

# Los Osos Wastewater Project

San Luis Obispo County  
Department of Public Works

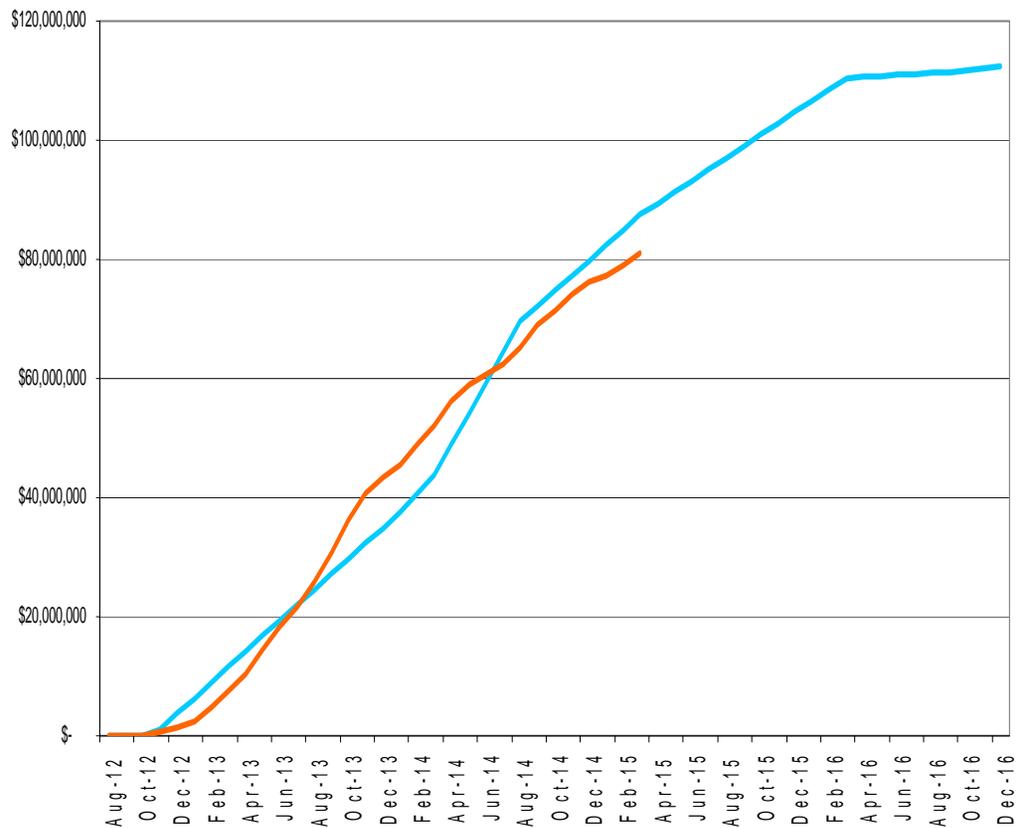
March 17, 2015

# Project Status Update

- Construction progress
- Project cost review
- Lateral connections and septic system reuse options
- Financial assistance
- Upcoming milestones/Next steps

# Construction Progress

Pipeline Contracts	100% complete
Pump Stations Contract	98% complete
Water Recycling Facility Contract	35% complete



