



Ensuring LA's Water Future

October 4, 2018

LA Industry: Microbrewery Symposium





LA's Current Water Picture

Approximately **90%** of L.A. water supplies are imported



Challenges

- Drought
- Increasing demand
- Aging infrastructure
- More stringent regulations
- Limited funding
- Dependence on imported water
- Climate change



Sustainable City pLAn

- Reduce water use by 20% by 2017
- Reduce purchased imported water by 50% by 2025
- Reduce per capita potable water use by 25% by 2035
- Source 50% of water locally by 2035
- Create Integrated Local One Water Strategy



One Water LA: A central part of LA's efforts to reduce reliance on imported water by increasing local water supply



One Water LA Vision

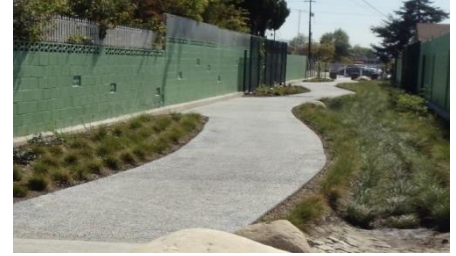
Collaborative approach to develop an integrated framework for managing the City's watersheds, water resources, and water facilities in an **environmentally**, **economically**, and **socially** beneficial manner.





Objectives

- Integrate **management of water resources** and policies
- Balance **environmental, economic, and societal** goals
- Improve health of local **watersheds**
- Improve local water **supply reliability**
- Implement, monitor, and maintain a **reliable wastewater** system
- Increase **climate resilience**
- Increase **community awareness** and advocacy for sustainable water





Integration

Conserve

Reduce demand
and make supply
last longer



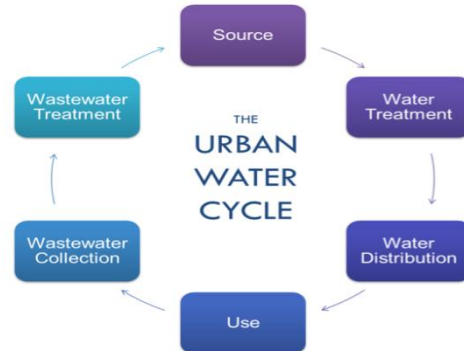
6

Reuse

Non-Potable



Potable



Capture

Centralized



Distributed





Stormwater Management

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





Example of Local Project

Riverdale Green Street



- Infiltration units capture runoff from 14 acres of residential land
- Parkway landscaping features drought-tolerant native plants

