

Sewer Overflow Abatement Plan Public Input Meeting

Improving
Our
Waterways
Together

January 2013



Survey of Guests



Presentation Objectives

- History of Louisville Sewers and Overflows
- Sewer Overflow Abatement Plan Overview
- Progress Report
- Proposed Plan Modifications
- Working Together to Keep Sewer Rates Lower
- Three Most Frequently Asked Questions
- Public Input Request

History of Louisville Sewers & Sewer Overflows

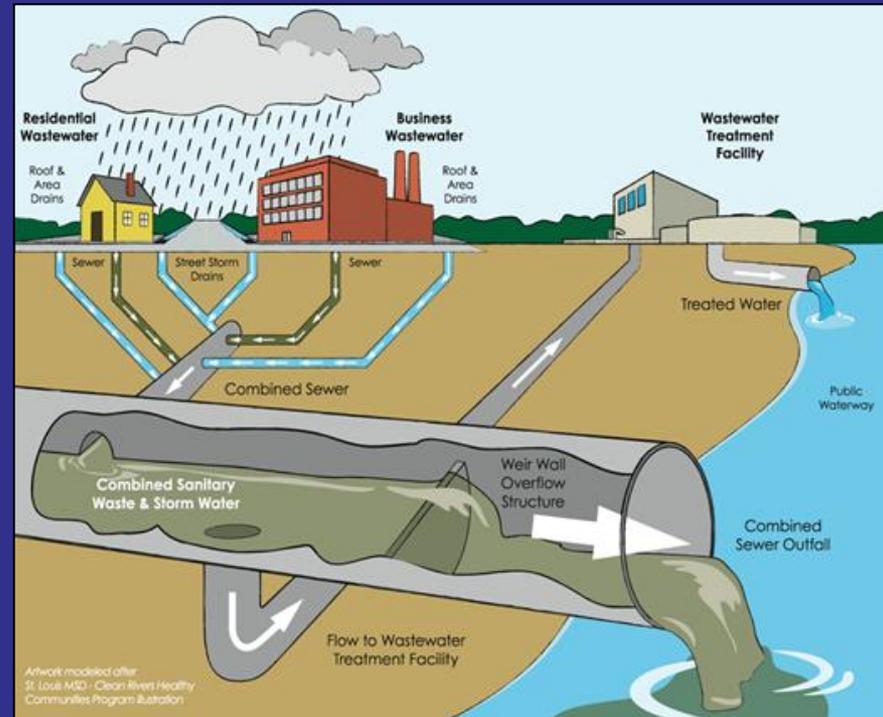


Combined Sewer Overflow

Inside I-264

Challenges

- Stormwater sewers & sanitary sewers were built to operate in “combined” pipe
- Wastewater treatment first built in 1958, but not sized for stormwater



Combined Sewer Overflows



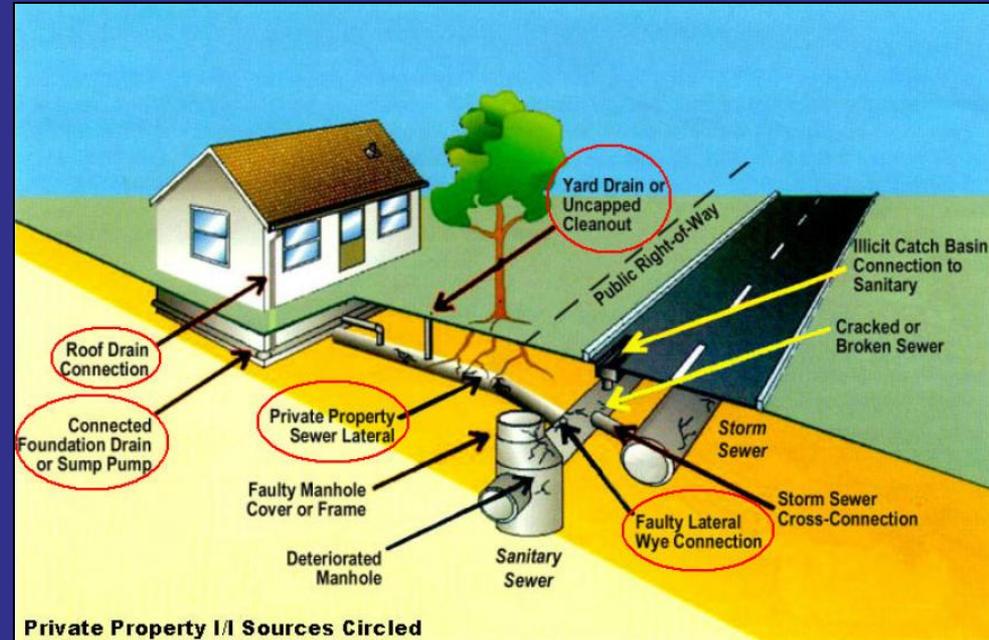
CSO

Sanitary Sewer Overflows

Along/Outside I-264

Challenges

- Original clay pipe sanitary sewers have deteriorated over time, allowing clean water entry into public system
- Groundwater sump pumps & rainwater downspouts connected to sanitary sewer from private property make up 50% of extra flow



