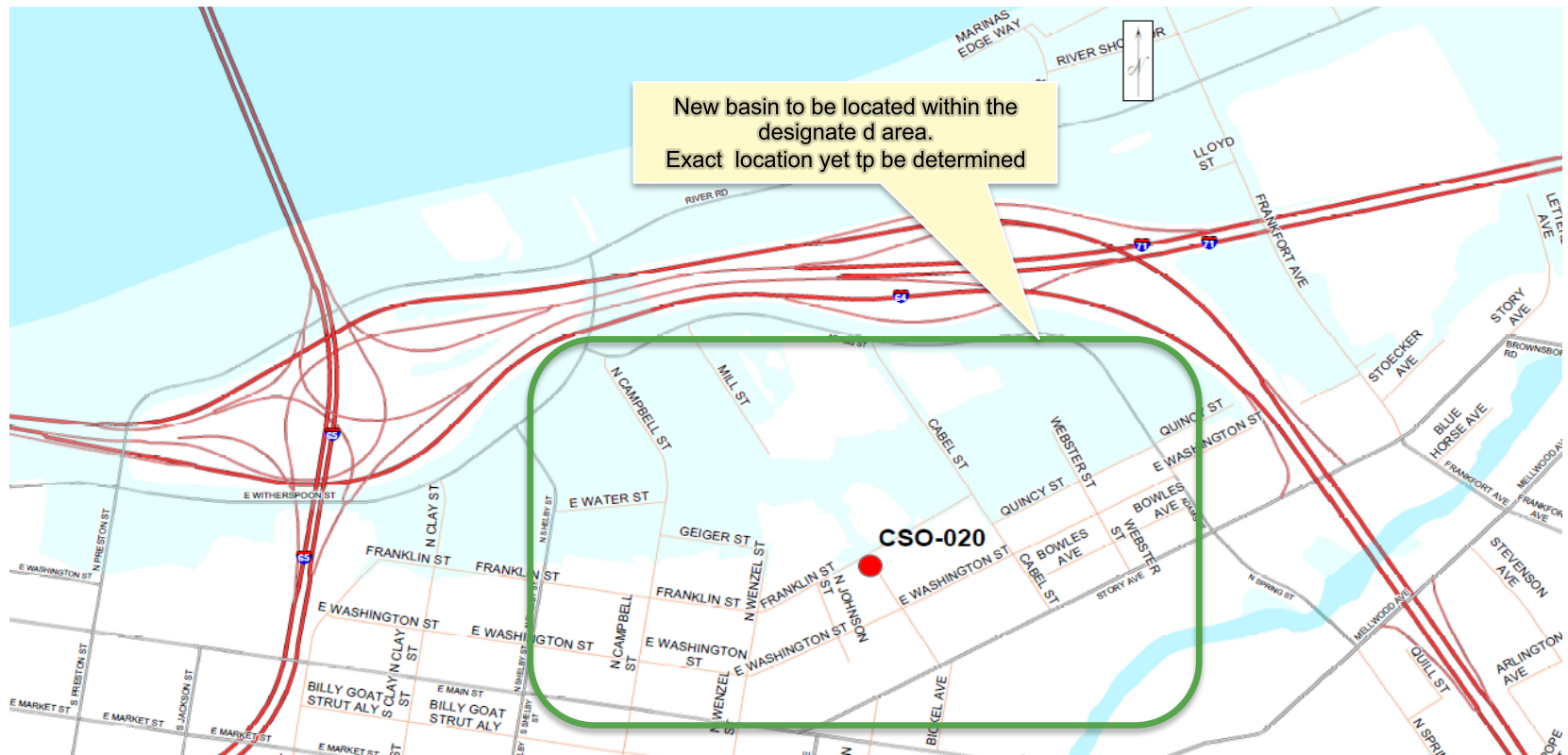
Green Infrastructure Projects

- Story Ave and Spring St Green Infrastructure
- 18th St and Northwestern Pkwy Green Infrastructure



Story and Main CSO Basin Project

- Project provides 8.3 Million gallon total storage capacity
- Covered Basin



General Schedule

Design & Permitting

Dec. 2015 – Jan. 2017

Construction

June 2017 – Dec. 2020

For more information and to give input for this project please attend our Conceptual Design meeting: Spring/Summer 2016

