

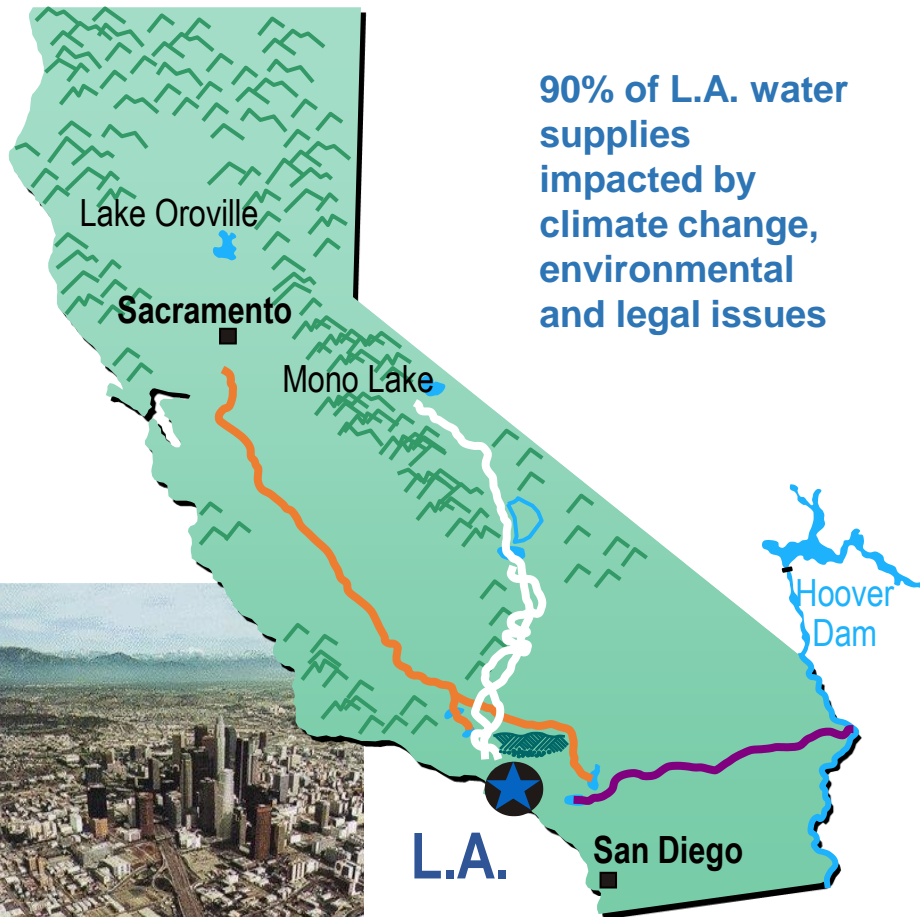


INTEGRATION | INNOVATION | INCLUSION

AMWA  
EXECUTIVE MANAGEMENT  
CONFERENCE  
OCTOBER 2016

# MEETING LA'S WATER CHALLENGES THROUGH INTEGRATION, INNOVATION, AND INCLUSION

# LA'S WATER CHALLENGES



- 💧 Drought
- 💧 Increasing population
- 💧 Aging infrastructure
- 💧 More stringent regulations
- 💧 Limited funding
- 💧 Dependence on imported water
- 💧 Climate Change
- 💧 Pollution Control
- 💧 Flood Control



# LEADING BY EXAMPLE



- Reduce GPCD by 20% by 2017
- Reduce Purchased Import Water by 50% by 2024
- Local Source of Water by 50% by 2035
- Integrated One Water Initiative