Sanitary Sewer Overflows

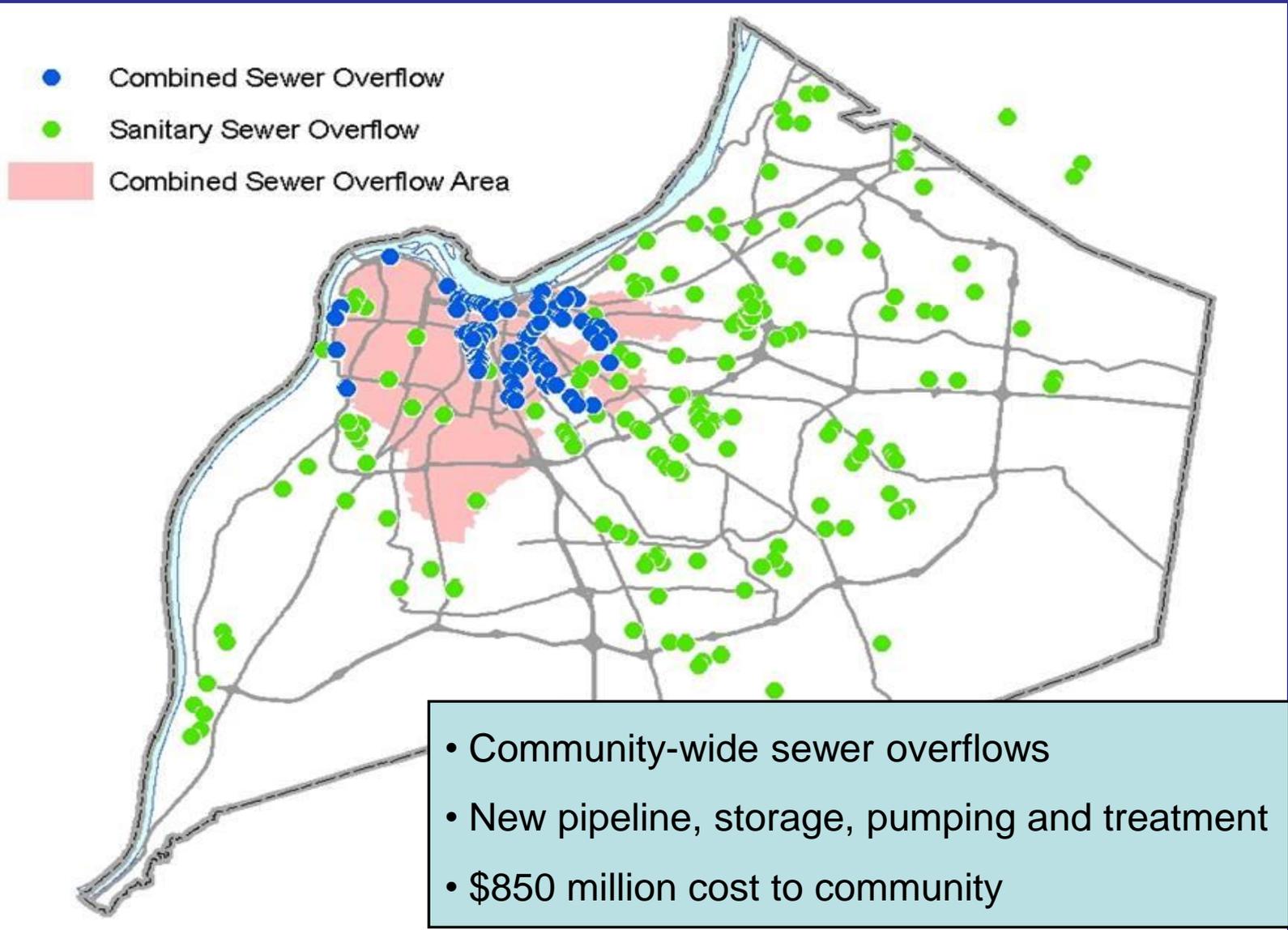


SSOs



Sewer Overflow Abatement Mandate

- **2005** – Mandate from Federal EPA and Kentucky to abate overflows
- **2008** – MSD submitted \$850 million plan to satisfy the mandate
- **2009** - Federal EPA and Kentucky approve the plan
 - Combined Sewer Overflow program complete by 2020
 - Separate Sewer Overflow program complete by 2024



Sewer Overflow Abatement Plan



Overflow Abatement Projects

Approved 2009 Plan

- **Gray infrastructure**
 - Pipeline projects
 - Storage basins
 - Pump station expansions
 - Wastewater treatment plant expansions
- **Source control program**
 - Green infrastructure projects for stormwater reductions
 - Rainwater downspout disconnections from sewers
 - Groundwater sump pump disconnections from sewers



