

LOS OSOS
WASTEWATER
PROJECT

PUBLIC FORUM



FEBRUARY 26

4-5:30 PM or 7-8:30 PM

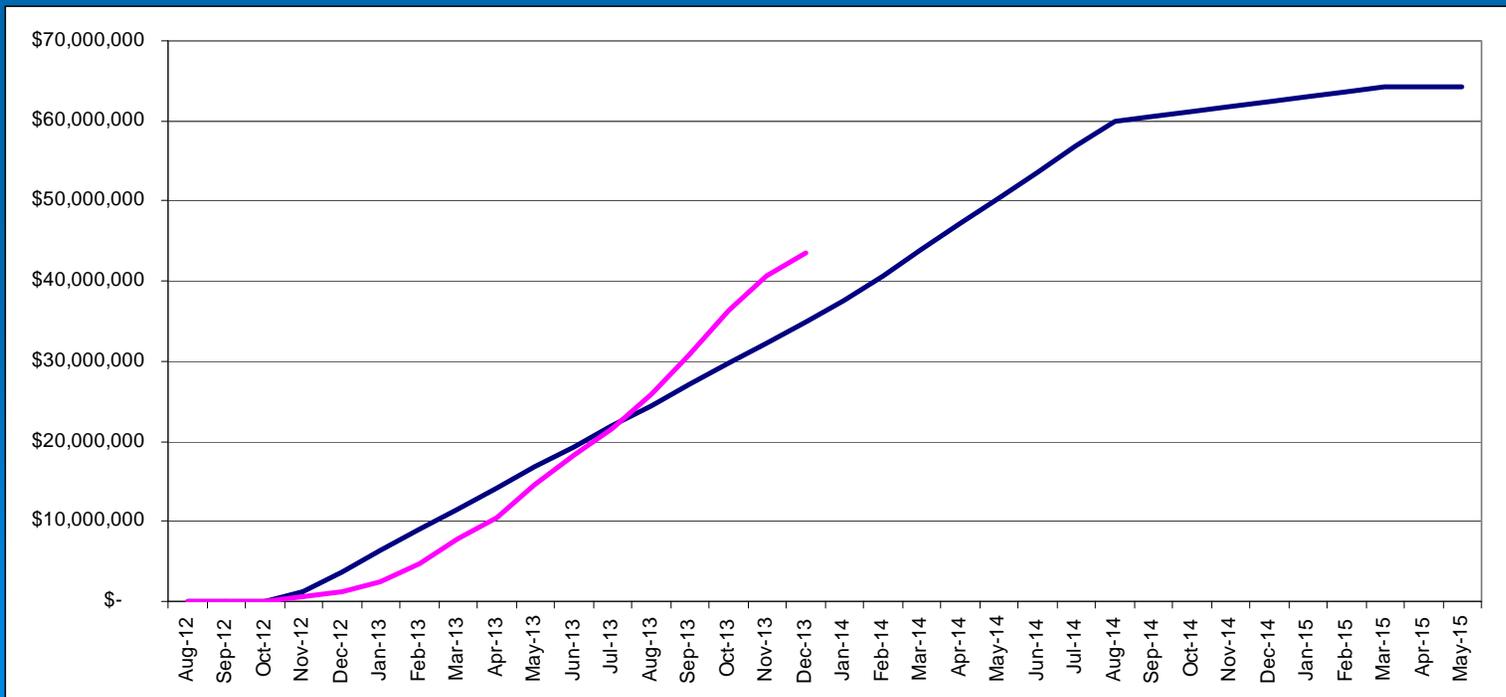


Presentation Summary

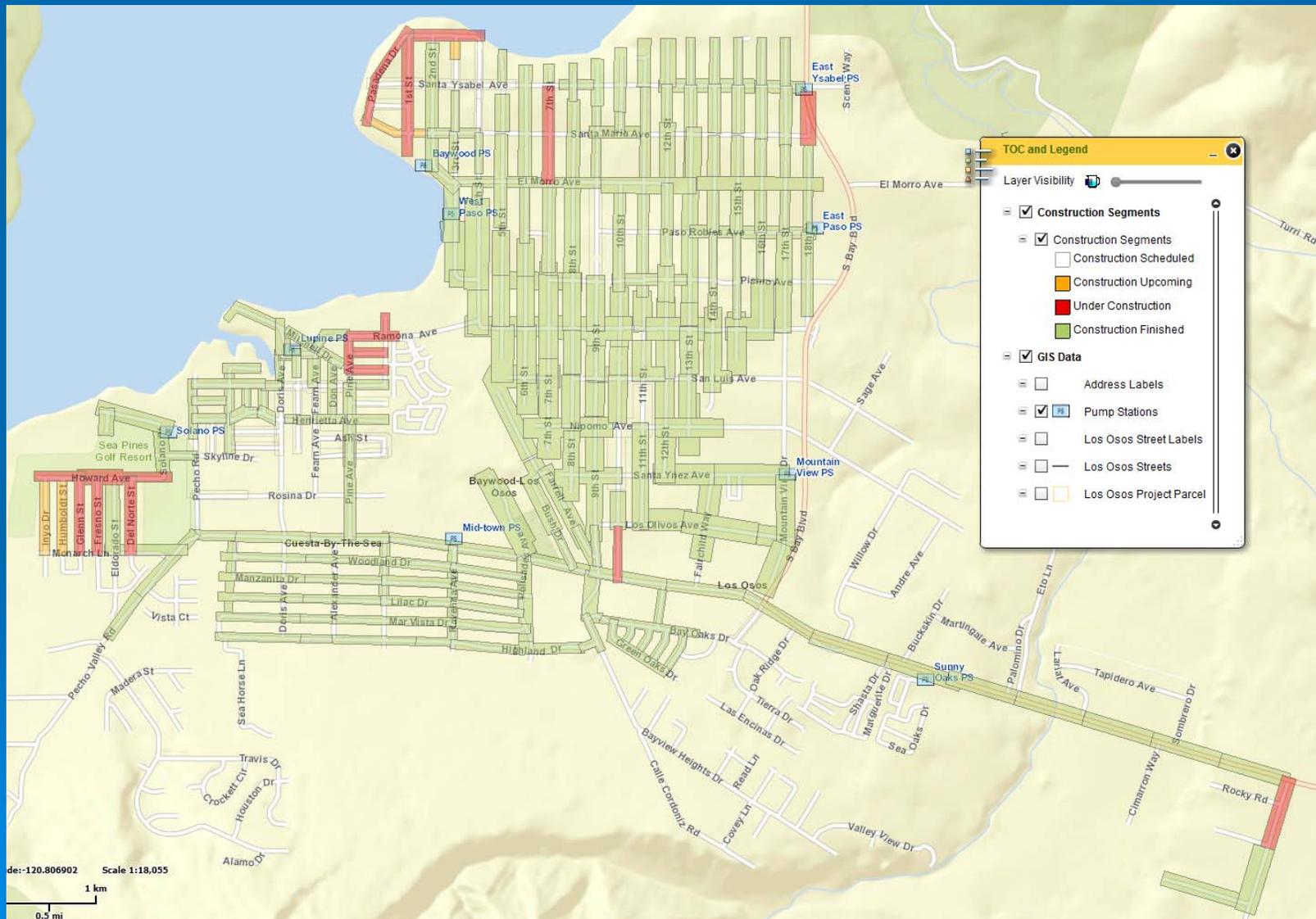
- Project Update
 - Construction progress and schedule
 - Water conservation program
 - Cost update
- On-lot lateral connections
 - Schedule and outreach
 - Financial assistance planning
- Road improvements
 - LID drainage corrections
 - Planned resurfacing
 - Schedule

Construction Progress

Blocks/Segments completed	220
Total pipe laid	204,000 ft (39 mi)
Laterals installed	3,300