# ONE WATER LA PLAN





# INTEGRATION



# LONG TERM SOLUTION FOR WATER SUPPLY RELIABILITY



**Recycled Water**



**Stormwater Capture**



**Water Conservation**



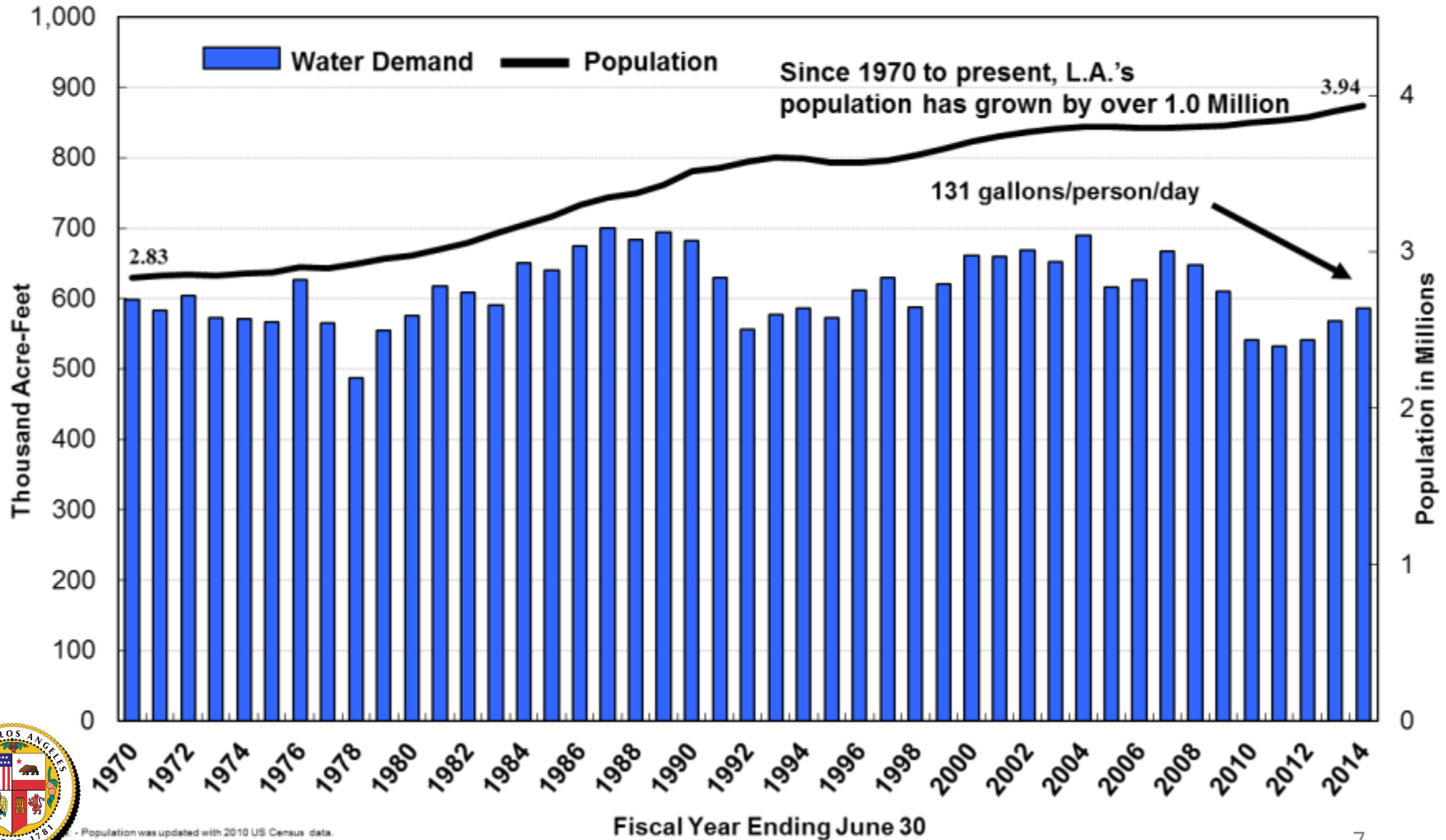
**SF Groundwater Basin Remediation**

**Local Water Supply Reliability and overall Resiliency**



# CONSERVATION SUCCEEDS IN