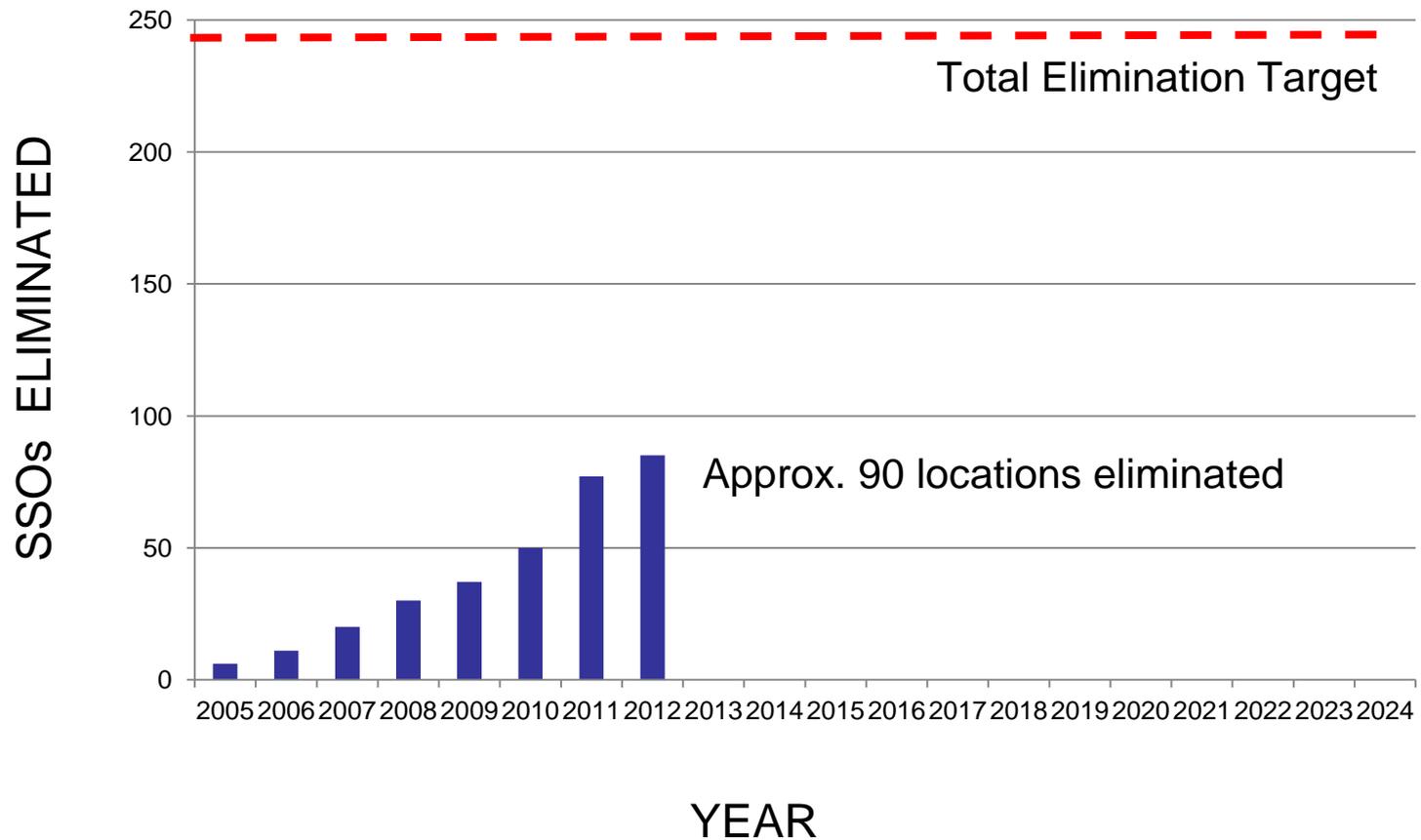
Smoke testing on public sewer indicates improper downspout connection to the sanitary sewer

Implementation Progress

2007 - 2012

- **Gray Infrastructure Projects**
 - 25% completed
 - 20% in design or construction
- **Green Infrastructure Projects**
 - 25 completed
 - 40 in design or construction
 - 30% of program budget committed
- **I/I Reduction Projects**
 - 9 sewer rehabilitation projects completed
 - 8 sewer rehabilitation projects in design or construction
- **Overall program**
 - About 25% complete
 - About 5% under budget, compared to original IOAP estimates

Overflows Eliminated



Sewer Overflow Abatement Plan

Proposed 2012 Modifications



Proposed Modifications

Measure Twice, Cut Once



Proposed Modifications

Approved 2009 Plan Provided for Adjustments

- Improve system monitoring and modeling
- Review project approaches & sizing
- Right-size projects to ensure overflow plan objectives met

