

CIP 2021

Care and Conserve Update



June 1, 2021

**NEW DAY PROJECT
WATER METER
REPLACEMENTS IN
PROGRESS**
Questions?
Call (404) 378-4475 or visit www.dekalbcountyga.gov/newdayproject

DeKalb County
Contractor
New Day Project





Non-Revenue Water

Revenue Optimization

Minimize the difference between water produced and water sold

Authorized Consumption	Billed Authorized Consumption	Billed Metered Consumption	Past due/zero customer accounts
		Billed Unmetered Consumption	
	Unbilled Authorized Consumption	Unbilled Metered Consumption	
		Unbilled Unmetered Consumption	
Water Losses	Apparent Losses	Unauthorized Consumption	URM Audit
		Customer Metering Inaccuracies	New Day Project
		Systematic Data Handling Errors	URM Audit
	Real Losses	Leakage on Transmission and/or Distribution Mains	Satellite Leak Detection/CIP focus
		Leakage and Overflows at Utility's Storage Tanks	
		Leakage on Service Connections	Care and Conserve Program

INITIATIVES

01

IDENTIFY

Identify early

02

IDENTIFY

Use new technologies

03

RESOLVE

Help those in need address the issue

SMART METERS

Identify early

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Contractor
New Day Project

NEW DAY PROJECT
WATER METER
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Contractor working on New Day Project

A NEW DAY



PROVIDING TIMELY AND
ACCURATE DATA



FOR TRUSTED AND VERIFIABLE
BILLS

- Over 134,000 meters, about 70% of all customers, now have transmitters for electronic usage reporting/Advanced Metering Infrastructure (AMI)
- AMI helps identify leaks

SATELLITE LEAK DETECTION



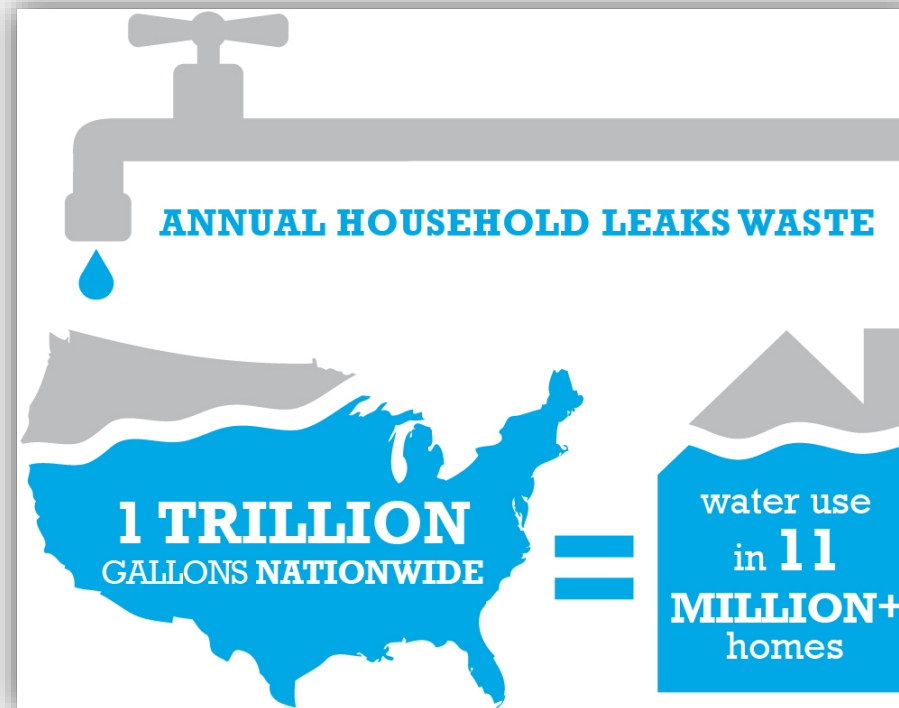
2017-2027 - A Decade of Renewal



Dekalb County Map

PROJECT SUMMARY

- More than 800 locations identified by the satellite leak detection survey as potential water leak areas
- ~ 10% of these are expected to be identified as customer side leaks
- To date approximately 43% of the 800 locations have been investigated in the field with confirmation of approximately 35 customer side leaks.



Source: EPA



CARE AND CONSERVE – Water Infrastructure Assistance

2017-2027 - A Decade of Renewal

Dekalb County Map



CARE AND CONSERVE – Water Infrastructure

- The County has responsibility to address water wasting
- Some citizens cannot afford to fix private pipe breaks
- Bills are accumulating

The establishment of the *Care and Conserve Water Leak Program* will provide plumbing assistance grants



OVERVIEW OF THE PROPOSED CARE AND CONSERVE PROGRAM

- A special purpose plumbing repair grant will be developed to aid with critical plumbing repairs for low-income seniors (62 or older) and disabled homeowners in our service area.
- This grant will be designed to assist the homeowners with plumbing leaks or failure of water supply components, waterlines, water pumps, and hot water heaters.
- The program is beneficial as it will enhance water conservation efforts and reduce excessive water billing.