REDUCING WATER DEMANDS

## CITY OF LOS ANGELES WATER USE AND POPULATION

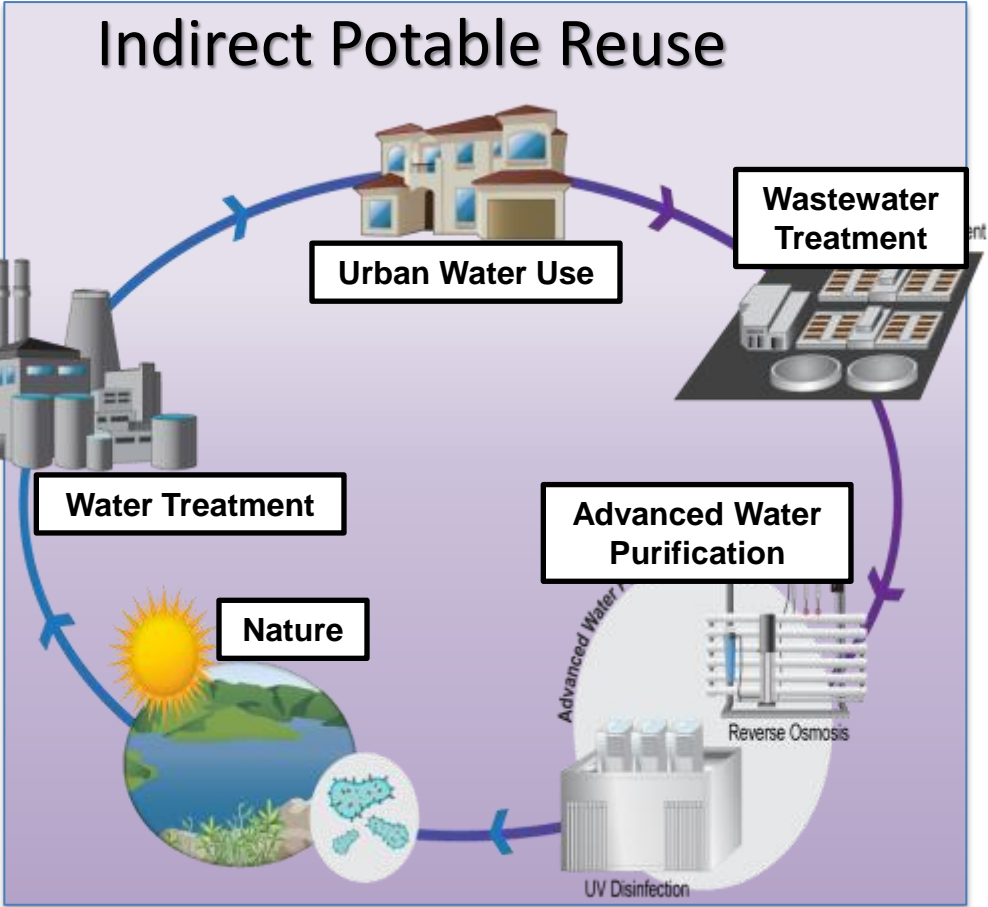


# LOCAL SUPPLY DEVELOPMENT: RECYCLED WATER

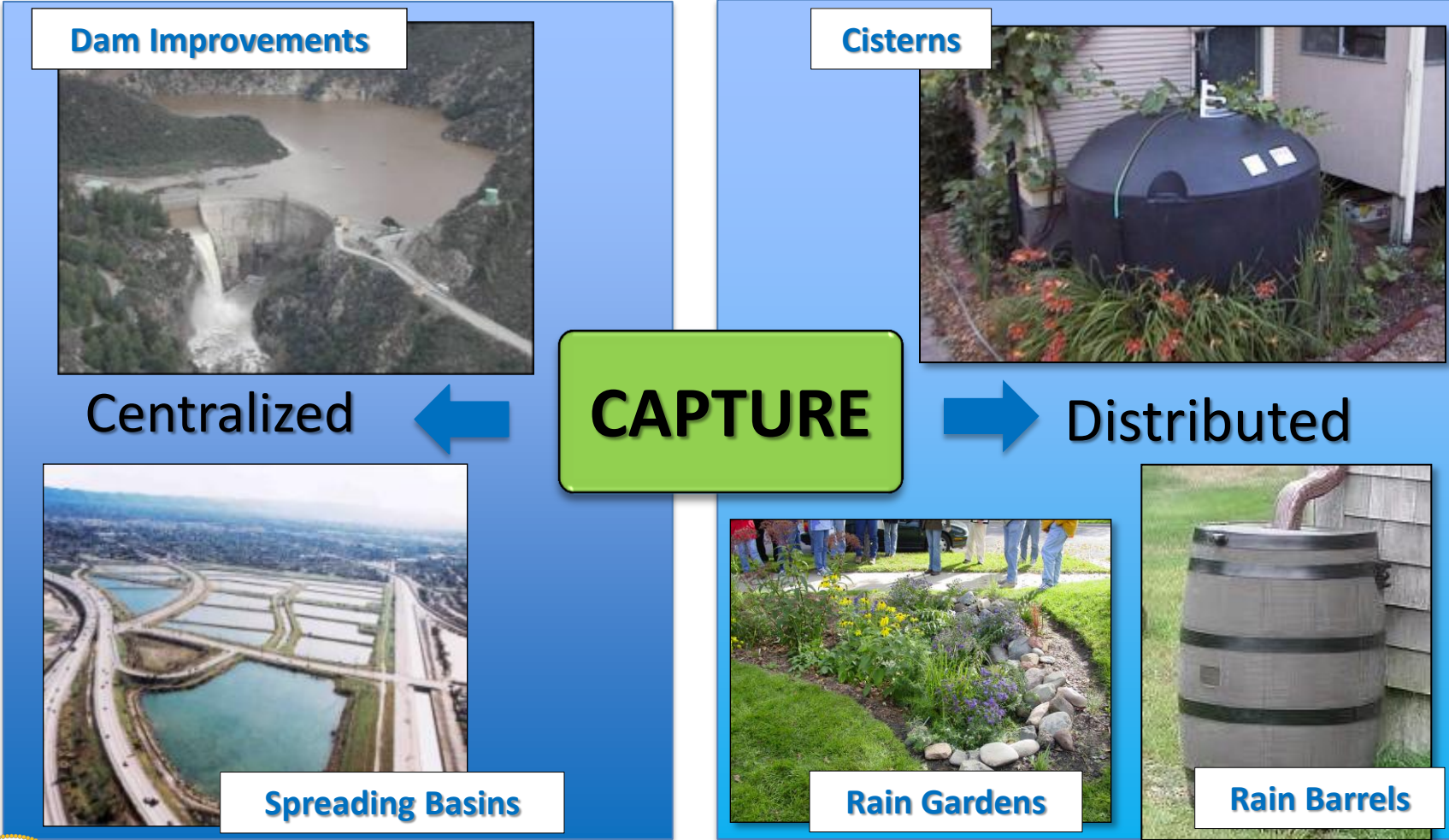


## Non-Potable Reuse

Two images illustrating non-potable water reuse: a stack of purple pipes and a sprinkler head watering a lawn.