Construction Progress

















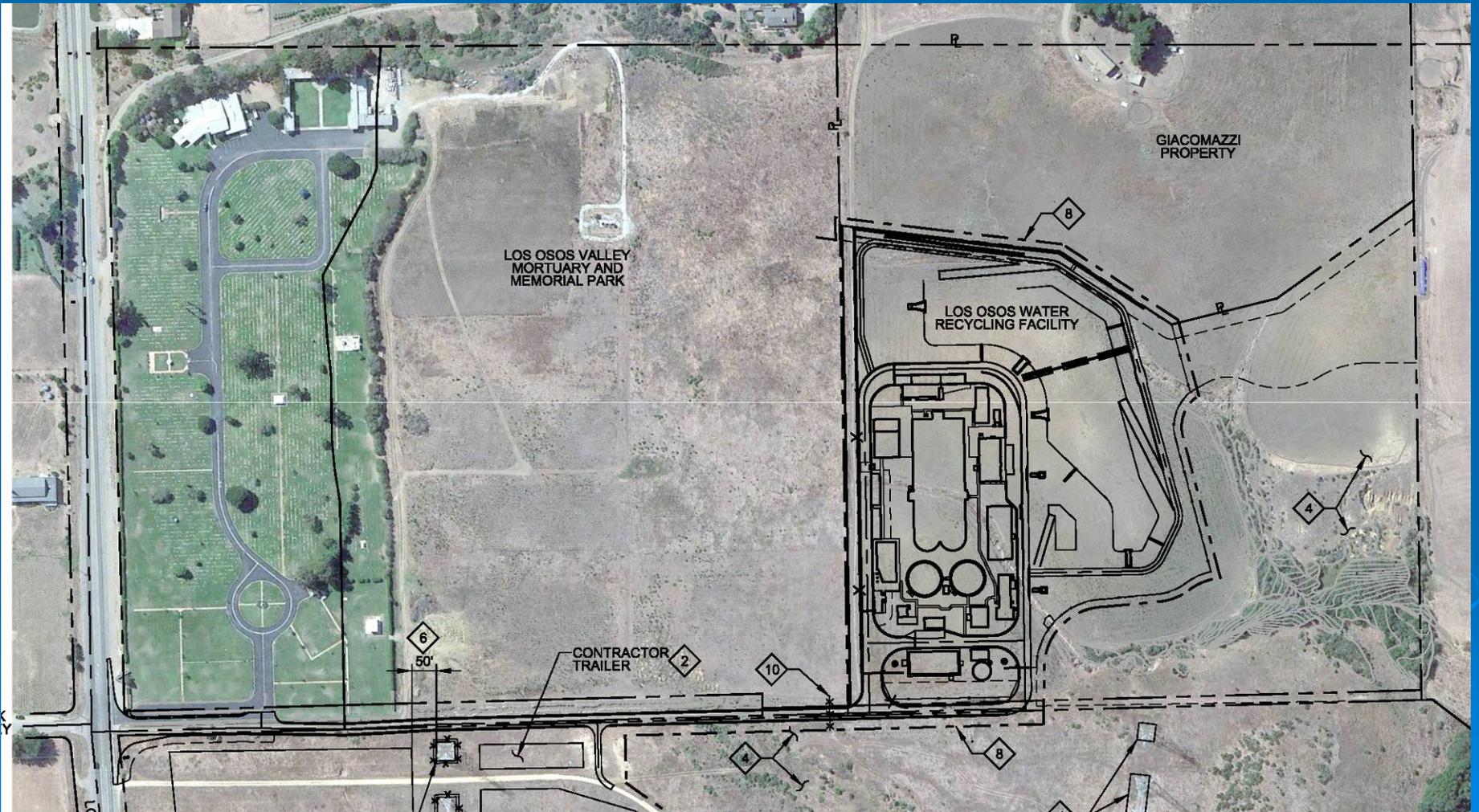
Public Outreach Program

- DigLosOsos nearing completion
- Ways to connect
 - www.DigLosOsos.com
 - 24/7 DigLine: 805-546-2802
 - Email: michelle@diglososos.com
 - Phone: 805-242-6815
 - Office Hours at 2025 10th Street: Thurs 9am – 11pm

