



Welcome

Leadership Laguna Citizen's Academy

Water Quality Department
May 19, 2016



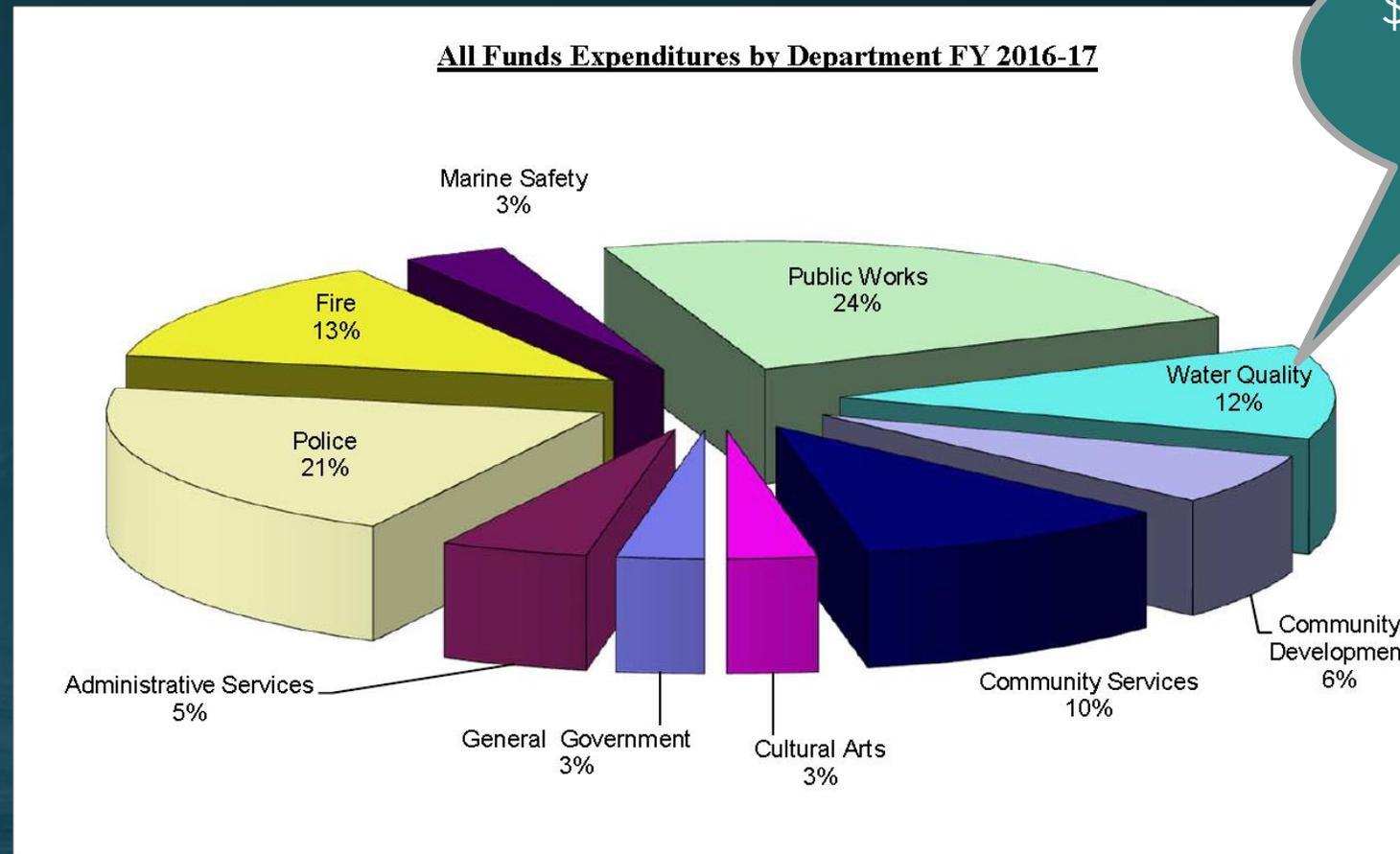
Water Quality Department

- Department Created in 2003
- Wastewater and Water Quality Divisions
 - 15 Staff Members
- Sewer Service to about 8500 properties
- Service Area ~ Irvine Cove to Cardinal Drive (Black Iris)
& North to the Club Laguna
- Sewer System Management Plan



Water Quality Department

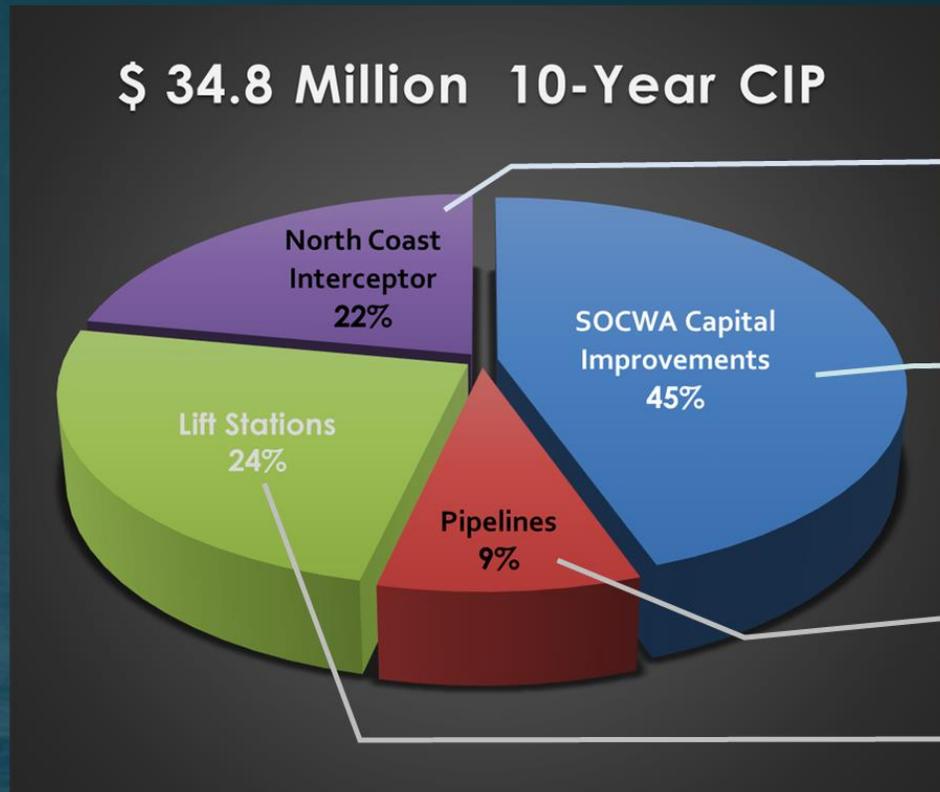
- Together = Approx 12% of the City's Budget



\$5.6M O & M
+
\$3M CIP

Water Quality Department

Capital Improvement Projects



\$7.6 Million – North Coast Interceptor
\$5M Aliso Creek Realignment w/ SCWD
\$2.6M SOCWA Lift Stations

\$15.5 Million – SOCWA Capital Imps.
@ 45% of 10-Year Program Budget

\$3.1 Million – Pipeline/ Repairs/Video
Inspection

\$8.5 Million – Lift Stations Rehab



Completed Highlights

- ✓ Reconstructed 2500 feet of sewer in the downtown.
- ✓ Emergency power System for the Nyes Place, and Victoria I & II lift stations
- ✓ Replaced Automated Transfer Switch at both SOCWA Lift Stations
- ✓ **Reconstructed Shaw's Cove lift station and providing emergency power to Fisherman's Cove lift station.**
- ✓ Relocating quick-connect receptacle to roadway at Irvine Cove for emergency power
- ✓ **Rehabilitation of the Bluebird SOCWA Lift Station**
- ✓ Hidden Valley Sewer System Access Improvements
- ✓ **Reconstruction of the Main Beach Lift Station**
- ✓ **Replacing the Rockledge sewer main system and sewer lift station**

Improvement Projects in Active Phases:

- ❑ Third & Forest Street Pipeline Project – Punch List
- ❑ Laguna SOCWA Wet Well Rehab – Prep for 7/16 Bid (Long Lead Procurement)
- ❑ Rehab of Victoria I Lift Station - Design
- ❑ Rehabilitating manholes in Coast Highway – Fall Construction



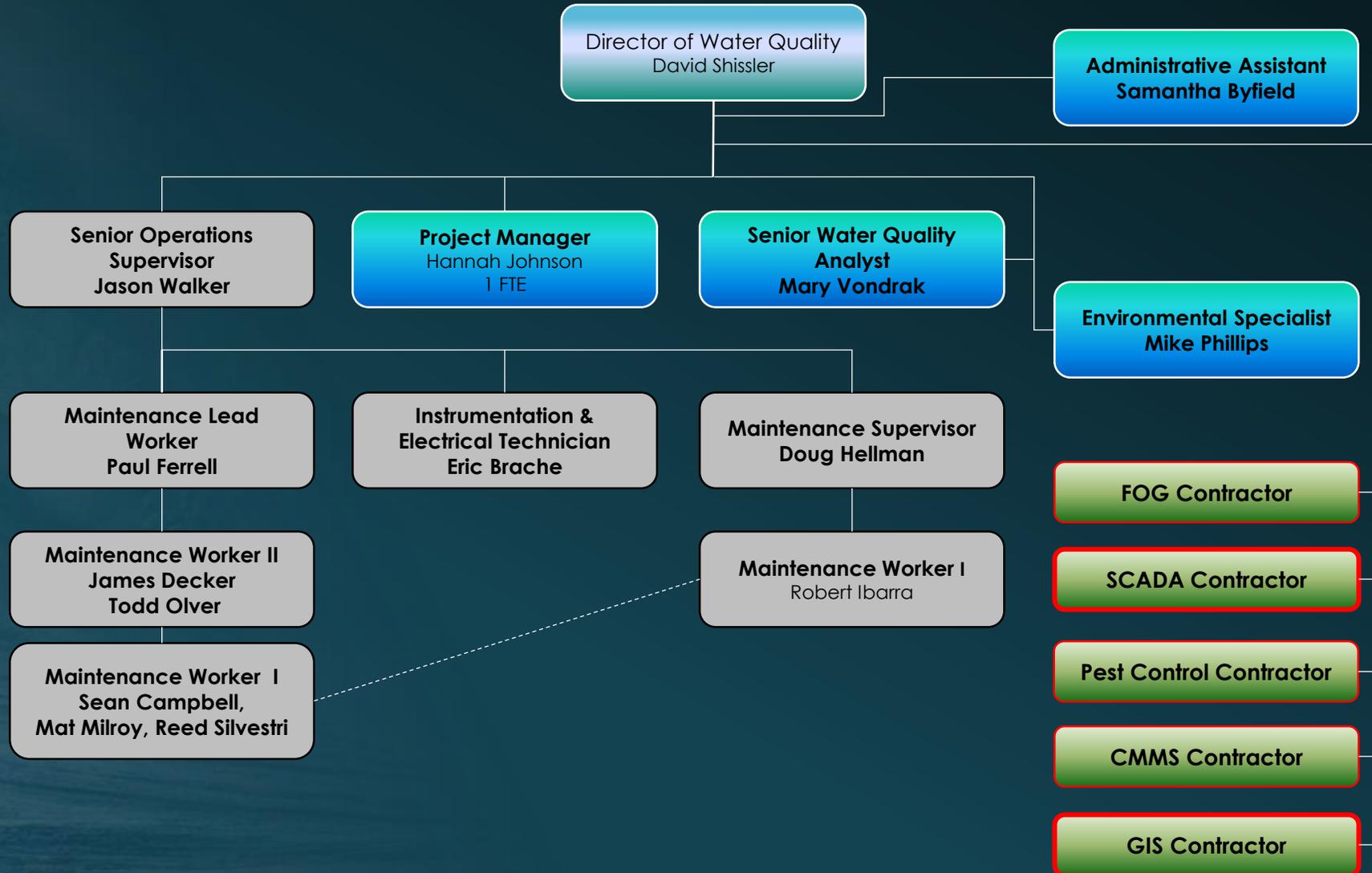


Water Quality Department

- Regulatory Compliance
 - Air Quality Management District
 - Orange County Health Care Agency – Rec 1 Water Testing
 - Underground Tank Inspections → County Haz
 - OSHA – Occupational Safety & Health Administration
 - Design, Operations,
 - Regional Water Quality Control Board
 - NPDES – National Pollution Discharge Elimination System Copermittees
 - Fireworks Permit
 - State Water Resources Control Board
 - Waste Discharge Req's
 - **Area of Special Biological Significance**