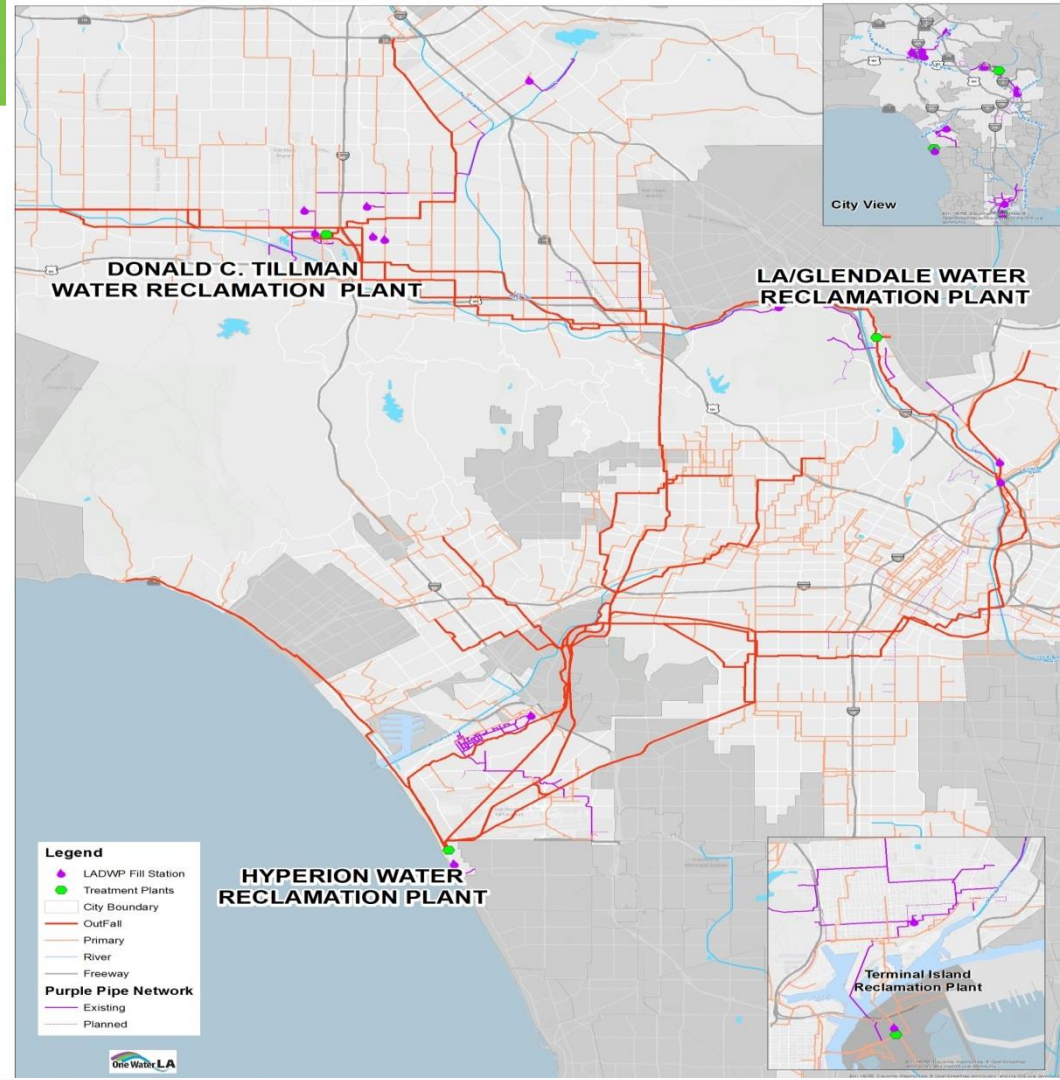




Innovation

Creative Water Management:

- Maximize recycled water production and use from existing water reclamation plants (WRPs)
- Augment sewer flows with runoff to increase water recycling
- Reconfigure sewer alignment(s) to increase flows to WRPs
- New strategically located City-owned satellite water reclamation plant(s)



- A Victory Boulevard Interceptor Alignment

- Tributary area: portions of N. Hollywood, Van Nuys/Sylmar, Pacoima Primary Sewer Basins
- Alignment: Along Victory Blvd from Vineland Ave. to DCTWRP
- Length: Approx. 6 mi
- Pipe Size: 18" to 60"