Project Schedule Milestones

2014	<ul style="list-style-type: none">➤ Begin WRF construction➤ Complete pipeline contracts➤ Begin road resurfacing
2015	<ul style="list-style-type: none">➤ Complete pump stations contract➤ Pre-plan lateral connections
2016	<ul style="list-style-type: none">➤ Complete WRF construction➤ Begin lateral connections
2017	<ul style="list-style-type: none">➤ All properties connected➤ Levy full costs on property tax rolls

Water Recycling Facility



Water Recycling Facility

- New facility on vacant land
- 1.2 MGD capacity for planned growth
- Title 22 recycled water
 - 100% reuse of treated water
 - Return to groundwater basin at Broderson
 - Irrigate schools, parks, and farms
- 35 AF recycled water storage ponds

Water Recycling Facility



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Steven D. Pults, AIA & Associates, LLP

LOS OSOS WATER RECYCLING FACILITY PROJECT
VIEW FROM LOS VALLEY ROAD

carollo

Water Recycling Facility



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Water Recycling Facility



Water Conservation Program

Program Measure	Total to Date
Toilets replaced	2,106
Showerheads replaced	1,763
Faucets aerators replaced	2,429
Clothes washers replaced	35
Homes confirmed in compliance	1,900
Value of rebates issued	\$596,675

Water Saver Fixtures



Fixture or Appliance	Recommended for Service Area
Toilets – Residential and Commercial	>1.6 gpf with 1.28 gpf or less (required) 1.6 gpf with 1.0 gpf or less (optional)
Showerheads – Residential and Commercial	>2.0 gpm with 1.5 gpm or less
Faucet Aerators - Residential	1.5 or less
Faucet Aerators - Commercial	0.5 gpm
Urinals - Commercial	0.5 gpf
Pre-rinse Spray Valves - Commercial	1.15 gpm
Washers – Residential and Commercial	Tier 3, Water Factor 4