Water Quality Department - Organizational Chart

Wastewater and Water Quality Divisions



Wastewater Division

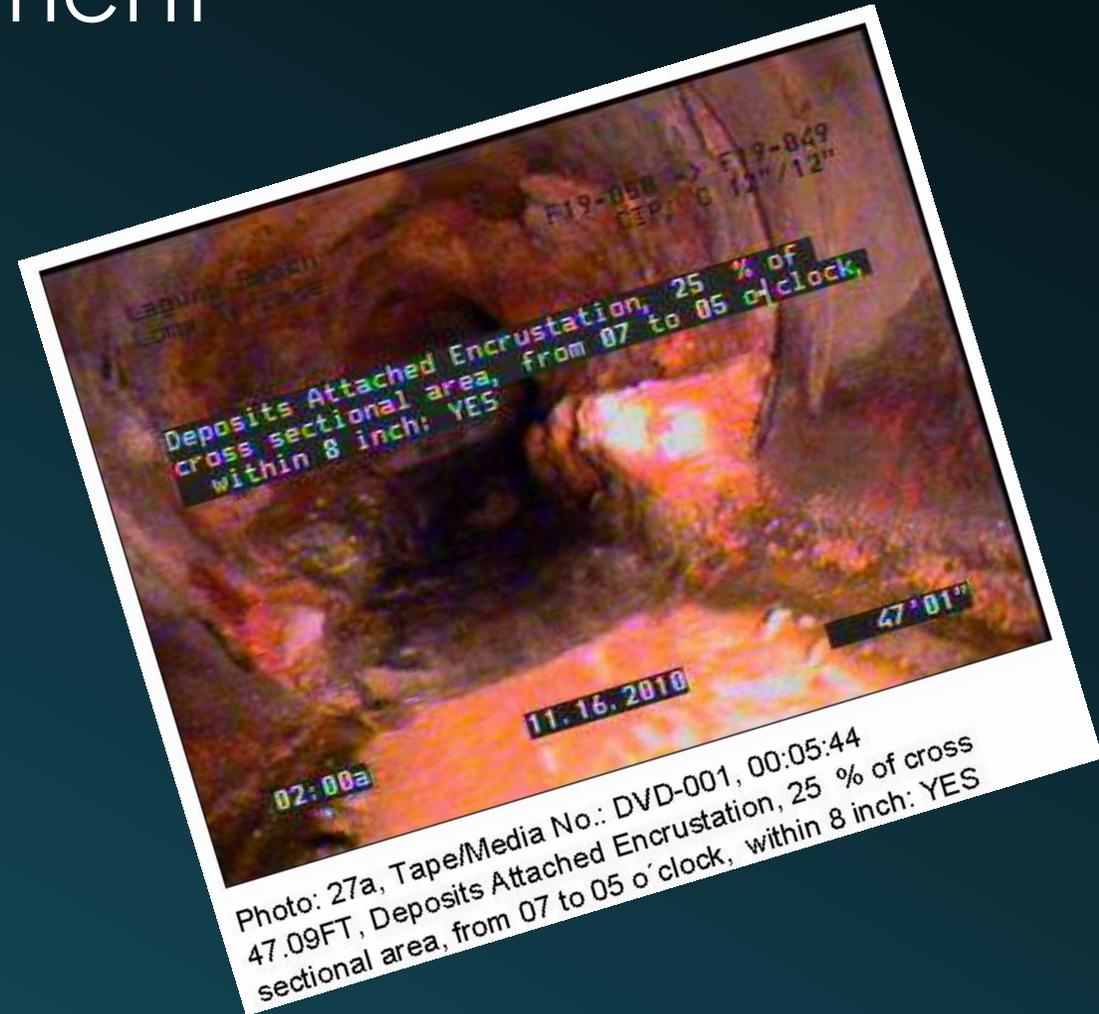


- **Rolling Stock**
 - 2-Vactors
 - 2-HD Utility
 - 2 LD Utility
 - 1-Rodder Truck
 - 2-Emergency Generators
 - 2-Sm 911 Pumps
 - 1-Lg 911 Pump

Water Quality Department

“Only in Laguna “

OPERATING in Laguna





Water Quality Department

Operating in Laguna

- Laguna Beach Presents Many Challenges
 - Age and Village Charm – Developments Decades Apart
 - Topography
 - Canyons and Multiple Watersheds
 - Ocean Protection
 - Travel Time Between Facilities

Wastewater Division

- **Four Major Components of Sewer Systems**



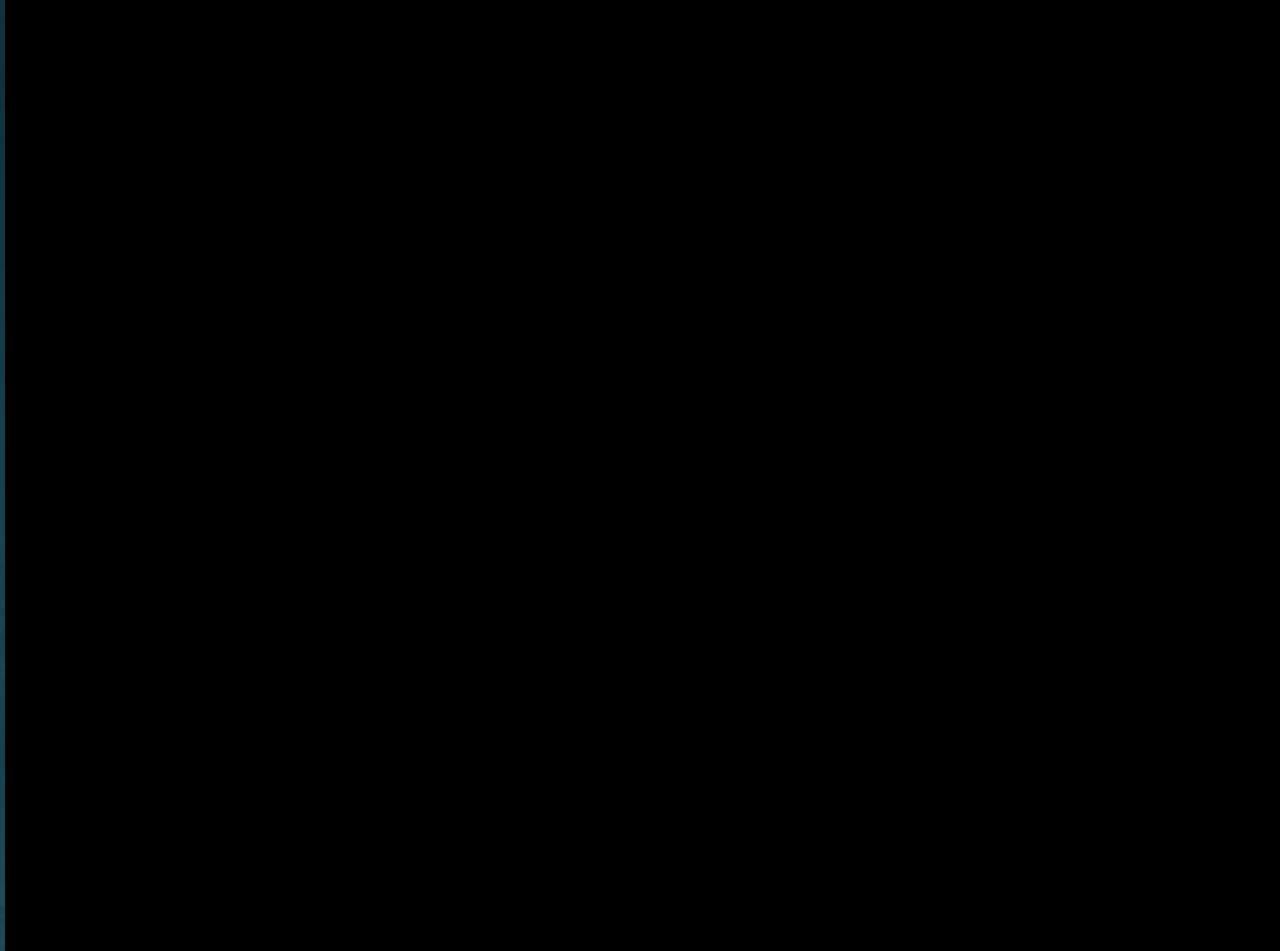
Collection System
Transmission System
Lift Station System
Treatment System

Wastewater Division



- **Four Major Components of Sewer Systems**
 - **Collection System**
 - Sewer Service Boundary → About 8,538 Users
 - Collection System Pipes from 18 to 6 inches
 - 17 Miles lined → Pipe-in-a-Pipe
 - 121 Miles of Pipe Cleaned Every Year
 - Downtown – 4x per Year → Grease
 - Root Prone Areas – 2x per Year → Root Study
 - Once per year minimum and as needed
 - Post Inspection
 - Post Spill

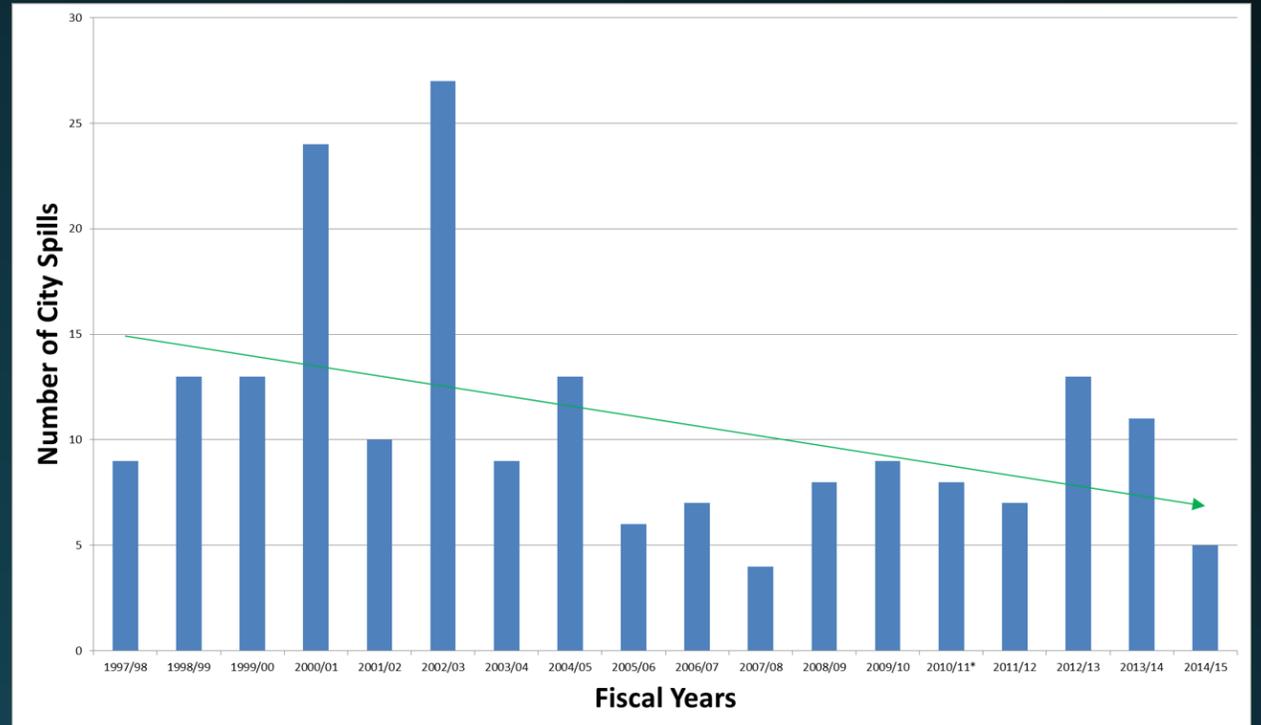
Private Lateral Roots



Cleaning Operations

Reducing Spills

- 121 Miles per Year
- Backcountry Lines
- 4x Year Downtown
2x Root Prone Areas
- 25 Wet Wells
- 25 - Urban Water
Diversions



