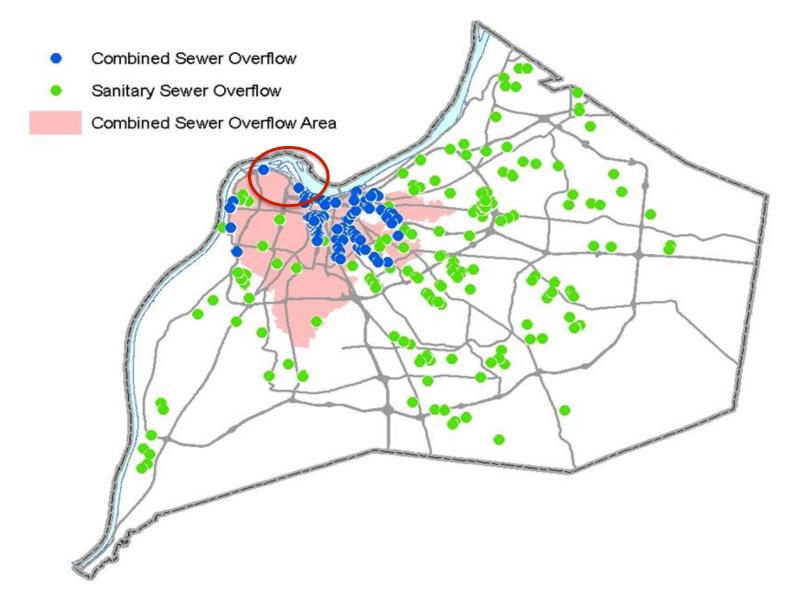


What We Will Talk About Tonight

- 1. Introduction to Portland Area Projects
 - Where they are 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. Projects Coming to Your Area
 - Green Infrastructure Project (CSO 190)
 - Portland Area Basin
- 5. How We Are Paying for These Projects?
- 6. Next Steps for the Projects and You



