

A worker in a bright yellow rain suit is bent over, working on a storm drain in a residential street. In the background, there is a white utility truck and a house. The scene is overcast and wet.

City of Sacramento Storm Drainage System Overview

Water Committee – August 21, 2018

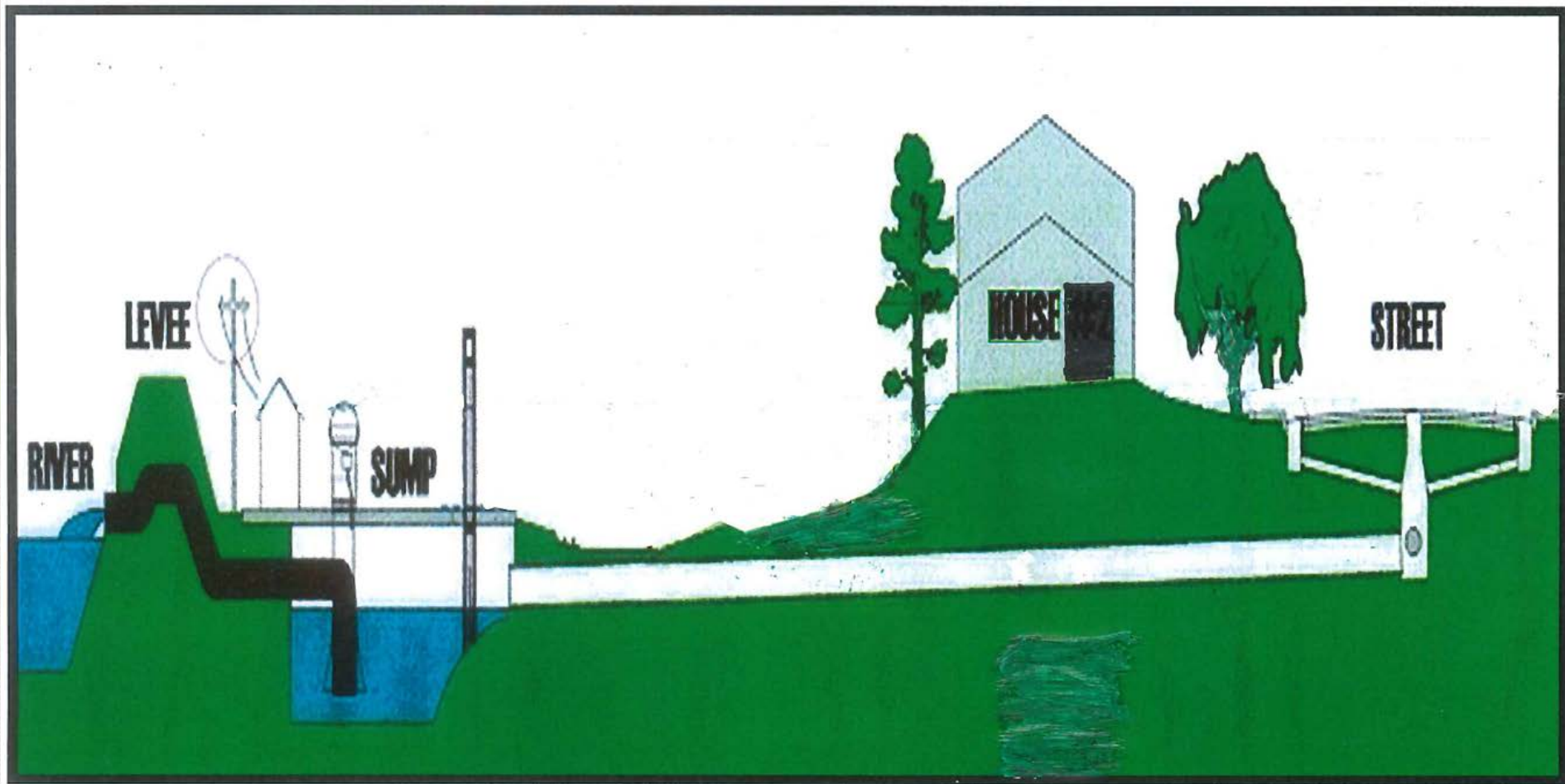
Presentation Overview

- Storm Drainage System Overview
- Storm Drainage System Challenges
- Storm Drainage Fund Status
- Next Steps: Information and Awareness