Wastewater Division

- **Four Major Components of Sewer Systems**

Collection System

Transmission System

Lift Station System

Treatment System



Air/Vacuum Release
Valve Installation

Transmission System





○ Lift Stations
Flowing to Laguna
SOCWA

○ Lift Stations
Flowing to Bluebird
SOCWA

Laguna
Canyon Road

City
Hall

SOCWA
Coastal Treatment
Plant

Coast Highway
@ Irvine Cove

Country
Club Drive

25 Lift Stations

⊗ Laguna SOCWA

⊗ Bluebird SOCWA





 **Air / Vacuum Release Valves**



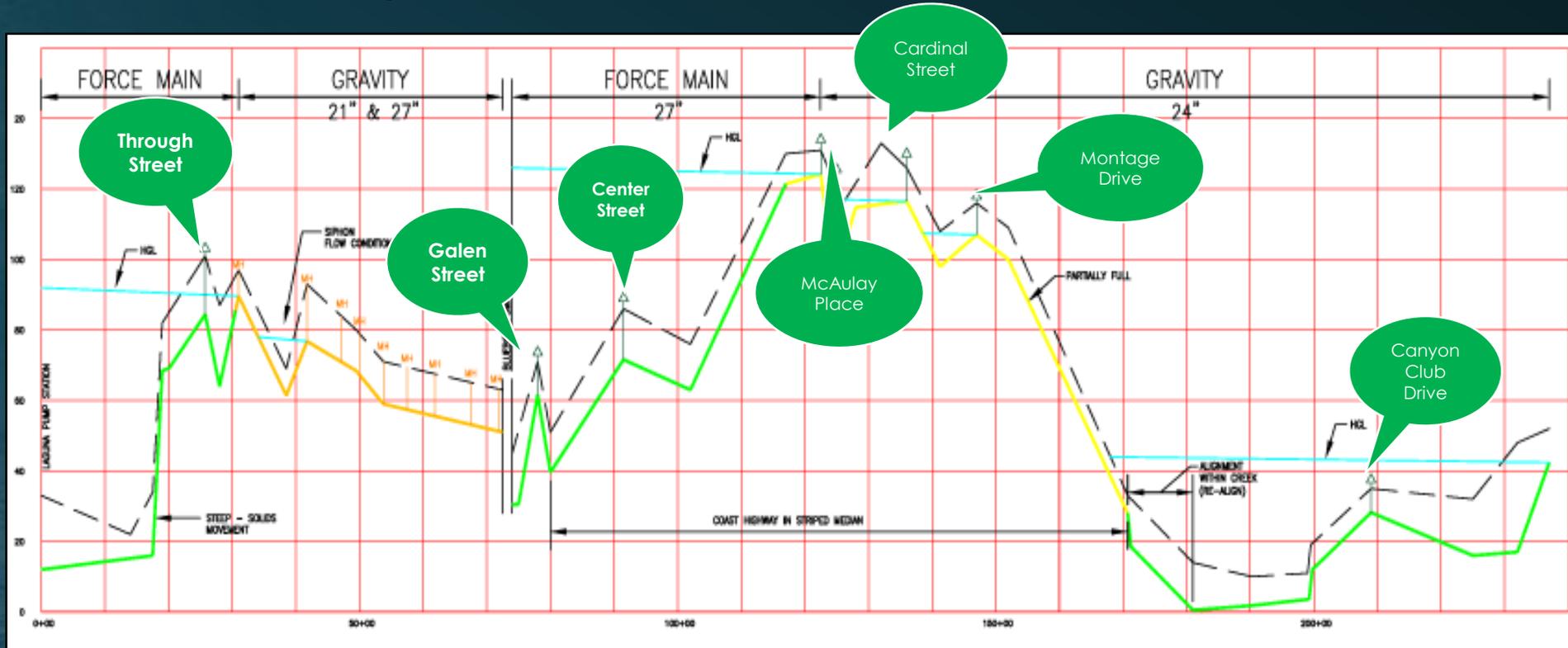
-  Lift Station Flowing to Laguna SOCWA
-  Lift Station Flowing to Bluebird SOCWA

SOCWA Coastal Treatment Plant

-  Laguna SOCWA
-  Bluebird SOCWA

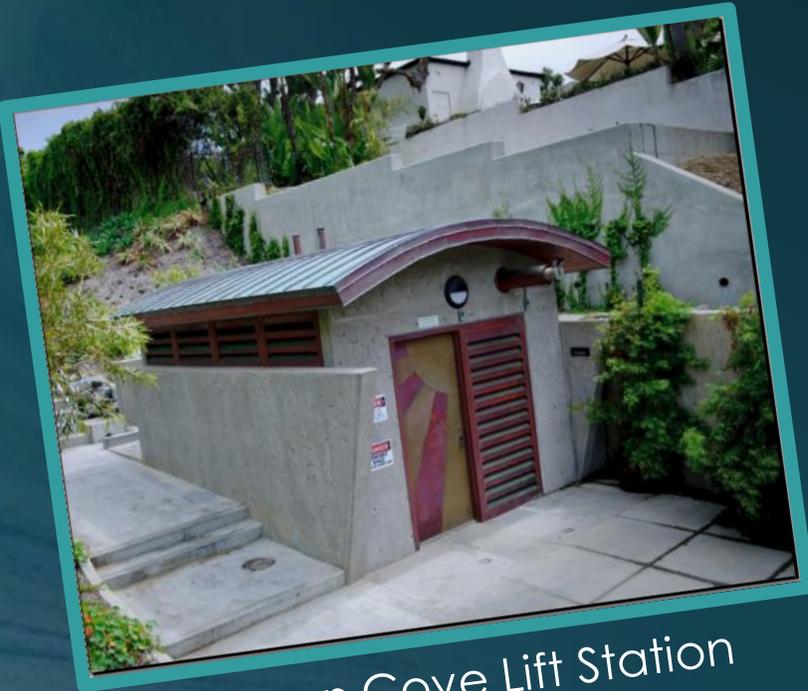
Transmission System - Profile

Seven High Points along the North Coast Interceptor - Air/ Vacuum Release Vaults



Wastewater Division

- **Four Major Components of Sewer Systems**
 - Collection System
 - Transmission System
 - **Lift Station System – 25!**
 - Treatment System



Shaws Cove Lift Station

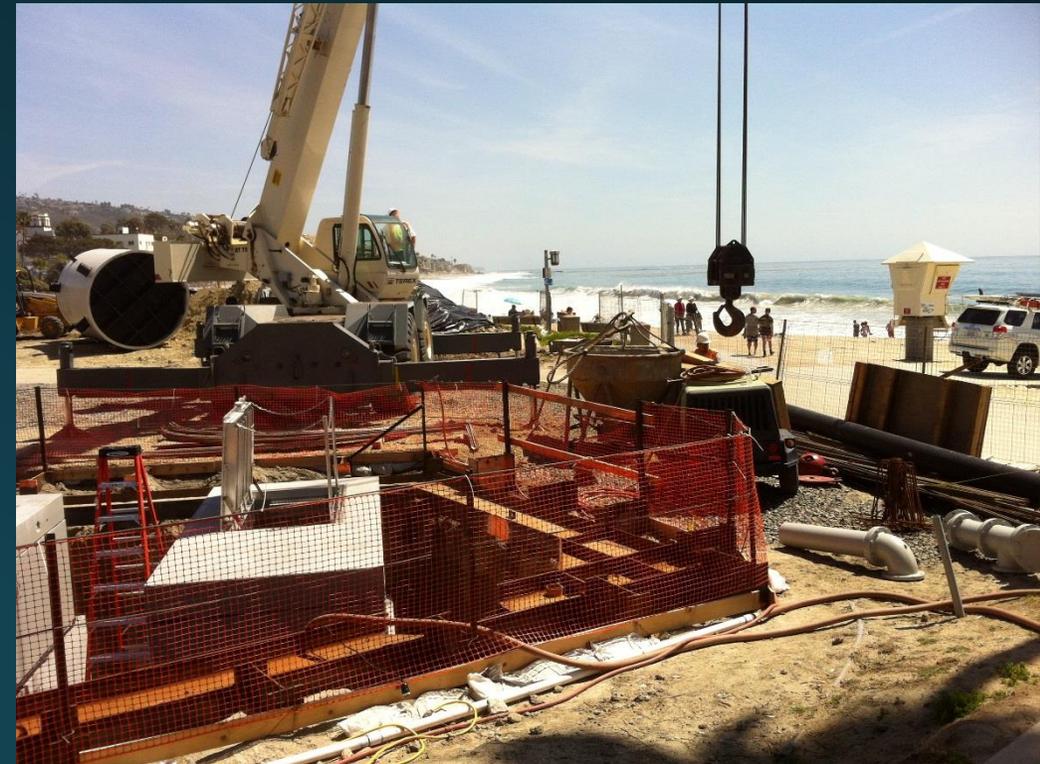


Cleo Street Lift Station

Wastewater Division

Four Major Components - Sewer Systems

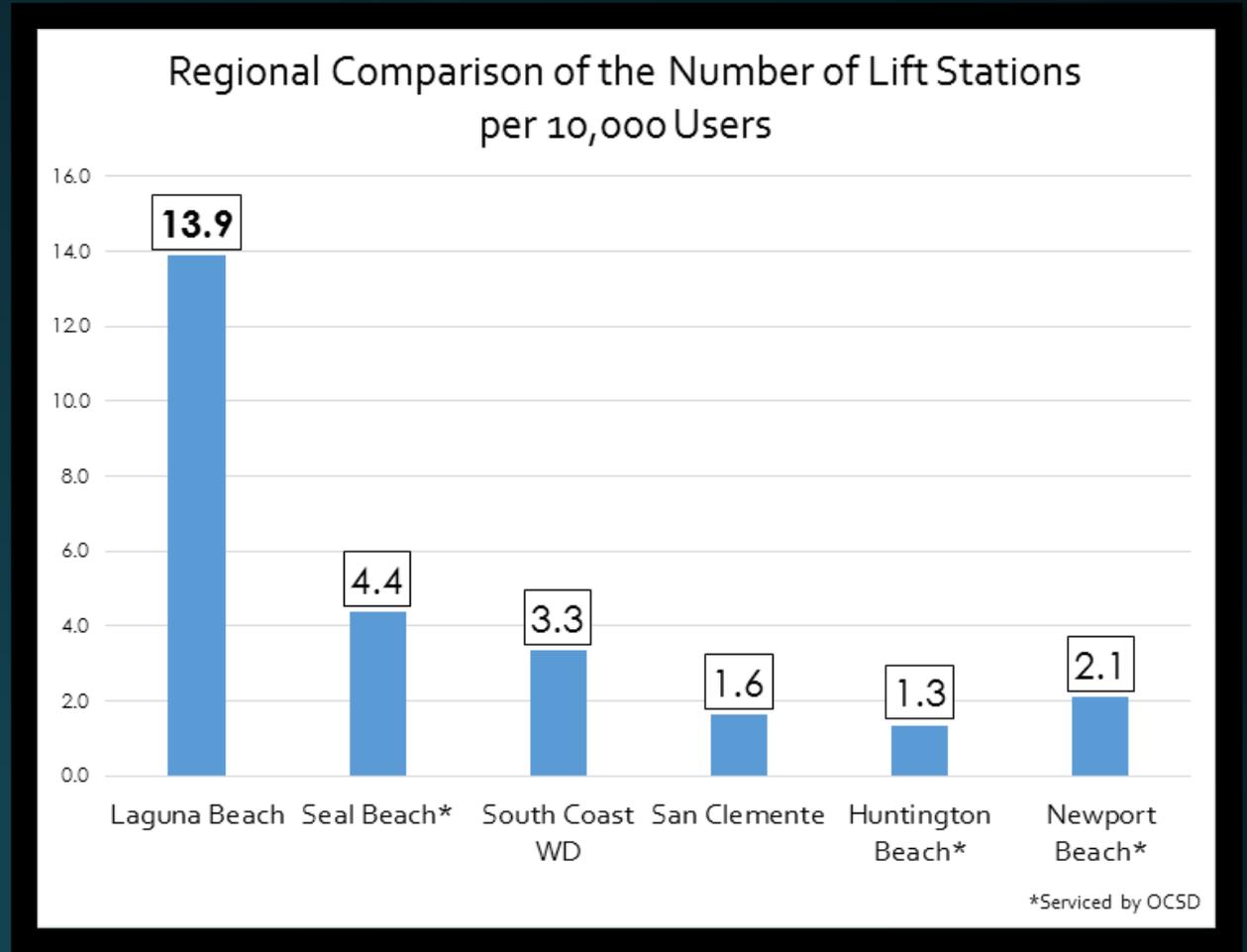
Lift Station System very OILy? !



