

THE LA INFRASTRUCTURE FORUM



Los Angeles County: A New Era of Sustainable Water

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REGIONAL RECYCLED
WATER INVESTMENTS FOR
LA COUNTY

ENR LA Infrastructure Forum

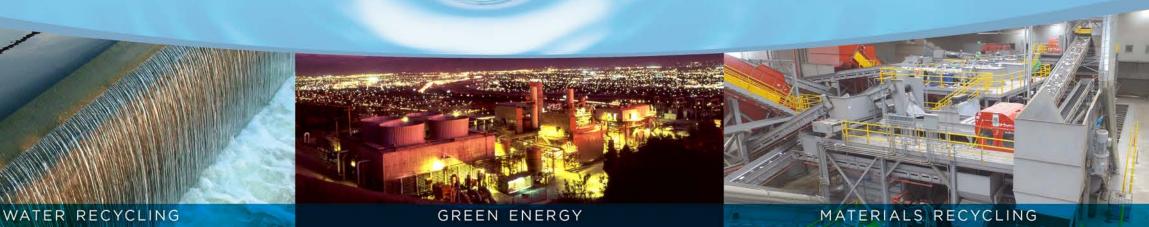
Robert Ferrante November 20, 2023





OUR MISSION

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.







Ongoing Major Construction Projects



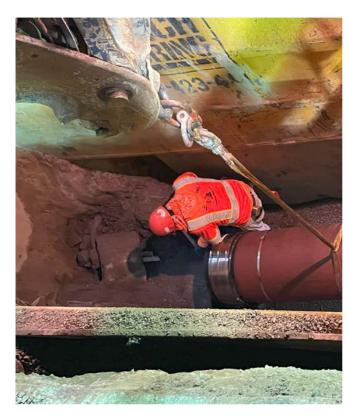




Investing in our Sewer Infrastructure









- Increasing rehabilitation projects from 10 to 30+ per year
- Additional \$100 million per year.



Investments in Resilient Infrastructure

Seismic Retrofit Program

- Ensure that all occupied buildings meet the latest seismic code
- Ensure continuity of operations after an earthquake
- Evaluate and retrofit offices and treatment plants over the next 30 years
- \$476 million budget over 30 years.

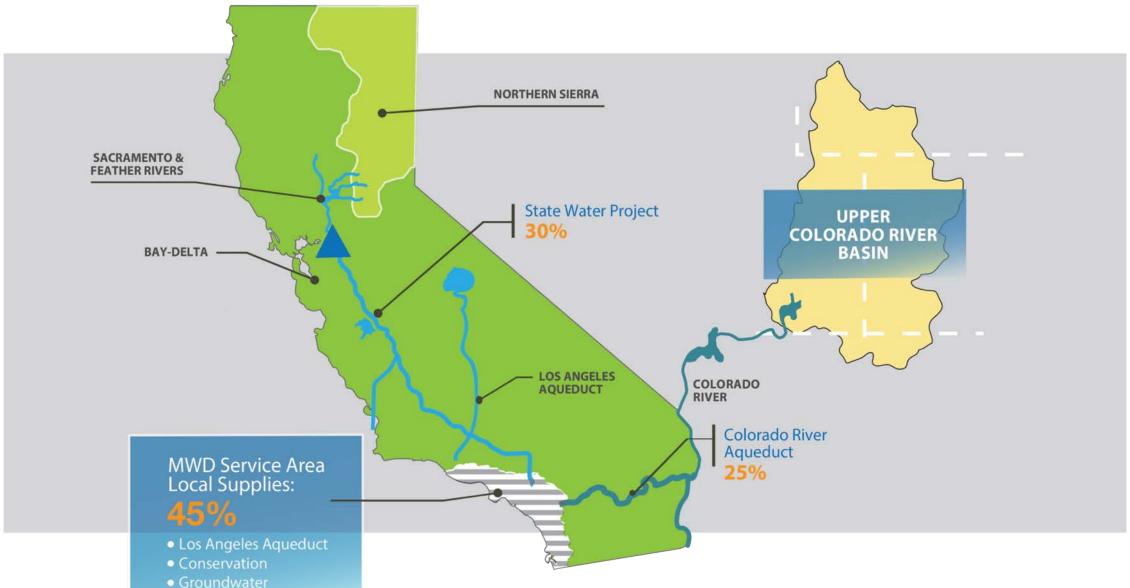
Facility Upgrades

- Many treatment plants built in the 1960's 1980's
- Upgrades and rehabilitation needed for reliability, modernization, and compliance with new regulations