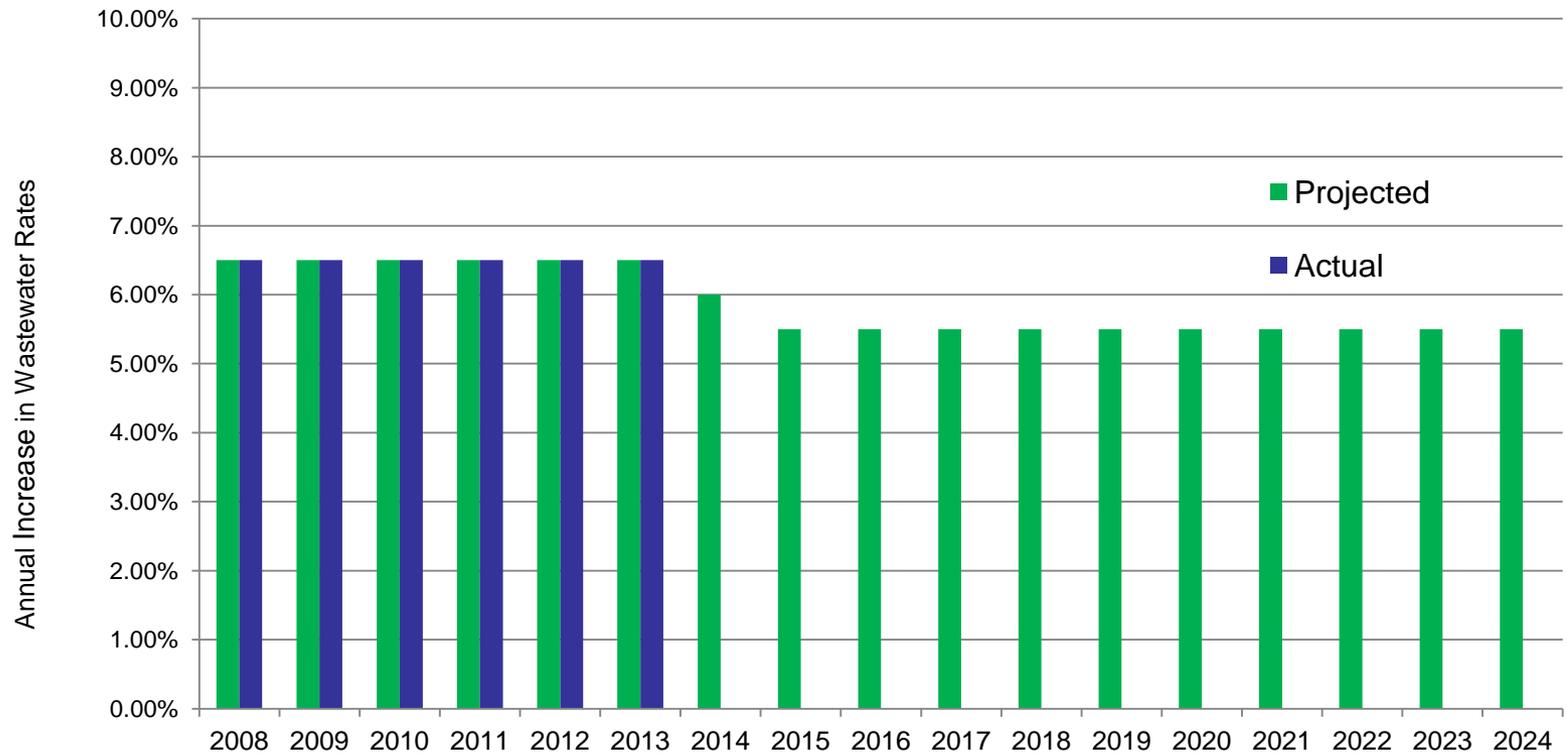
Project Modifications Summary

- 7 projects got larger, 7 projects got smaller
- 3 projects have higher level of overflow control, 1 project has lower control level
- 12 projects move forward in schedule
- 4 projects move back in schedule for “green” infrastructure & size increases
- Program Costs Remain at \$850 Million