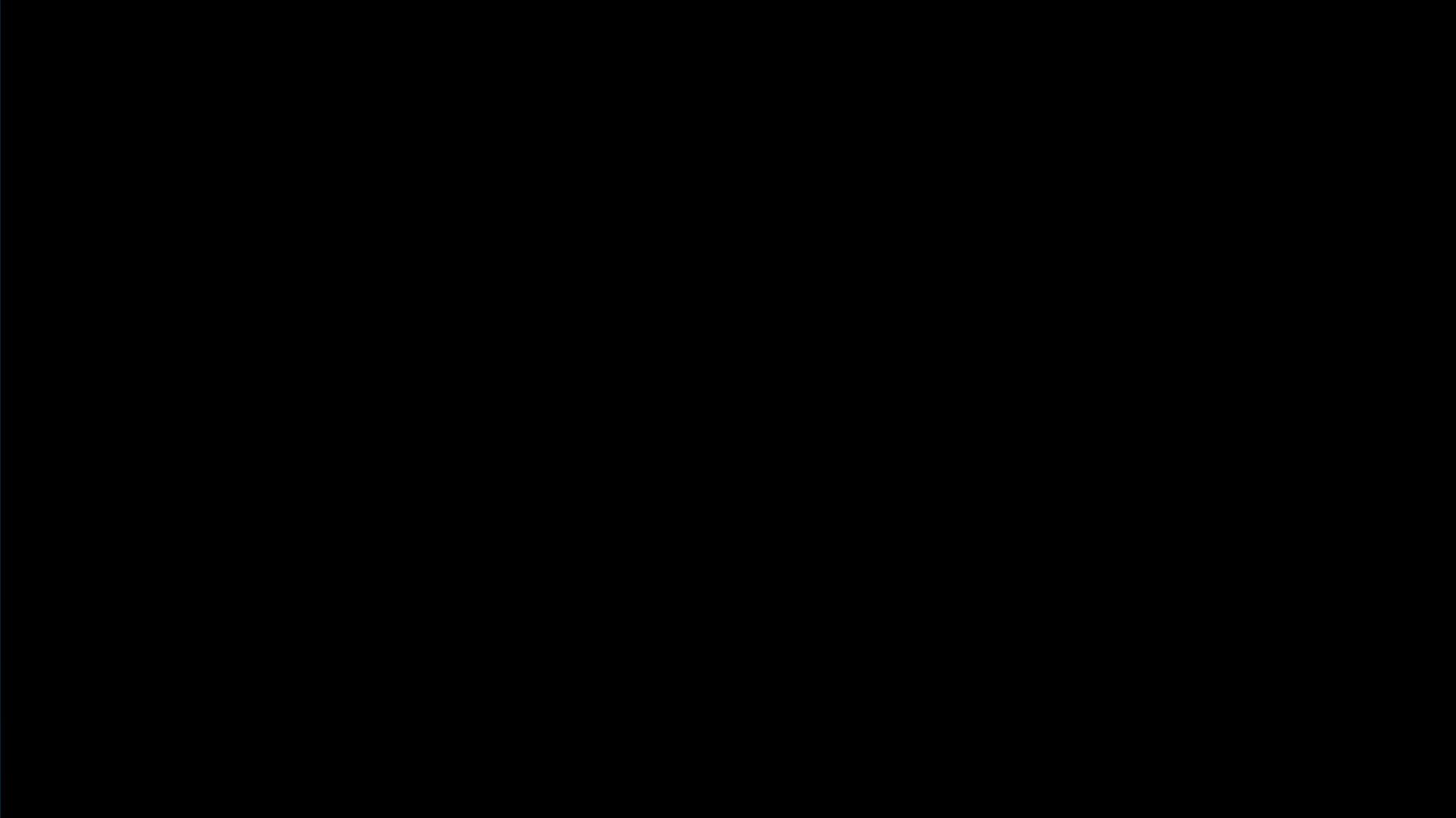
# Pump Stations Construction



# Water Recycling Facility



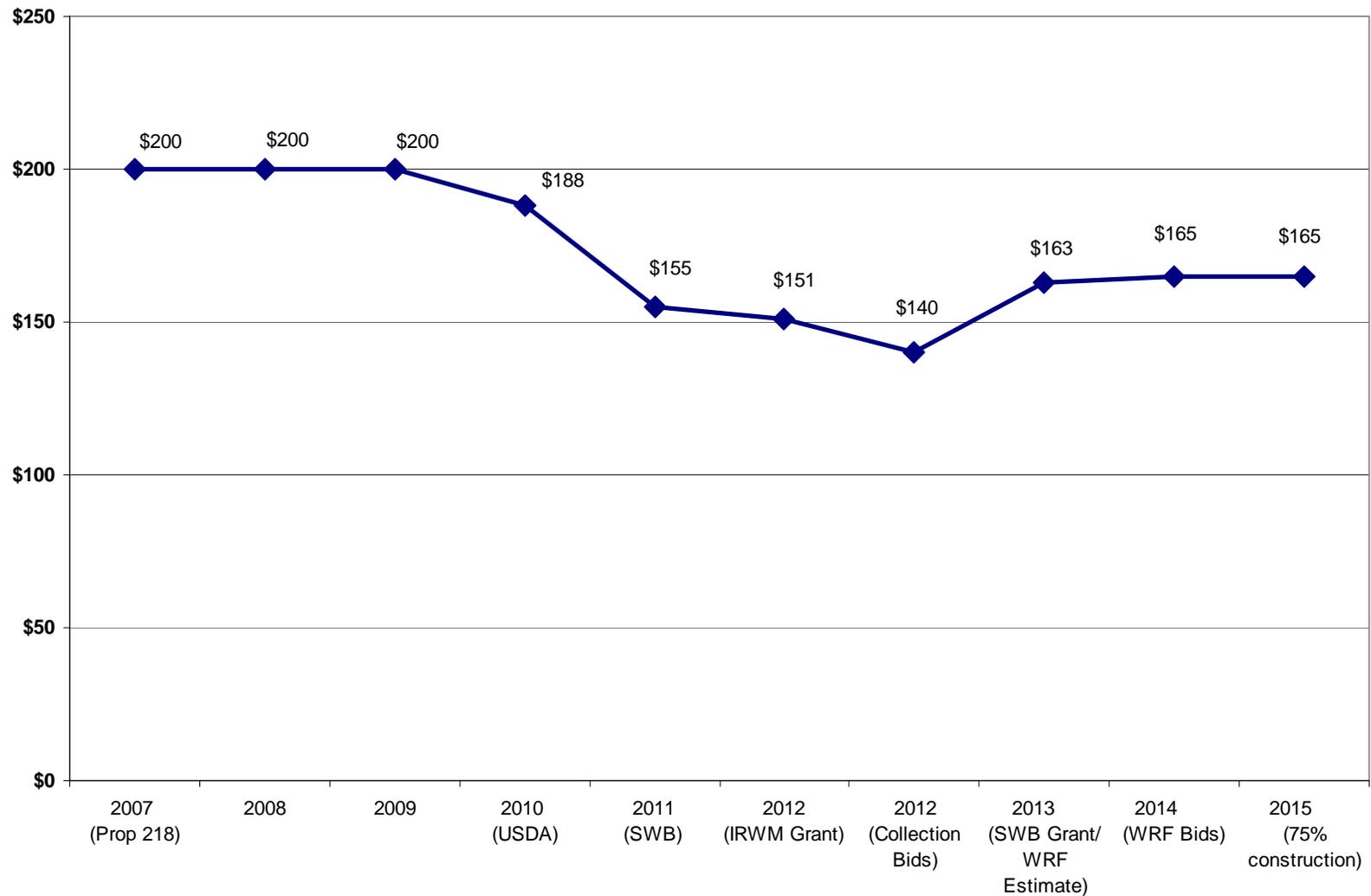
