

Meeting LA's Water Challenges & Opportunities

By Connecting the dots, drops and hearts



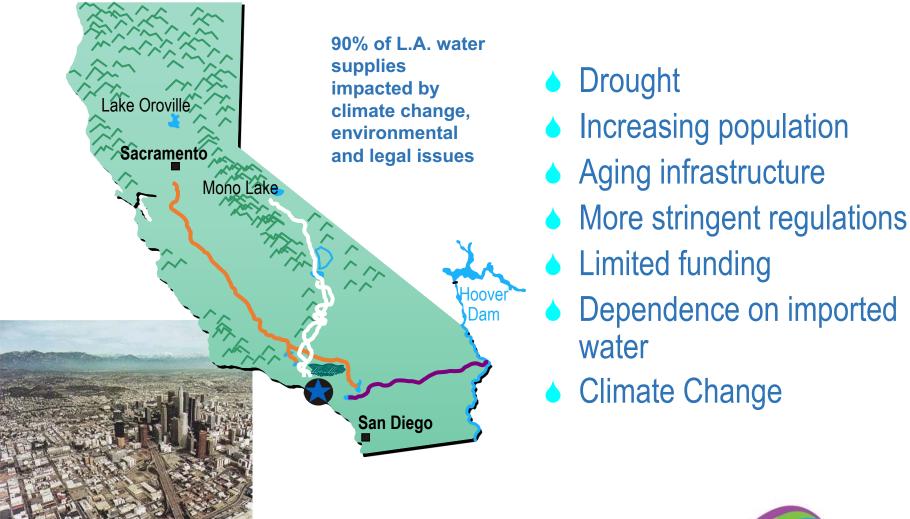






All Water is One Water

LA'S WATER CHALLENGES

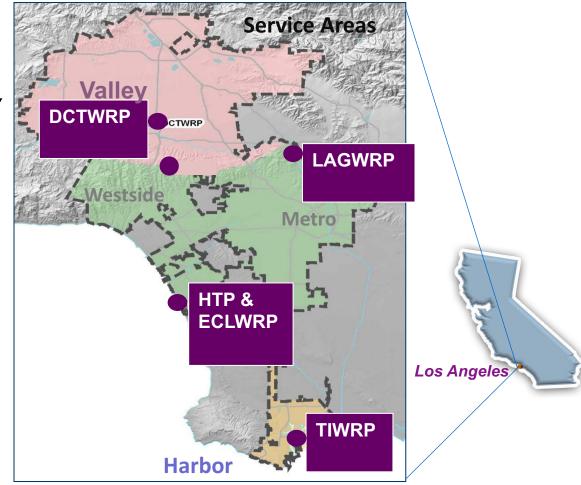




The Challenge: Where Recycled Water is Available

The City treats over <u>350 million gallons</u> of wastewater every day

MOST OF THIS RESOURCE GOES TO THE OCEAN





The Challenge: Capture More Stormwater

With every ½" rain, over 3-4 billion gallons of water washes down to the ocean

MOST OF THIS RESOURCE GOES TO THE OCEAN





Transforming our relationship

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

With Water







The Solution



Connecting the dots, drops and hearts

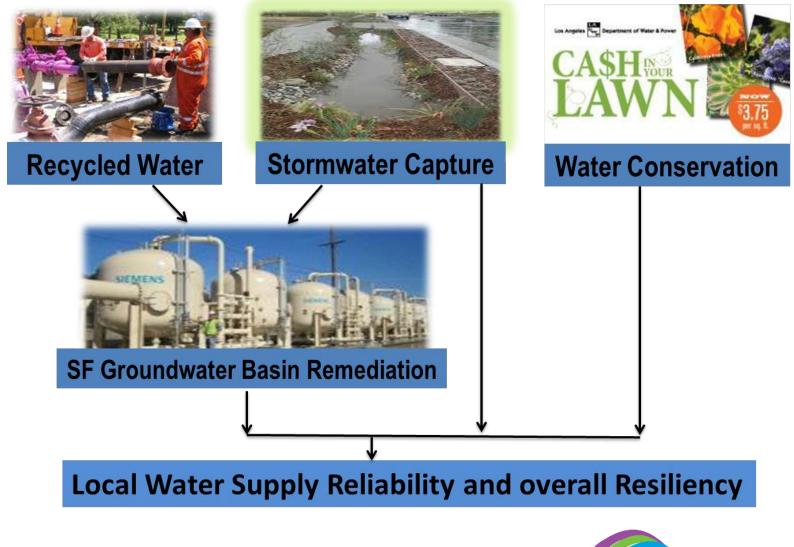






Conserve	Reuse	Capture
Reduce demand and make supply	Non-Potable	Centralized
last longer		
SAVE THE DROPLA.ORG	Potable	Distributed
California Friendly LANDSCAPING in Los Angeles	Source Wastewater Treatment WRBAN WATER CYCLE Wastewater Collection Use	