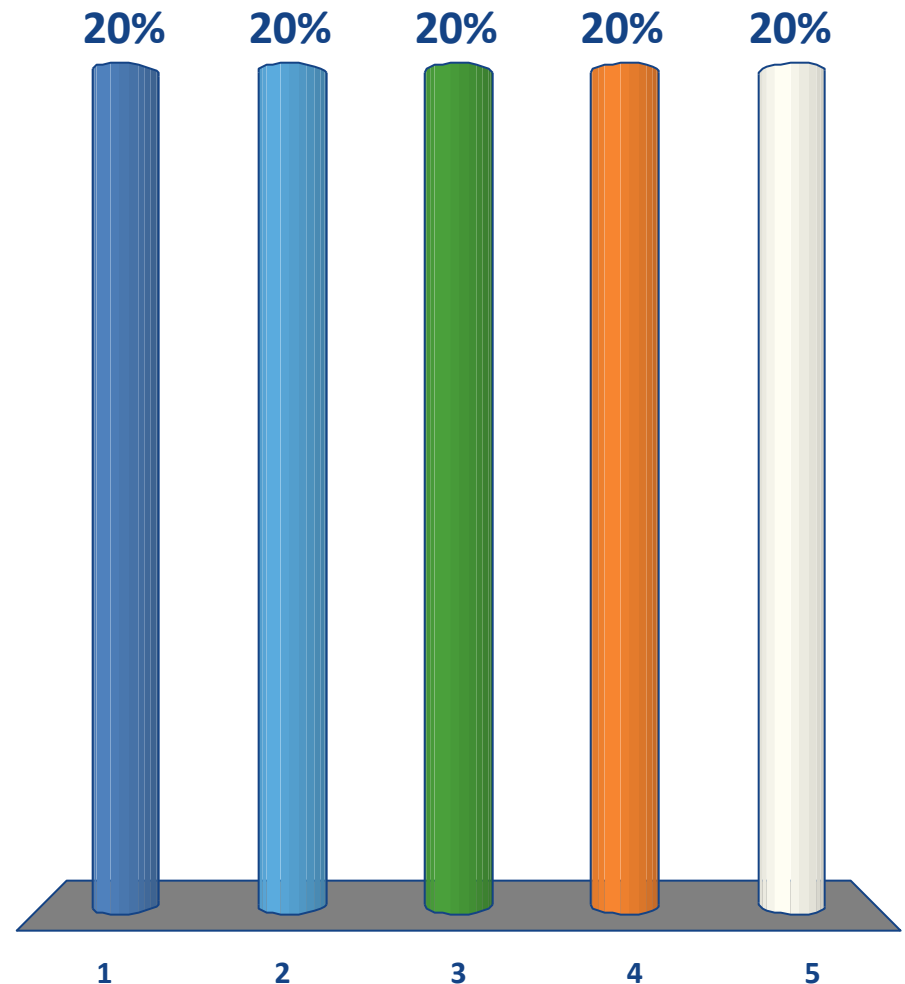
4. How we are paying for these projects



\$850 Million

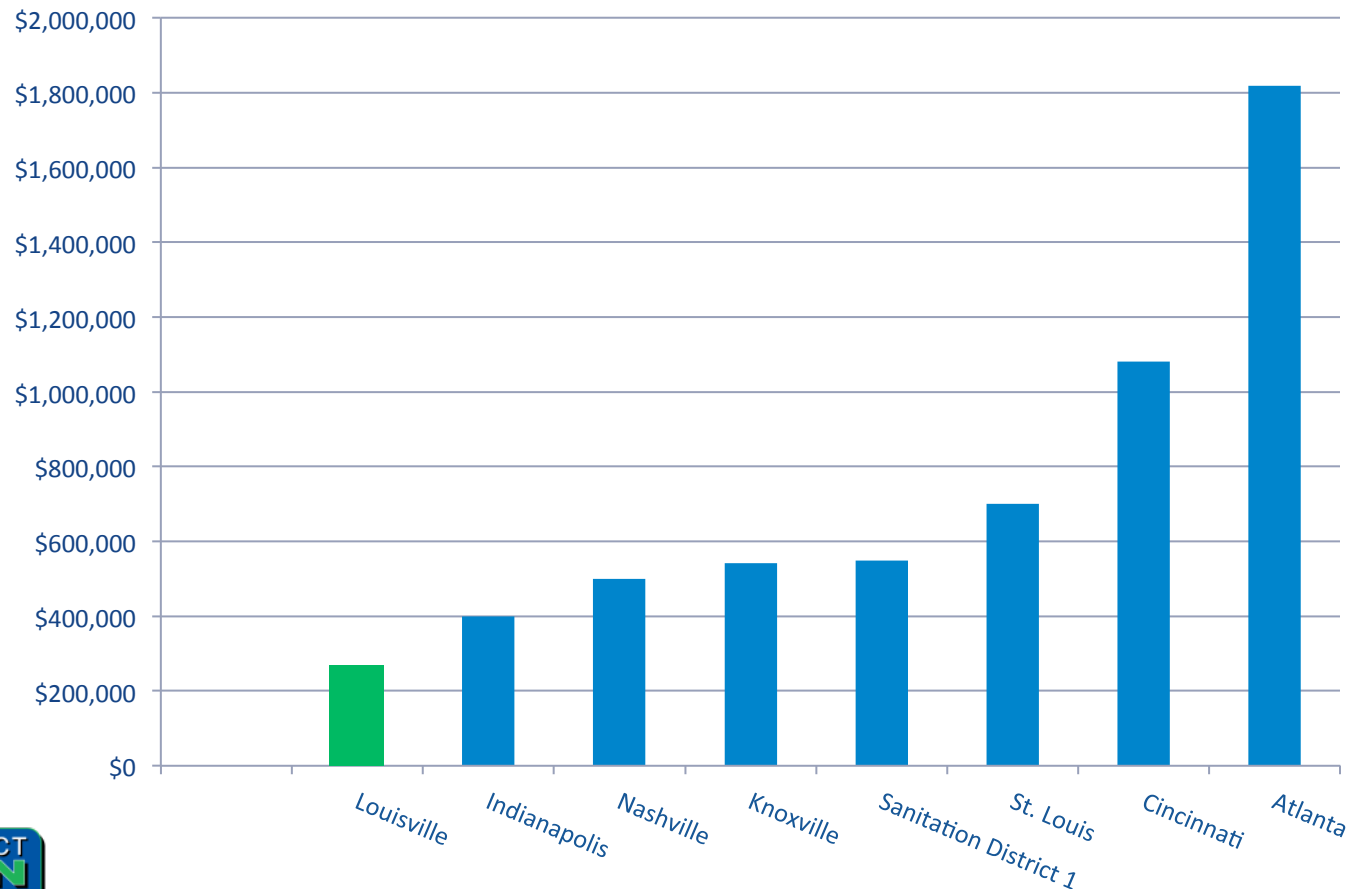
The average cost per mile to fix sewer overflow problems in Southeastern U.S. Cities varies from:

1. \$100 to \$500
2. \$500 to \$5,000
3. \$10,000 to \$100,000
4. \$200,000 to \$2,000,000
5. No one knows.