CARE AND CONSERVE – Sewer Infrastructure Assistance

2017-2027 - A Decade of Renewal

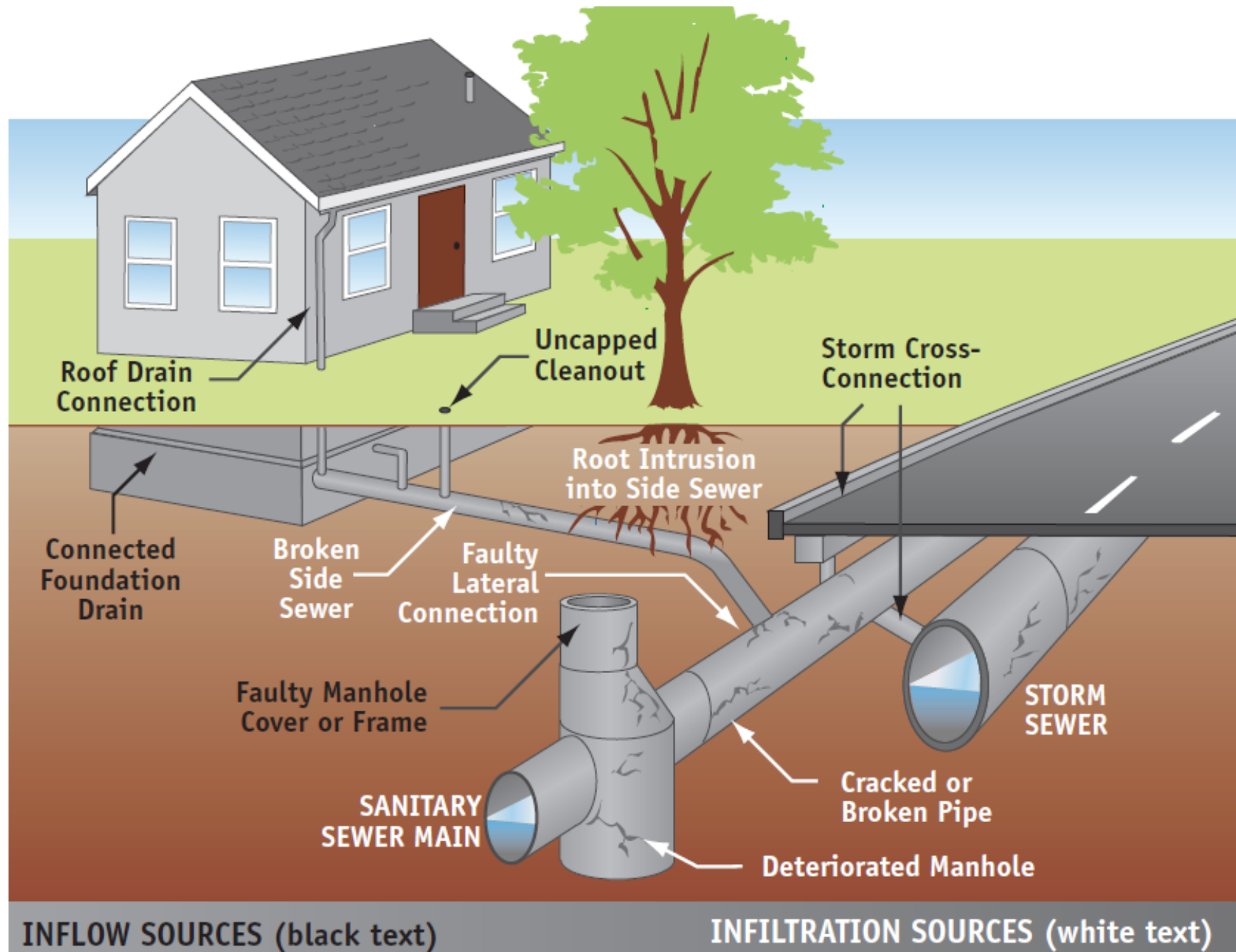
Dekalb County Map



CARE AND CONSERVE – Sewer Infrastructure

- The County has responsibility to address sewer leaks and reduce the risk of environmental harm
- Some citizens cannot afford to fix private lateral leaks or leaking septic systems

The establishment of the *Care and Conserve Sewer Lateral Program* will provide assistance