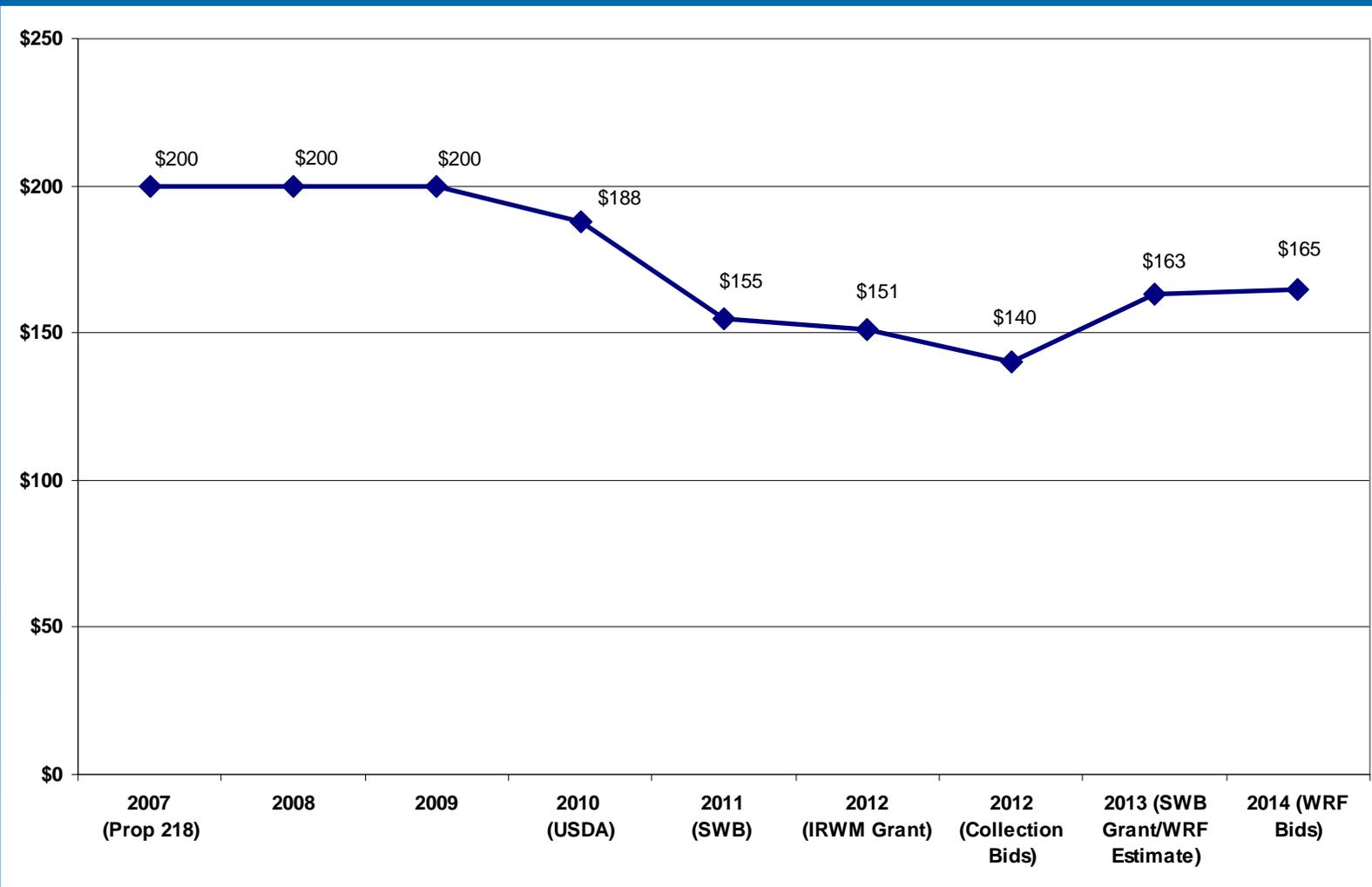
Water Conservation Program

Fixture Unit	2014	2015 – 2016
Toilets	\$250	\$160
Showerheads	\$40	\$30
Faucets	\$5	\$5
Clothes Washers (optional)	\$150	\$150
Alternative Measures (optional)	\$300	\$300