Sewer Rates

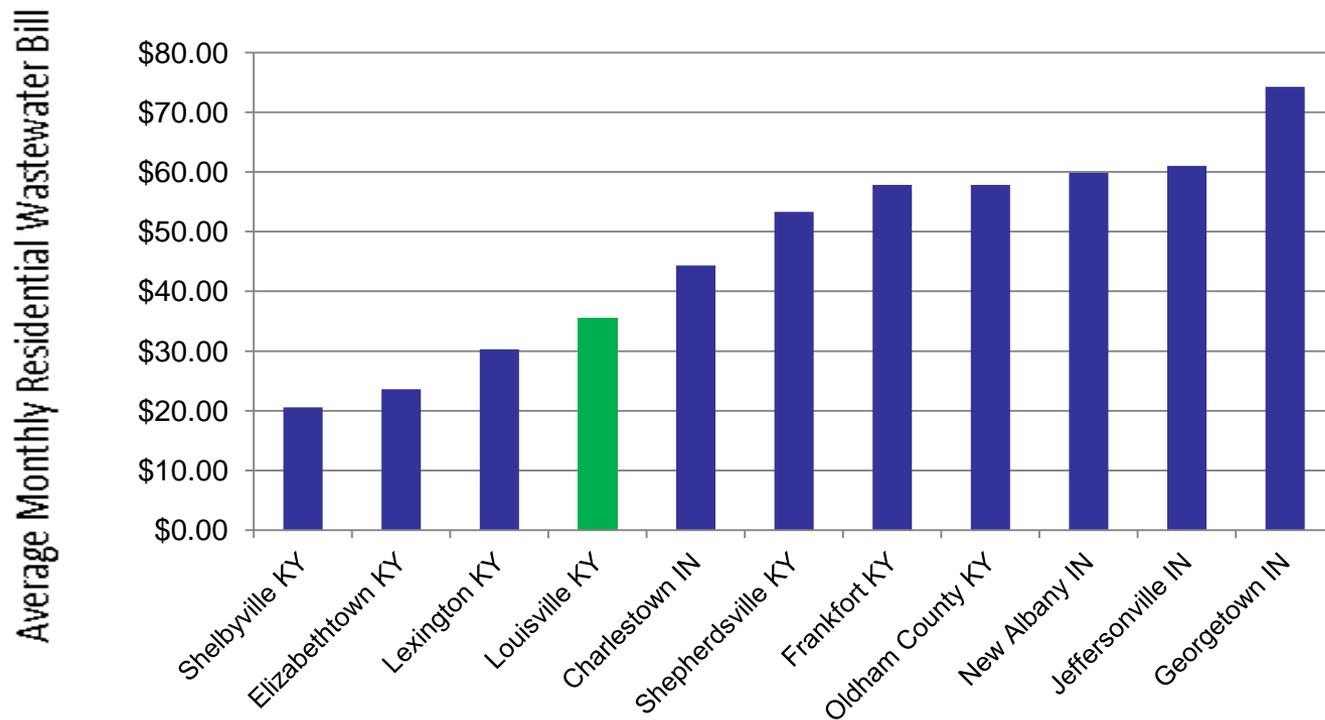


MSD's Rate Increases Compared to 2009 IOAP Projection



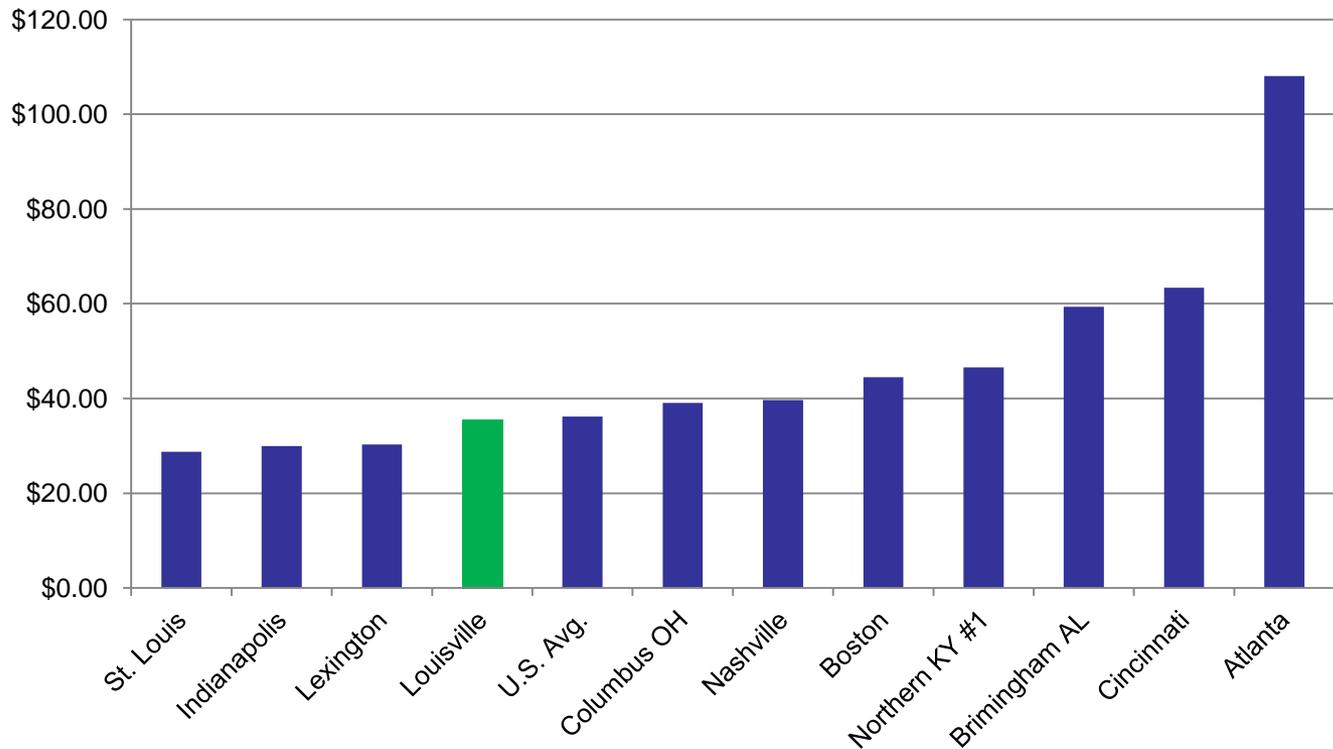
MSD's Rates

Compared to Surrounding Communities



MSD's Rates

Compared to Consent Decree Communities



MSD's Rates

Senior Citizen Discount Application

Applicability

- 65 years of age or older
- household gross income of \$35,000 or less per year
- must be on MSD sewers

Customer Relations 587-0603

MSD
Metropolitan Sewer District

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

Service Address: _____
(Please print)

(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:

Proof of Income	Proof of Residency	Proof of Age
<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/lesseeholder/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