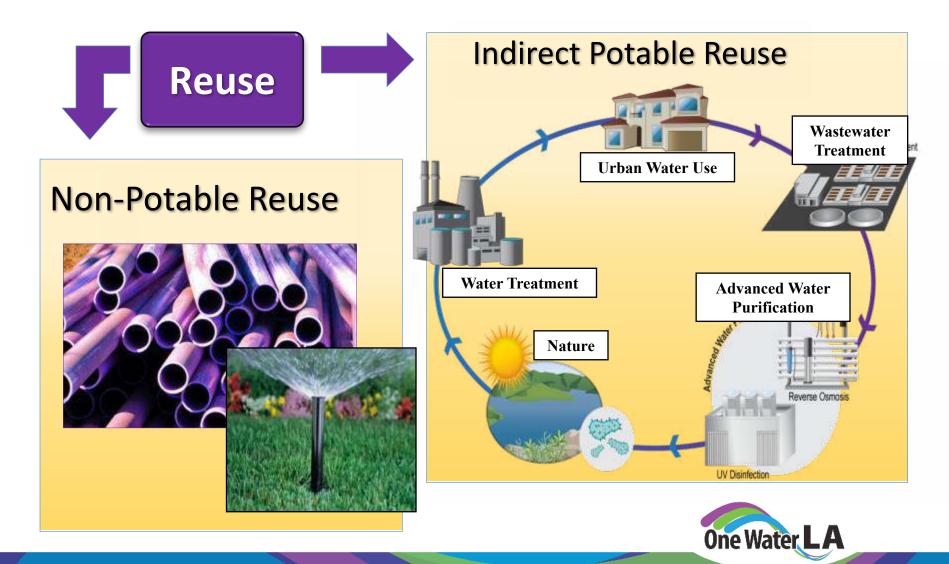
LONG TERM SOLUTION FOR WATER SUPPLY RELIABILITY



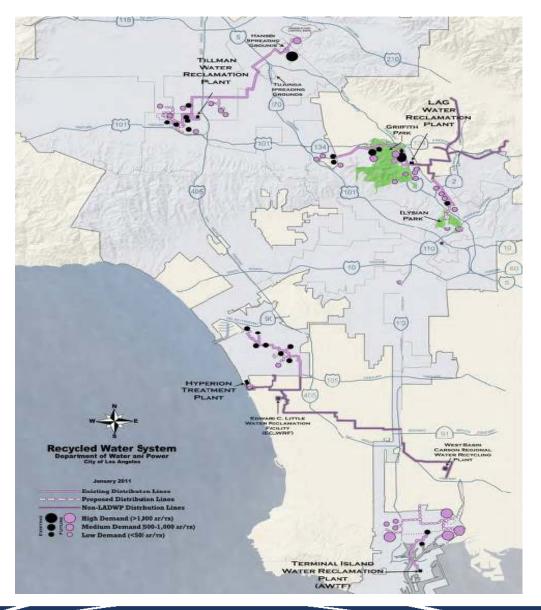


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LOCAL SUPPLY DEVELOPMENT: RECYCLED WATER

