

The Sanitation Districts & Water Reuse

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Mission Statement

 To protect public health and the environment through innovative and cost effective wastewater and solid waste management, and in doing so convert waste into resources such as recycled water, energy, and recycled materials.





Long History of Water Reuse

REPORT UPON
THE RECLAMATION OF WATER
FROM SEWAGE AND INDUSTRIAL WASTES
IN LOS ANGELES COUNTY, CALIFORNIA

A Report Upon

THE POTENTIAL RECLAMATION

OF SEWAGE

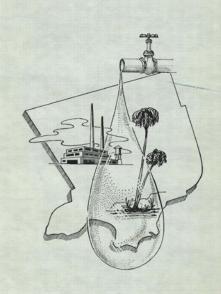
Now Wasting To The Ocean

In Los Angeles County

H. E. HEDGER

A M RAWN
CHIEF ENGINEER AND GENERAL MARAGER,
COUNTY SANTATION DISTRICTS

A PLAN FOR WATER RE-USE



FOR THE DIRECTORS

OF THE COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY, CALIFORNIA

JOHN D PARKHURST

CHIEF ENGINEER & GENERAL MANAGER

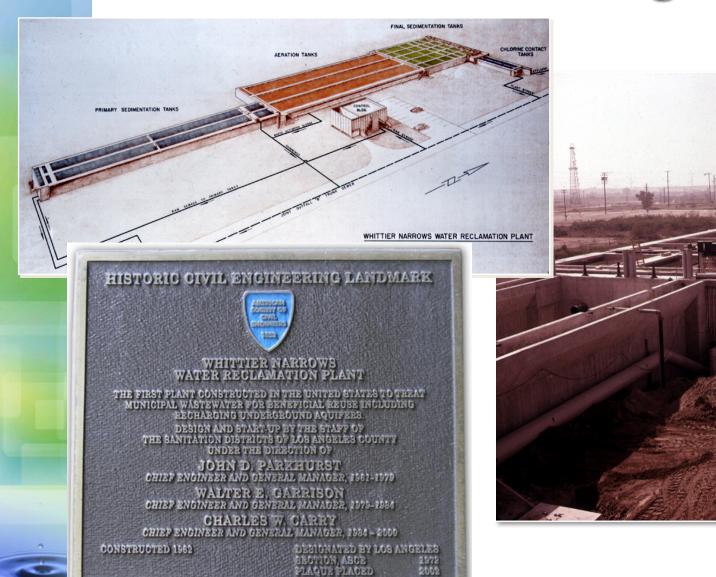
JULY 1963







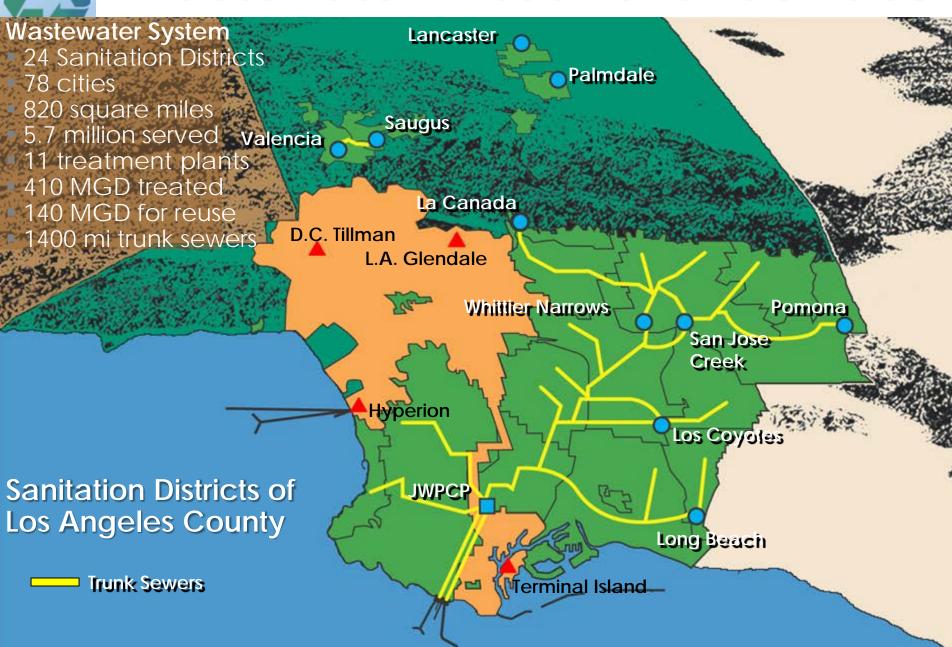
Water Reuse Begins





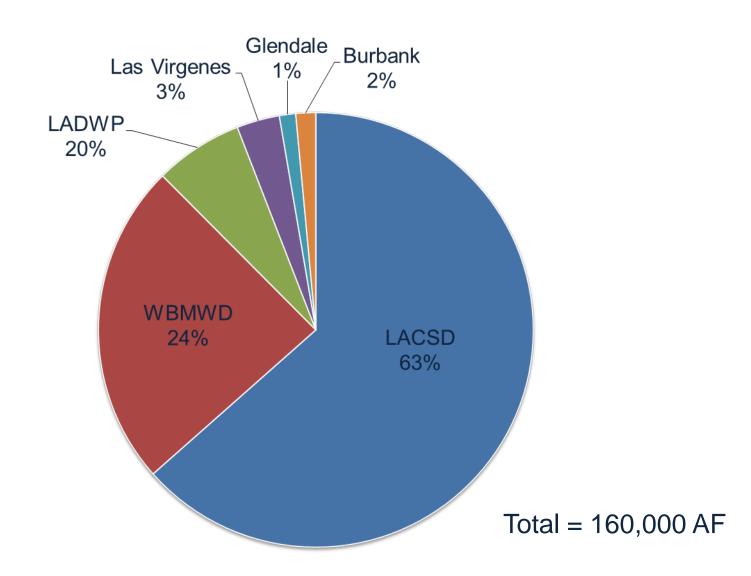


Wastewater Treatment Facilities



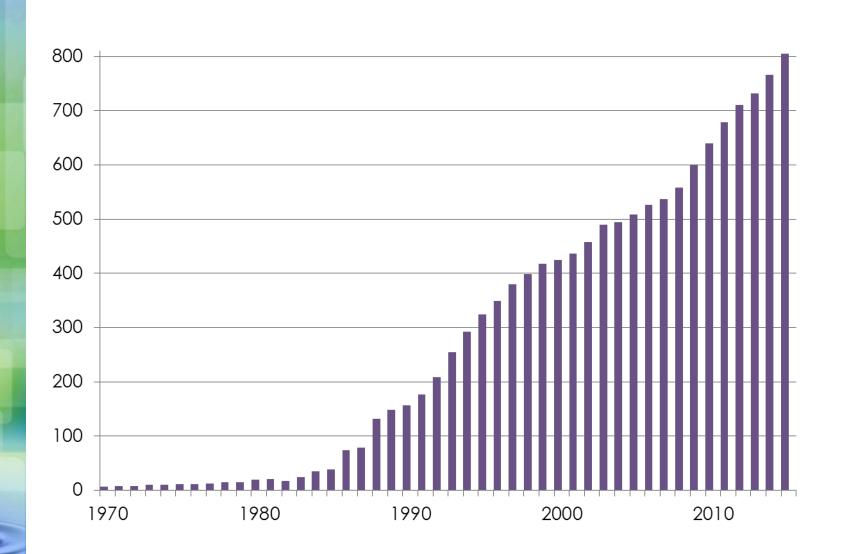