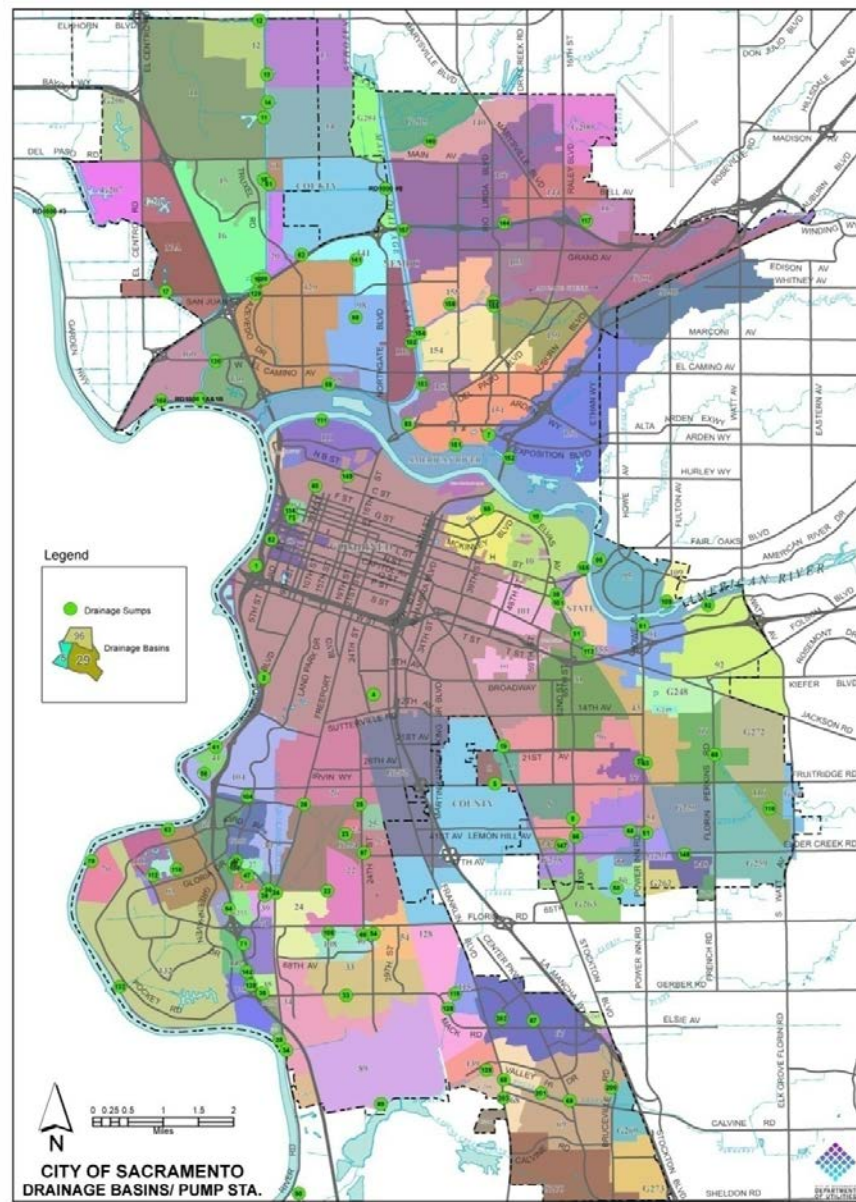
A worker in a bright yellow rain suit is bent over, cleaning a storm drain in a residential street. The street is wet and reflective. In the background, there is a white utility truck and a house. The scene is overcast.

Storm Drainage System Overview

Storm Drainage System



Drainage Basins



Combined Sewer System



Levels of Service



10-year storm



100-year storm

Major Drainage Assets



105 Pump Stations



842 Miles of Pipeline



**82 Water Quality/Flood
Control Basins**

Major Drainage Assets



Levees



Streams



Channels

Major Combined Sewer System Assets



CWTP



Pioneer Reservoir

Major Combined Sewer System Assets



Sump 1A



Sump 2A

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Storm Drainage System Challenges