Water Sources for Southern California

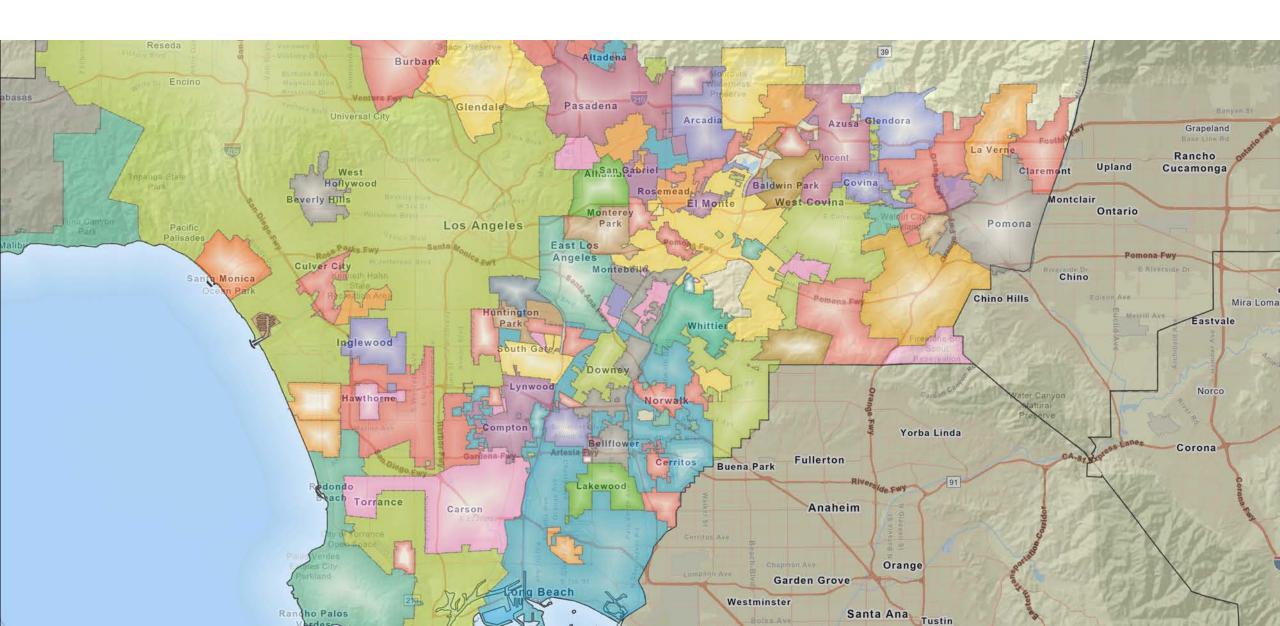








The LA Basin Water Purveyors



Key Factors in Regional Water Solutions





PUREWOTER

SOUTHERN CALIFORNIA How it works











1

Used water (wastewater) from homes, businesses, and industries in LA County 2

Cleaned at Sanitation Districts' A.K. Warren Water Purification Facility 3

Purified at Metropolitan's advanced water purification facility 4

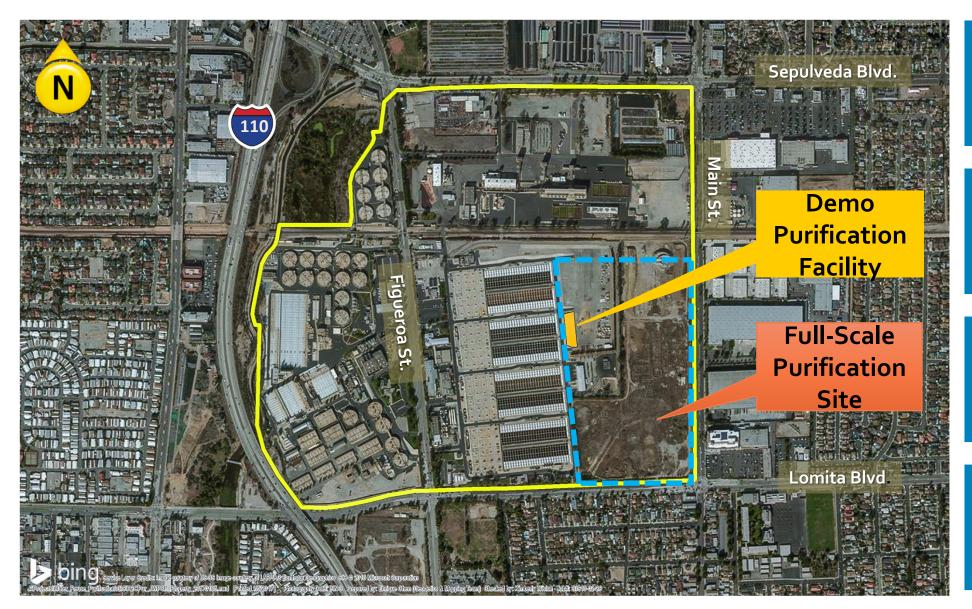
Conveyed
through over 60
miles of pipeline
to groundwater
basins,
industries, or
Metropolitan's
drinking water
plants