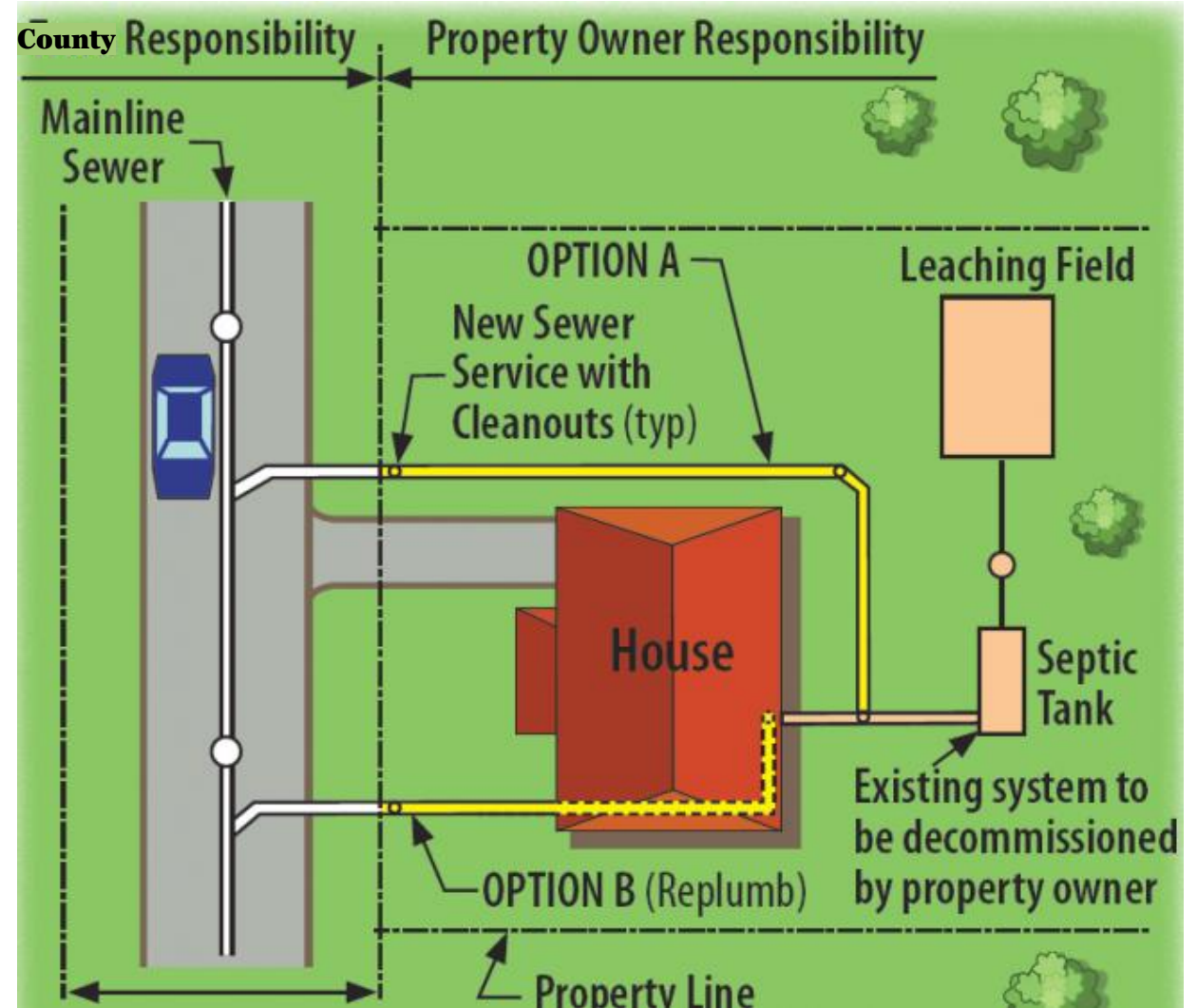
CARE AND CONSERVE – Sewer Laterals

- Smoke testing can identify defects that allow stormwater to enter the system including:
 - Broken/missing cleanout caps
 - Defects in private laterals
 - Roof drain connections
- The County has completed smoke testing in the priority areas
- Repair of sewer laterals to be assisted via grants



OVERVIEW OF THE PROPOSED CARE AND CONSERVE PROGRAM – Septic-to-Sewer

- The Septic-to-Sewer Lateral Incentive Programs is intended to encourage homeowners to voluntarily connect to the central sewer system
- The petition process currently in place will continue
- New sewer lateral to be installed and connect to County sewer main funded by assistance grant



QUESTIONS?

DEKALB COUNTY
GEORGIA
1822