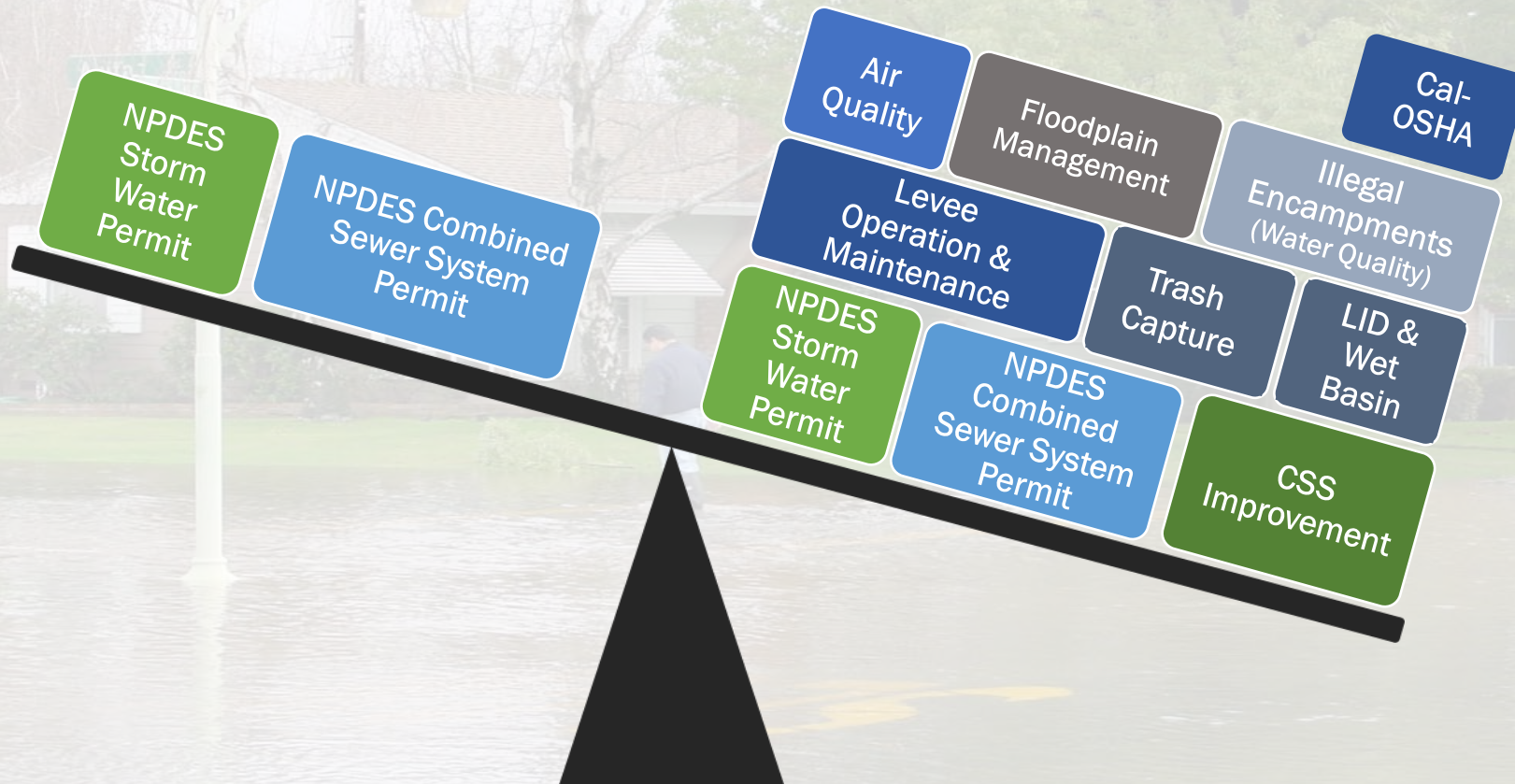
Storm Drainage System Challenges

- Regulatory compliance
- Aging, undersized system
- Pumped vs. Gravity
 - More frequent capital improvement at higher costs

Storm Drainage System Challenges

- No capital improvements
 - Only funding critical failures
- Operating expenses > revenues
- No rate adjustments since 1996
- Meeting City Council-approved levels of service

Regulatory Challenges



1996

2018

A photograph of a flooded residential street. In the background, there is a single-story house with brown siding and white trim around the windows. A street sign on a pole in the foreground reads "Alder" and "23rd". The street is completely submerged in water, and the water reflects the scene. Bare trees are visible behind the house. The overall tone is somber and highlights the impact of flooding on infrastructure.

