

Recycle, Recharge, & Reuse – Innovative Solutions to California's Water Challenges

Presented to

WaterReuse LA

Presented by

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INTERA Overview

Purpose Statement:

Innovation and Stewardship for a Sustainable Tomorrow

A staff of more than 250 scientists and engineers

- Geologists
- Hydrogeologists
- Geochemists
- Toxicologists
- Hydrologists
- QA Specialists

- GIS Specialists
- Environmental Scientists
- Hydraulic Engineers
- Risk Assessors
- Environmental Engineers
- Water Resource Engineers



Supporting Clients across Multiple Lines of Business



























Mining & Environmental















Federal, Coastal, & International









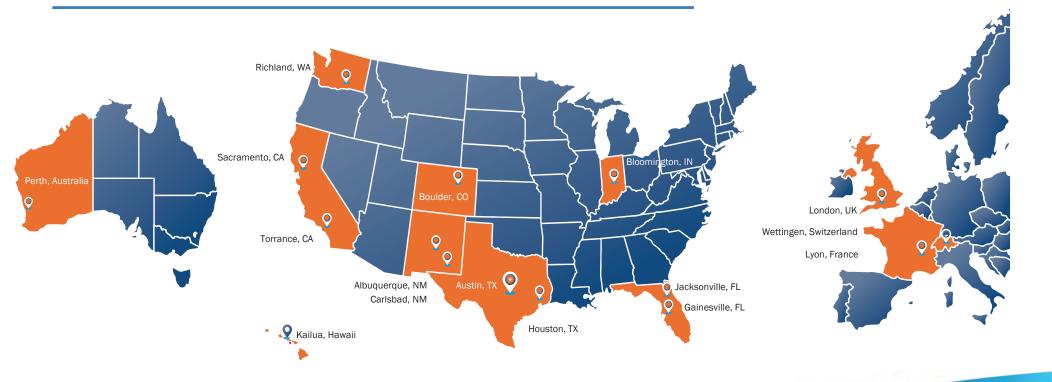






SCOTT

INTERA Locations





INTERA CULTURE - Core Values



Stewardship

We are dedicated to sustaining and enhancing our human and natural resources. We thoughtfully approach our decisions and actions with a long-term mindset.



Accountability

We take individual and collective ownership of our words, actions, and commitments.



Safety

We execute our mission with the highest regard for the safety, health, and wellbeing of our colleagues, contractors, and the public.



Integrity

We conduct ourselves with honesty, openness, and respect for all persons and organizations.



Innovation

We cultivate innovation and continuous improvement, while balancing creativity with accountability.



Teamwork

We foster teamwork through collaboration, synergy, and empowerment of each valued member in the INTERA community.



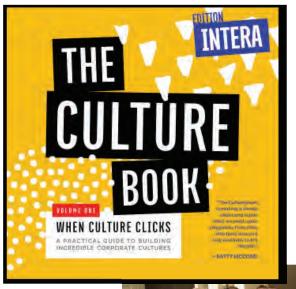
Quality

We are committed to achieving and delivering the highest quality solutions that provide the best value to our clients, colleagues, and communities.

Recognized Culture and Workplace















2025 Culture Excellence Top Workplace Award



GIVING BACK – WELL AWARE (KENYA)



well**∮aware**

PAGE



2020

OUR IMPACT

We provide innovative and sustainable solutions to water scarcity and contamination in East Africa.

TO DATE, WE HAVE TRANSFORMED MORE THAN A QUARTER OF A MILLION LIVES THROUGH CLEAN WATER.

Our life-saving clean water systems drive economic development and empower communities.

Since 2010, we've completed over 70 projects across East Africa.