(5)

A new climateresilient source of water for Southern California



Harvesting Water from the Warren Facility



Average flow of ~250 million gallons daily

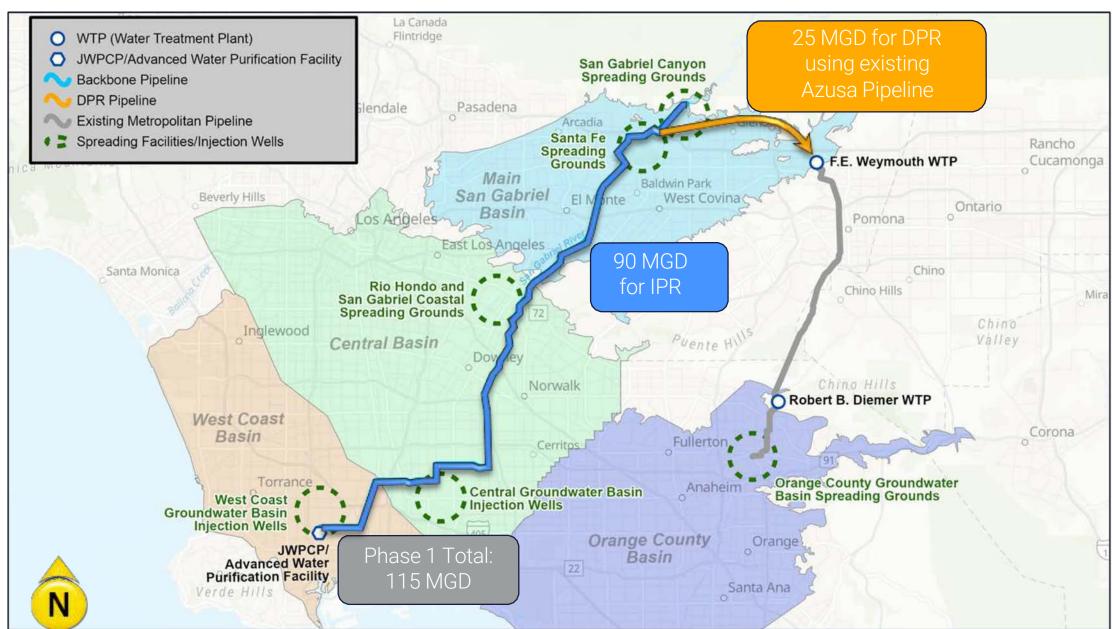
Capacity of 400 million gallons daily

Cleaned water flows to the ocean

Largest untapped source of treated wastewater

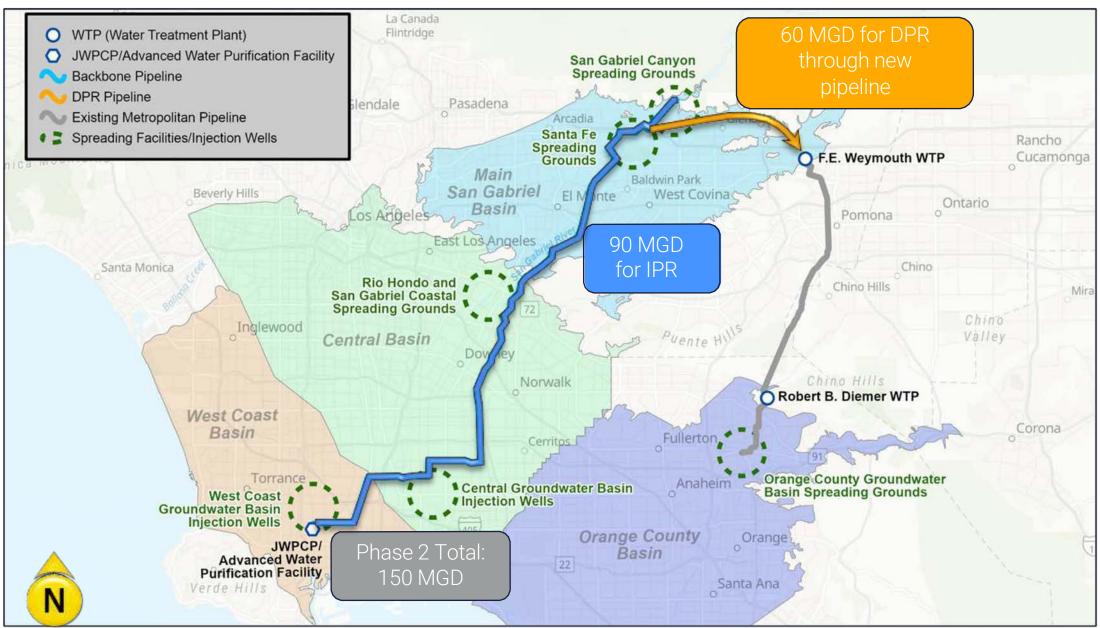


Program Overview – Phase 1





Program Overview – Phase 2







Program Partners



Metropolitan Member Agencies















Groundwater Basin Managers





Colorado River Partners







Other Key Partners









Project Status and Schedule

2021-2025

Environmental Planning

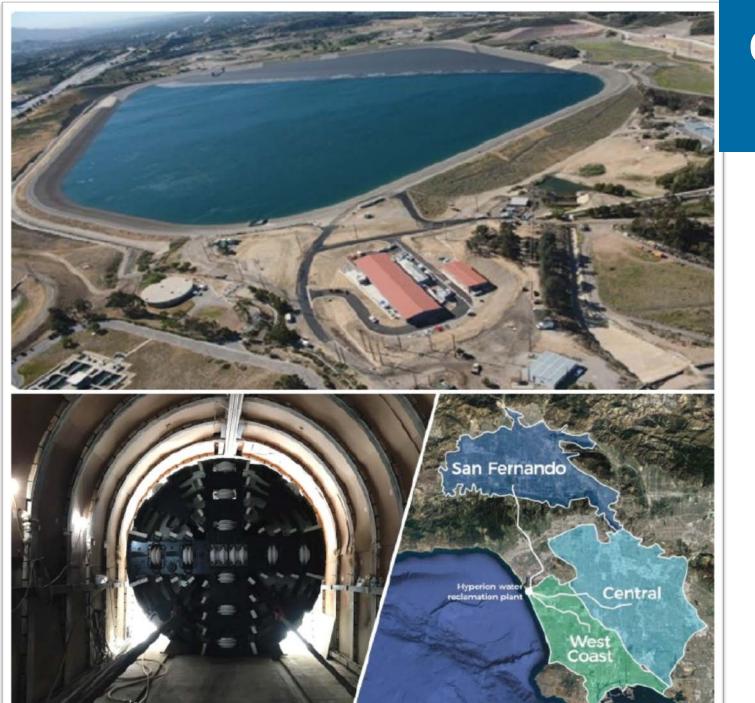
2024-2035

Design & Construction

2031-2035

Phase 1 Startup & Operations





Operation NEXT Water Supply Program