Aging, Undersized System

Pumped vs. Gravity



Lack of Funding for Capital Improvements



Other O&M Responsibilities



New O&M Responsibilities



Consequences of Not Investing

- Increased localized flooding
- Public health and safety threats
- Regulatory non-compliance
 - Federal and state enforcement
 - Loss of local control
 - Fines, moratoriums, consent decrees

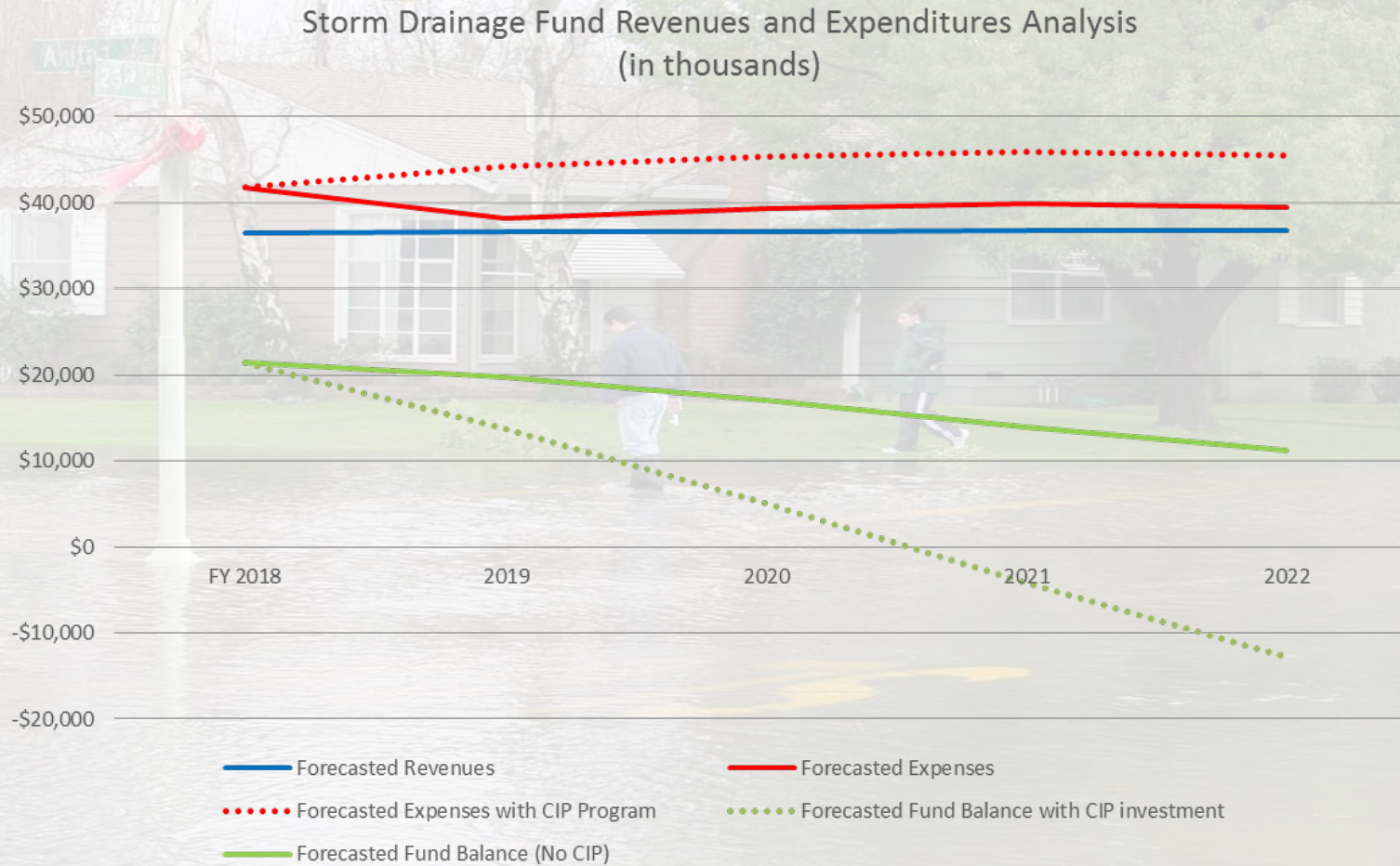
Consequences of Not Investing

- Lawsuits and risk claims
- Negative impact on economic development
- Financial instability
- Environmental impacts
 - Water quality & habitat

A worker in a bright yellow rain suit is bent over, using a tool to clean a storm drain in a residential street. The street is wet and reflective. In the background, there are houses, trees, and a white utility truck. The scene is overcast.

Storm Drainage Fund Status

Storm Drainage Fund Balance Trends





Next Steps: Information and Awareness

Storm Drainage System Information and Awareness Program

- Importance of a healthy Storm Drainage System
 - Microsite
 - Materials (Infographic, fact sheet, FAQs)
 - Call-to-action for customers
 - help keep the drains clean and clear.