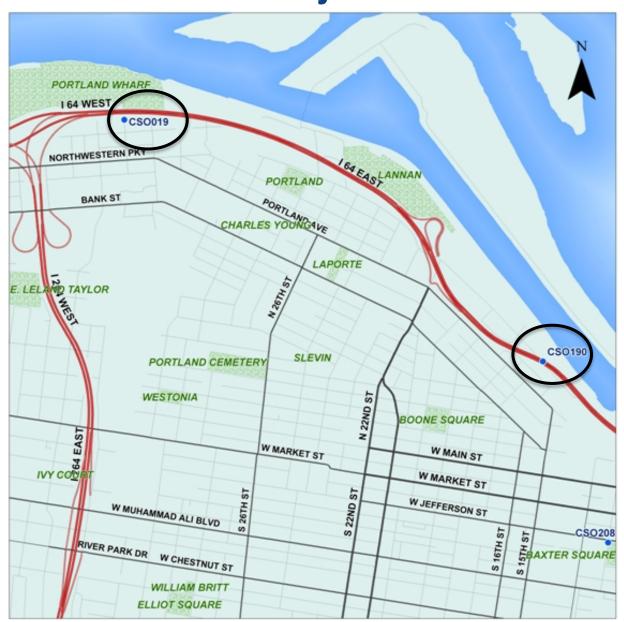


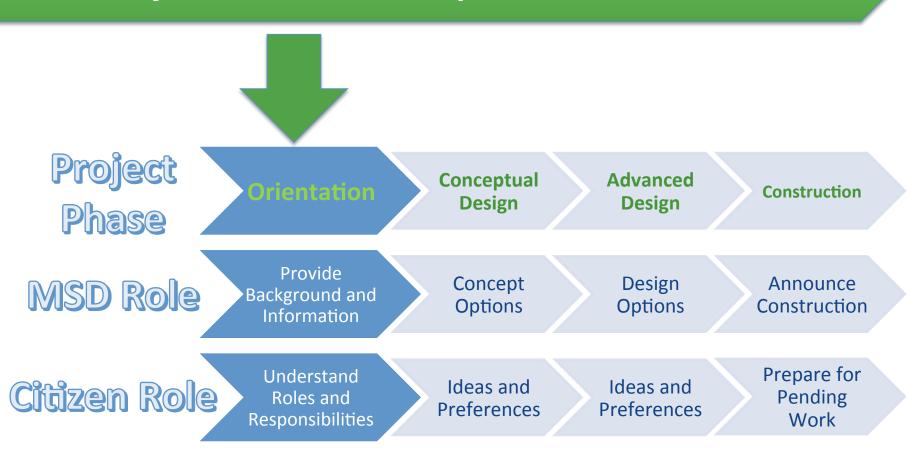


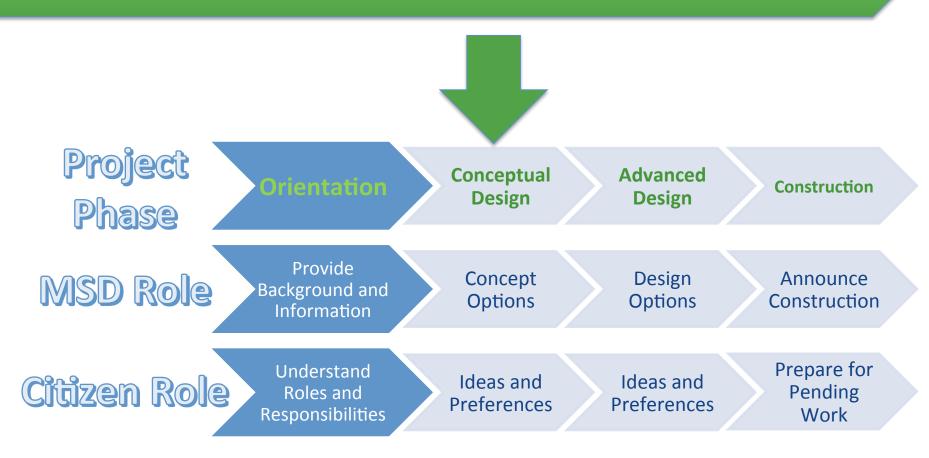


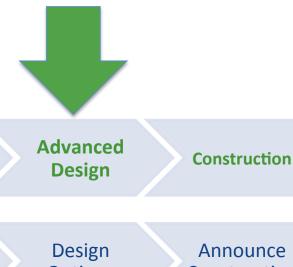


Portland Projects Area









Project Phase

Orientation

Conceptual Design

MSD Role

Provide Background and Information

Concept **Options**

Options

Construction

Citizen Role

Understand Roles and Responsibilities

Ideas and **Preferences**

Ideas and **Preferences** Prepare for Pending Work



Project Phase

Orientation

Conceptual Design

Advanced Design

Construction

MSD Role

Provide
Background and
Information

Concept Options

Design Options

Announce Construction

Citizen Role

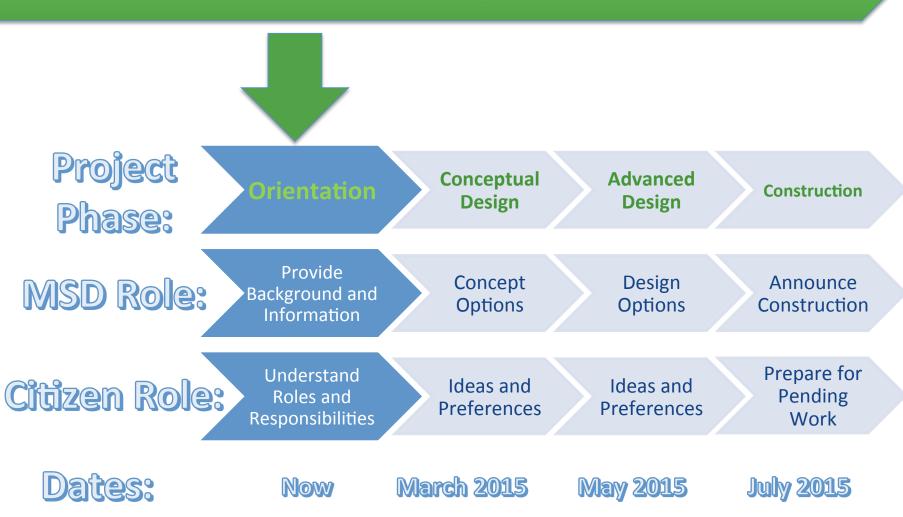
Understand Roles and Responsibilities

Ideas and Preferences

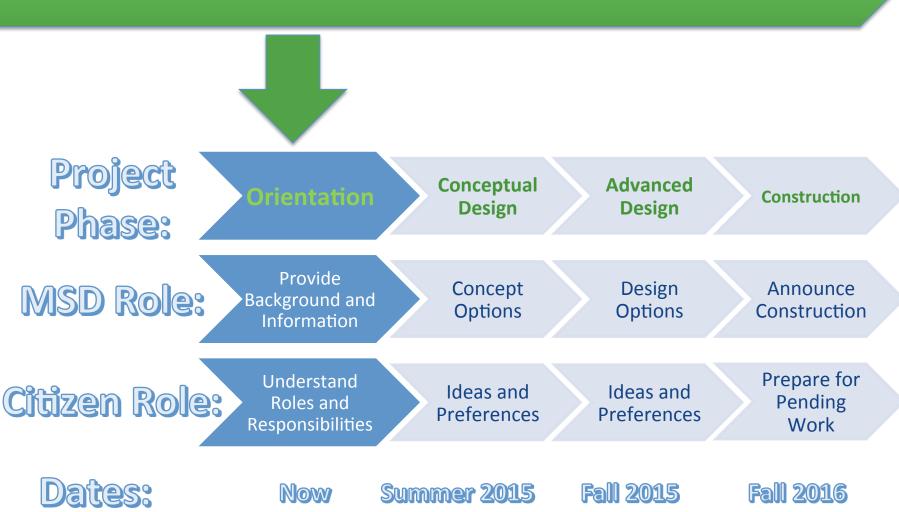
Ideas and Preferences

Prepare for Pending Work

Green Infrastructure Project Schedule



Portland Basin Schedule



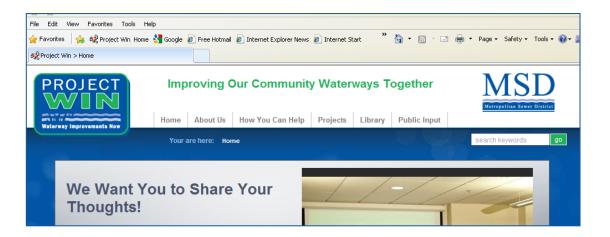
Technology Aid: RF Keypads AKA "Clickers"

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



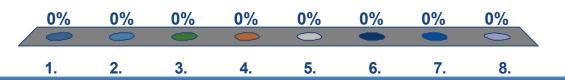
Online Input

- This same presentation will be available on the Project WIN website for those who can't participate in person.
- Tell your friends and neighbors.



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+



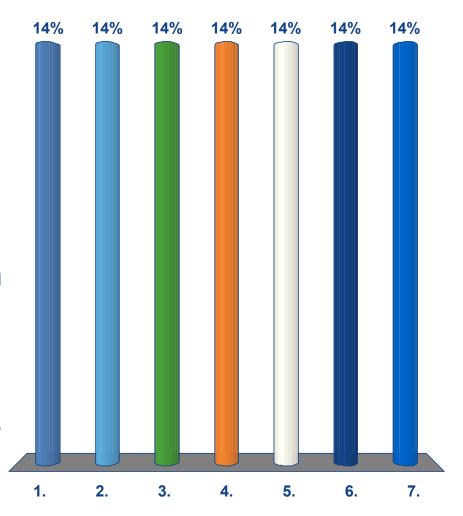
Gender?

- 1. Male
- 2. Female



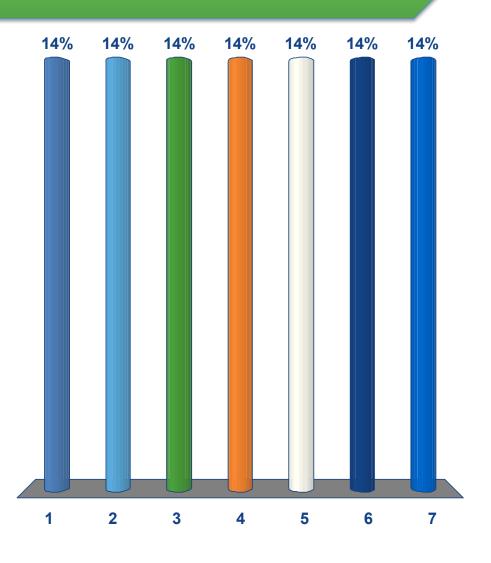
How Did You Hear About this Meeting? (Up to 3)

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



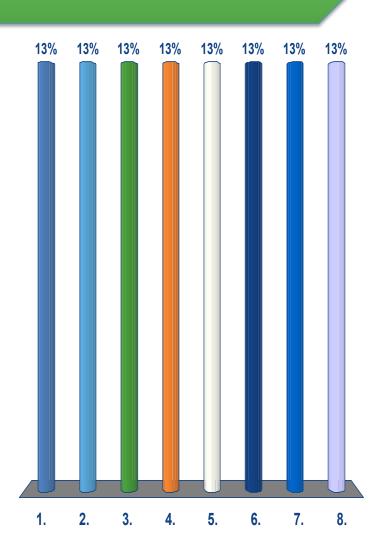
What Are Your Primary Sources of Information About MSD Projects? (Up to 3)

- 1. Public Meetings
- Metro TV Videos
- 3. Project WIN website
- Local Mainstream Print or Broadcast Media
- Alternative Press or Online Media
- 6. Word of Mouth
- 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
- Local Mainstream Print or Broadcast Media
- 5. Social Media
- 6. Email
- 7. Metro Council District Newsletter
- 8. Bill Inserts



