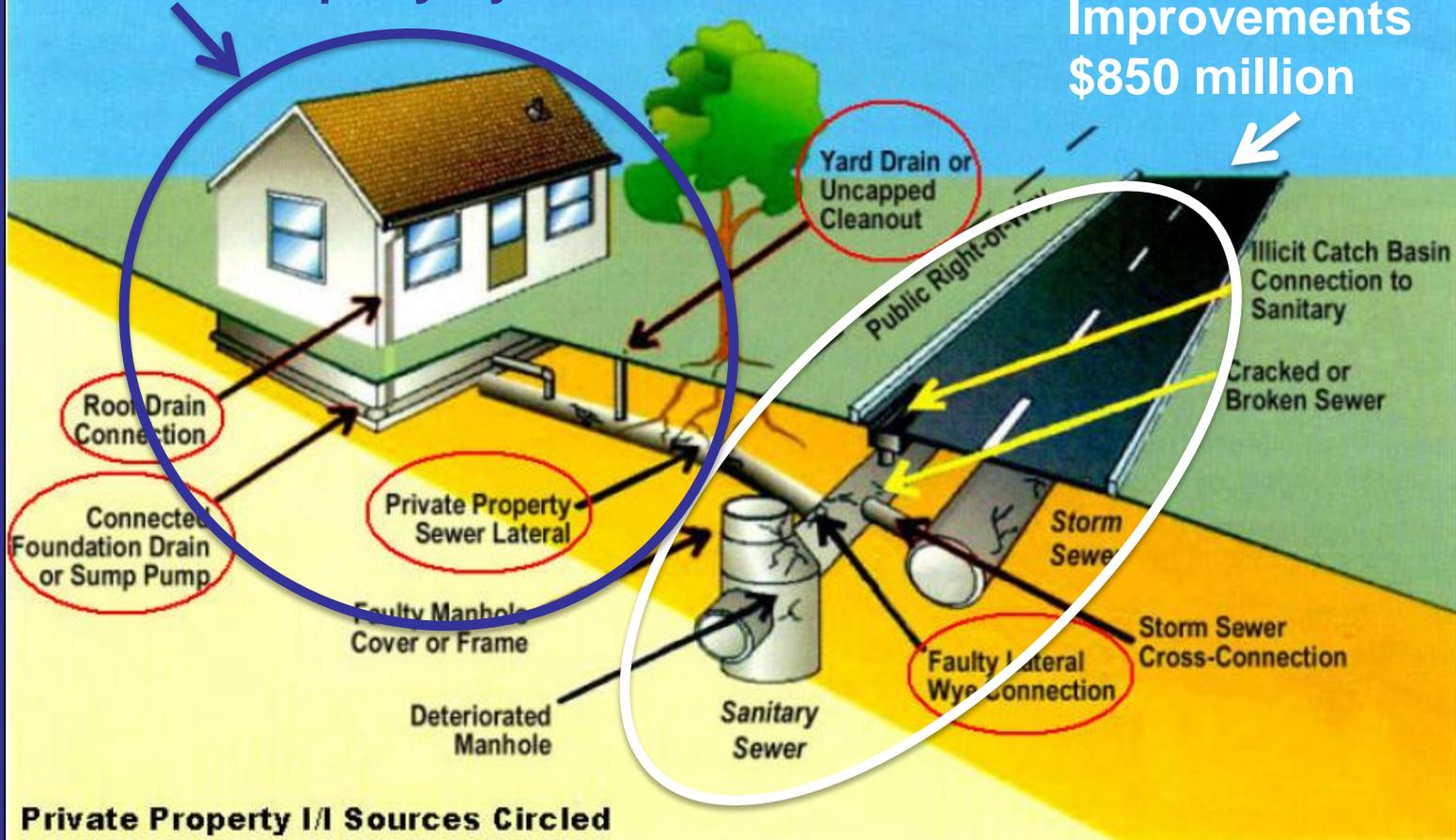
Rev. Form Date: 7/13/10

Working Together To Keep Sewer Rates Lower!!



Private Property System

Public System Improvements \$850 million

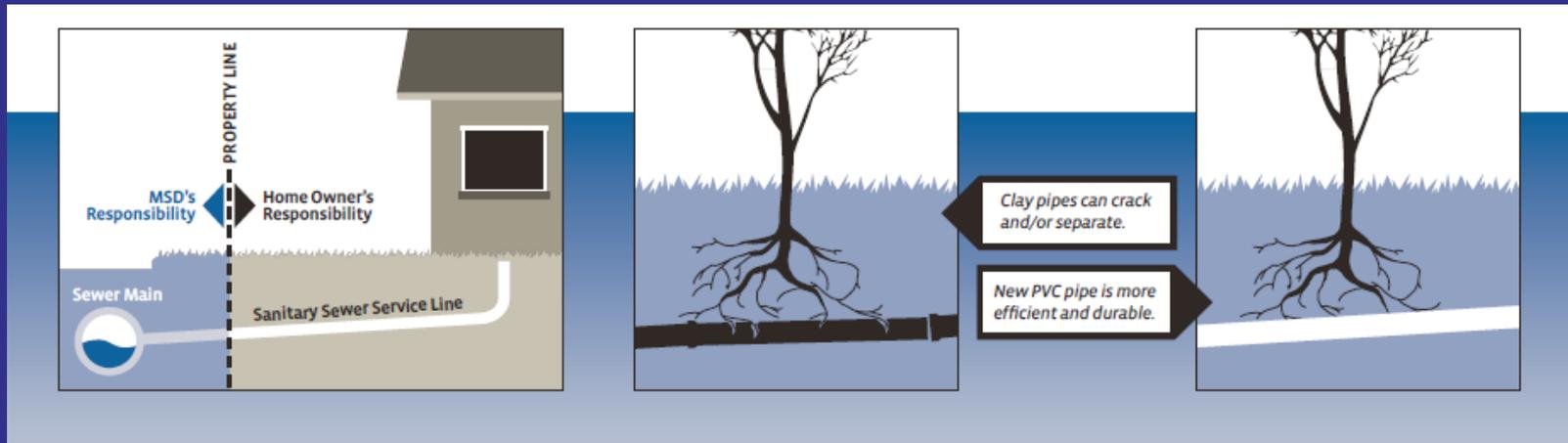


Private Property I/I Sources Circled

Working Together To Keep Sewer Rates Lower!!