Public Tour: Tuesday, March 31 at 5pm



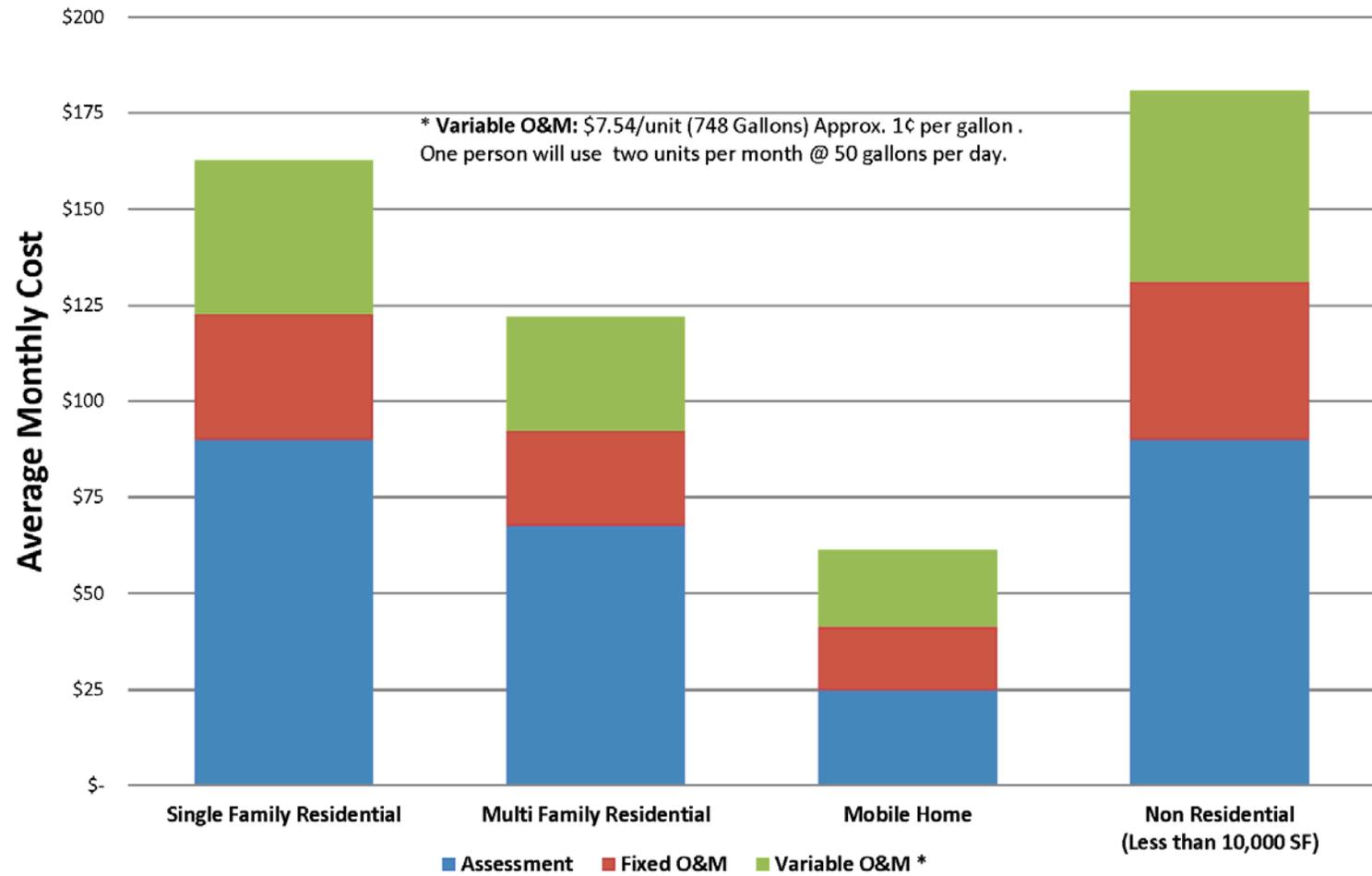
# Project Funding

<b>Funding Source</b>	<b>Amount</b>
USDA and SRF loans	\$161.8 M
Various grants	\$21.6 M
<b>Total Funding</b>	<b>\$183.4 M</b>