Lift Station Comparisons

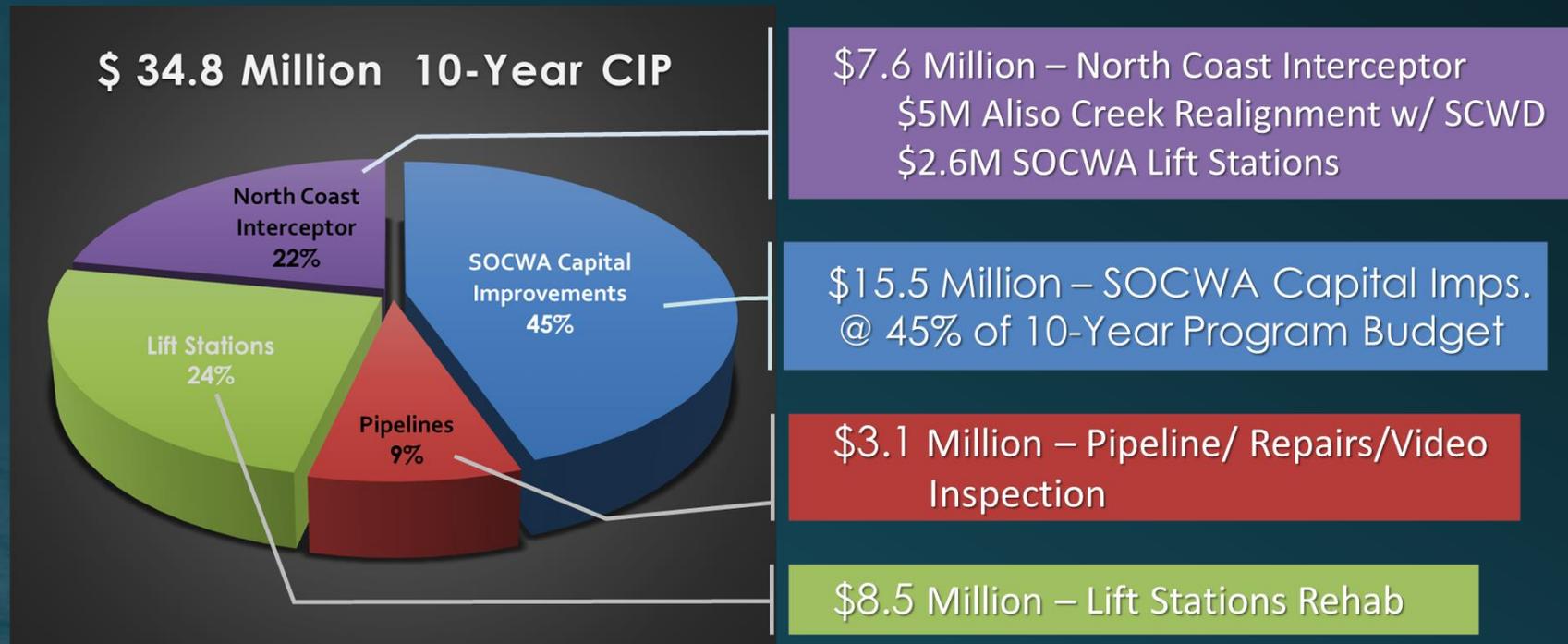
Extreme Terrain

- 25 Lift Stations
- Backcountry Lines
- 16 Lift Stations – Along Coast
- Access & Summer Traffic
- Odor Control ~ More problems from Drought



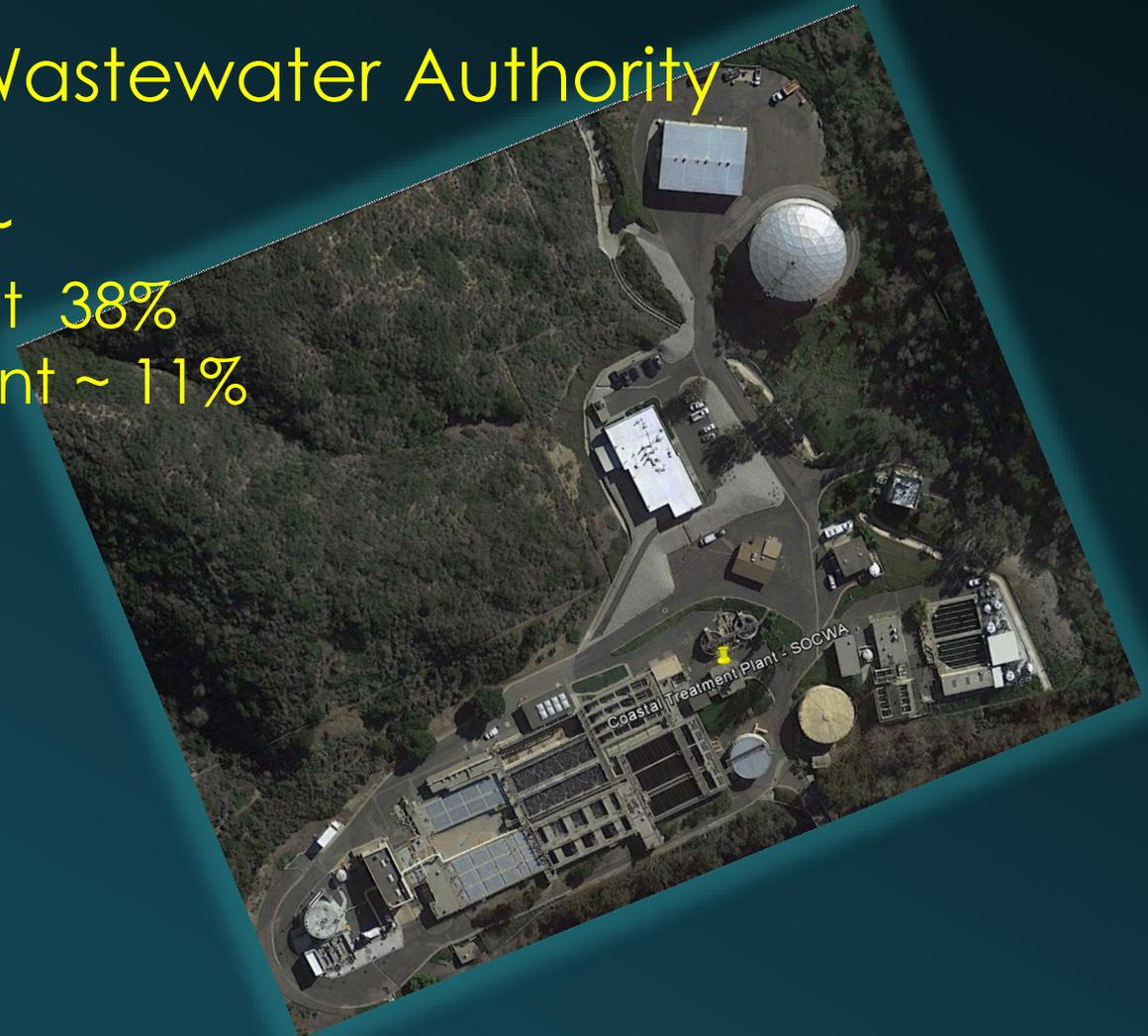
Wastewater Division

- **Four Major Components of Sewer Systems**
 - **Treatment System**



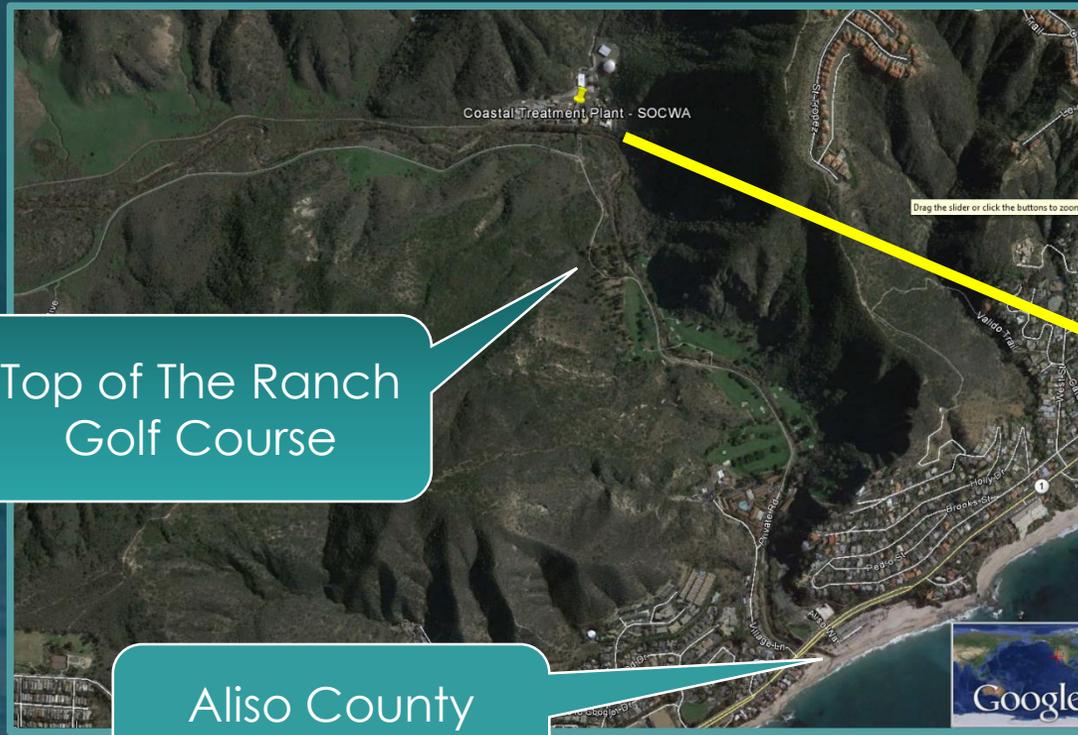
Water Quality Department

- South Orange County Wastewater Authority
 - Joint Powers Authority~
 - Coastal Treatment Plant 38%
 - Regional Treatment Plant ~ 11%
 - Also Ocean Outfall ~ 11%
 - Emerald Bay
Cost Share ~ 4% to City