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

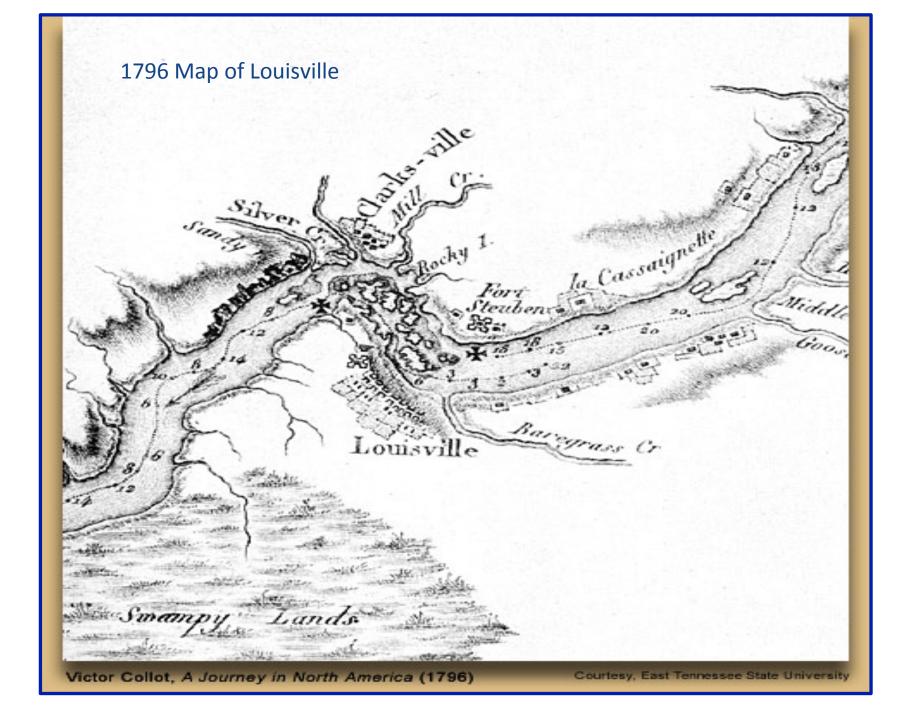


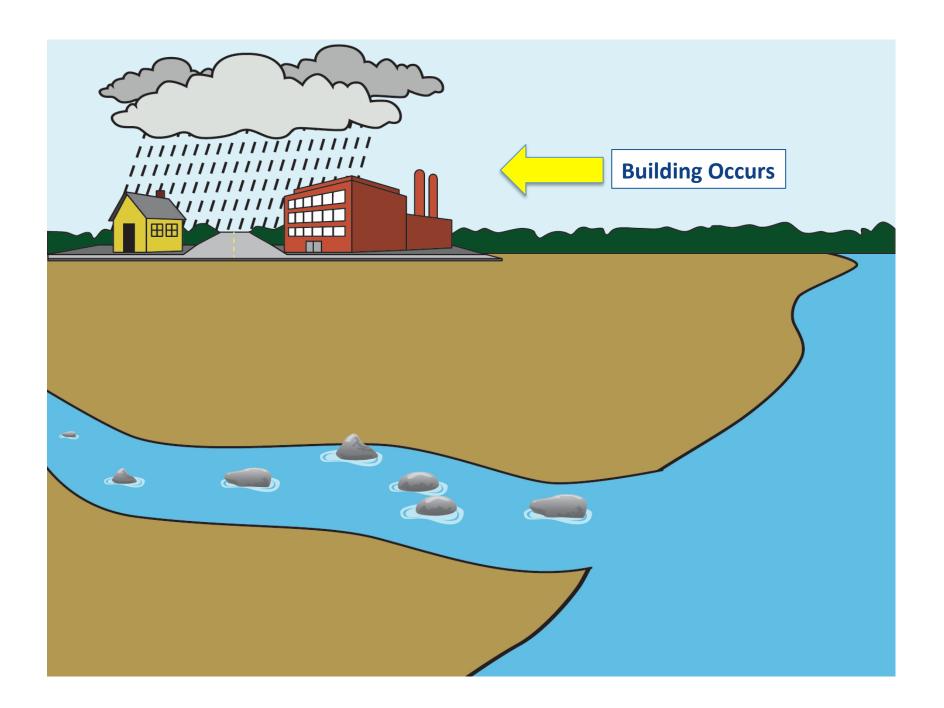




History of Louisville's Sewers and Overflows



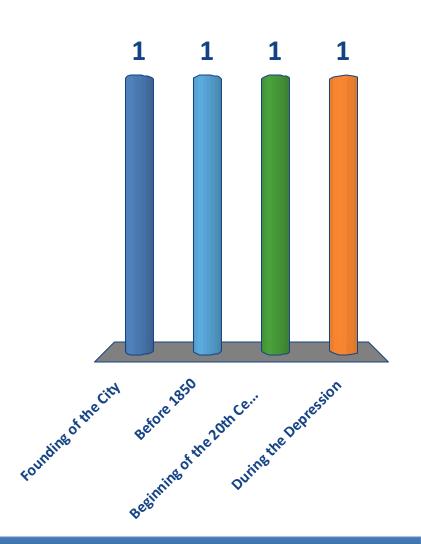


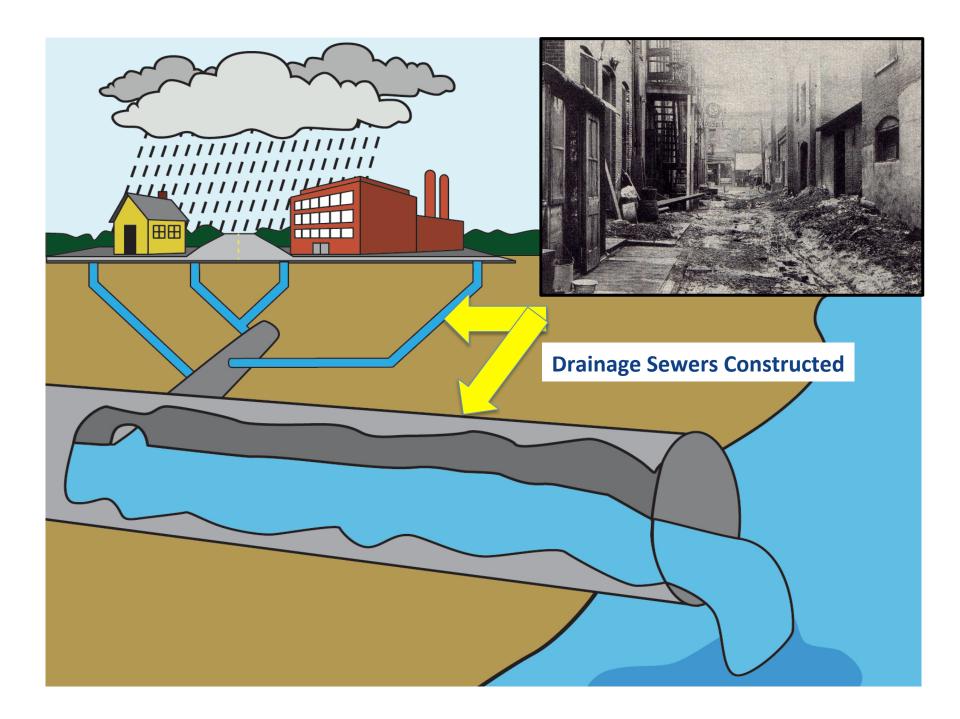




When Were the First Sewers Built in Louisville?