# Monthly Cost Estimates – Typical Single Family Residence



## Los Osos Wastewater Project Average Estimated Monthly Cost



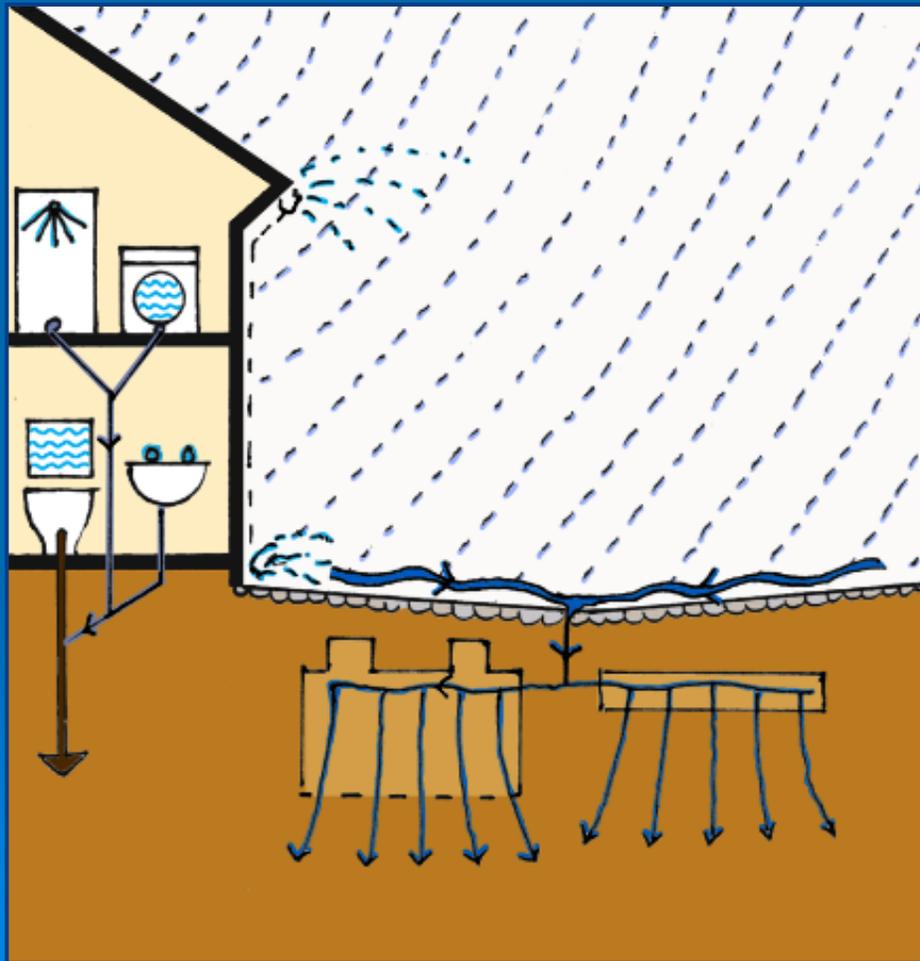
# On-Lot Lateral Connection

- Connections Begin Spring 2016
  - Phased connections through town
  - Connect within 6 months of receiving notice
  - Property owners responsible for work on their property
- Connection Process
  - Install new lateral from house to street
  - Connect new lateral to sewer system
  - Decommission or repurpose septic system

# Septic System Reuse Options

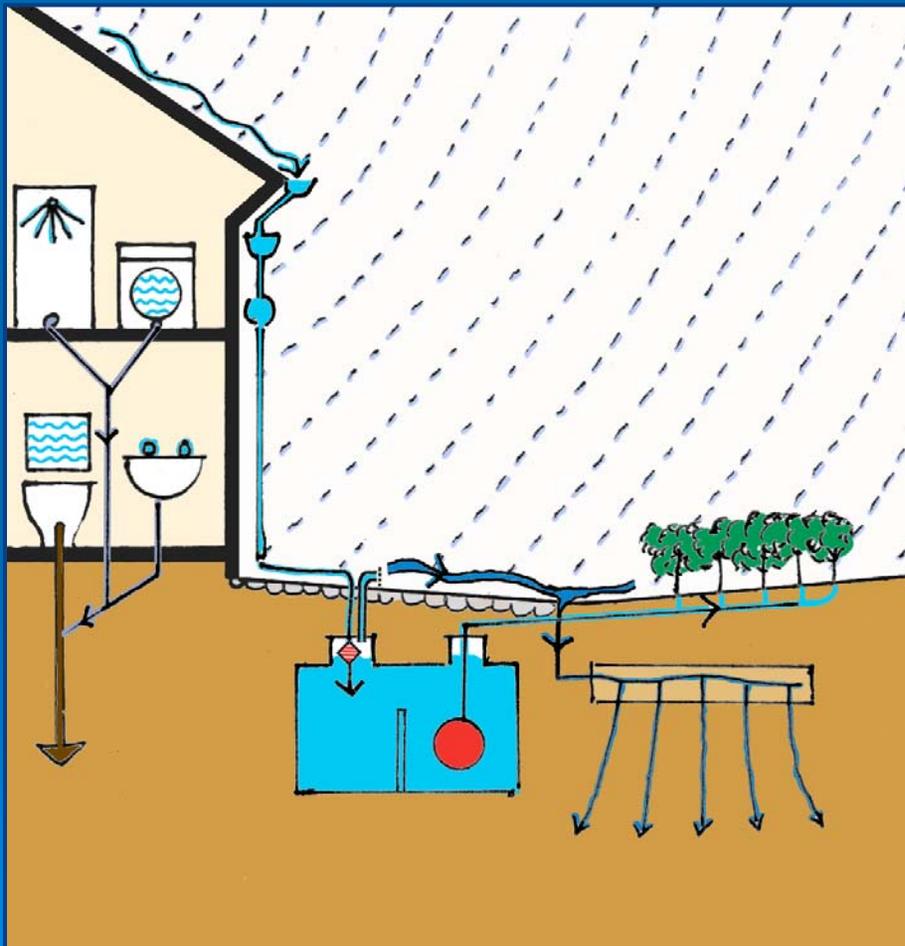
- SLO Green Building Council developing guidelines and outreach
- Options to reuse septic system for water sustainability
- Presentations planned for LOCAC and Board in Fall 2015
- Community reuse workshops beginning in January 2016