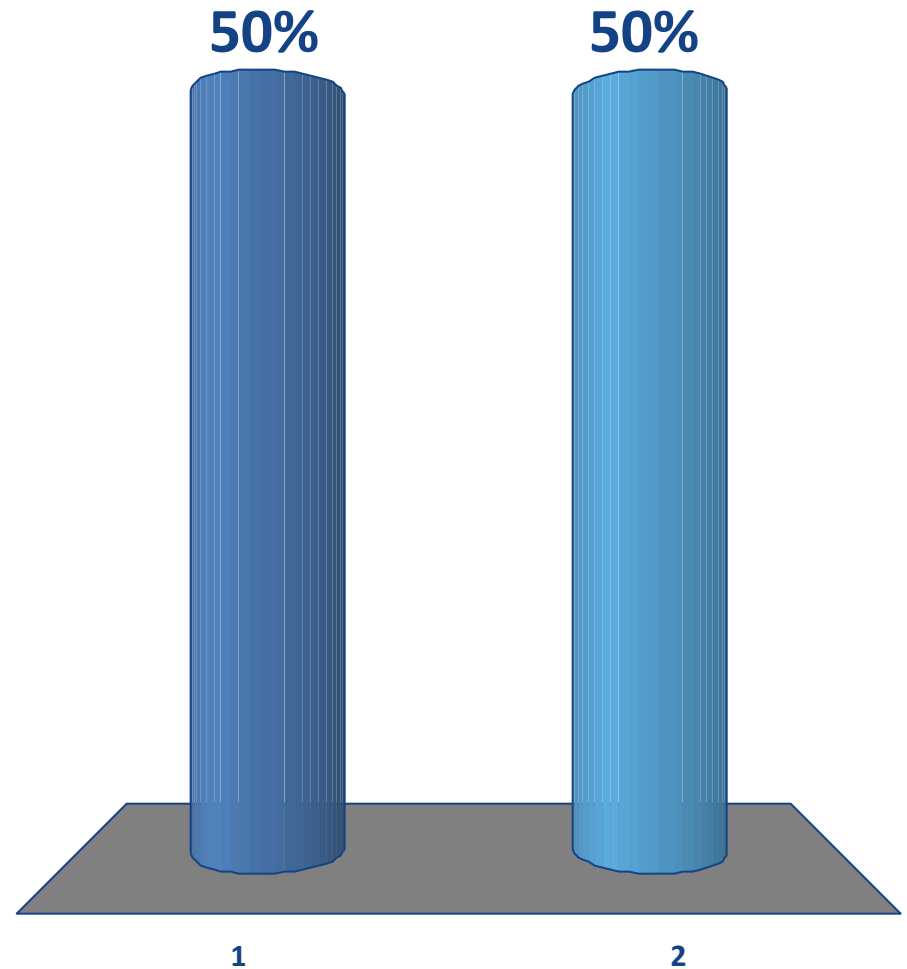
Cost of Regulatory Compliance

Consent Decree Cost Comparison per Sewer Mile



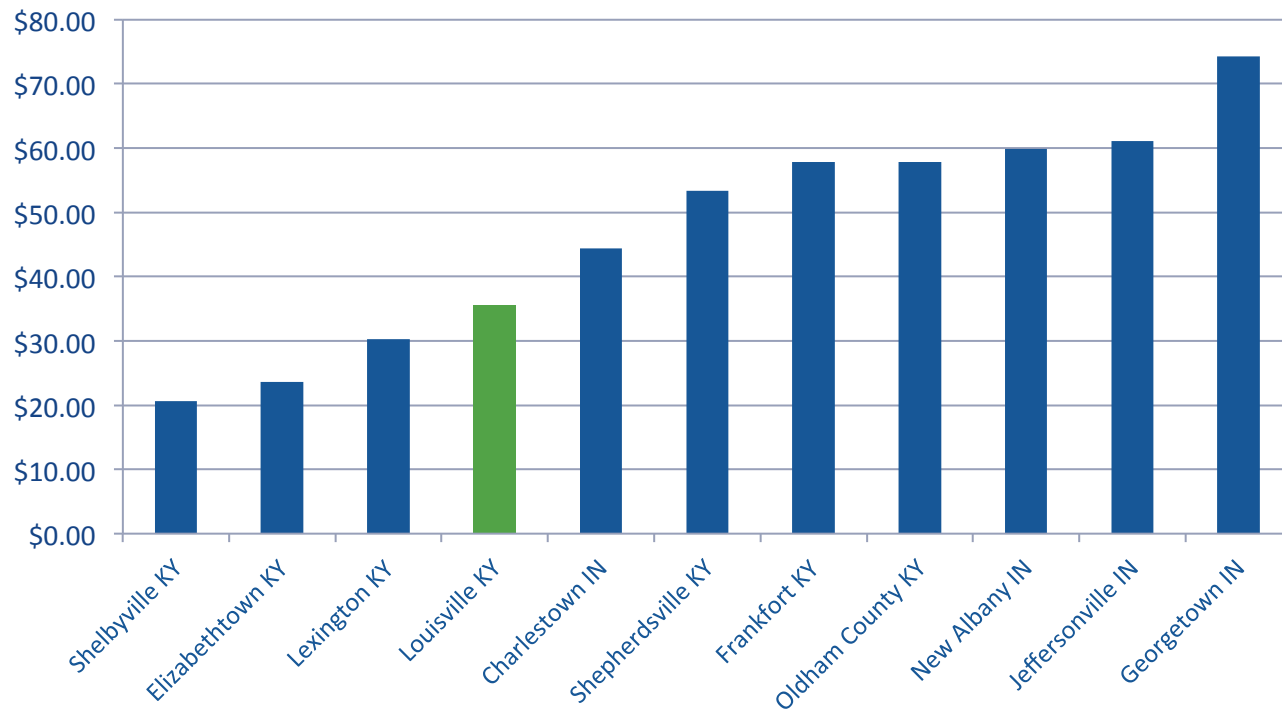
The larger the city, the higher the average monthly sewer bill will be:

1. True
2. False



MSD's Rates Compared to Surrounding Communities

Average Monthly Residential Wastewater Bill



MSD's Rates

Senior Citizen Rate Discount up to 30%

Program Requirements:

- 65 years of age or older *and*
- Have an annual household gross income of \$35,000 or less *and*
- Are connected to MSD sewers

Contact Customer Relations @
502-587-0603



MSD
Louisville and Jefferson County Metropolitan Sewer District

SENIOR CITIZEN DISCOUNT APPLICATION
(Applicant must be 65 years of age or older with household gross income of \$35,000 or less per year and must be on MSD sewers)

Date: ____/____/____

LWC Bill Account Number: _____ (Attach copy of LWC bill)

Name of Applicant: _____ Single ☐ Married ☐ Widowed ☐
(Please print)

Service Address: _____
(Street) (City) (State) (Zip)

Resident telephone number: (____) ____-____ Date of Birth: ____/____/____

Please submit a document for each of the categories below and check the appropriate box:

<u>Proof of Income</u>	<u>Proof of Residency</u>	<u>Proof of Age</u>
<input type="checkbox"/> IRS Tax Return & Schedules*	<input type="checkbox"/> Deed/Title	<input type="checkbox"/> Drivers License
<input type="checkbox"/> Social Security Form SSA	<input type="checkbox"/> Lease/Rental Agreement	<input type="checkbox"/> Birth Certificate
<input type="checkbox"/> Other _____	<input type="checkbox"/> Property Tax Bill/PVA	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Other _____	

*Tax Return and Schedules filed within the last 12 months. Household gross income must be \$35,000 or less.

I hereby apply for a 30% Senior Citizen Discount of the amount billed for sanitary sewer service and the EPA Consent Decree Surcharge for the service address listed above. I certify that I am the legal title/leaseholder/renter of the above property, that I am 65 years of age or older, that my household gross income is \$35,000 or less per year and that I have provided all relevant documents relating to my income, age and residency. I also understand that at MSD's discretion, I may be required to renew this application each year.

Executed this _____ day of _____, 20 ____

Signature of Applicant: _____

Please mail application and supporting documents to the following address:
MSD
Attn: Senior Citizen Discount Program
700 W. Liberty Street
Louisville, KY 40203