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





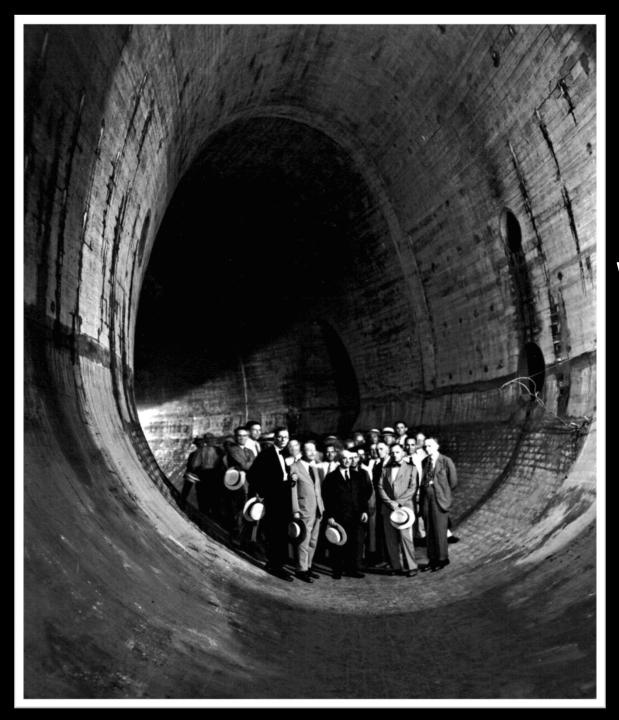


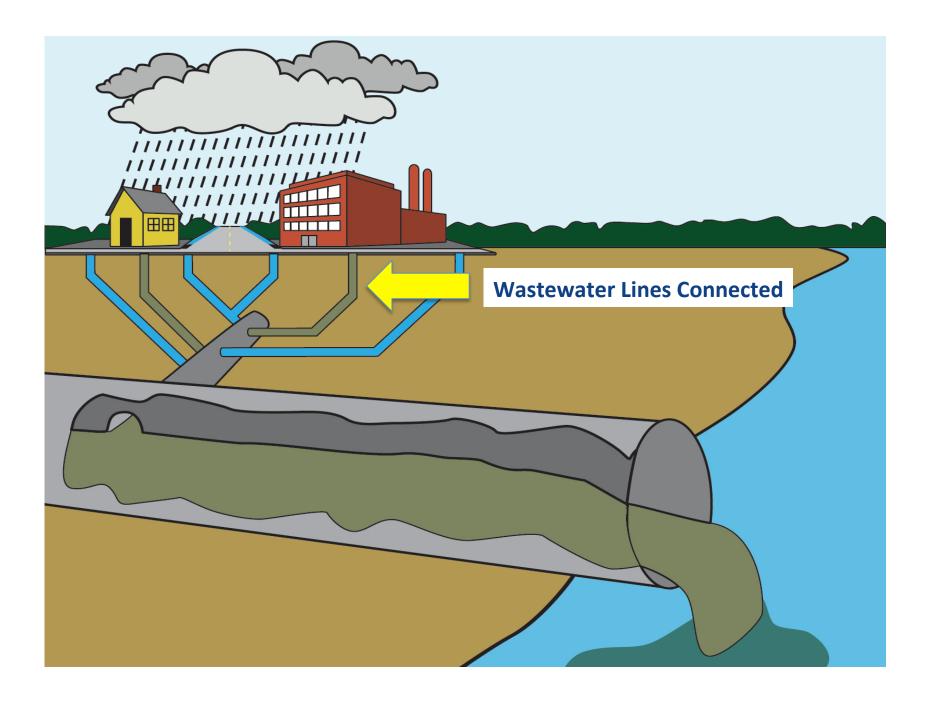
SEWER WORK LOUISVILLE

Population in 1850: 43,000

Current Population: 740,000

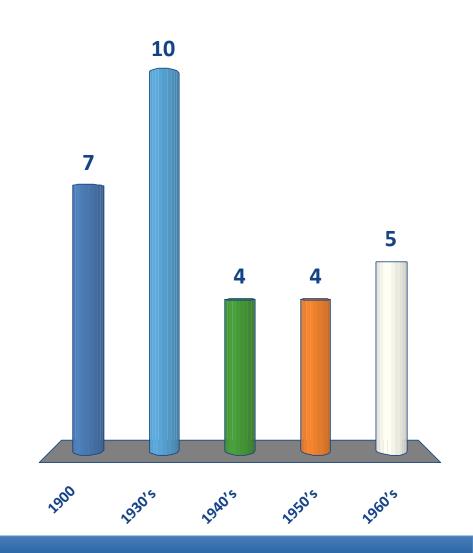
NOULTSHOHEZ OUTFALL

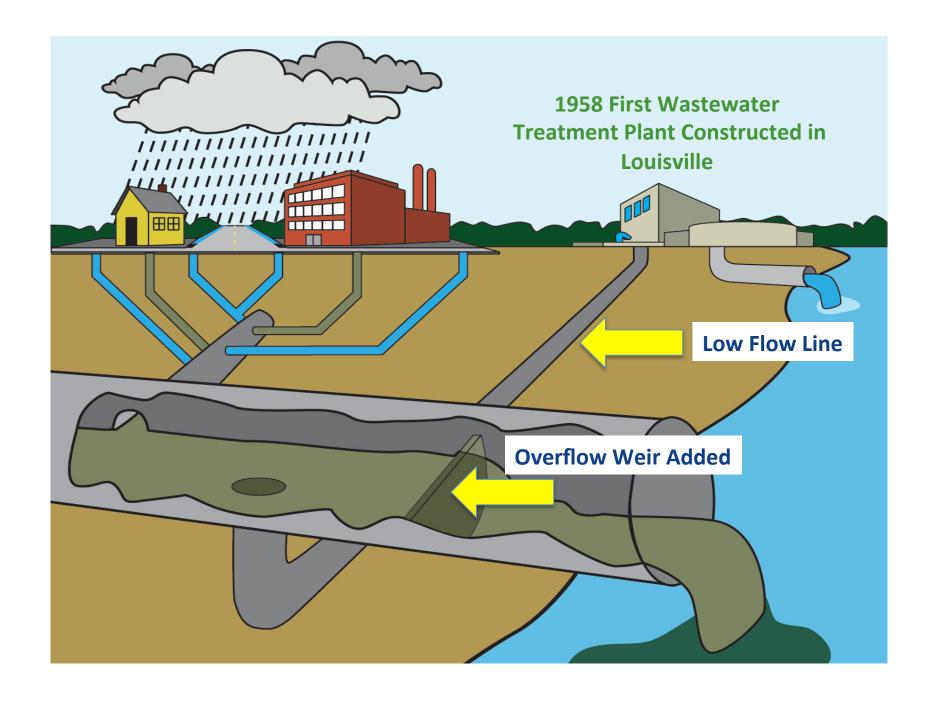




In Which Decade Did Louisville Begin to Treat Sewage?