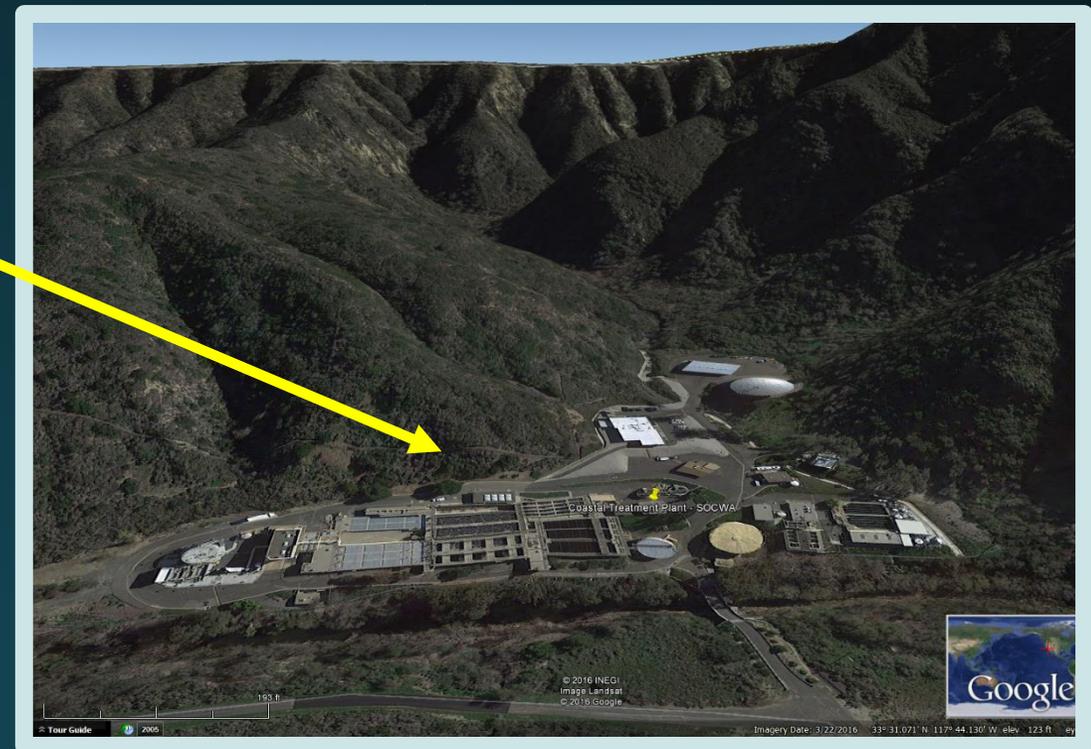
Wastewater Division

SOCWA - Coastal Treatment Plant Location



Top of The Ranch
Golf Course

Aliso County
Beach



SOCWA Capital Improvements

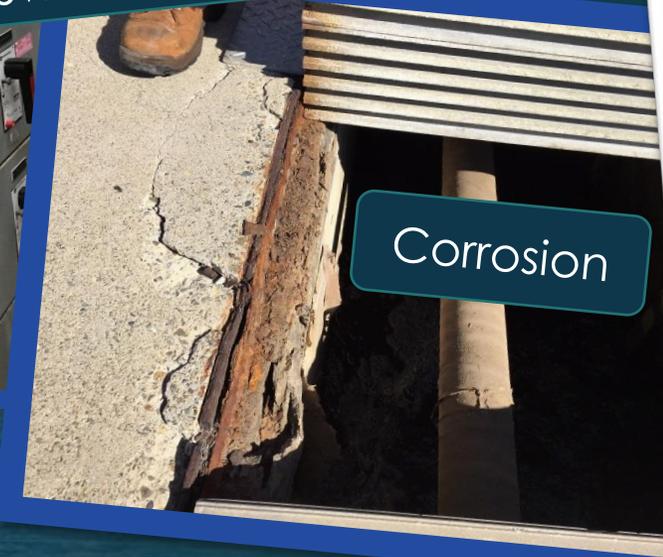
\$15.5 Million

\$9.7 M - First Four Years

Average ~ \$1M each year after



Electrical
Switch Gear



Corrosion



Tank Age



Structural
Rehab &
Replacements

Wastewater Division – Only In Laguna

- ~~Four~~ **FIVE Major Components of Sewer Systems**

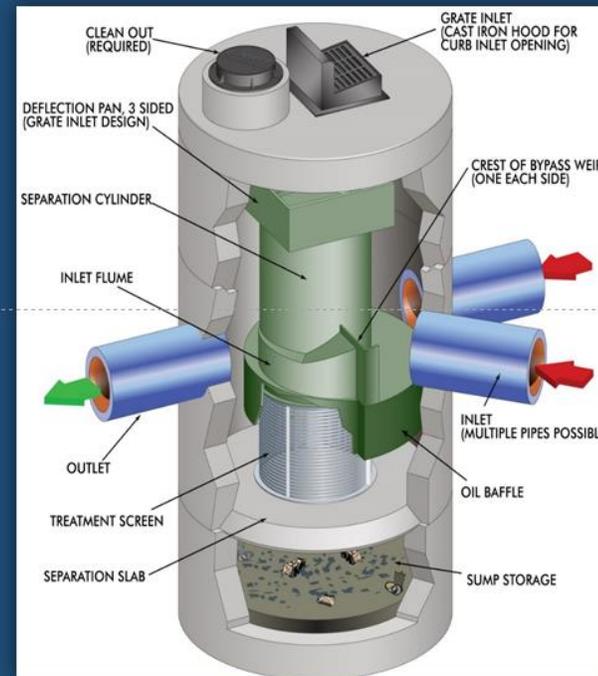
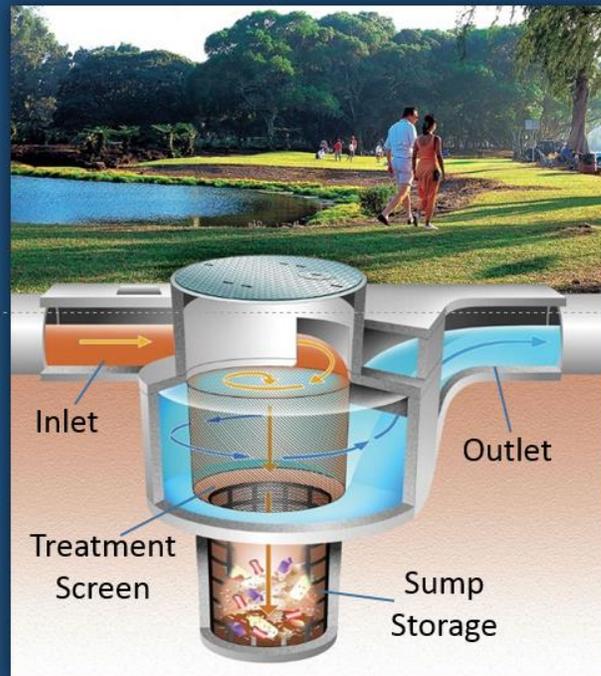
- Collection System
- Transmission System
- Lift Station System
- Treatment System
- **Urban Water Diversions**

OCEAN
PROTECTION
MEP -

Urban Water Diversions

The 5th Component

City of Laguna Beach Urban Runoff Diversions

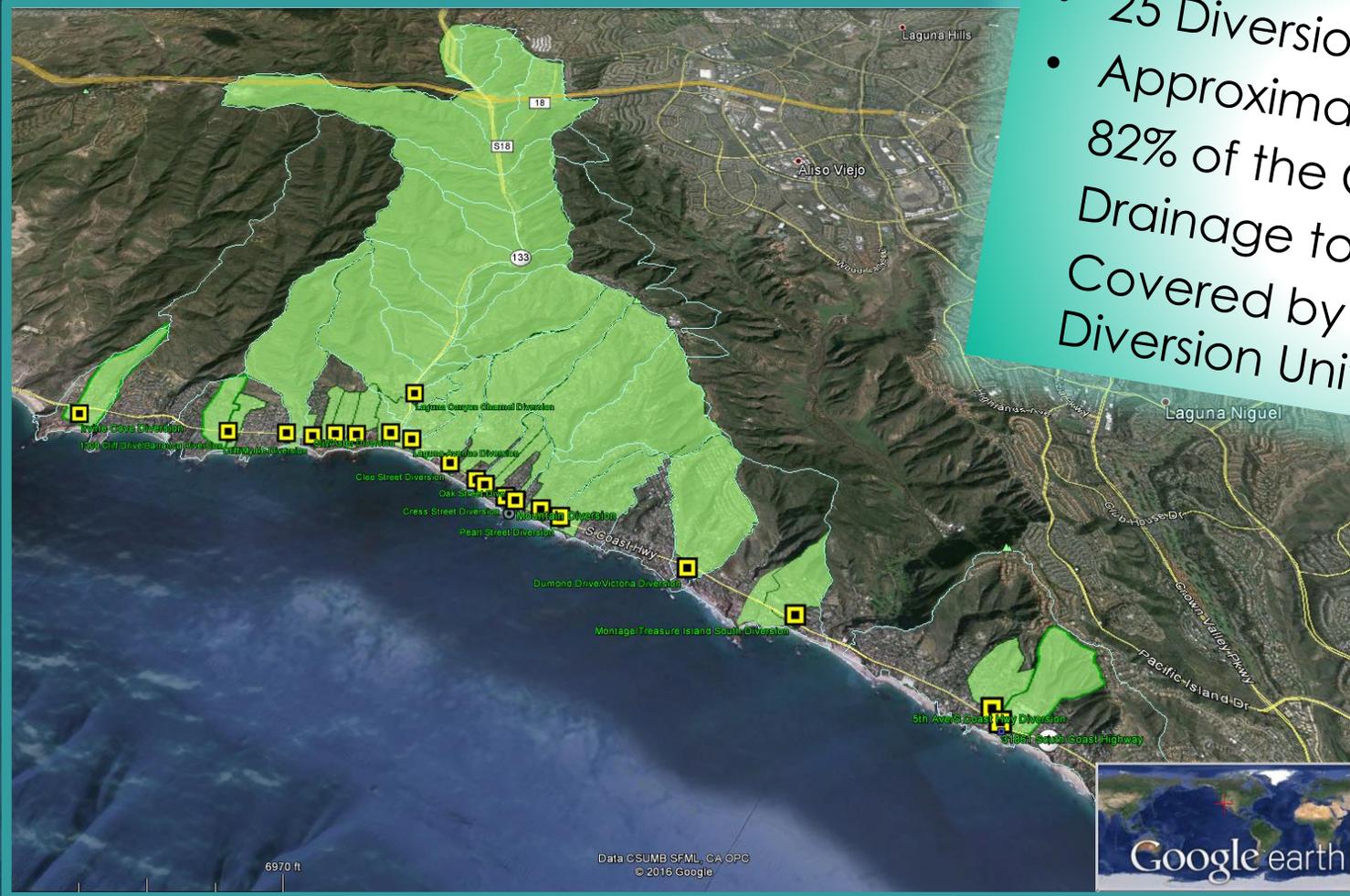


These structures are installed in 16* of the City's 25 diversion locations.

Urban Water Diversions

The 5th Component

- 25 Diversions
- Approximately 82% of the City's Drainage to the Beach Covered by Urban Water Diversion Units



Water Quality – Office Team

Administrative Assistant
Samantha Byfield

Water Quality Division

Senior Water Quality Analyst
Mary Vondrak

Environmental Specialist
Mike Phillips

Wastewater Division

Project Manager
Hannah Johnson



Water Quality Department

- **Liaisons and Committees**

- **County of Orange** – Inspection / General Permittee
- **Environmental Sustainability Committee**
- **SOCWA** - Engineering Committee at South Orange County Wastewater Authority
- **SCWD** - South Laguna Water and Sewer Committee @ South Coast Water District
- **SOCWMA** - South Orange County Watershed Management Area – Management Subcommittee and Alternate to Executive Committee
- **SONGS** – San Onofre Closure & Policy Monitoring
- **Army Corp of Engineers** – Aliso Creek Ecosystem Restoration Study Monitoring