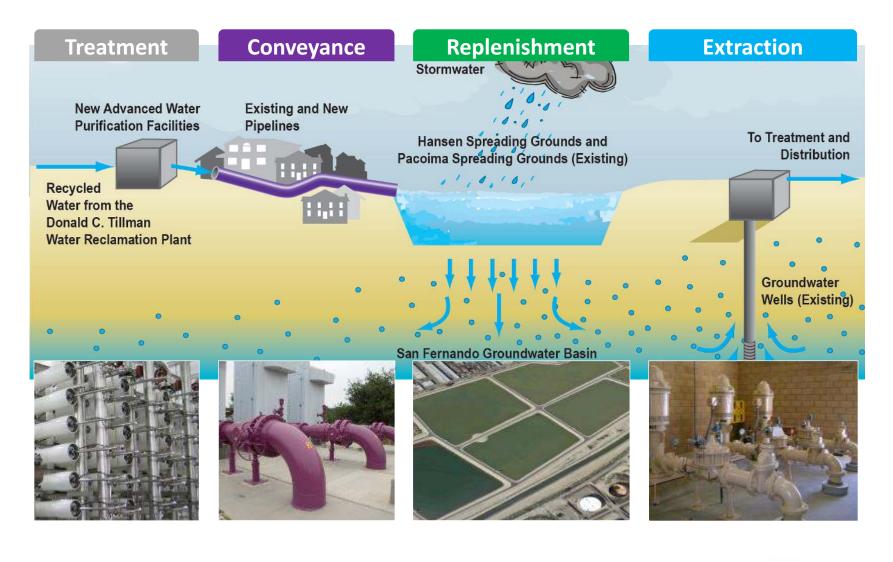


LOCAL SUPPLY DEVELOPMENT: RECYCLED WATER





FOCUS ON GROUNDWATER REPLENISHMENT





- Doubled production of highly purified advanced treated water to 12 MGD
- Supply Dominguez Gap
- Supply industrial and commercial customers
- Supply Machado lake



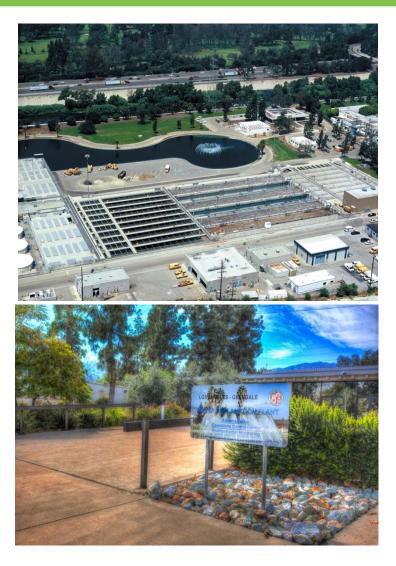


TERMINAL ISLAND WATER RECLAMATION PLANT



- Expand Recycled Water System
- Build 5 MG storage
- Public fill station



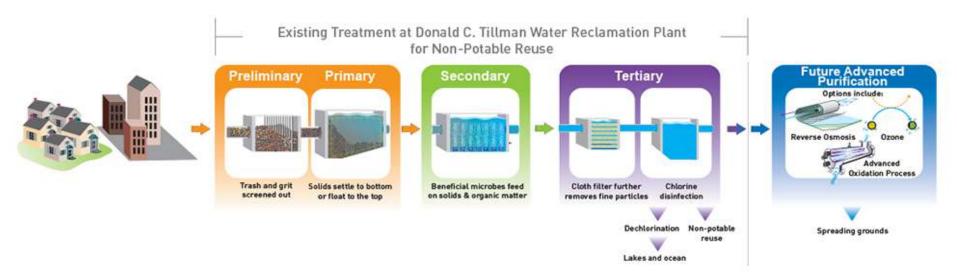


LA GLENDALE WATER RECLAMATION PLANT



- Expand Recycled Water System
- Divert more wastewater flow
- Construct a 30 MGD AWPF for ground water recharge

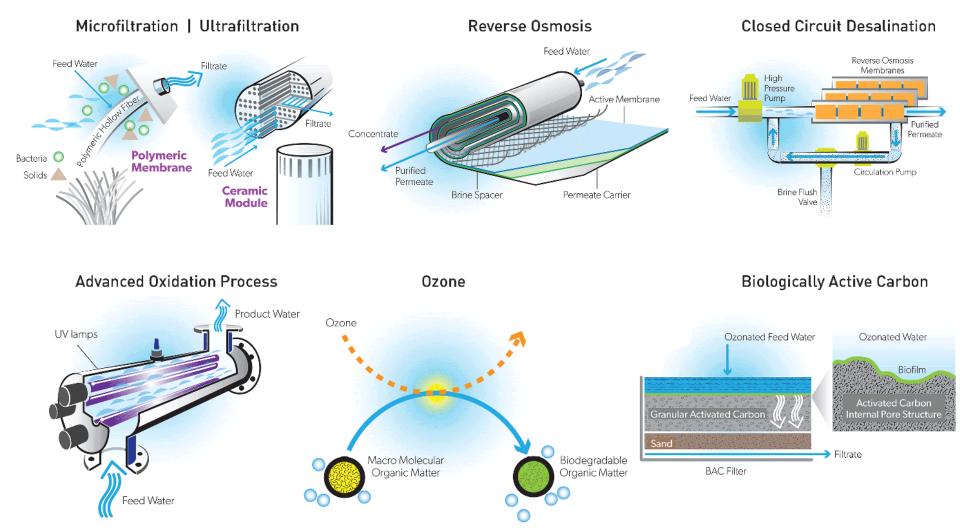




TILLMAN WATER RECLAMATION PLANT



Treatment Process



LA GWR Project Pilot



New and Existing Pipelines



Spreading Grounds



- Partnership with West Basin
- Expand water to West basin by 70 MGD MBR
- Provide water to LAWA
- Divert more flow to Tillman WRP
- Satellite plant at Rancho Park
- Analyze other regional and local opportunities