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

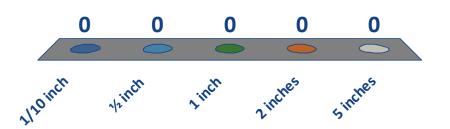




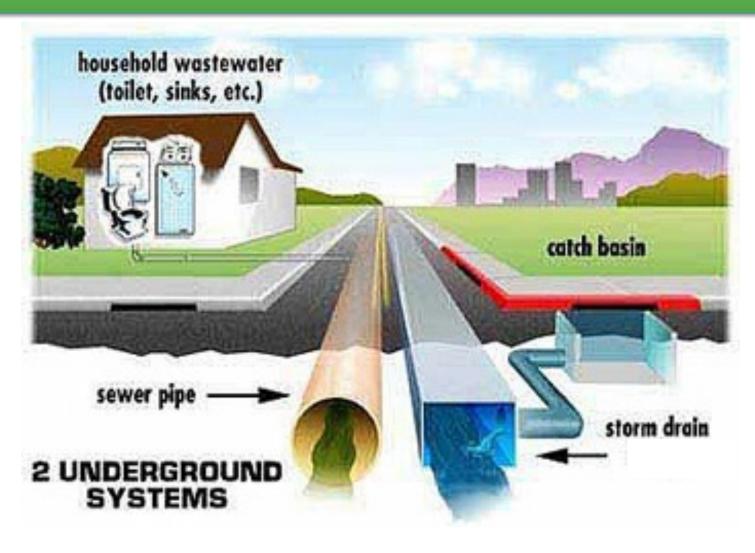


As Little as ___ of Rainfall Can Cause an Overflow?

- 1. 1/10 inch
- 2. ½ inch
- 3. 1 inch
- 4. 2 inches
- 5. 5 inches



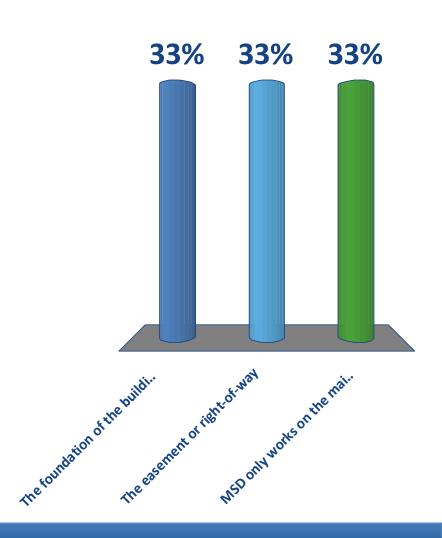
Sewers Built Separately after 1955

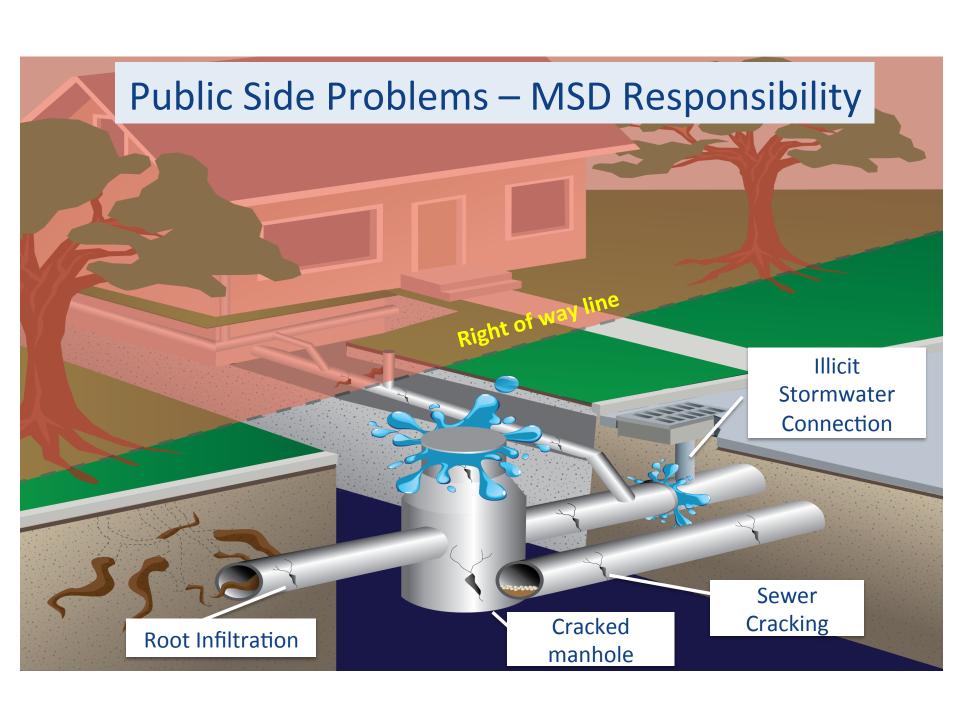


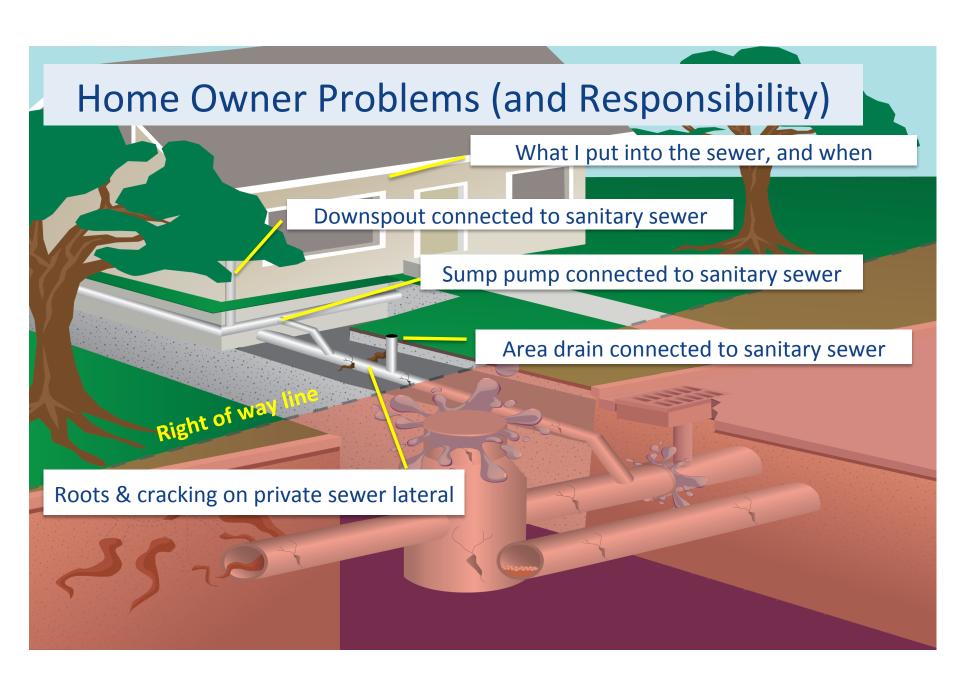


MSD is Responsible for the Sewer System up to ____.

- 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.



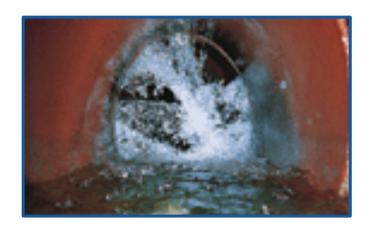






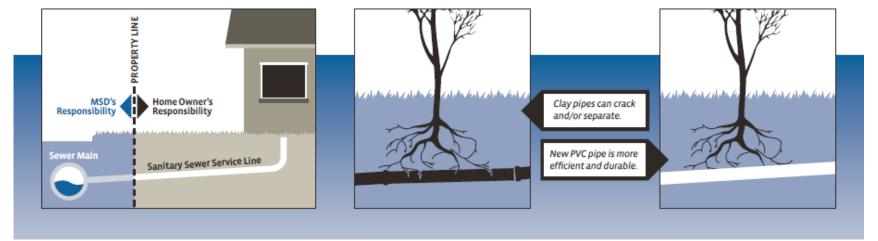






MSD Sanitary Sewer Line Replacement Program 502-587-0603



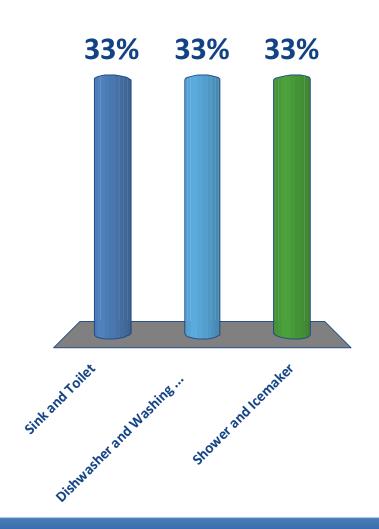






What Should I Avoid Using When its Raining?