Storm Drainage System Information and Awareness Program

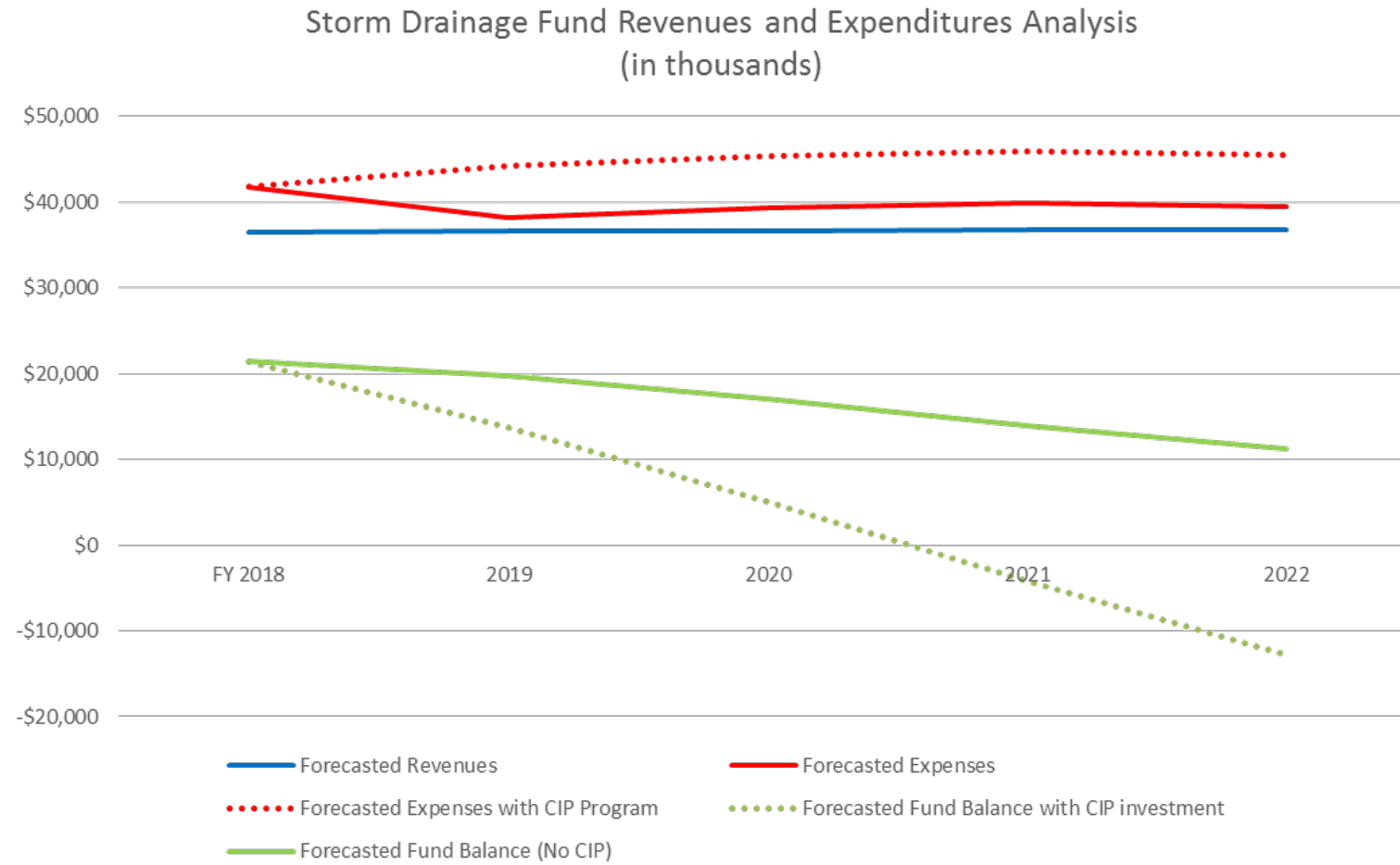
- Educational outreach
 - Neighborhood associations
 - Facebook ads
 - Bill insert
 - Youth outreach
 - More to come!



Chalk a Storm Drain at Chalk It Up! September 1-3



Storm Drainage Fund Balance Trends



A worker in a bright yellow rain suit is bent over, using a long-handled tool to clear a flooded street. The water is murky and reflects the overcast sky. In the background, a white utility truck is parked on the right, and a residential house with a grey roof is visible on the left. The scene is set in a suburban neighborhood with bare trees and a street sign that reads "Fourth".

Questions?