Rev. Form Date: 7/13/10



5. Next steps for the Projects and you

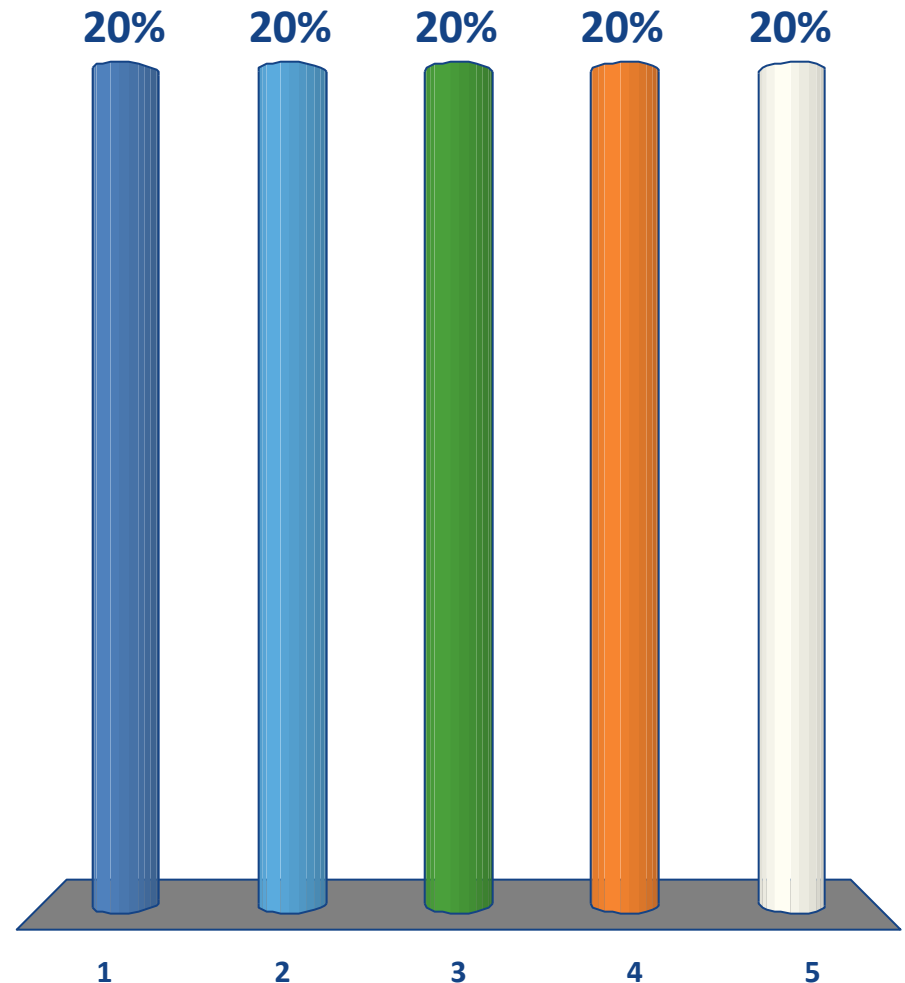


**Working Together
to protect public health**

This meeting helped me better understand what causes sewer problems.

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

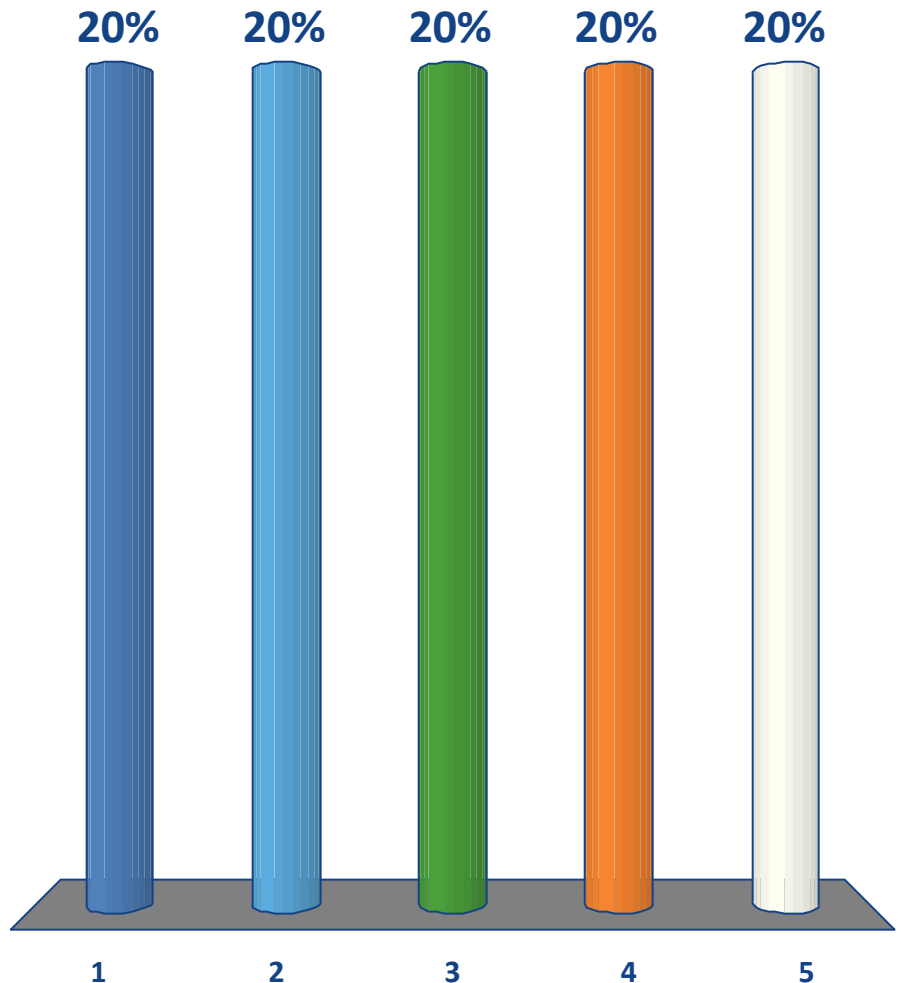
Mean =



This meeting helped me better understand how I can help reduce sewer problems.