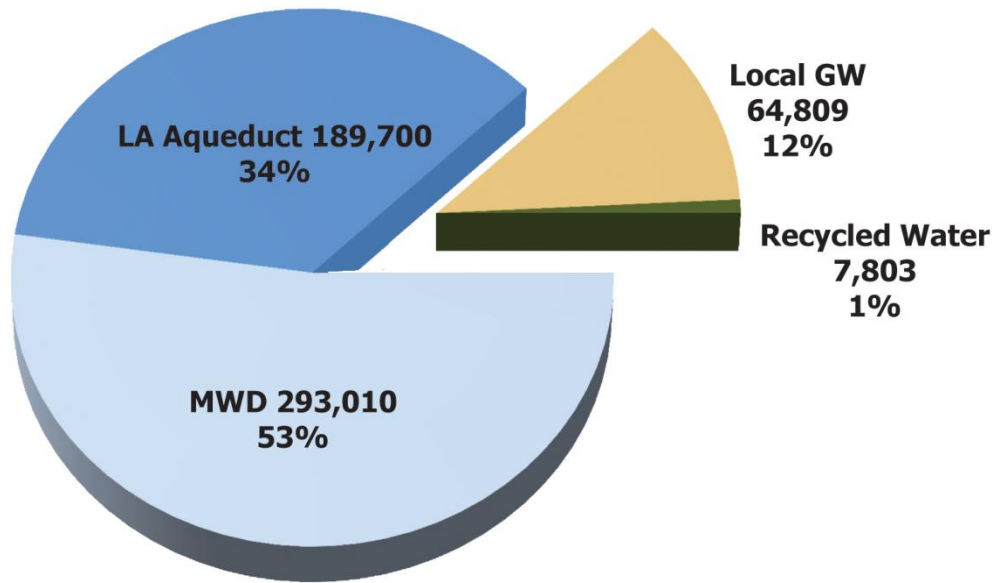


# LOCAL SUPPLY DEVELOPMENT: STORMWATER CAPTURE

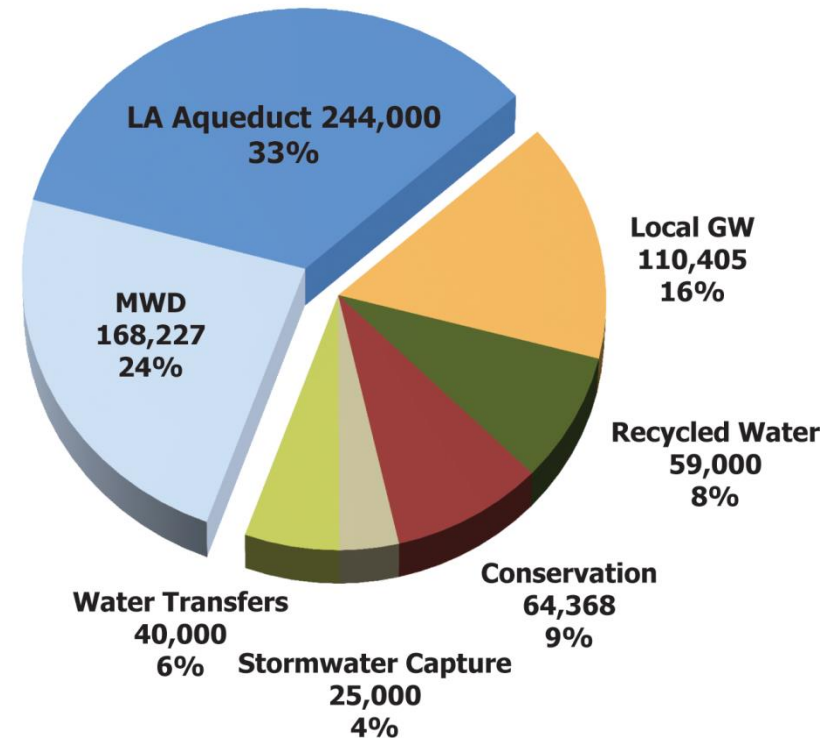


# LA'S CHANGING DRINKING WATER MIX

**FYE 2010 - 2014 Average**  
**Total: 553,876 AFY**



**Fiscal Year 2034 - 35**  
**Total: 711,000 AFY**