# Stormwater Capture for Infiltration



<b>Benefits</b>	<b>Effectiveness Rating</b>
<b>Reduce Runoff</b>	<i>Directing stormwater into the tank reduces community drainage cost by minimizing water that flows off your site</i>
<b>Recharge Ground Water</b>	<i>Allows greater infiltration on your property, which increases soil moisture and ground water recharge</i>
<b>Improve Water Quality</b>	<i>Reduces turbulence and captures sediment and pollution through settlement in tank</i>
<b>Conserve Water</b>	<i>Can reduce irrigation needs by increasing soil moisture for appropriate planting near tank &amp; leach field</i>

# Rainwater Harvesting for Irrigation

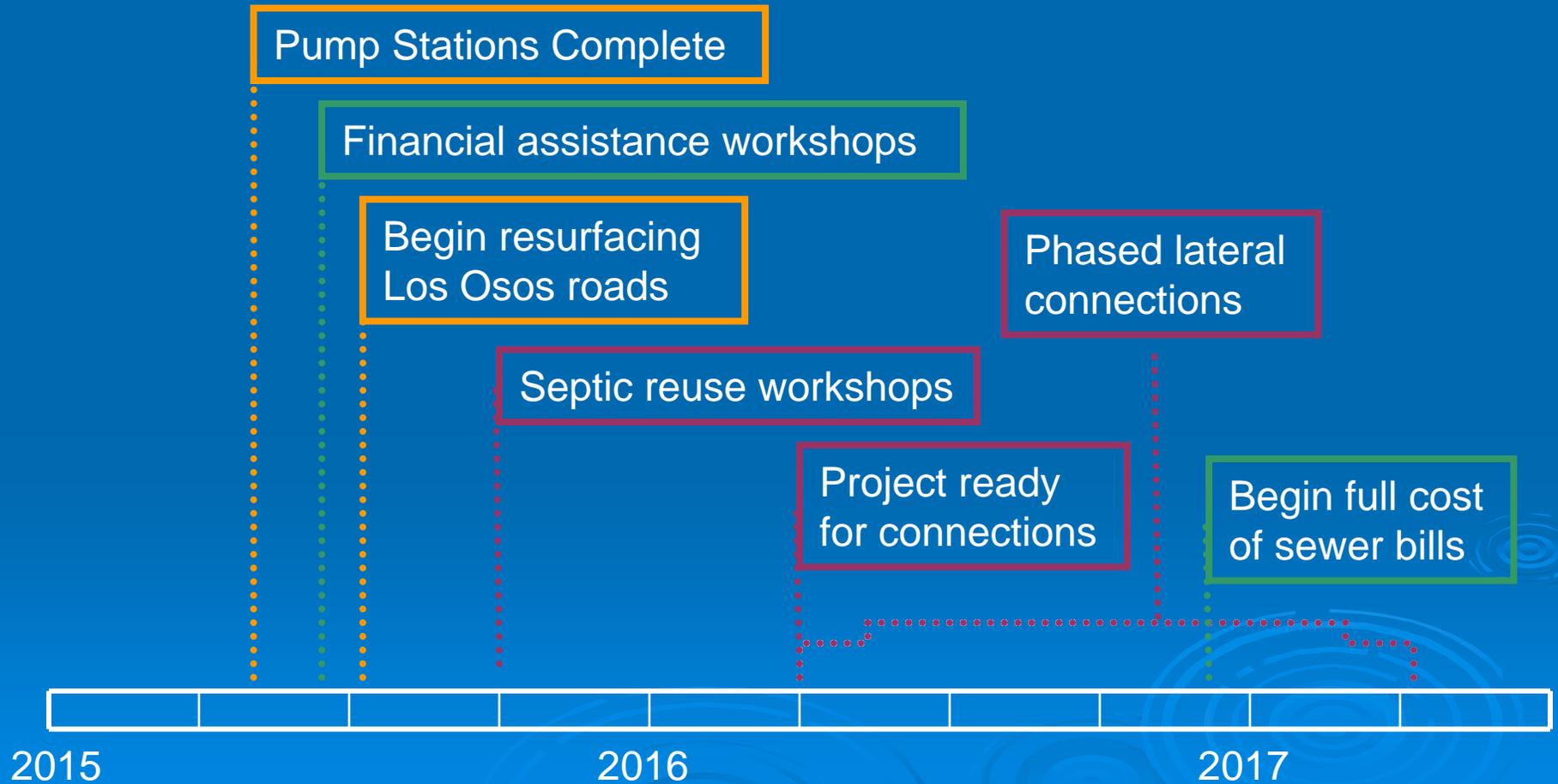


<b>Benefits</b>	<b>Effectiveness Rating</b>
<b>Reduce Runoff</b>	<i>Less turbulent flow on your lot allows greater stormwater capture by directing rainwater from roof to cistern</i>
<b>Recharge Ground Water</b>	<i>Water used in irrigation and captured by leach field infiltrates into ground water</i>
<b>Improve Water Quality</b>	<i>First flush and filter components increase water quality by eliminating ground contact and blocking debris from roof</i>
<b>Conserve Water</b>	<i>Harvested rainwater via the cistern reduces the use of potable water for irrigation</i>

# Financial Assistance for Low Income Residents

- Lateral connections grants and loans