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

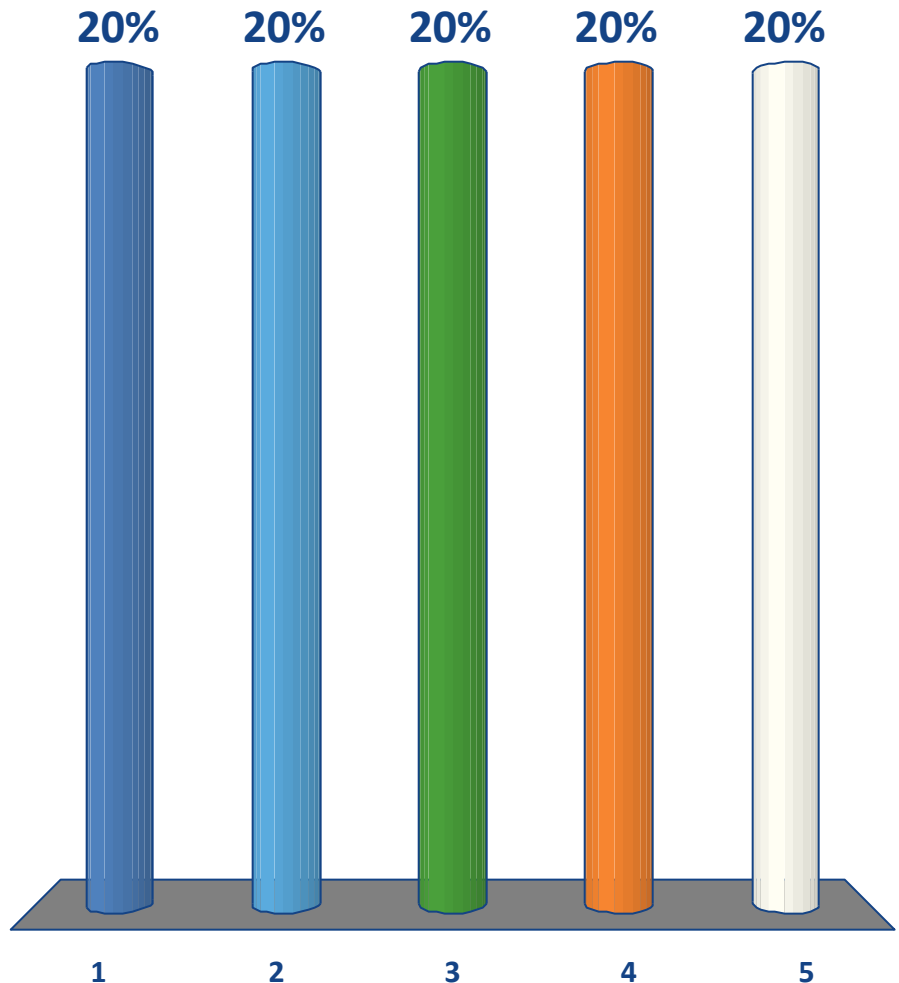
Mean =



This meeting helped me better understand what MSD is doing to resolve sewer problems.

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

Mean =



For *general information or emergencies*
regarding the MSD system, call:

502-587-0603

Your Call Will be Answered

- By an MSD Staff Member
- Around the Clock
- Every Day of the Year



Find Out More

msdprojectwin.org



Improving Our Community Waterways Together



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[How You Can Help](#)

[Projects](#)

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You are here: [Home](#)

search keywords

go

MSD In Your Area

Rainwater can enter the sewer system during rain events and cause a mixture of sewage and rainwater to flow untreated into our waterways. MSD is using storage basins and green infrastructure to control and decrease the amount of rainwater entering the system, thus reducing overflows into our waterways. Click "Read More" to find out about projects near you.

[Read More](#)



Please Tell Your Friends and Neighbors to Take the Survey Online!



THANK YOU FOR YOUR
PARTICIPATION!

502-587-0603