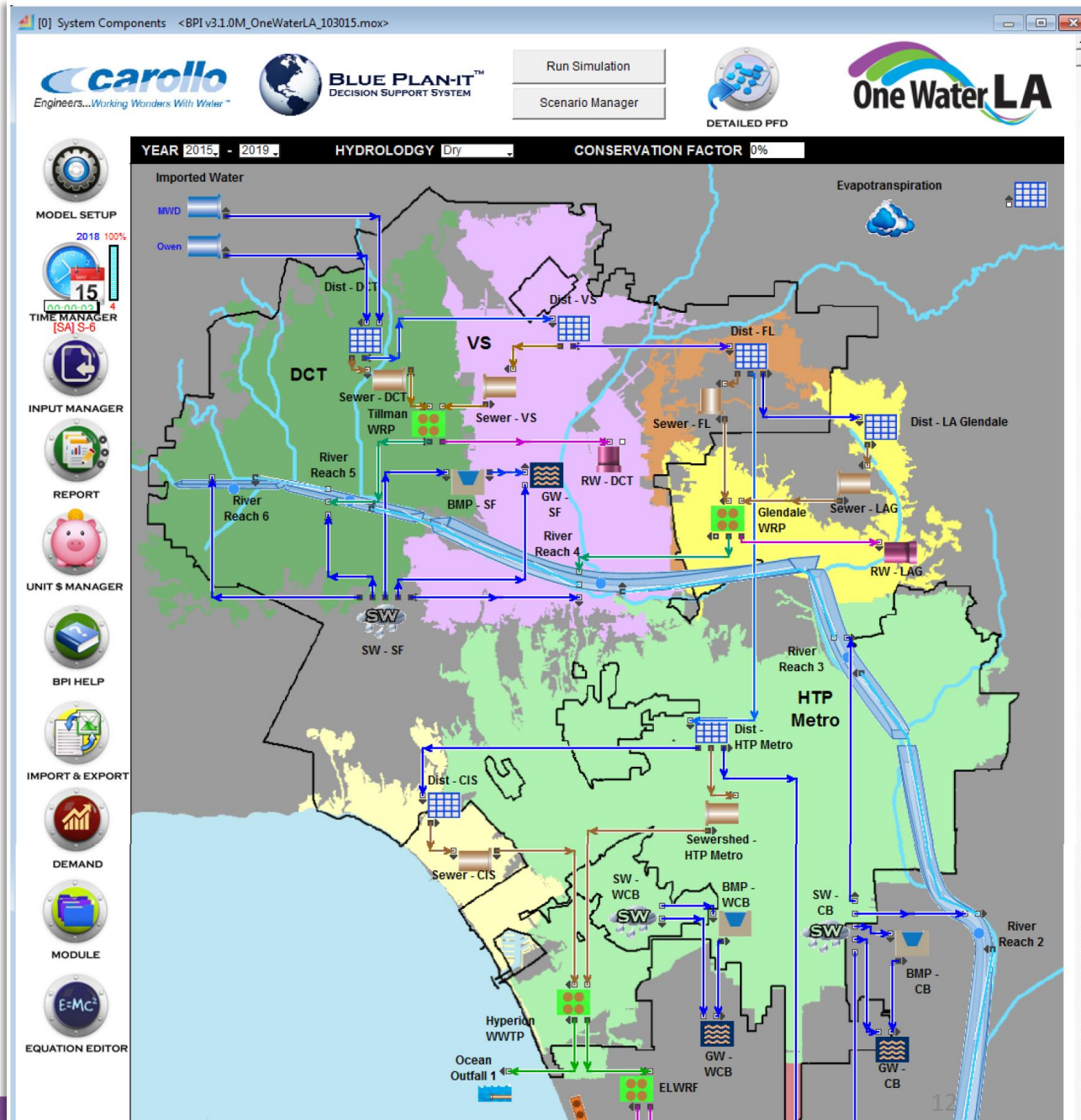




# INNOVATION

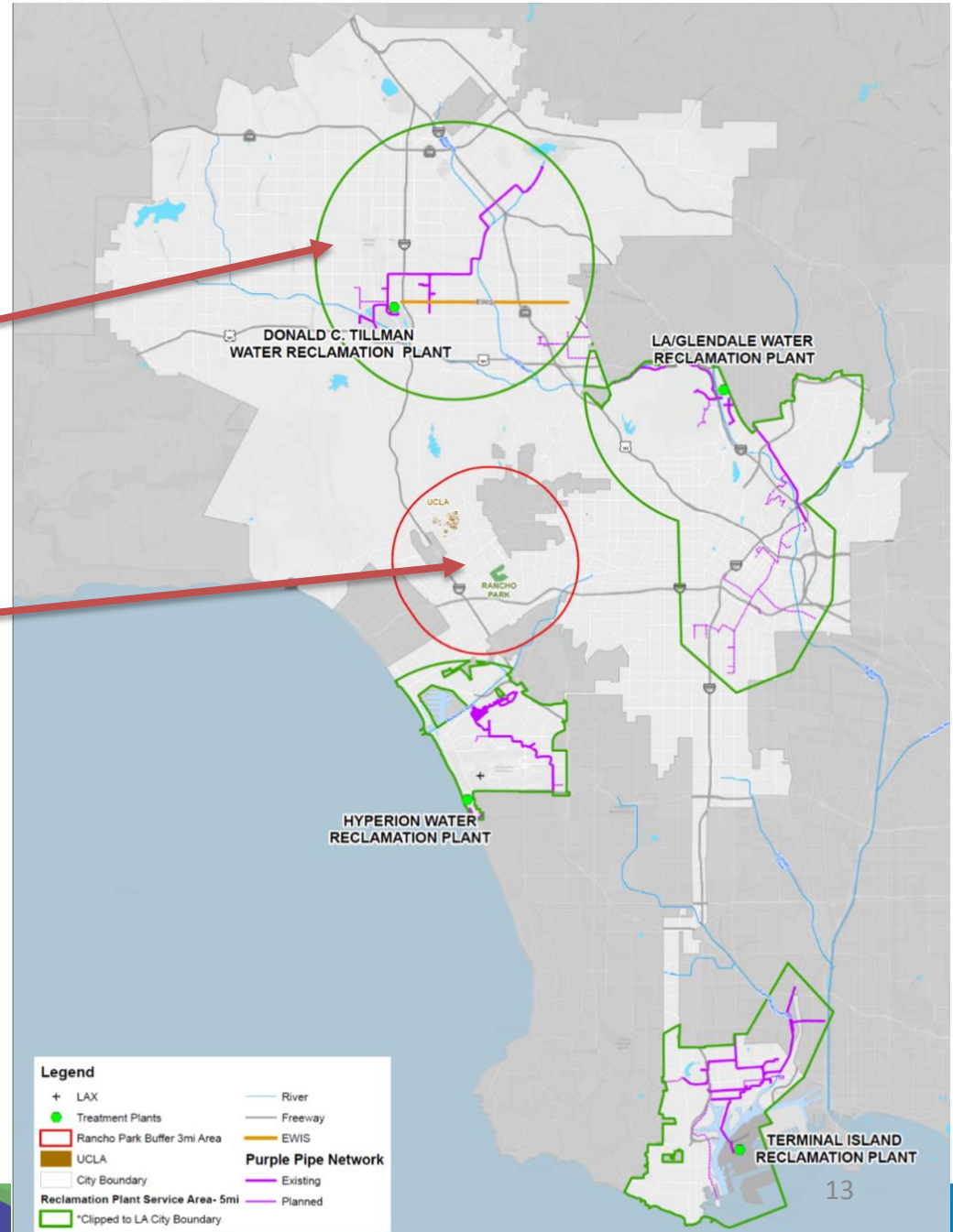


# WATER BALANCE TOOL ACROSS ENTIRE CITY



# CREATIVE WATER MANAGEMENT

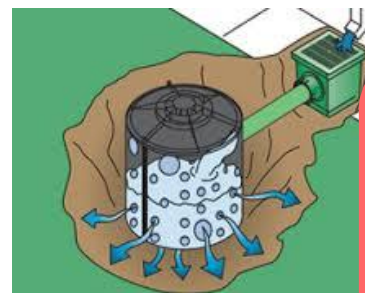
- Augment sewer flows with runoff to increase water recycling.