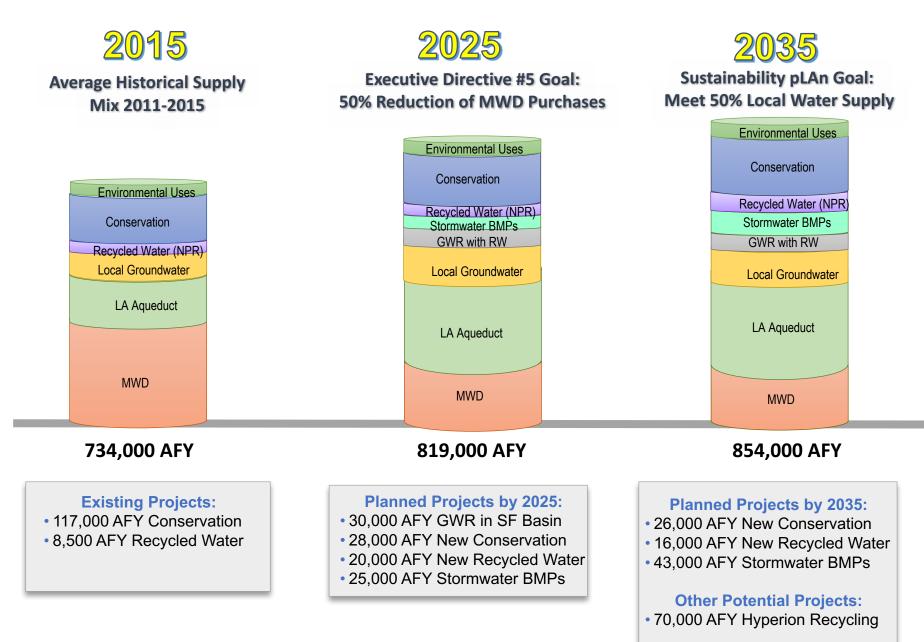




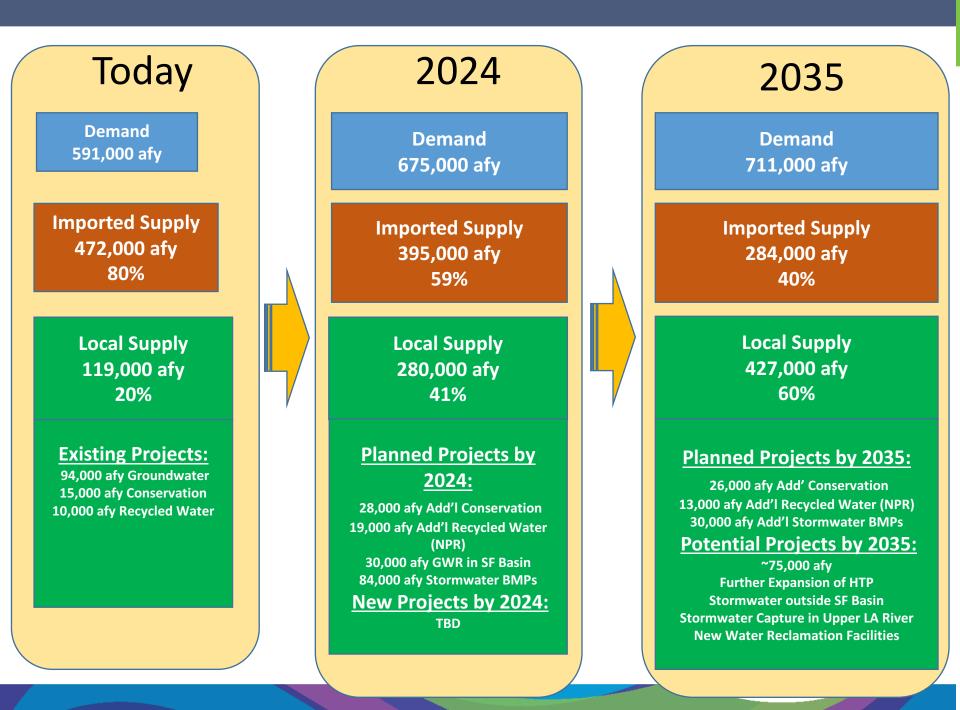
HYPERION WATER RECLAMATION PLANT



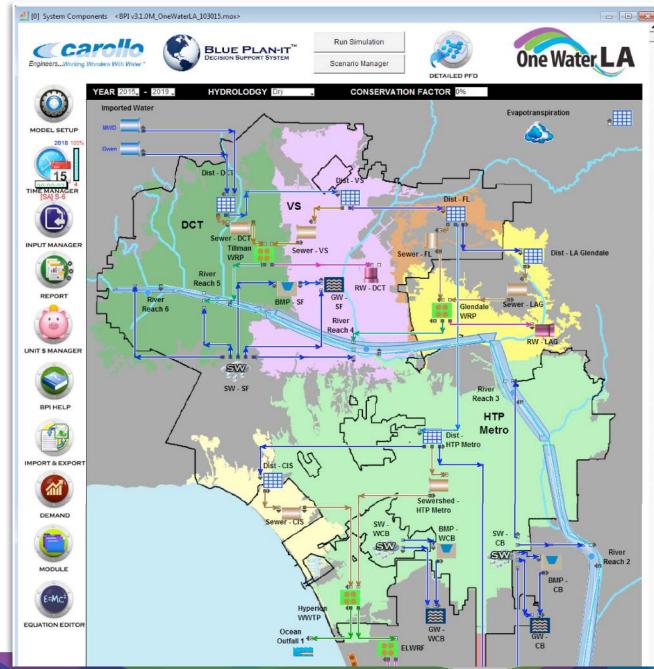


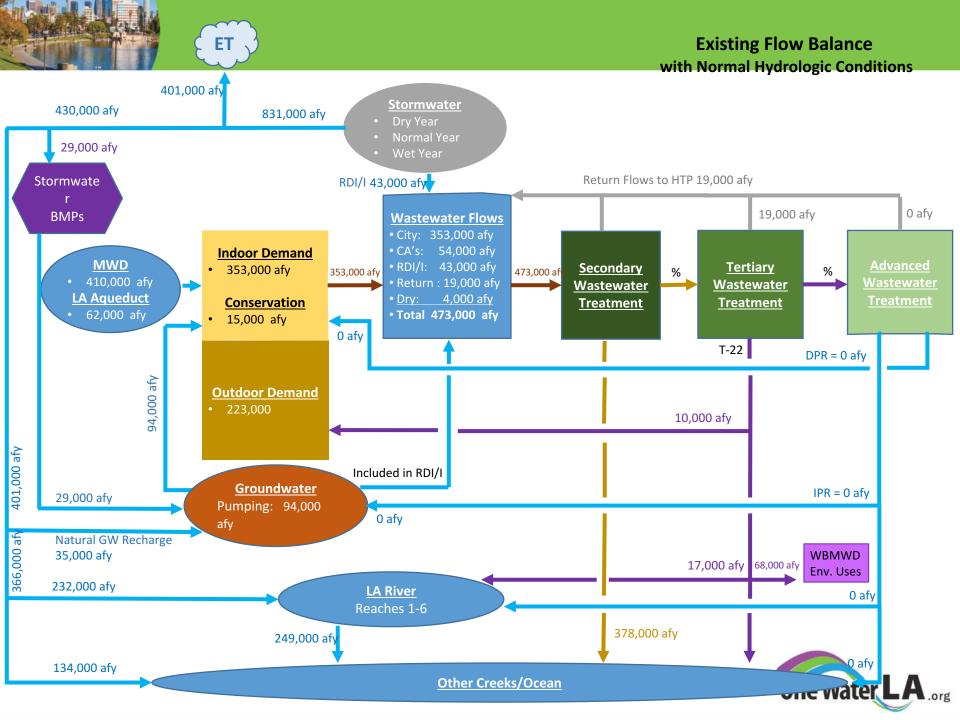


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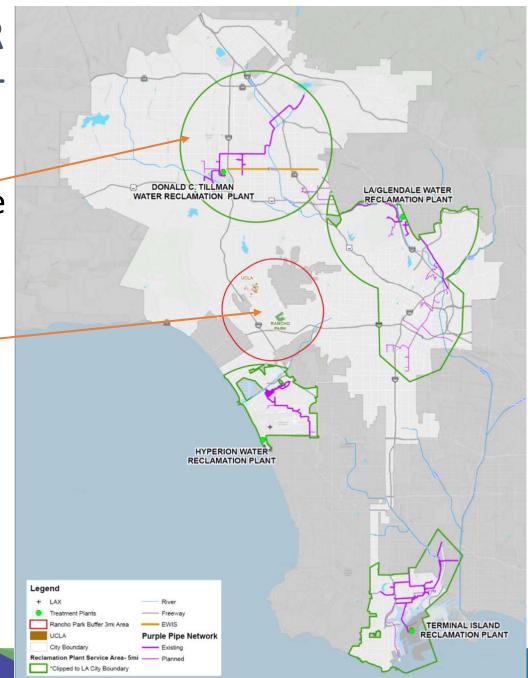
WATER BALANCE TOOL ACROSS ENTIRE CITY



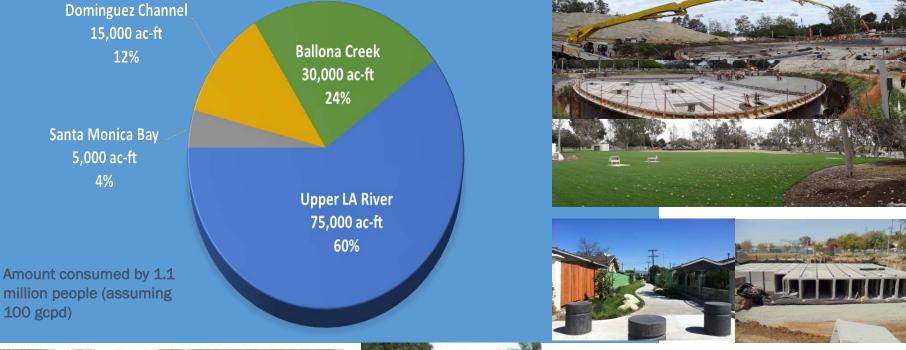


CREATIVE WATER MANAGEMENT

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



Stormwater Capture