Objective:

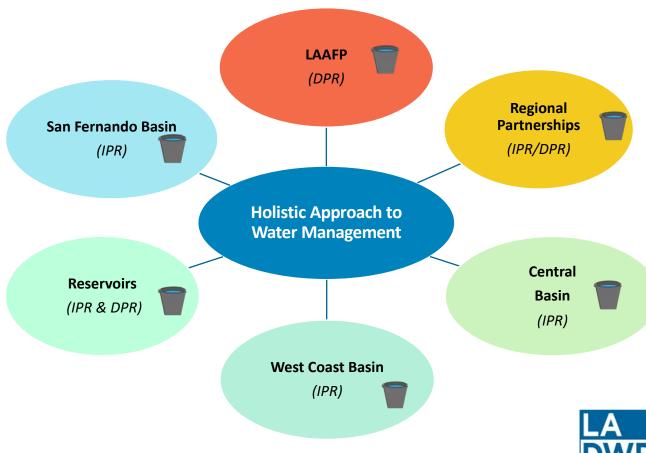
Maximize supply from the Hyperion Water Reclamation Plant for **beneficial reuse** for the City of Los Angeles.



Operation NEXT Supply Management



- ✓ Los Angeles Aqueduct Filtration Plant (LADWP)
 - ✓ Origin of most of supply for LA
- **✓ Hyperion Water Reclamation Plant** (LASAN)
 - ✓ Future Advanced Water Purification Facilities



Operation NEXT Partnerships



Groundwater Basin Managers





Agency Partners















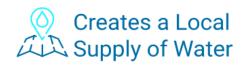
Benefits of Both Programs

Water Supply Benefits









Environmental Benefits







Economic And Social Benefits











Questions?

www.mwdh2o.com/purewater
www.ladwp.com/operationNEXT





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