- New strategically located water reclamation plants
- Policy for privately-owned onsite water recycling

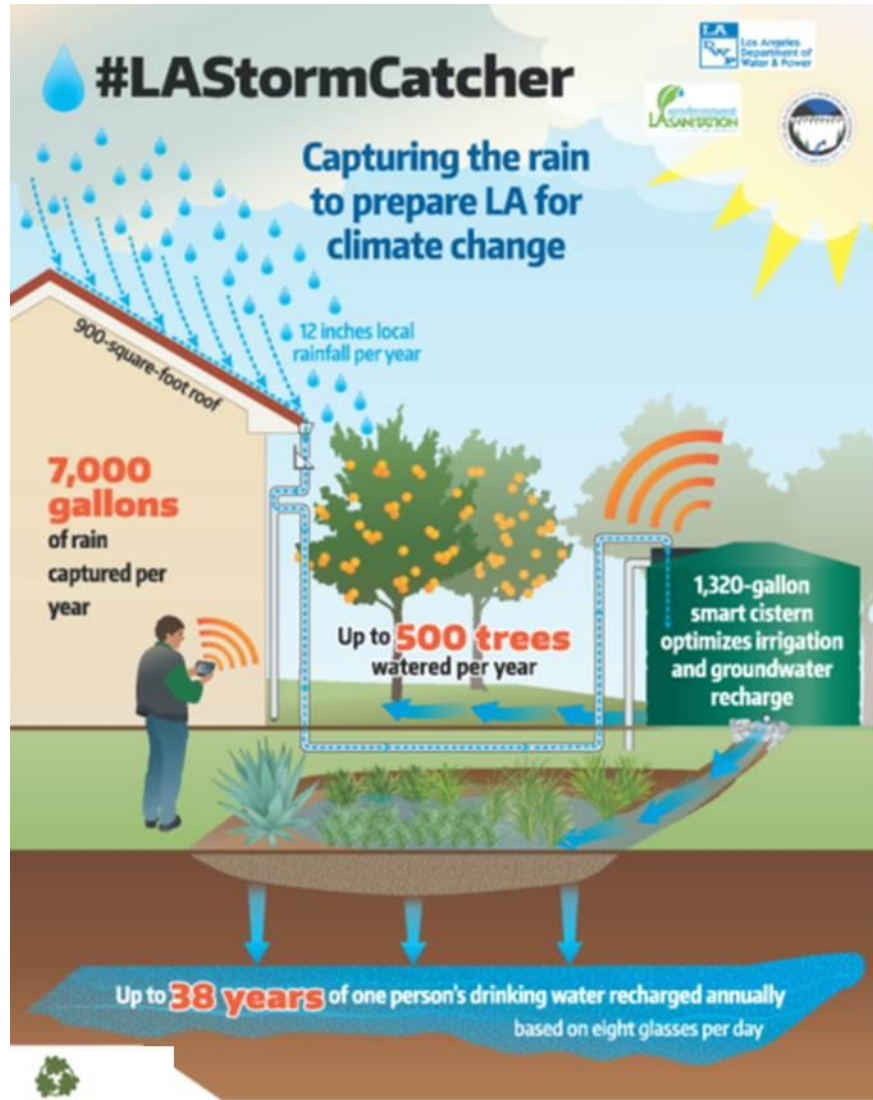


# LAUREL CANYON BLVD GREEN STREET



# BROADWAY STORMWATER CAPTURE AND NEIGHBORHOOD GREENWAY







# INCLUSION



All Water is

One Water LA



[www.onewaterLA.org](http://www.onewaterLA.org)

*Recognizing and getting the most out of water's many complex relationships*



# MAYOR'S REQUEST: "INCLUDE AND ENGAGE ALL CITY DEPARTMENTS"

More than 20 different departments and agencies are engaged!