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



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

Sewers are FULL!

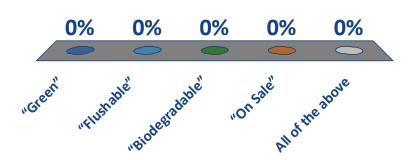






I Should Avoid Flushing Wipes, Even if They Say They Are ____?

- 1. "Green"
- 2. "Flushable"
- 3. "Biodegradable"
- 4. "On Sale"
- 5. All of the above





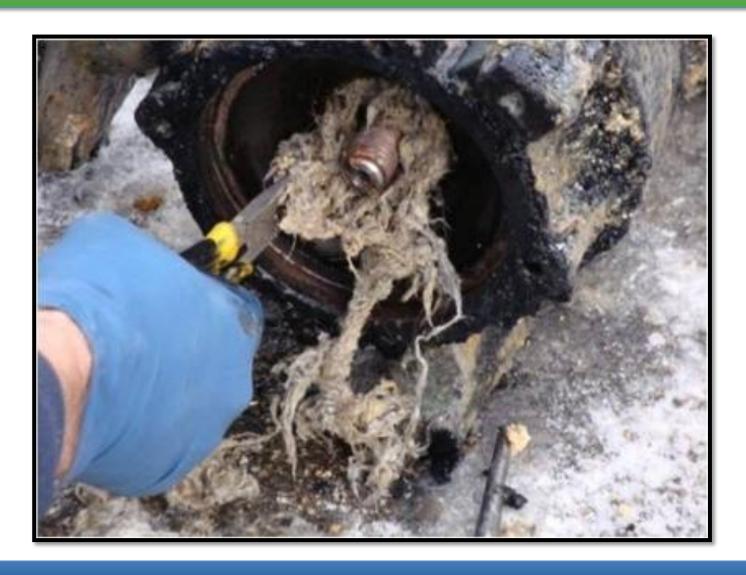
TRASH it. Don't FLUSH it!

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



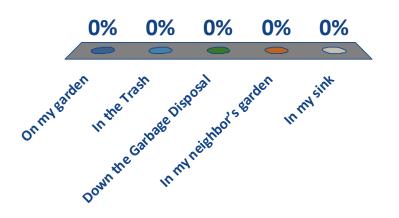
These items accumulate at pumps to cause sewer overflows and basement backups!





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



Put fats, oils & greases in the trash

NOT down the drain!!!!



Grease accumulates in pipes



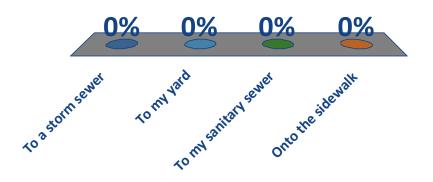
Put hot grease in metal container, let cool, TRASH!





My Sump Pump Should Discharge ?

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



Disconnect sump pumps from the sewer system

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

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

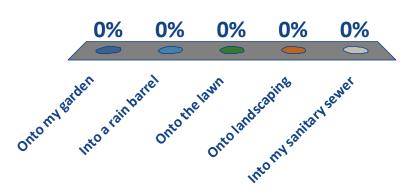






Rainwater From My Downspout Should **Not** Be Routed Where?

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

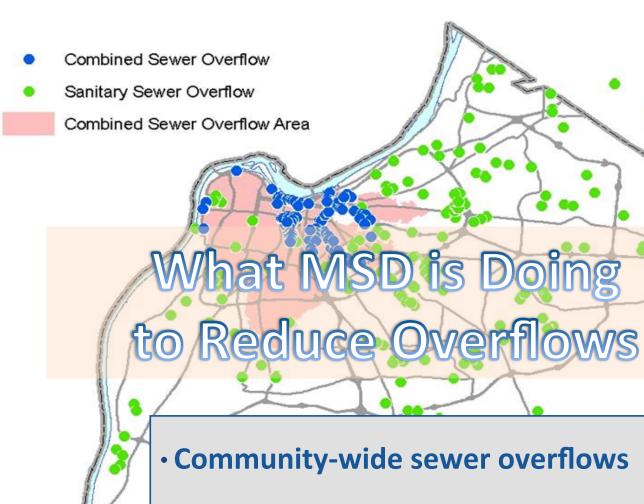


- Turn downspouts onto the ground
- Capture rain from down spouts to use for watering your gardens and landscaping
 - Rain barrels
 - Rain gardens

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



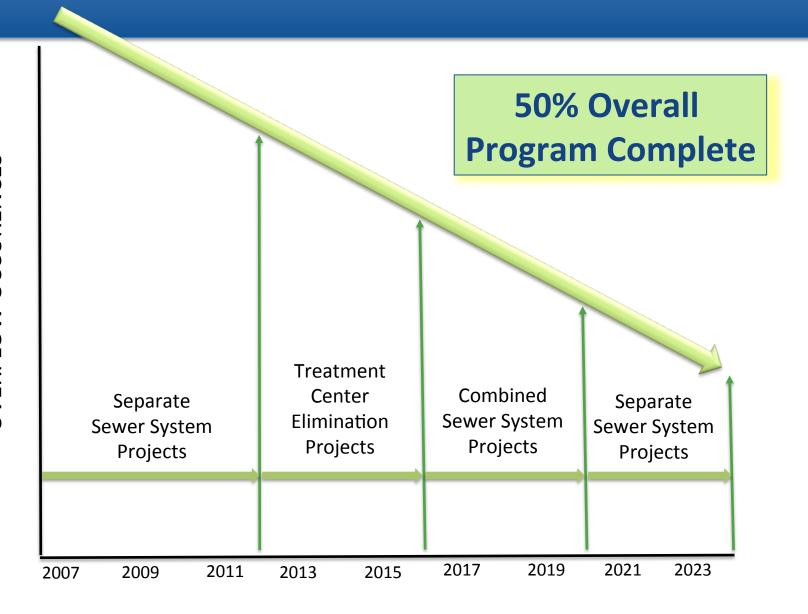




- Community-wide solutions
- \$850 million cost to community







How Do We Control Sewer Overflows?