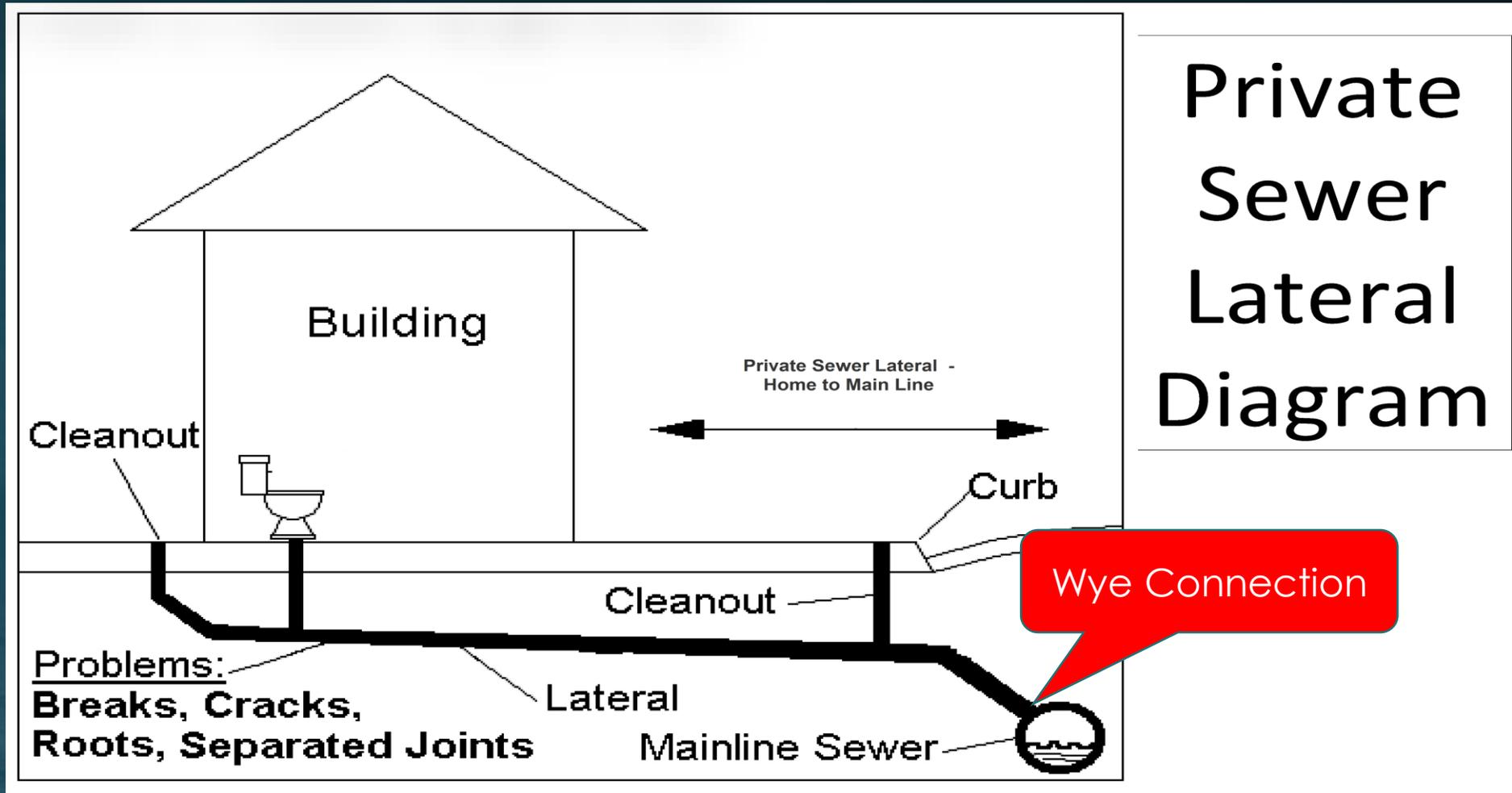
Water Quality Division

- Office Team Responsibilities

- Special Programs
 - Poly Styrene Ord
 - Plastic Bag Ord
 - **Private Sewer Lateral Ord**
- Regulatory Compliance
 - Ocean Protection
 - Pollution Prevention
- Special Projects
- Public Education Campaigns



Private Lateral Roots



Private
Sewer
Lateral
Diagram

Private Lateral Roots



Wye Connection

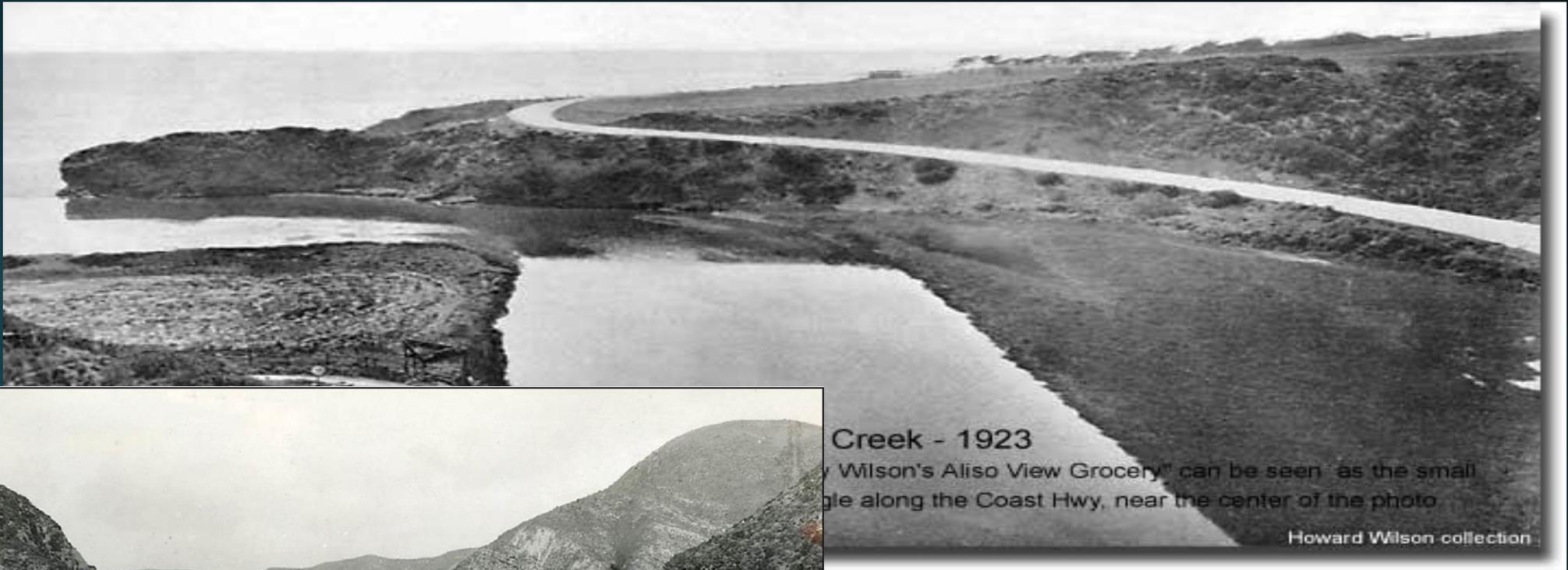


Special Programs

Private Sewer Lateral Program

- 2015 New Ordinance with triggers
 1. A sewer spill from a private sewer lateral; and/or
 2. Certain private property building remodels; and/or
 3. Certain changes of use of the house, building or property served; and/or
 4. The repair or replacement of any part of the private sewer lateral; and/or
 5. A significant repair or replacement of the main sewer line to which the lateral is attached; and/or
 6. Where City inspection and/or investigation reveals that a property's private sewer lateral is not sufficiently functional.

Back Flow Preventers



Creek - 1923

Wilson's Aliso View Grocery" can be seen as the small building along the Coast Hwy, near the center of the photo

Howard Wilson collection



Aliso canyon, Laguna Beach, Cal.

Special Programs

Aliso Creek Estuary Study Liaison
to the Laguna Ocean Foundation



Water Quality Dept – Office Team

- Special Projects

- (Grants secured ~ \$10 million since 2002)

- Electric Vehicle Charging Stations

- Upgrades and NEW Addition in Glenneyre PS

- Urban Water Diversions to Recycle the Water

- Bluebird Canyon Outlet and Diversion Rehab

- *DeWitt Property Habitat Restoration Project - Possible*

Water Quality Division

How many acronyms does it take to get clean water??



Water Quality Division

NPDES

MS4

Industrial

Construction

Ocean Waters

Ocean Plan

ASBS

MPA

Basin Plan

TMDLs

CLRPs

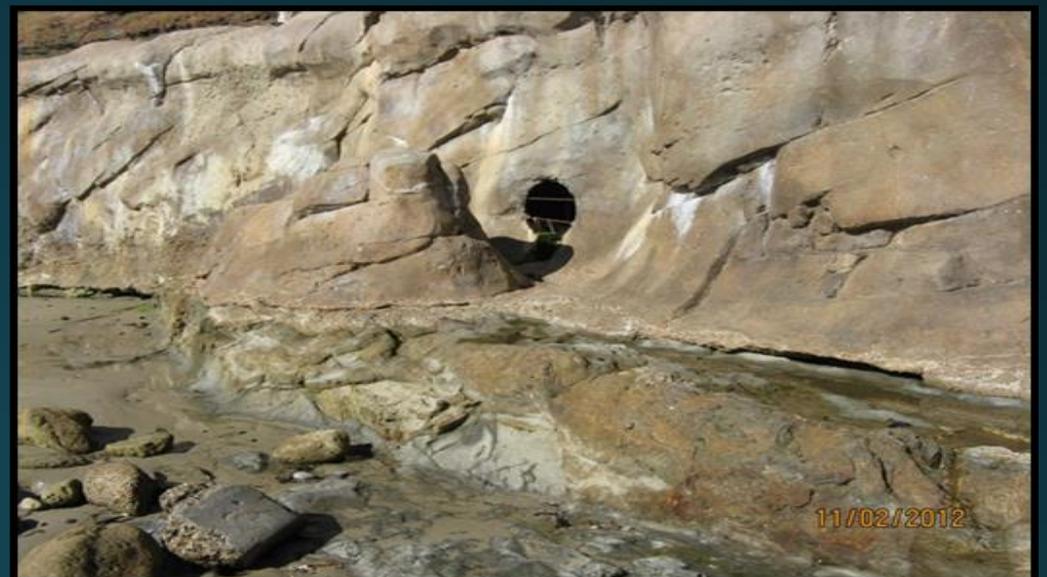
How do we comply?

- Monitoring
- Best Management Practices
- Engineered Solutions
- Training
- Inspections
- Documentation
- Reporting
- New Development Standards
- Municipal Codes for Water Quality

Monitoring

(outfalls, beaches, creeks)

