



# Private Sewer Lateral & Private Systems Policy Development Update

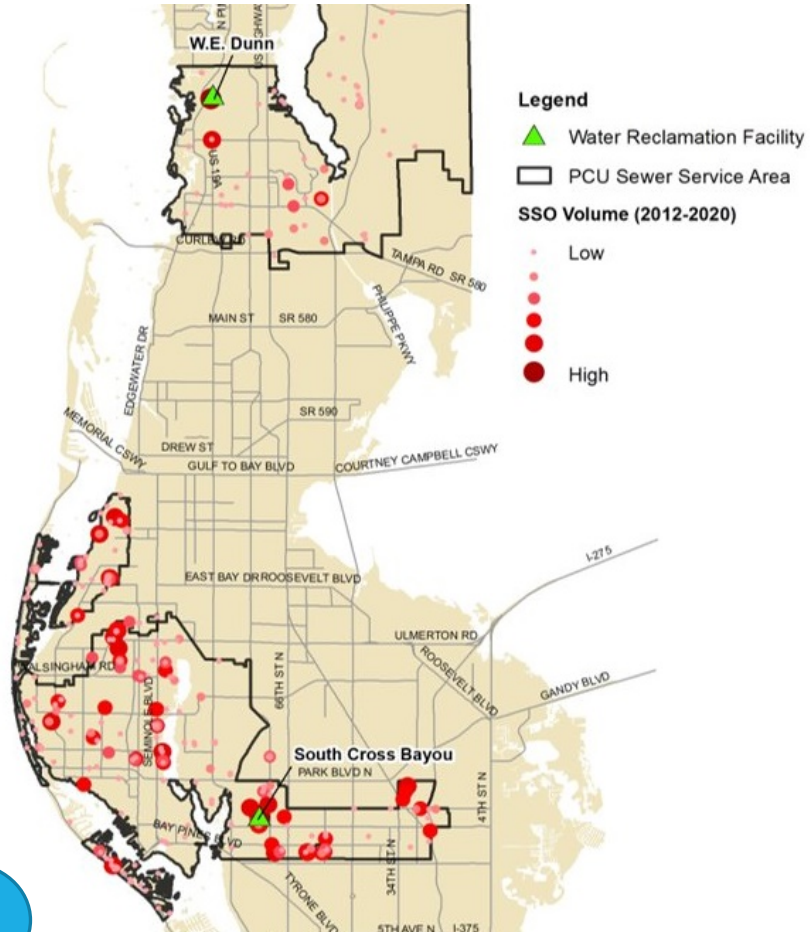
Wastewater Collection System Program  
BCC Work Session  
December 2nd, 2021  
9:30 AM





# SSO Elimination Reduces Risk for Further Regulatory Enforcement

## Two Key Issues Driving Private Sewer Policies



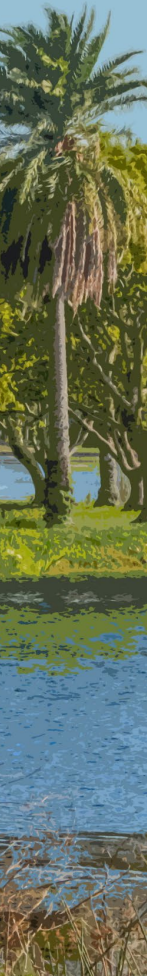
1

Reoccurring SSO Hot Spots



2

South Cross Bayou Consent Order

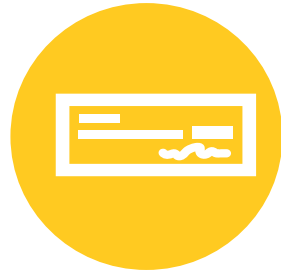


# Policy Options Update:



## Find and Fix

Identify defective laterals for repair or replacement in targeted areas



## Permitting

Property improvements requiring building permit prompts inspection and corrective action



## Rebate

Funding for inspection and/or corrective action



## Private Systems

Permitting and inspection of private collection systems and pump stations







# Find and Fix Policy – Preliminary Priority Areas

Policy Goal: Reduce I&I from private sewer laterals as part of ongoing wastewater collection system rehabilitation program led and funded by PCU