LA County Recycled Water Use



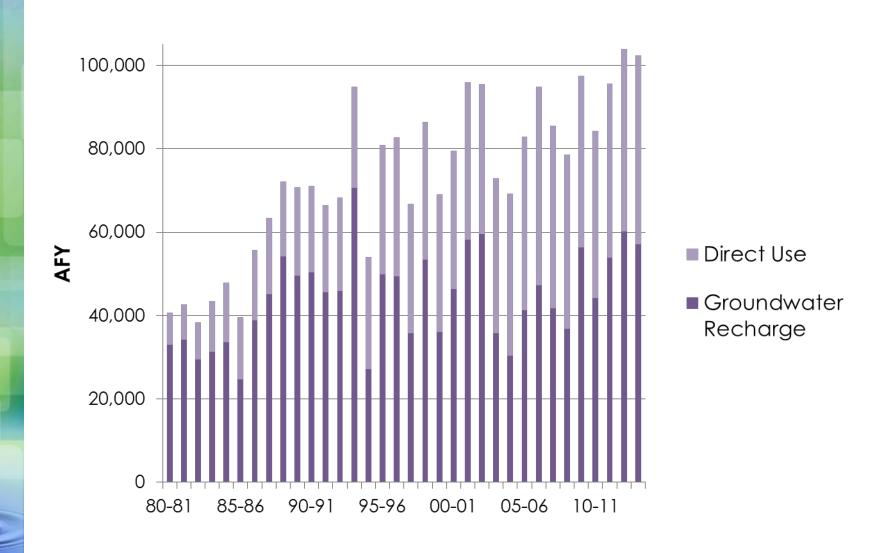


Number of Reuse Sites



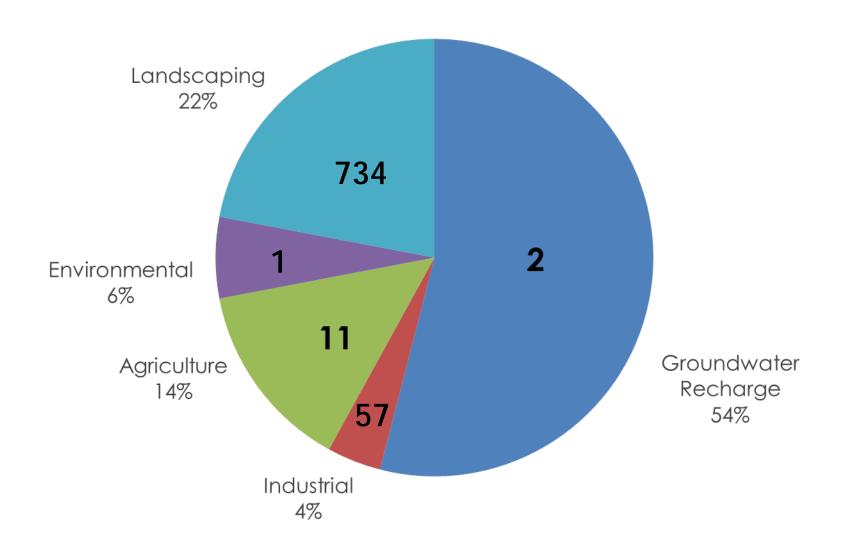


Recycled Water Usage





Distribution of Usage





Project Locations





Montebello Forebay

- Oldest planned groundwater recharge project using recycled water in California
 - Since August 1962
- 1.9 Million AF of recycled water recharged
 - Tertiary treated
- Helped pave the way for all other recharge projects



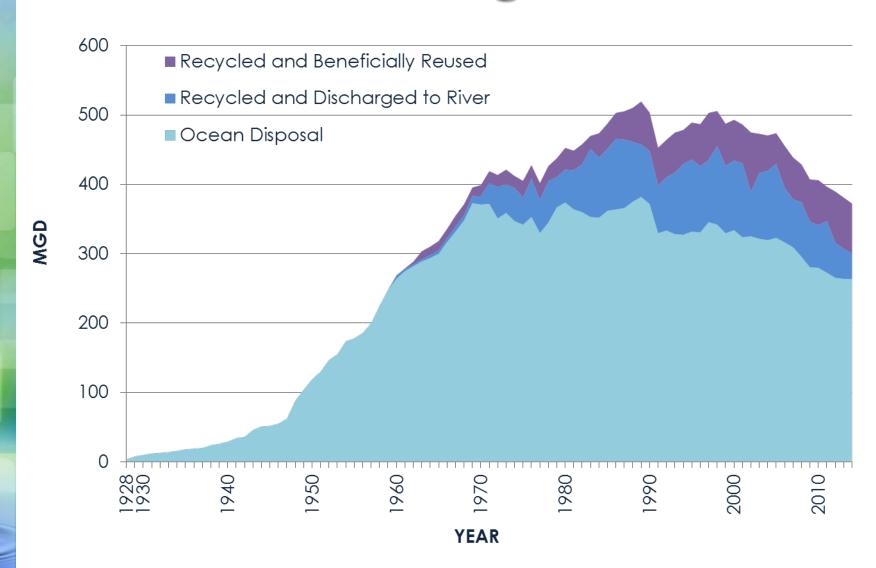








Reclamation vs. Ocean Discharge





Why Aren't We At 100% Recycle?