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



Working Together To Keep Sewer Rates Lower!!

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



Working Together To Keep Sewer Rates Lower!!

Disconnect sump pumps
from the sewer system

- Single biggest source of private-side unauthorized connections
- Should outlet to the ground or stormwater system

**Plumbing Modification
Program 587-0603**



Working Together To Keep Sewer Rates Lower!!

Delay using
dishwashers and
washing machines
until after rain
events have
passed

Sewers are FULL!



Working Together To Keep Sewer Rates Lower!!

Put dental floss, hair,
and rags in the trash
NOT down the toilet!



**accumulates at pumps and
causes sewer overflows and
basement backups**

What You Can Do To Help Keep Sewer Rates Lower!!

Put fats, oils & greases
in the trash

NOT down the drain!!!!



Grease accumulates in pipes



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

Project WIN Website - msdprojectwin.org

The screenshot shows the Project WIN website homepage. The browser window title is "Project Win > Home". The address bar shows "Project Win > Home". The website header features the Project WIN logo on the left, the tagline "Improving Our Community Waterways Together" in the center, and the MSD Metropolitan Sewer District logo on the right. A navigation menu includes links for Home, About Us, How You Can Help (circled in red), Projects, Library, and Public Input. Below the navigation menu, there is a search bar with the text "search keywords" and a "go" button. The main content area has a blue background with a white box containing the following text:

We Want You to Share Your Thoughts!

MSD is pleased to announce the next sewer overflow abatement project review and input public meetings on August 14, 2012.

[Read More](#)

The photograph shows a public meeting in progress. A man in a suit is speaking at a podium with the MSD logo. Behind him is a large screen displaying a presentation slide titled "Overview" with the following bullet points:

- Why and How the Original Plan was Developed
- Why and What are the Proposed Changes
- Previous Public Input
- Significant Opportunities for Open Practices
- Moving Forward

Other people are visible in the audience.

Project WIN Website - msdprojectwin.org

The screenshot displays the Project WIN website interface. At the top, there is a blue header. Below it, the main content area is divided into several sections:

- Public Notices:** Includes "Current Weather" (H 81°, L 57°) and "Jeffersontown Blending" with "NO" and "YES" buttons. Below this is the "Overflow Advisory Level" with three colored indicators (green, yellow, red).
- Upcoming Events:** Lists events such as "5/8/2012 - Wet Weather Team Stakeholder Group", "5/10/2012 - IOAP Public Input Meeting at the NIA Center", "5/15/2012 - IOAP Public Input Meeting at the Jeffersontown Community Center", and "5/17/2012 - IOAP Public Input Meeting at the Harrods Creek Fire Department". A "More Events" link is also present.
- Links:** Lists resources like "BROCHURES", "FACT SHEETS", "FAQ", "INTERACTIVE MAP", "JUST FOR KIDS", "QUARTERLY REPORT", "PRESS & NEWS", "CHECK LOCAL RAINFALL", and "CSO/SSO LOCATIONS".
- Contact Us:** Provides "PHONE (502) 587-0603" and "EMAIL ProjectWINInfo@LouisvilleMSD.org".
- Sign Up for Alerts & Notifications:** A prominent blue button with yellow text, circled in red.
- Library:** A blue button with yellow text.
- Just for Kids:** A blue button featuring a cartoon character and the text "JUST FOR KIDS".
- YouTube:** A blue button with the YouTube logo and the text "View us on YouTube. click here".

At the bottom, a green footer contains the copyright notice "© 2012 Louisville and Jefferson County Metropolitan Sewer District" and a navigation menu with links: "Home", "About Us", "How You Can Help", "Projects", "Library", "Public Input", and "Contact Us".

Frequently Asked Questions



Frequent Question #1

- Why are you doing \$850M worth of sewer work? Is it really necessary?
- Why are you charging customers more money while we are in a recession?

Unfunded Federal Mandate

Control combined sewer overflows by 2020
Eliminate sanitary sewer overflows by 2024

Frequent Question #2

- Why is this the first we've heard about this large work effort?

MSD held 22 public meetings
in 2007/2008 prior to
submitting the plan to
regulators for approval

Please Complete the Customer Survey



Frequent Question #3

Will my input matter?