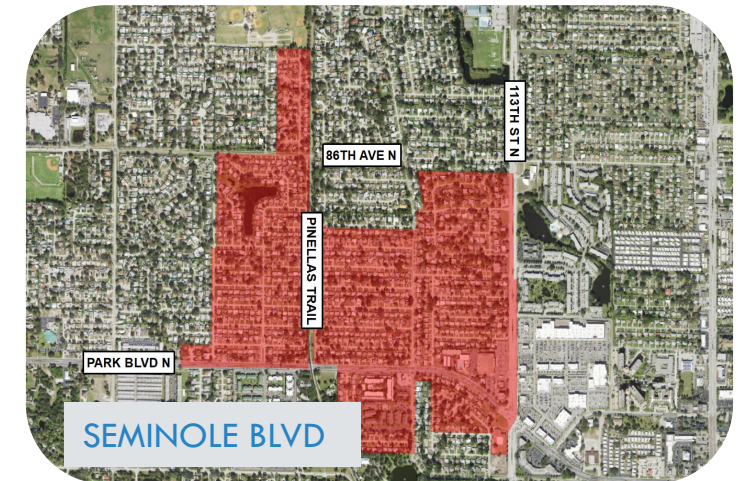
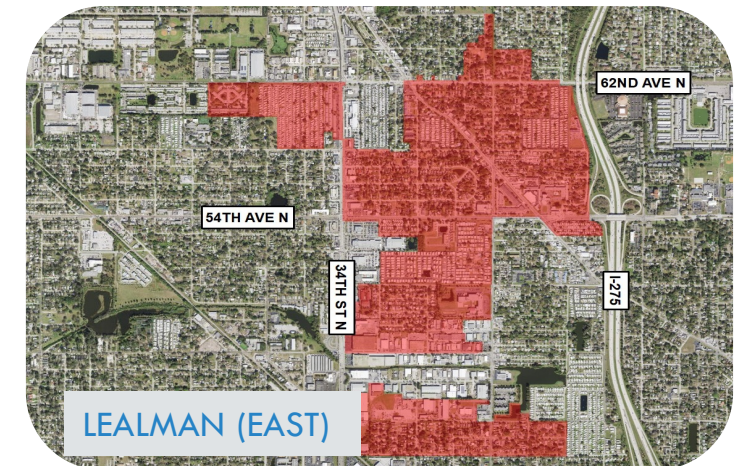
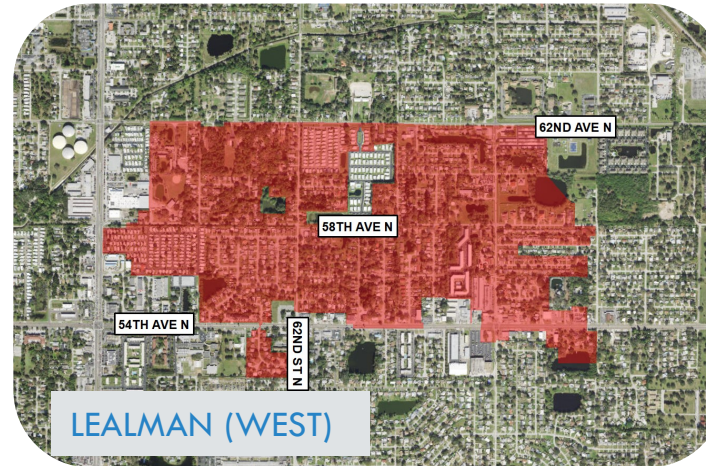




# Find and Fix Policy – Preliminary Priority Areas

## Policy Summary:

- ✓ Estimated I&I Reduction: 25% to 55% by addressing private laterals
- ✓ 36 Miles of Pipeline Rehabilitation
- ✓ 3300 Private Laterals
- ✓ Public Rehab: 3.6 Miles per year
- ✓ Cost Avoidance: \$25M to \$50M+ for additional flow attenuation storage and pumping



Policy Component	Policy Administration	Annual Costs
Private Laterals	Approx. 340 Per Year	\$957,000
Public Lines and Laterals	Approx. 19,000 LF Per Year	\$3,223,000
Public Outreach	Mailers, Social Media, etc.	\$20,000
Temporary Easements	One FTE	\$58,000
Engineering Services	Design/Bid/CM Services	\$800,000
Total Estimated Annual Cost		\$5,058,000





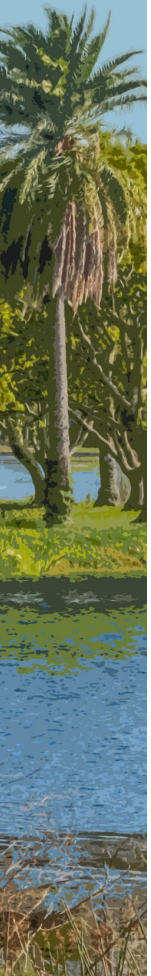
# Permitting Policy Update

**Policy Goal:** Require private property owners to inspect and repair sewer laterals, if required, when other major home improvements occur.

## Policy Components:

- ✓ Additional plumbing fixtures
- ✓ FEMA 50 Percent Rule
- ✓ New addition to home
- ✓ Demolition / rebuild

Policy Component	Policy Administration	Annual Costs
Administrative	One FTE	\$58,000
Public Outreach	Mailers, Billing Inserts, Social Media, Public Meetings	\$20,000
	Total Estimated Annual Costs	\$78,000





# Rebate Policy Update

**Policy Goal:** Incentivize property owners to inspect and repair or replace their private lateral by providing 50% rebate for the cost.