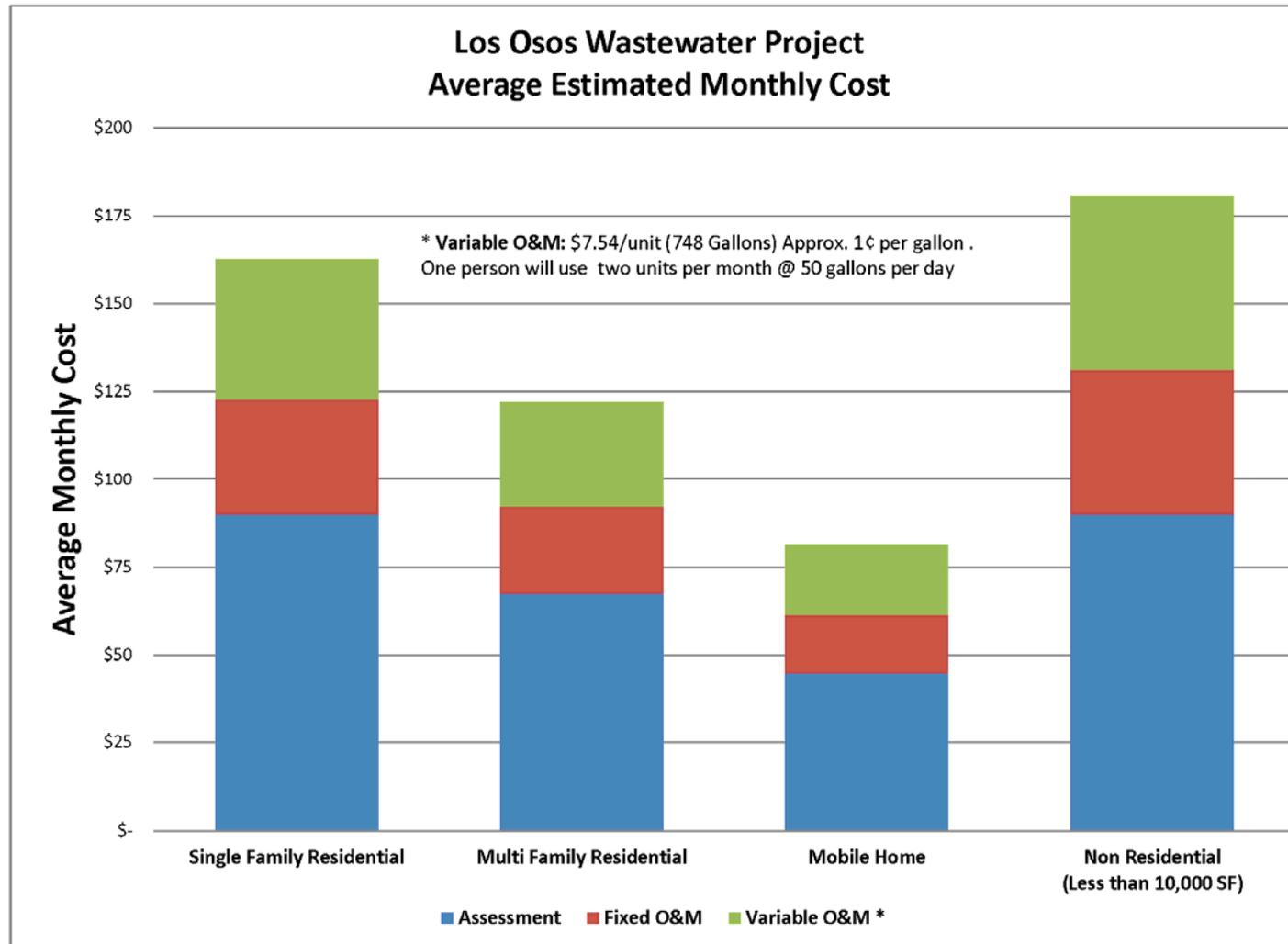
Project Funding

Funding Source	Amount
USDA loan/Interim Financing	\$83,129,000
SRF loan	\$78,708,416
Total Loans	\$161,837,416
USDA grant	\$4,061,000
SRF principal forgiveness/grant	\$7,500,000
DWR IRWM grant	\$5,945,444
SWB water recycling grant	\$4,000,000
SWB planning grant	\$35,963
Total Grants	\$21,542,407

Monthly Cost Estimates – Typical Single Family Residence



Monthly Cost Estimates



On-lot Lateral Connections

- Lateral connections begin in 2016
- Phased connection notices
- Allows 6 months from receiving notice
- Connection cost estimates
 - From \$2,000 to \$10,000+
 - Median cost approximately \$3,000
- Previously notified homes with grinder pumps

On-lot Lateral Connections

- Outreach beginning mid-2014
 - Encourage early preparations
 - Assist with planning LID and water conservation measures
 - Financial assistance
 - Streamline plumbing permit process
- Outreach program gives requirements and guidance

On-lot Lateral Financial Assistance

- USDA 504 Program – Loans and Grants
 - Low income criteria to qualify
 - Up to \$7,500 grant for over age 62
 - 20 year loan at 1% interest
- Federal CDBG and local funds for disadvantaged homeowners
- Morro Bay NEP funds to re-purpose septics for rainwater solutions
 - Partner with SLO Green Build

Road Improvements

- LID Drainage correctections – by County crews
 - 18 sites completed
- Road reconstruction with pipeline work
 - Approximately 6 miles of full width paving
- Trench patch with pipeline work
 - Approximately 36 miles
 - Full width resurfacing planned

LID Drainage Corrections

Mini Basins



Establish Flow Lines



Underground Storage

Upcoming Road Improvements

- Spot road rehabilitation
 - Remove and replace small areas of road failure
 - Done by County crews
- Pavement overlay of primary roads
 - Done by construction contract
- Micro-surfacing of neighborhood streets
 - Done by construction contract

Pavement Overlay



Micro-Surfacing



Road Restoration Plan

- Full Width Reconstruction
- Planned Overlay
- Planned Surface Treatment
- - - - No Treatment
- - - - County Maintained Gravel Roads
- - - - Non-County Maintained Roads



Questions?