	Water Departments and Agencies	Departments with Water-Related Needs			
		Transportation	Construction & Code Enforcement	Open Space Recreation Education	Land Use Planning & Community
<b>City</b>	<ul style="list-style-type: none"> <li>✓ Water and Power</li> <li>✓ Bureau of Sanitation</li> </ul>	<ul style="list-style-type: none"> <li>✓ Street Services</li> <li>✓ Dept of Transportation</li> <li>✓ Port of LA</li> <li>✓ LAX Airport</li> </ul>	<ul style="list-style-type: none"> <li>✓ Engineering</li> <li>✓ Building and Safety</li> <li>✓ General Services</li> </ul>	<ul style="list-style-type: none"> <li>✓ Recreation &amp; Parks</li> <li>✓ LA Zoo</li> </ul>	<ul style="list-style-type: none"> <li>✓ City Planning</li> <li>✓ Neighborhood Empowerment</li> </ul>
<b>Non-City</b>	<ul style="list-style-type: none"> <li>✓ Metropolitan Water District</li> <li>✓ LA County Public Works</li> <li>✓ LA County San Dist.</li> <li>✓ US Army Corps</li> </ul>	<ul style="list-style-type: none"> <li>✓ Caltrans</li> <li>✓ High Speed Rail</li> <li>✓ METRO</li> </ul>		<ul style="list-style-type: none"> <li>✓ LA Unified Schools</li> </ul>	<ul style="list-style-type: none"> <li>✓ SoCal Assoc. of Governments</li> </ul>



# STAKEHOLDER INCLUSION

## Special Topic Groups



- **Over 300 stakeholders (200 organizations)**
- **Multiple stakeholder workshops**
- **One-on-One meetings w/Key groups**
- **Dedicated website for engagement**

## Stakeholder Meetings



## Schools and Academia



## Outreach Events



[www.OneWaterLA.org](http://www.OneWaterLA.org)



# GARVANZA PARK STORMWATER CAPTURE



# PENMAR PARK & GOLF STORMWATER CAPTURE



# ALLEY GREENWAYS



**AVALON AVE**

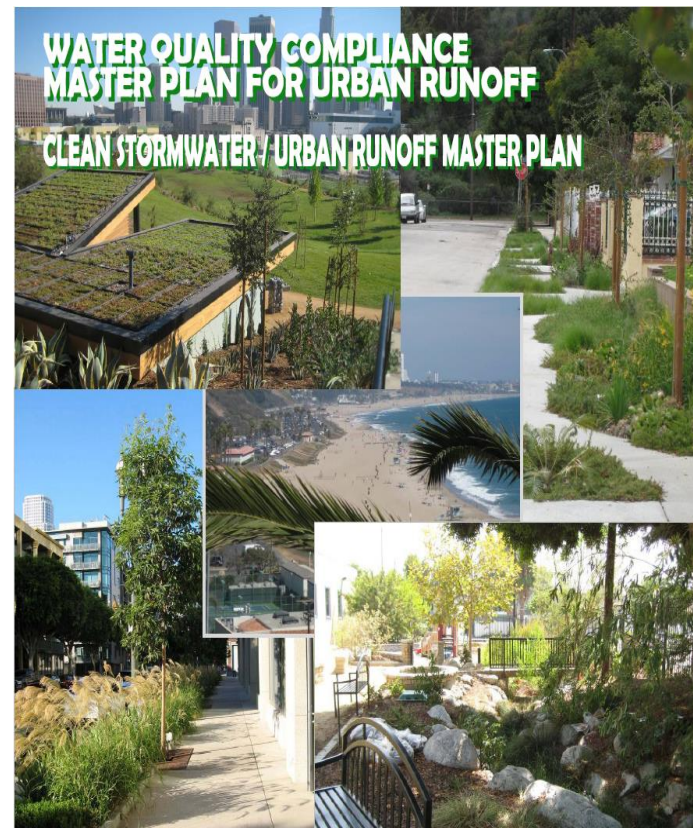


**ELMER PASEO**



# WATER SUPPLY & QUALITY: STORMWATER MANAGEMENT

- For every \$1 Million in Water Quality investments, there is up to \$22 Million in added benefits or avoided costs.



INTEGRATION + INNOVATION + INCLUSION

... THE ONEWATERLA PATH TO A  
SUSTAINABLE AND RESILIENT CITY