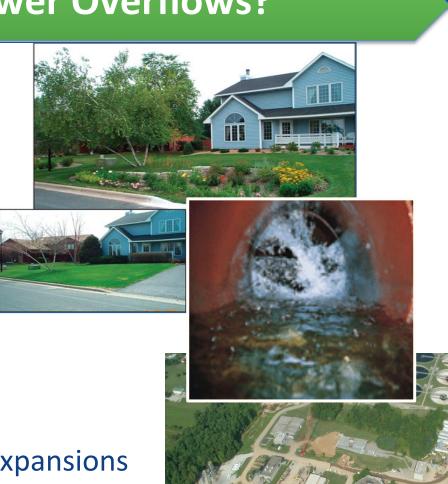
Source Control Projects

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

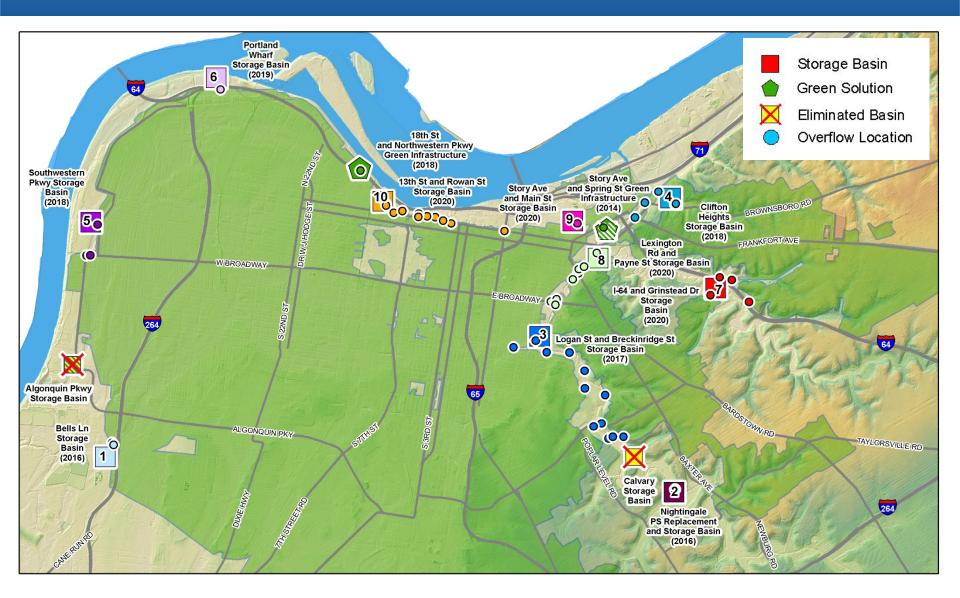
Gray Infrastructure Projects

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





Combined Sewer Overflow Control Basin Locations



Portland Area Projects

Green Infrastructure Project Area (cso190)

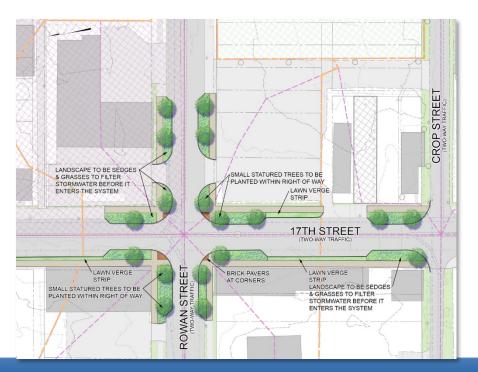
- 142 Acres
- 96 Acres Impervious
- Capture 63 Impervious Acres with Green Infrastructure
- 32 Million Gallons of Overflow Reduction in a typical year
- Streetscape Improvements, Bioswales, Treewells, and Infiltration Galleries
- Construction will be completed in 3 phases starting July 2015



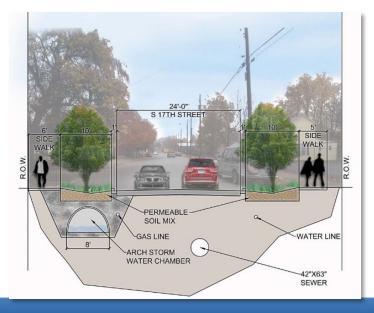
Conceptual Renderings Green Infrastructure

For more information and to give input for this project please attend the Conceptual Design Presentation.

- March 5, 2015
- 6:30 PM
- Western Middle School Auditorium.

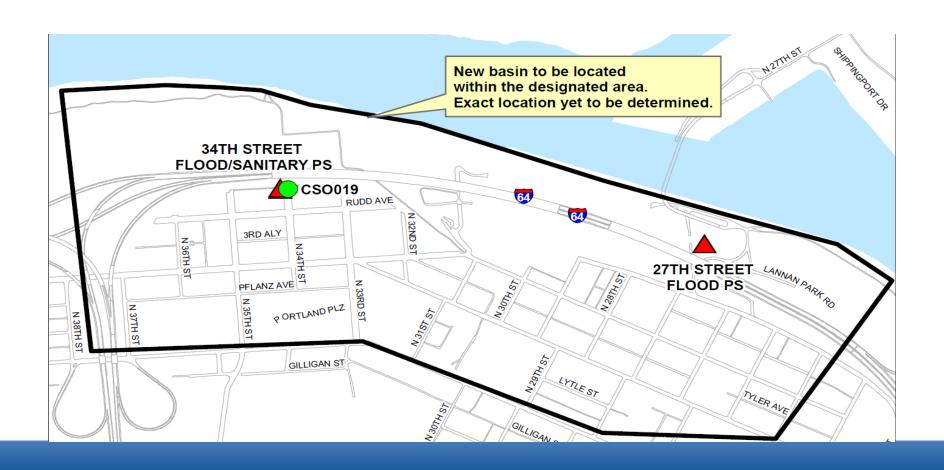






Portland Basin Project

- Covered, underground basin
- Project provides 8.5 Million gallon total storage capacity



Portland Basin Project

Design & Permitting Dec. 2014 – Jan. 2017

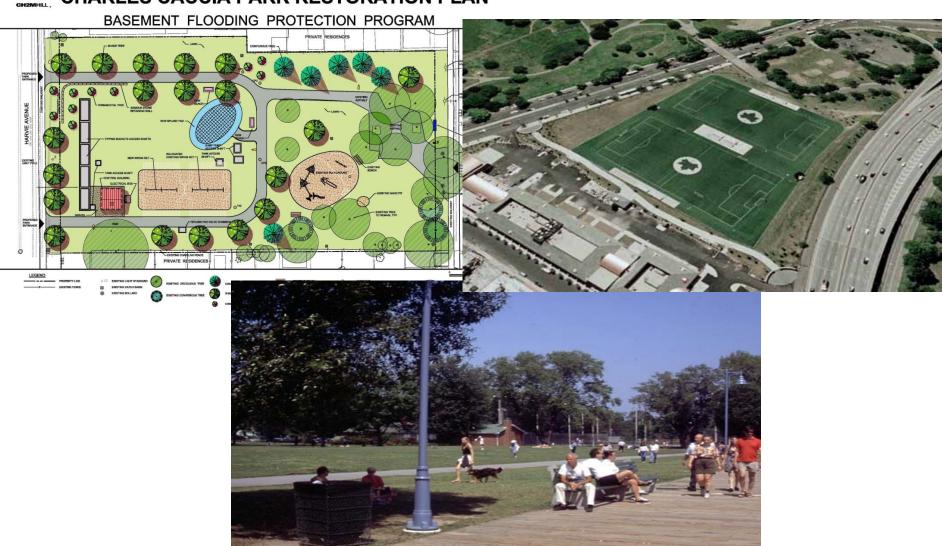
Construction Nov. 2016 – Dec. 2019

For more information and to give input for this project please attend our

Conceptual Design meeting: Late summer 2015

Surface Restoration Concepts for Basins

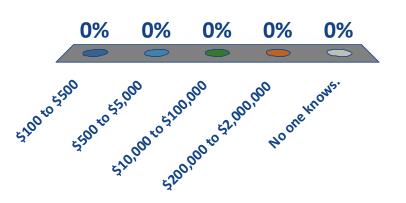
MIGRONIO CHARLES CACCIA PARK RESTORATION PLAN