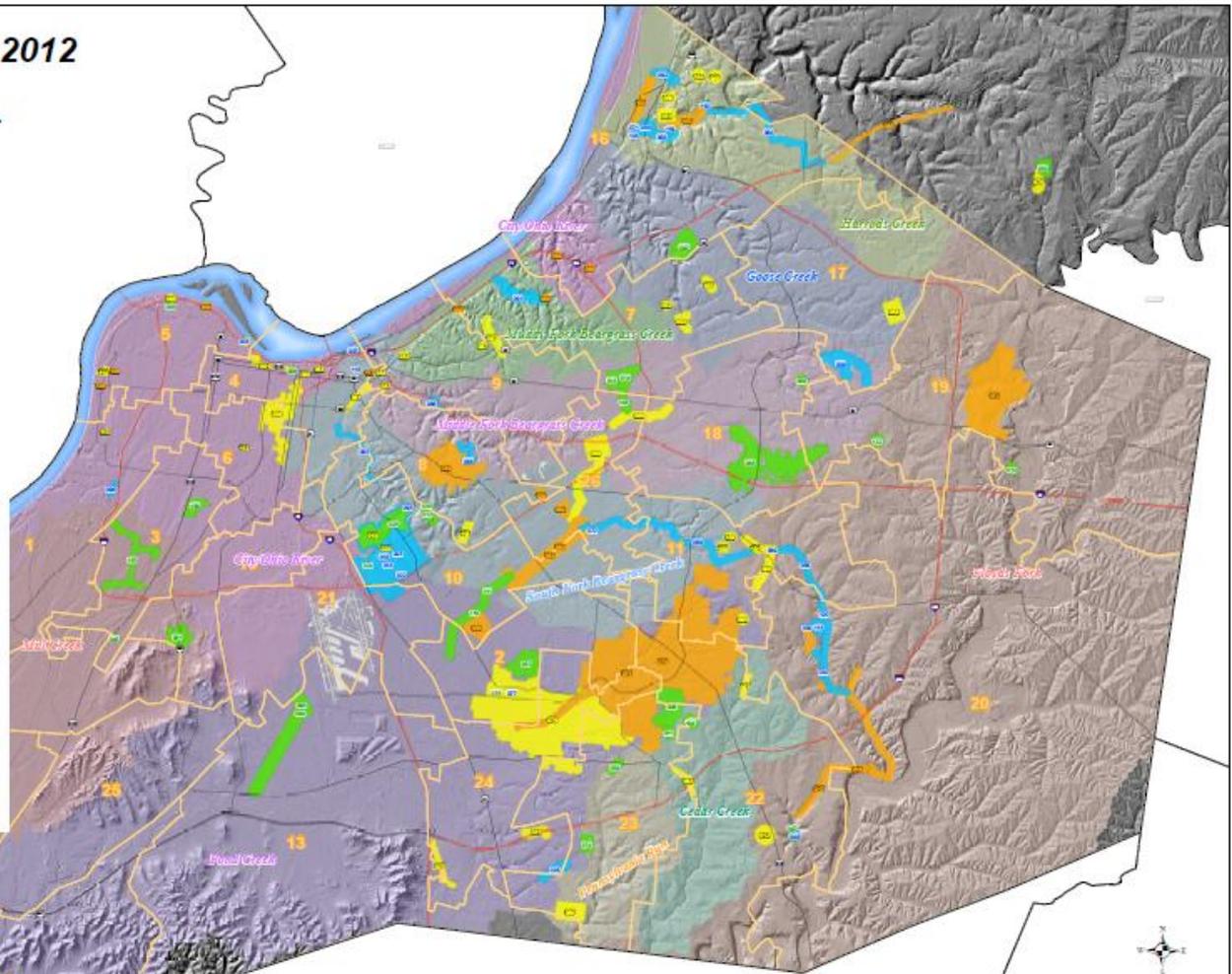
Depending on project status,
public input can impact

- Final project location
- Site design to minimize neighborhood impact
- Project appearance

IOAP Projects 2012

Status Update: 25-OCT-2012

Project ID	Name	Location	Status
001
002
003
004
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Legend	
	Planning
	Design
	Construction
	Complete
	Unimproved State Owned Property
	CRICK CREEK
	CLYDE CREEK
	FLYING FORK
	SOLEM CREEK
	NEVERSINK CREEK
	MIDDLE FORK NEVERSINK CREEK
	MILL CREEK
	MIDDLE FORK NEVERSINK CREEK
	PRINCE LINDA RIVER
	POWELL CREEK
	SOUTH FORK NEVERSINK CREEK



MSD

Metropolitan Sewer District of Washington County

1000 North Washington Street
Martinsburg, WV 26150
Phone: 304.261.1000
Fax: 304.261.1001
www.msdc.gov

Together Moving Forward

- Continue discussions with EPA regarding proposed project modifications
- Additional public input meetings being held
- Red-line markups of IOAP planned to be available at Public Libraries in mid February
- Formal public hearing on the Plan Modification planned for March

Working Together

Information Stations

Customer Relations	Sewer Overflow Projects	Project WIN Information
Backup, sewer or drainage issues	See if your property is near a current or future overflow project	Things you can do at home to help keep sewer rates lower
Plumbing Modification & Sewer Service Line Programs	Ask questions about the sewer overflow abatement program	Project WIN Website navigation assistance
Senior Citizen Discount Program		Signup for overflow alerts and meeting notifications



Public Input

Sewer Overflow Abatement Program/Projects

Provide comments and ask questions

- 4 Ways to Provide Comments Tonight
 - Note card or comment form
 - Information station or on video
- Via email at commentsIOAP@msdlouky.org
- Via mail:

MSD IOAP Project Comments

Attention: Project WIN Program Manager

700 West Liberty St.

Louisville, KY 40203



End of Presentation



CSO Annual Average Overflow Volume (AAOV) Reduction