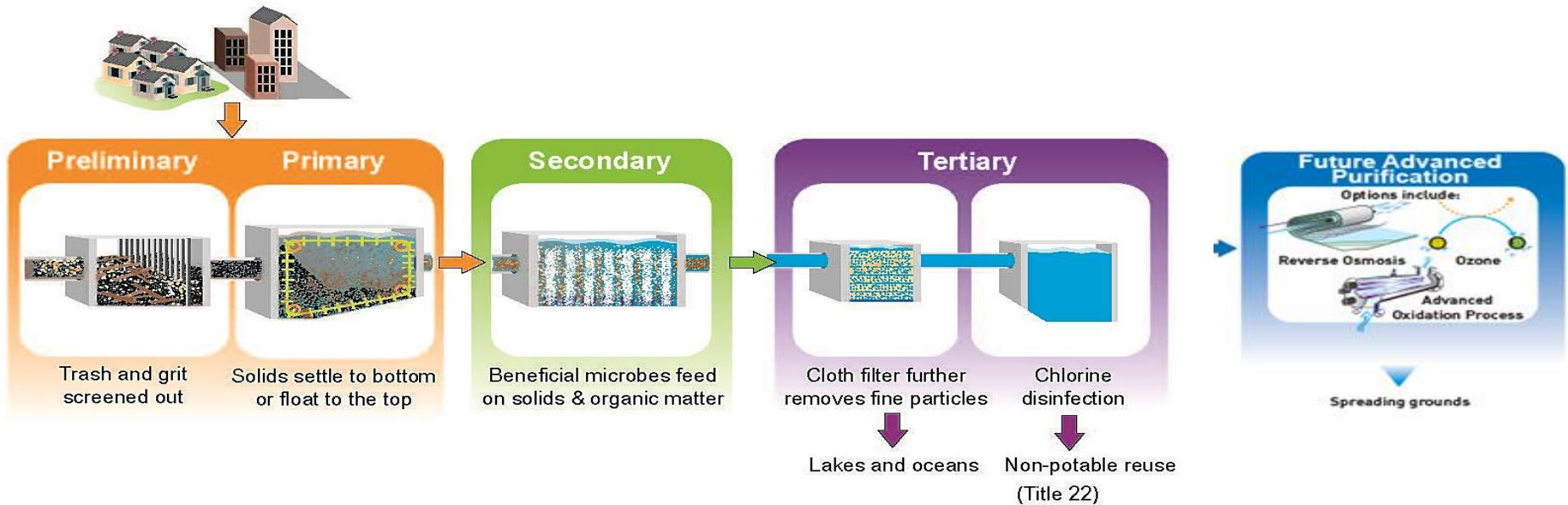


Average dry weather flows ~ 12-16 mgd
Peak dry weather flows ~ 20 mgd



Treatment

Recycled water is currently used for irrigation, commercial, industrial, and environmental uses.





Climate Change

- A key One Water LA Plan component is addressing climate change
- Climate Change Risks include:
 - Increased temperatures
 - Intense rainfall events
 - Sea water level rise
 - Infrastructure damage
- The City is evaluate impacts of climate change on key individual assets of stormwater & wastewater infrastructure

Snowpack Conditions in Sierra Nevada Mountains over last 3 years



Jan 2013

Jan 2014

Jan 2015



Port of LA has seen 3-inch sea level rise from 1932-2006



Collaboration

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

20+ Departments and Agencies Engaged:

- Water Departments and Agencies
- Transportation
- Construction and Code Enforcement
- Open Space Recreation Education
- Land Use Planning and Community

Already Producing Results

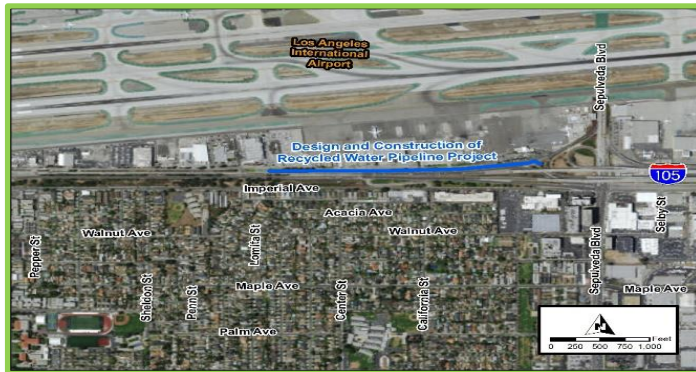
- City Engineering Specs allowing recycled water in concrete
- Working with Planning on ReCode:LA
- Working with LAUSD to increase stormwater capture
- Increasing uses for recycled water (LA Zoo)
- Leveraging resources among partners



Example of One Water Collaboration

Providing Recycled Water to LAX

- Collaboration between LADWP, LAWA, & LASAN
- Maximize recycled water use at LAX (*cooling towers, toilet flushing, irrigation*)
- Opportunity for significant public awareness/education through signage





Collaboration

Working Together to Address Complex Issues:

- Alternatives Analysis
- Project and Policy Identification
- Funding Strategies
- Partnerships

Stakeholder Meetings



Special Topic Groups



Outreach Events



Schools and Academia





One Water LA

- **Phase 1:** Lay the groundwork
(Completed 2015)
- **Phase 2:** Develop One Water LA 2040 Plan *(Completed 2018)*
- **Phase 3:** Programmatic EIR

Plan will be **LAUNCHED** October 10, 2018!

Visit www.onewaterla.org for more info

Join the conversation [@onewaterla](https://twitter.com/onewaterla)





Questions?

Additional Information:

www.lacity.org

www.lacitysan.org

www.ladwp.com/localwater

www.onewaterla.org