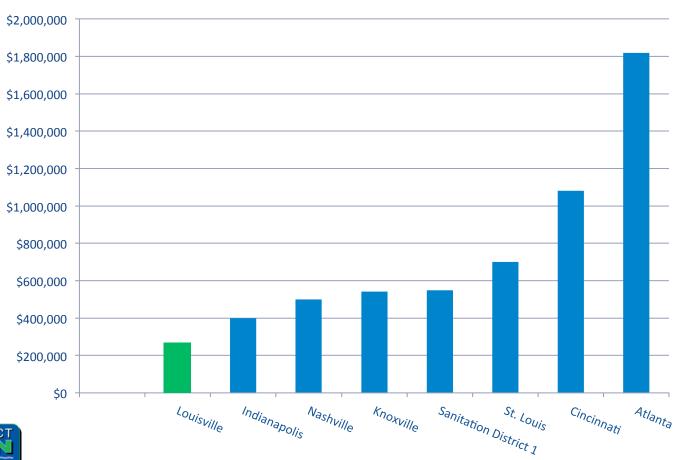
The average cost per mile to fix sewer overflow problems in Southeastern U.S. Cities varies from:

- 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

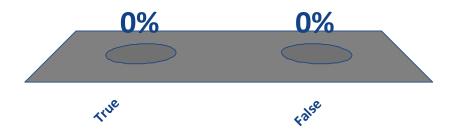






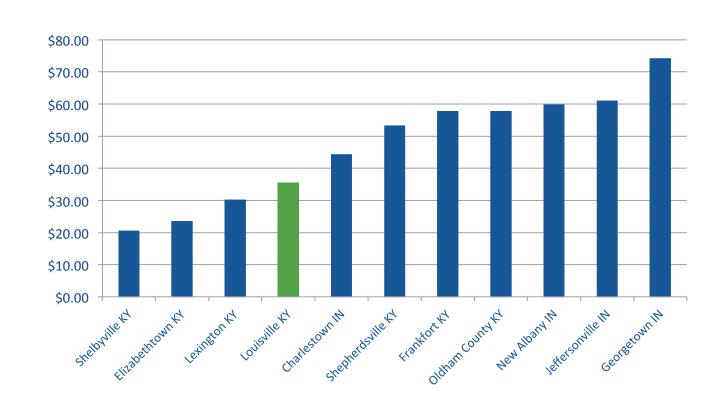
The larger the city, the higher the average monthly sewer bill will be:

- 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



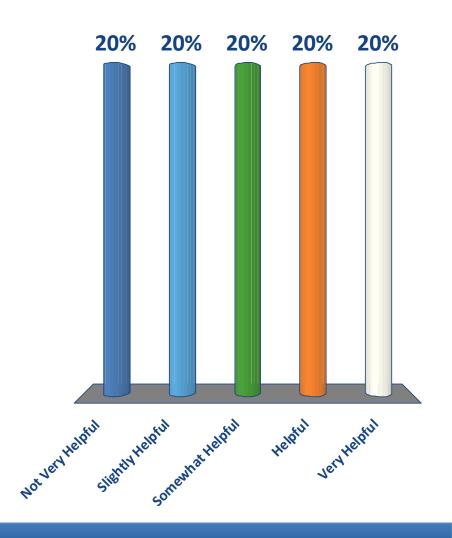
MSD	Louisville and J.	efferson County Metropolikan Sevier District
	ITIZEN DISCOUNT APPI or older with household gross income must be on MSD sewers)	
Date://		
LWC Bill Account Number:		
Name of Applicant:	(Till and a single sing	Single □ Married □ Widowed □
Service Address:(Street)		
(Street) Resident telephone number: ()_		(State) (Zip)
Resident telephone number: (nate of Dirth:
Please submit a document for each	h of the categories below and ch	heck the appropriate box:
Proof of Income	Proof of Residency	Proof of Age
☐ IRS Tax Return & Schedules*	☐ Deed/Title	☐ Drivers License
☐ Social Security Form SSA	 □ Lease/Rental Agreement □ Property Tax Bill/PVA 	□ Birth Certificate
Other	☐ Property Tax Bill/PVA ☐ Other	☐ Other
Tax Return and Schedules filed within I hereby apply for a 30% Senior Citizes Consent Decree Surcharge for the servi of the above property, that I am 68 year year and that I have provided all relevant that at MSD's discretion, I may be request Executed this	n Discount of the amount billed for the certify the sice address listed above. I certify the sof age or older, that my household it documents relating to my income, irred to renew this application each y	sanitary sewer service and the EPA at I am the legal title/leaseholder/renter I gross income is \$35,000 or less per , age and residency. I also understand year.
Executed thisday	or, 20	0
Signature of Applicant:		
Please mail application and supported MSD Attn: Senior Citizen Discount Progra 700 W. Liberty Street Louisville, KY 40203		ng address;
Rev. Form Date: 7/13/10		





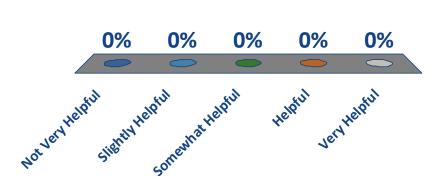
This meeting helped me better understand what causes sewer problems.

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



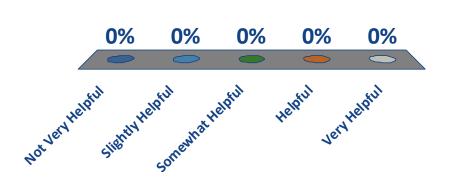
This meeting helped me better understand how I can help reduce sewer problems.

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



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



Working Together for Public Health and Safety



Call MSD Immediately!

502-587-0603

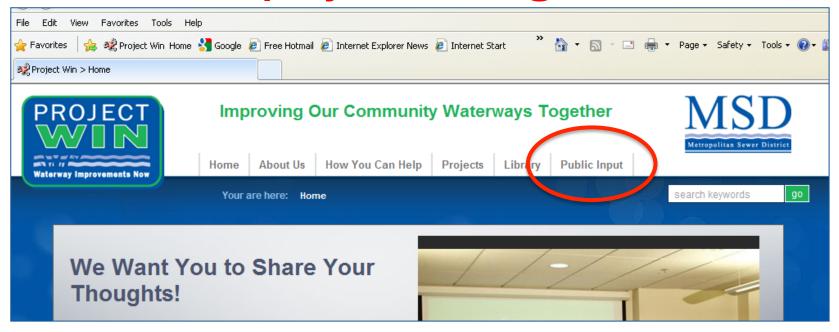






Find Out More

msdprojectwin.org



Learn More at the Website Created Just for YOU!

Please Tell Your Friends and Neighbors to Take

the Survey Online!

M

THANK YOU FOR YOUR PARTICIPATION!

502-587-0603