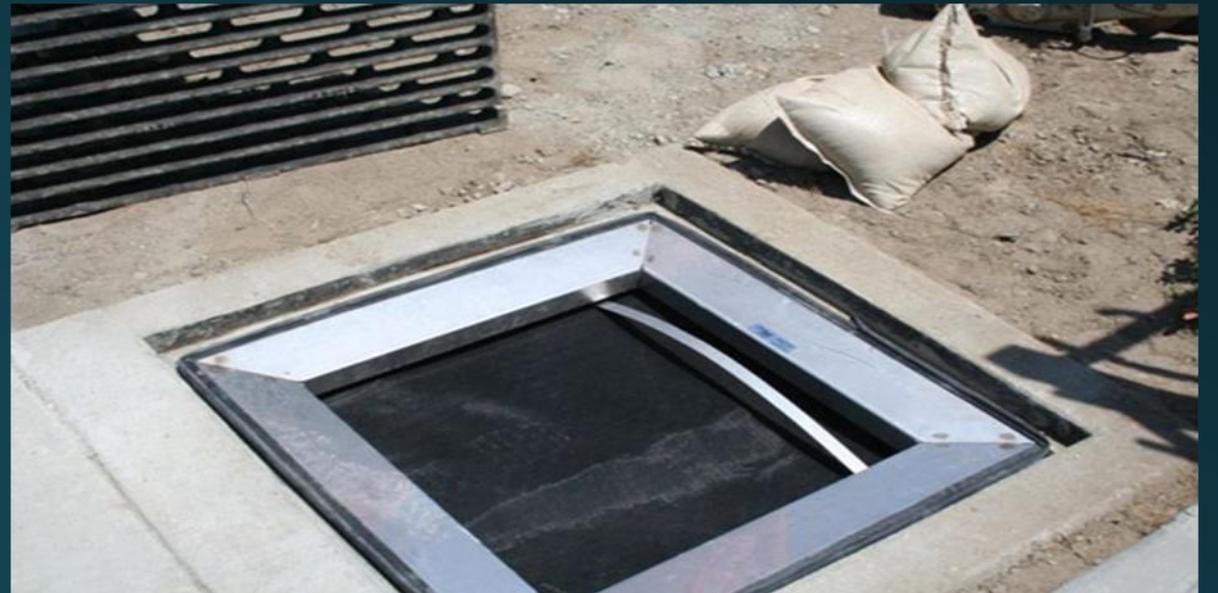
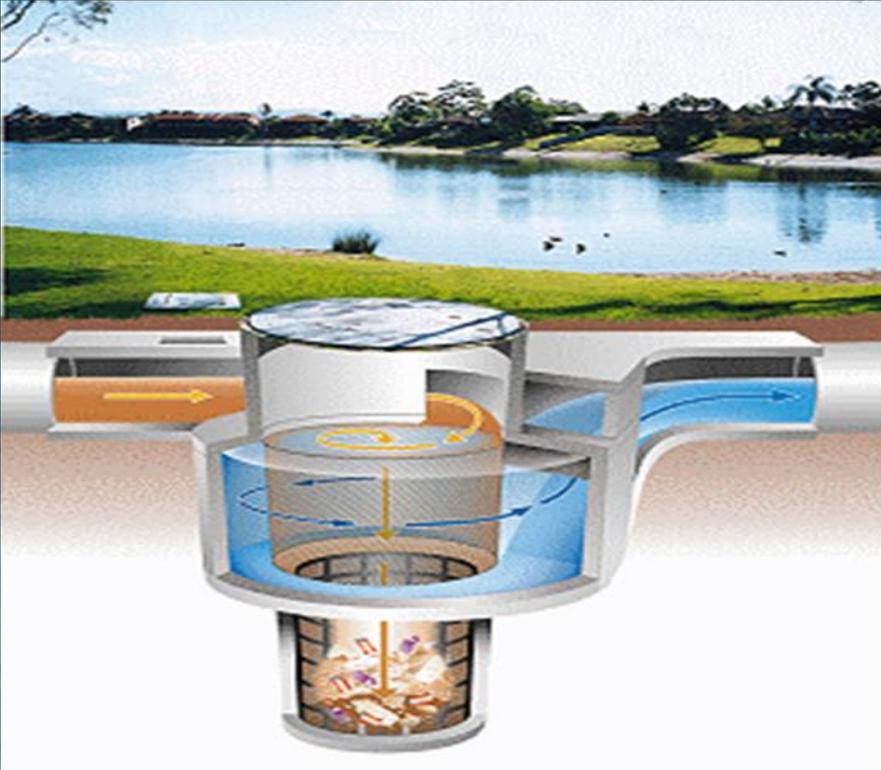
Lots of
money
\$\$\$\$\$\$



- Inspections/Best Management Practices



- Engineered Solutions



Heisler Park ASBS



Water Quality Division

- Public Education





Water Quality Department

Innovation in Sewer Systems

- Constantly Seeking **RELIABILITY** & Efficiencies added to the Systems
 - Ability to Monitor all 25 Lift Stations plus Status of Automated Diversions, Manholes and Emergency Overflow Tanks
 - Triage emergencies
 - Backup for Power and for Pumps
 - Odor Control ~~~ Water Conservation?



Water Quality Department

Innovation in... Sewer Systems !

- Internet of Things – Communications / Alarms
- Gas Conversion Technology – University of Oregon
 - Gas Burning for energy
- Fuel Cell Technology
- Direct Potable Reuse



Water Quality Department

Capital Improvement Projects - Upcoming

- Laguna SOCWA Wet Well Rehabilitation Project
Oct 2016 to May 2017
- Victoria I Lift Station Rehabilitation and Diversion
Coastal Commission → *Sept 2018?*
- North Coast Interceptor – Relocation out of Aliso Creek
South California Water District – Lift Sta #2 Forcemain
- CCTV Video Inspection and Condition Assessment



Q & A

Thank You!

Leadership
Laguna
Citizen's
Academy

Water Quality Department
May 19, 2016

David Shissler, Director of Water Quality





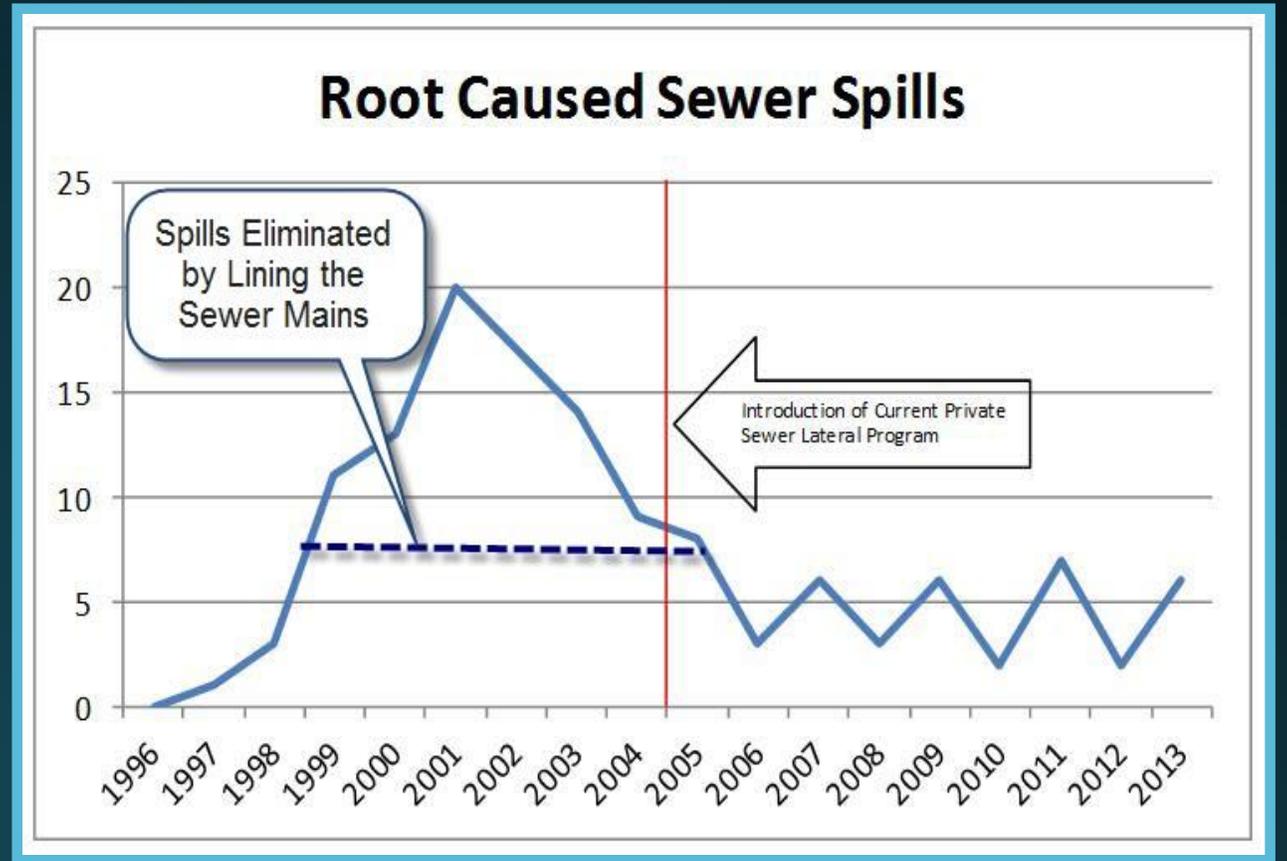
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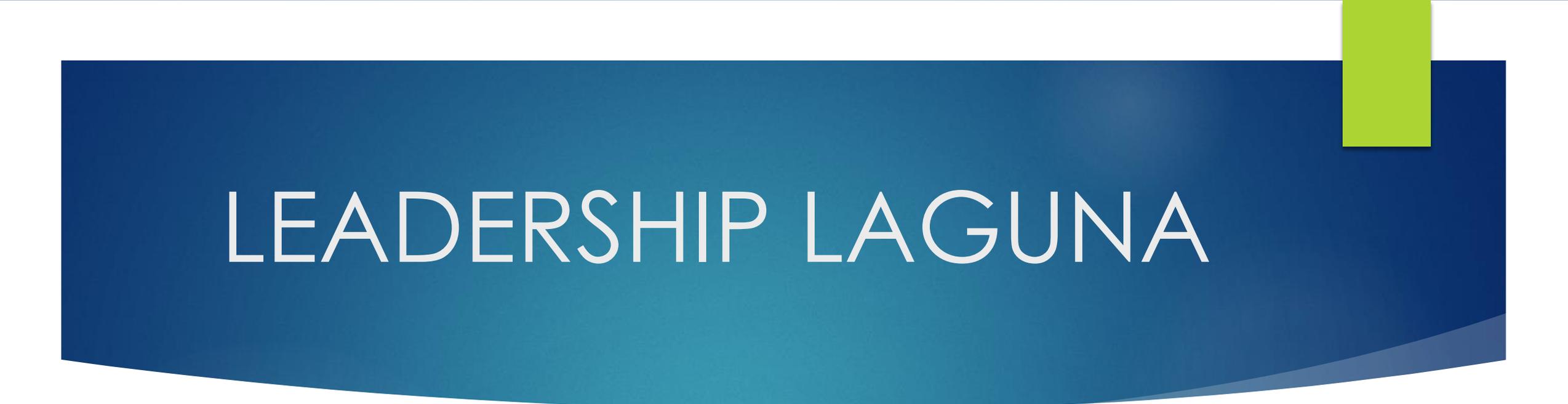
Check List

- John Robertus Email – Oct. 14, 2009
- Grants Summary Spreadsheet
- 10-Year CIP copy
- Newsletters
- Water Quality SWAG
- Portfolio & Pen
- Water