  - USDA 504 program
  - Locally administered grant funds
- Project cost savings
  - Property tax postponement program
  - Service charges discount
- Financial assistance workshops
  - Eligibility and application guidance

# Upcoming Milestones and Activities



# Questions?



# Habitat Management Plan - Coastal Development Permit

- Special Condition 3
  - Requires HMP to Restore, Enhance, and Monitor:
    - Mid Town, Pump Stations, WRF (County staff)
    - Broderson (Kevin Merk Associates, LLC)
- Special Condition 3b
  - HMP must be implemented concurrent with construction of the LOWWP

# Location Map



# Broderson Site



# Broderson Infiltration Area



- The 8-acres restored with native plants
- Requires regular weed abatement



# Remaining Broderson Restoration

- 15 acres of additional restoration
- Remove invasive veldt grass
- Restore with native plant species
- Maintain 80 acre site
- Monitoring and reporting



# Scope of Work

## ➤ Key scope items

- Habitat Restoration and Enhancement
- Maintenance
- Data Collection and Monitoring
- Reporting
- Seed Collection

# Recommended Action

- Approve Agreement for Professional Services with Kevin Merk Associates, LLC in an amount not to exceed \$435,992; and
- Authorize the Director of Public Works to sign amendments to the contract in an amount not to exceed the contingency amount of \$43,599.