## Policy Components:

- ✓ Requires Inspection by PCU-Prequalified Plumber or Contractor
- ✓ Estimated to address 150 – 250 homes annually

Policy Component	Policy Administration	Annual Costs
Inspection	\$350 Max per Property	\$100,000
Replacement	50% up to \$3500 per Property	\$700,000
Administrative	One FTE	\$58,000
Public Outreach	Mailers, Billing Inserts, Social Media, Public Meetings	\$20,000
Total Estimated Annual Cost		\$878,000



Private Sewer Lateral Construction





# Private System Policy

**Policy Goal:** Reducing operational risks and minimizing new private systems to reduce I&I from entering PCU's wastewater collection system.

## Policy Components:

- ✓ System-wide inventory of private systems
- ✓ Permitting, inspection, operation, and management including enforcement
- ✓ O&M performance standards and SSO Response Plans
- ✓ Public Outreach

Policy Component	Policy Administration	Start Up Costs	Annual Costs
Administrative	Four New Management and Inspection Staff	N/A	\$464,000
Inventory	Private System Inventory and Characterization	\$300,000	N/A
Public Outreach	Billing inserts, mailers, public meetings, neighborhood meetings, social media	\$50,000	\$20,000
	Total Estimated Costs	\$350,000	\$484,000



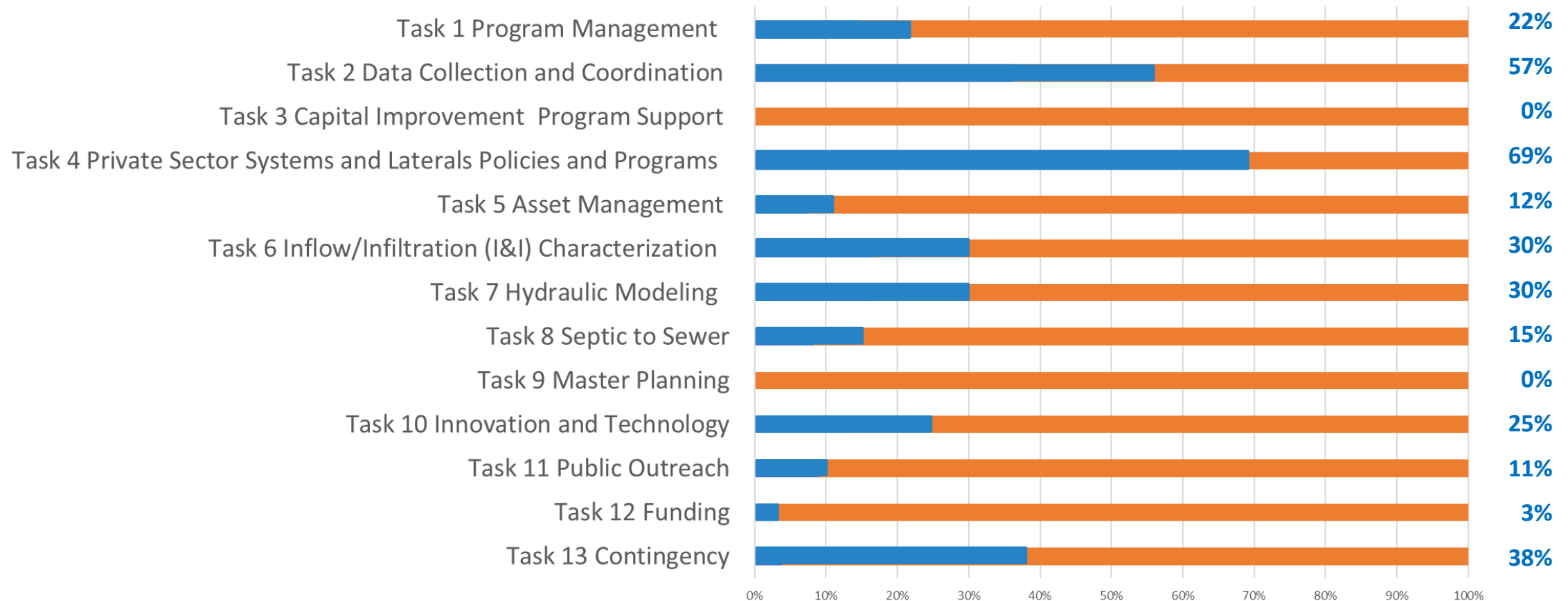
Typical Commercial Development in Pinellas County



# Wastewater Collection System Program Update

- ✓ 10 of the 12 Major Tasks Launched since our last meeting with the BCC in May 2021

20% Cumulative Percent Complete Through October 2021



# Discussion and Next Steps



1. Public Hearing for Policy Adoption
2. Implementation Plan
3. Public Outreach / TBEP Coordination