Capital Improvement Program – Past Efforts

- Lined 17 miles pipes
- 52 Point Repairs
- 25 Urgent Line Repairs





LEADERSHIP LAGUNA

May 19, 2016

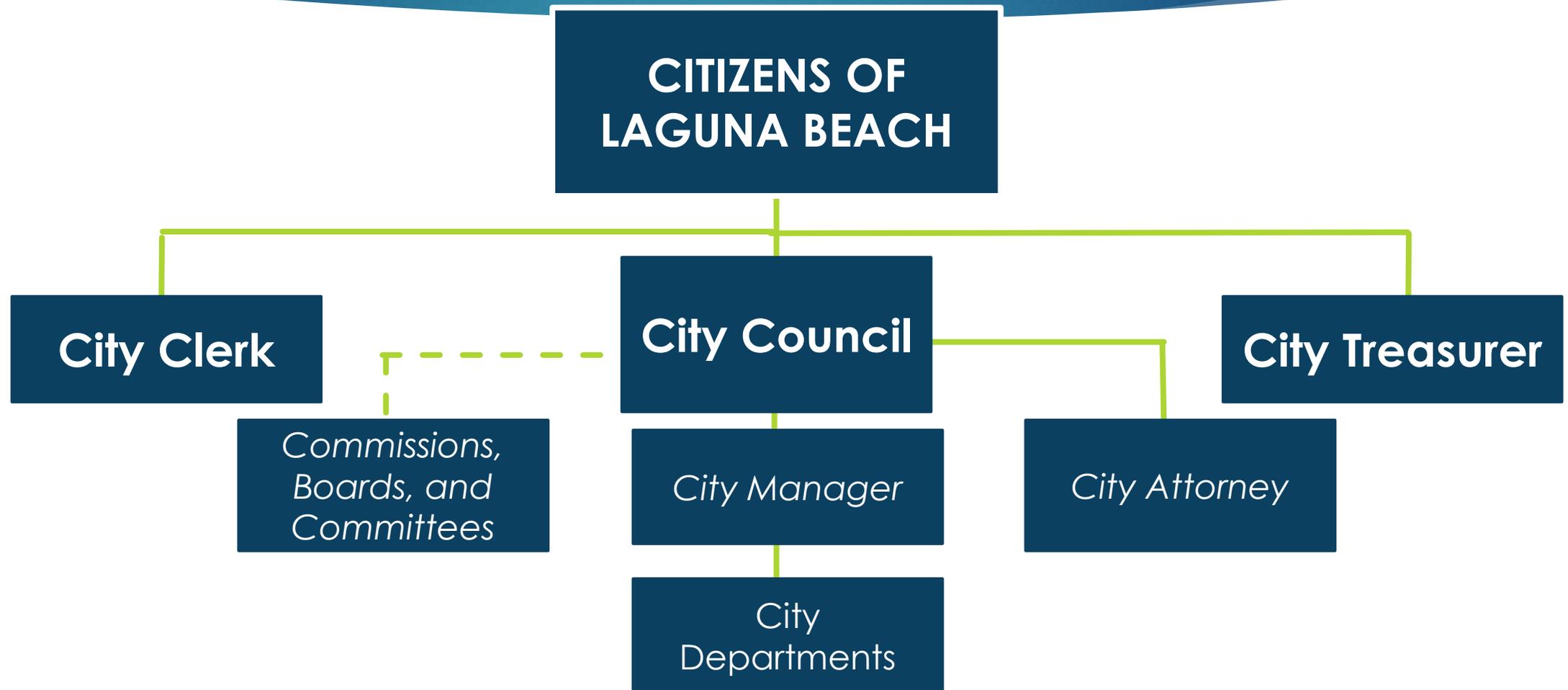
Part 3: City Attorney's Office

Presented by: Phil Kohn, City Attorney

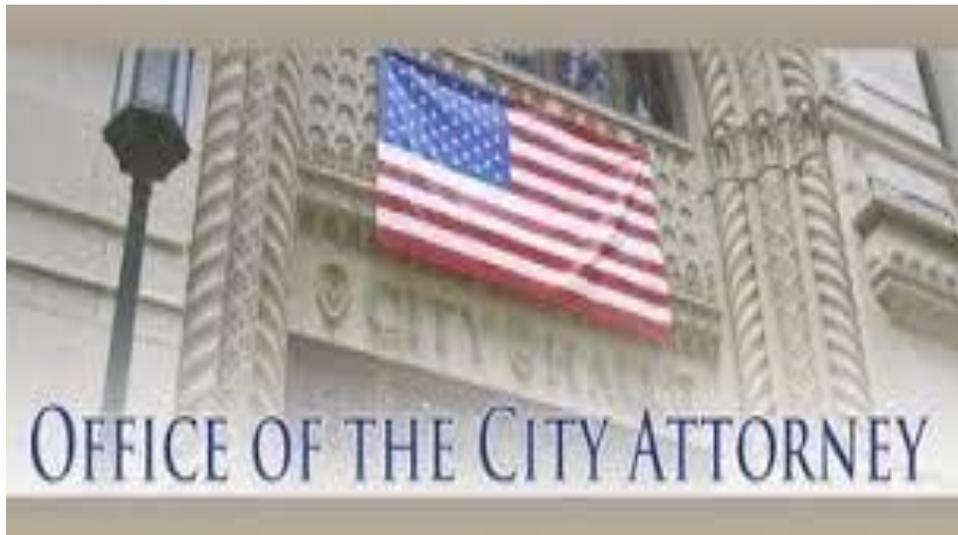
INTRODUCTORY MATTERS

- ❖ ORGANIZATION OF CITY GOVERNMENT
- ❖ WHO'S WHO IN THE CITY ATTORNEY'S OFFICE?
- ❖ WHY A CITY ATTORNEY?

Organization of City Government



Who's Who in the City Attorney's Office?



- ▶ Phil Kohn
City Attorney
 - ▶ Hans Van Ligten
Assistant City Attorney
 - ▶ Ajit Thind and Noam Duzman
Deputy City Attorneys
- ... and a cast of thousands
(well, dozens)

Why a City Attorney?



- ❖ City is a legal entity; formally a “municipal corporation”
- ❖ Like all corporations, City is involved in transactional and litigation matters
- ❖ City Attorney’s client is the City
- ❖ Like all corporations: board of directors (City Council), CEO (City Manager), and shareholders (citizens)
- ❖ Same broad range of general subjects: contracts, personnel, construction projects, real estate transactions, financial issues, personal injury and property damage claims, etc.

ROLE AND RESPONSIBILITIES

- ❖ CALIFORNIA
GOVERNMENT CODE
- ❖ LAGUNA BEACH
MUNICIPAL CODE

California Government Code

- ❖ Section 36505: The city council is authorized to appoint a city attorney.
- ❖ Section 41801: The city attorney shall advise the city officials in all legal matters pertaining to city business.
- ❖ Section 41802: The city attorney shall frame an ordinance or resolution required by the legislative body.
- ❖ Section 41803: The city attorney shall perform other legal services required from time to time by the legislative body.

Laguna Beach Municipal Code

- ❖ Section 2.12.010(A): “To advise the city officers in all legal matters pertaining to the business of this city.”
- ❖ Section 2.12.010(B): “To frame all ordinances and resolution required by the council.”
- ❖ Section 2.12.010(C): “To attend all regular meetings of the council.”
- ❖ Section 2.12.010(F): “To prepare and/or approve all contracts in which this city may be a party.”



Laguna Beach Municipal Code

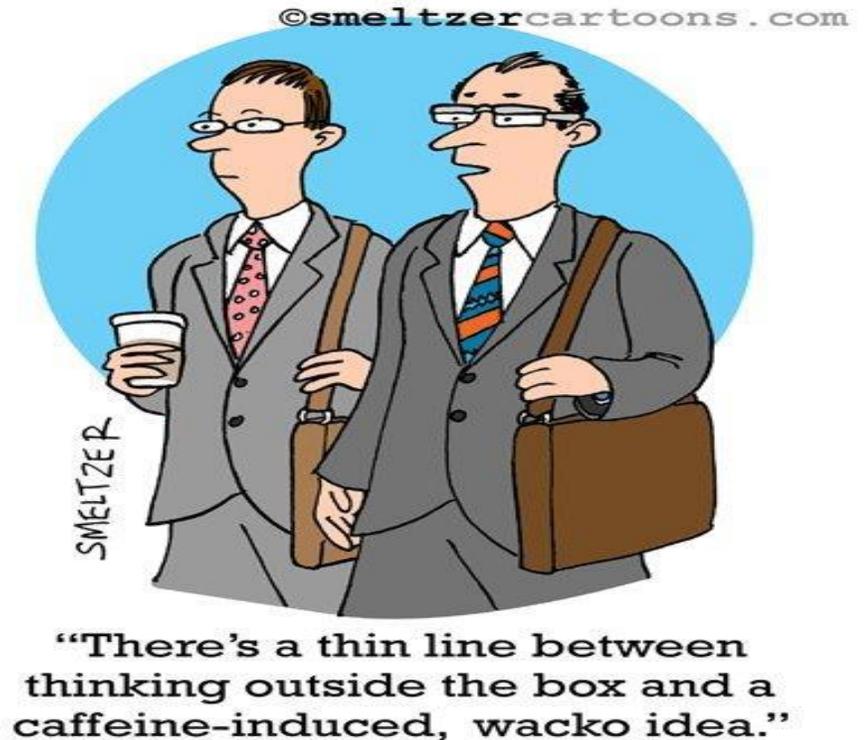
- ❖ Section 2.12.010(D): “To prosecute and/or defend all actions in which the city or any officer thereof, in his official capacity is a party.”
- ❖ Section 2.12.010(E): “To prosecute, in the city court of this city, violations of ordinances, when in the opinion of the city attorney reasonable cause exists to believe in the guilt of the accused and the accused in such criminal action has entered a plea of not guilty and has demanded a jury trial.”



Laguna Beach Municipal Code

The catch-all category:

- ❖ Section 2.12.010(G): “To perform such other acts and things as may be required by law or by the council.”



THE (RALPH M.) BROWN ACT



The Brown Act

- ❖ Enacted by California Legislature in 1953
 - codified as Government Code section 54950 et seq.
- ❖ Scope: “All meetings of the legislative body of a local agency shall be open and public, and all persons shall be permitted to attend any meeting of the legislative body of a local agency, except as otherwise provided in this chapter.” (Section 54953(a).)
- ❖ Purpose: Ensure that local agency deliberations and actions are conducted openly.



The Brown Act

- ❖ Entities and bodies covered
 - Legislative bodies
 - Less-than-quorum exception
- ❖ Covered meetings
 - What is a “meeting”?
 - Statutory exceptions
 - Prohibited meetings (e.g., serial meetings)



The Brown Act

- ❖ Types of meetings
- ❖ Location of meetings
- ❖ Agenda requirements
- ❖ Meeting procedures
- ❖ Rules of decorum
- ❖ Right of public comment
- ❖ Other rights of public
- ❖ Closed sessions

THE CALIFORNIA PUBLIC RECORDS ACT



The California Public Records Act

- ❖ Codified as Government Code section 6250 et seq.
 - see also California Constitution, article I, section 3
- ❖ Inspection and copying rights
- ❖ Agencies covered
- ❖ Records subject to inspection and copying
- ❖ Requests for records and responses
- ❖ Nondisclosure of records



THE POLITICAL REFORM ACT

ADOPTED BY VOTER
INITIATIVE IN 1974

The Political Reform Act

- ❖ Codified as Government Code section 81000 et seq.
- ❖ Administered by Fair Political Practices Commission, who has adopted regulations (Title 2, California Code of Regulations, section 18000 et seq.)
- ❖ Several subjects covered:
 - Campaign disclosure
 - Contribution limitations
 - Lobbyists
 - Ballot pamphlets
 - Incumbency and mass mailings
 - Ethics (honoraria, gifts, travel, campaign funds)

The Political Reform Act

- ❖ For purposes of today: focus on conflicts of interest



The Political Reform Act



- ❖ Basic prohibition: public officials shall not make, participate in the making of or use their official position in an attempt to influence governmental decisions in which they have a disqualifying conflict of interest
- ❖ Public official has a conflict of interest if the decision will have a reasonably foreseeable material financial effect on an economic interest, unless exceptions apply
- ❖ Purposes of Act achieved by requirements for reporting, disclosure, and recusal

The Political Reform Act

- ❖ Analysis to determine whether a disqualifying conflict exists:
 - Is the individual a public official?
 - Will the public official be making, participate in making or using or attempting to use official position to influence government decision?
 - What are the public official's economic interests?
 - For each interest, will it be directly or indirectly involved in the decision?
 - What is the materiality standard for the interest?
 - Is it reasonably foreseeable that the decision will have a material effect on the interest?
 - Is the effect distinguishable from the effect on the public generally?
 - Is the public official's participation legally required despite the conflict?

LAGUNA BEACH CODE OF ETHICS

LAGUNA BEACH
MUNICIPAL CODE
CHAPTER 2.14
(ADOPTED 1973)

Laguna Beach Code of Ethics

- ❖ Declaration of policy
- ❖ Responsibilities of public office
- ❖ Dedicated service
- ❖ Fair and equal treatment
- ❖ Use of public property
- ❖ Obligations to citizens

Laguna Beach Code of Ethics

- ❖ Conflict of interest provisions
- ❖ Officials and employees shall refrain from:
 - Engaging in activity that conflicts with proper discharge of duties
 - Accepting employment that will impair independence
 - Disclosing confidential information (for financial gain)
 - Accepting any compensation, reward or gift from any source other than the City
- ❖ Disclosure of conflicts on the record
- ❖ Revolving door provision

(Not) The Political Reform Act or the Laguna Beach Municipal Code

- ▶ Government Code section 1090: financial interests in contracts
- ▶ Incompatible outside activities and incompatible offices
- ▶ “Common law” conflicts of interest
 - ▶ Due process considerations
 - ▶ Right to fair and impartial decision makers



COASTAL
COMMISSION
REVIEW OF CITY
DECISIONS



CALIFORNIA
COASTAL
COMMISSION

Coastal Commission Review of City Decisions

WAIT FOR THE PRESENTATION BY THE COMMUNITY DEVELOPMENT DIRECTOR!

- ❖ Hierarchy of City land use regulations
 - General Plan and Specific Plans
 - Zoning ordinance
 - Discretionary decisions: subdivisions, conditional use permits, variances, design review, etc.
- ❖ Interface with Coastal Act (Public Resources Code section 30000 et seq.)
 - Local Coastal Program
 - Coastal Development Permits

QUESTIONS?