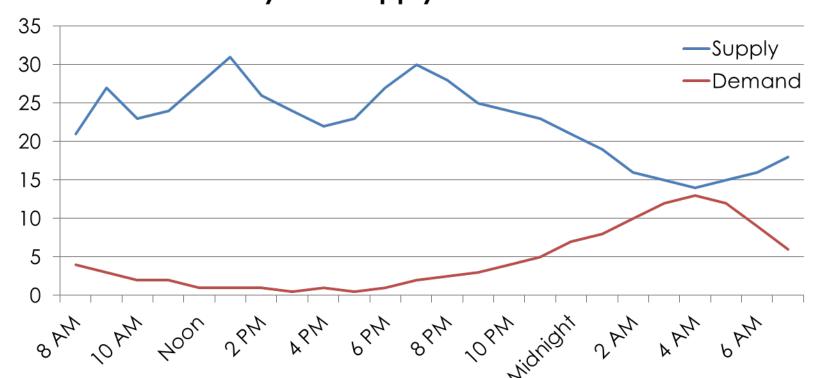




Daily Supply/Demand Offset



Daily WRP Supply and Demand

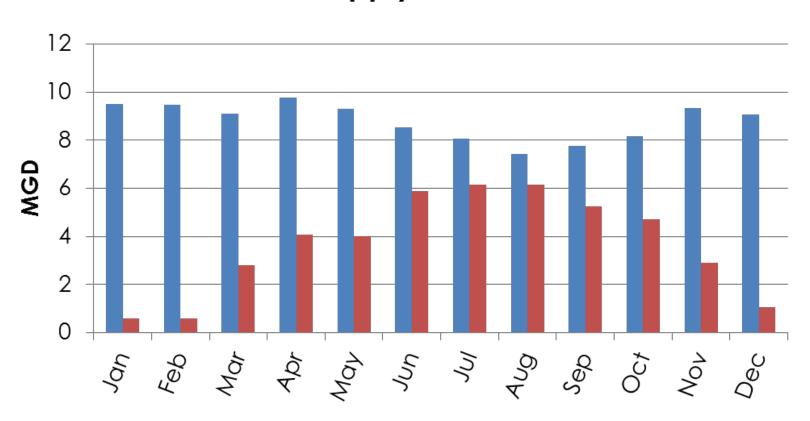






Seasonal Supply vs. Demand

Annual WRP Supply and Demand







Planning for Recharge



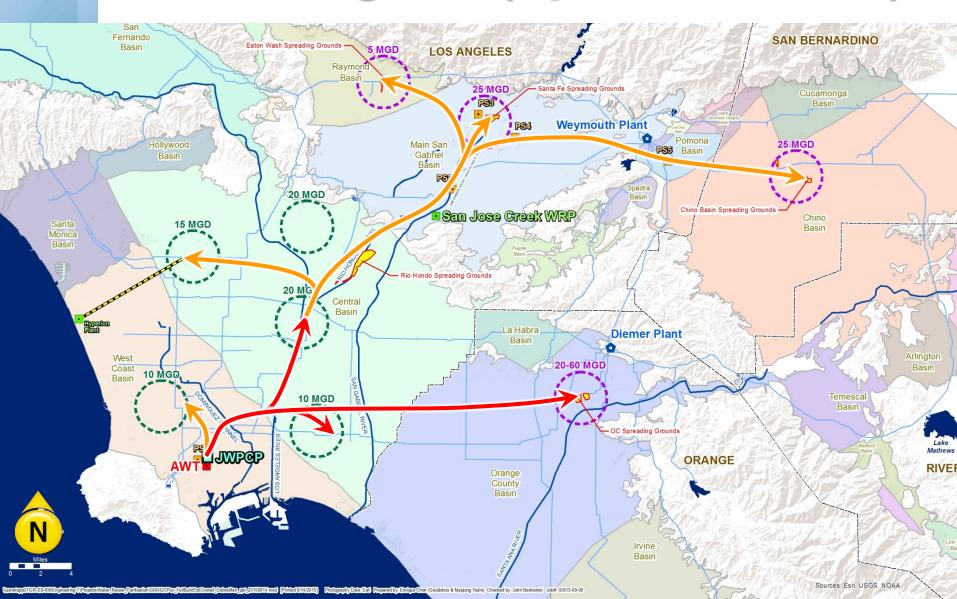


Potential Project at JWPCP





Full Program (up to 150 MGD)





Next Steps

- November 2015 Approval of an agreement by both the Metropolitan Water District and Sanitation Districts Boards
- 1 MGD demonstration project at JWPCP within two years
- Feasibility Study and Financial Plan of Larger Project
- First phase 7-8 years to implementation





Questions