Low Impact Development





Porous Pavement – Rio del Los Angeles State Park (aka: Taylor Yard)



Planter Boxes - Versailles Luxury Apartments Oxford St, Los Angeles



Bioretention - Sam's Club Parkway Swale Parking Lot 11th St & Hope St



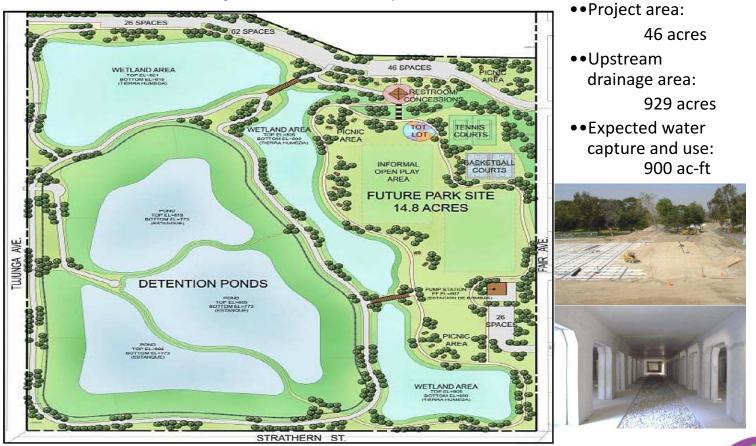
Cisterns -Lowe's



Infiltration - Costco **26**



Rory Shaw Wetlands Park – A collaborative project led by LA County in collaboration with City of LA and other partners





Garvanza Park Rainwater Capture & Use Project











South Los Angeles Wetlands Park









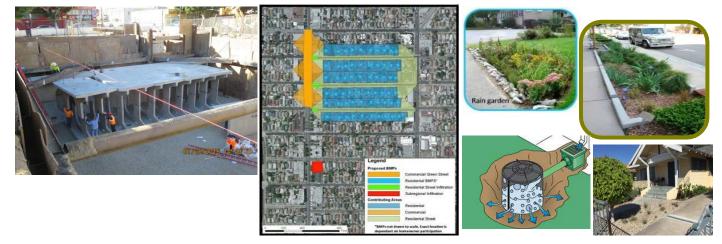
Avalon Green Alley Project







Broadway Neighborhood Greenway





Elmer Paseo Alley Greenway





Before





After



Collaboration



LASAN EARTH DAY LA 2017

Saturday, April 22nd Exposition Park

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Additional Information: www.lacity.org www.lacitysan.org www.onewaterla.org

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