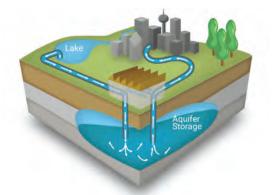
Well Aware is a 501(c)(3) nonprofit with headquarters in Austin, Texas

TANZANIA

Water Resources & Supply - LoB



Water Planning



Aquifer, Storage, & Recovery (ASR/MAR)



Supply Development









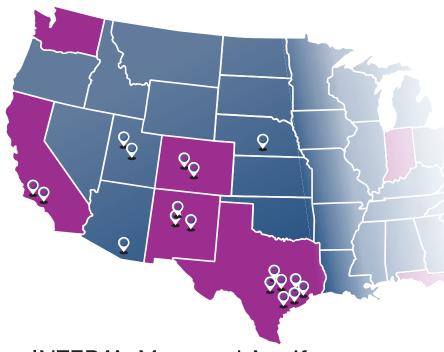
Specialized Expertise in Recycled Water Recharge

- Planning and Feasibility Studies
- Hydrogeologic Data Collection & Characterization
- Water Systems and Groundwater Modeling
- Title-22 Permitting & Regulatory Compliance
- Well Design and Installation
- Groundwater Monitoring
- Tracer Study Design & Implementation
- Operational Optimization





INTERA brings the requisite expertise to fully assess INTERA and implement Recycled Water Recharge Strategies



























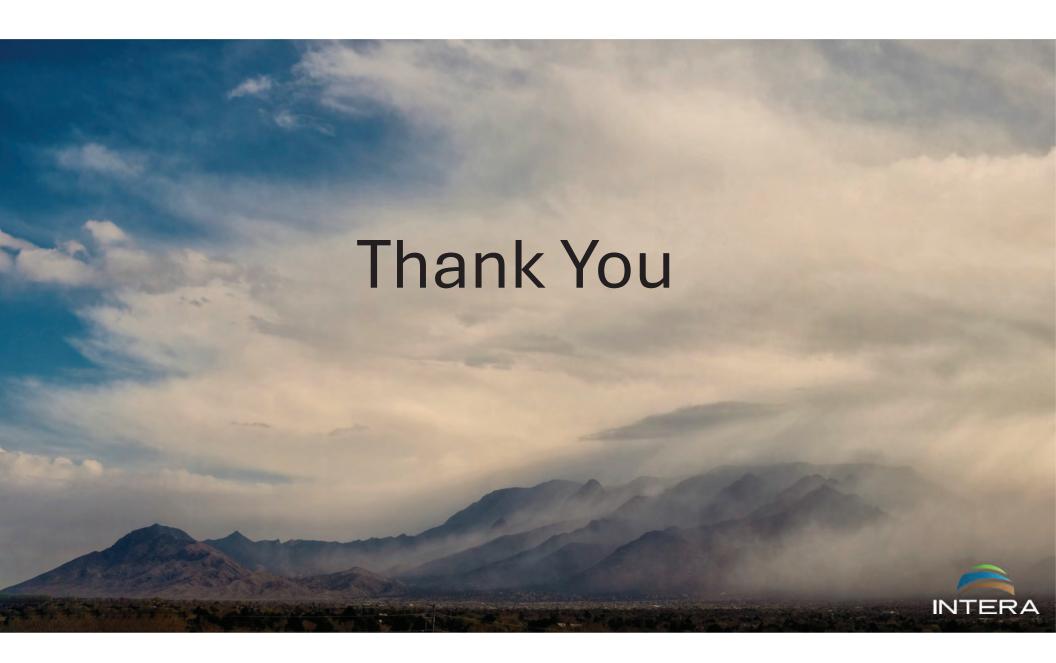














Albert Robles Center for Water Recycling and Environmental Learning



Case Study: Design vs. Actual

SECURING OUR WATER FUTURE TODAY

WRD is a Groundwater Management Agency



- 43 Cities in Southern L.A. County
- 420 Square Miles
- 4 Million People
- Over 10% of California's Population
- Second Largest Water District by Population in California
- Groundwater Makes up Nearly 50% of the Region's Water Demand
- 450,000 Acre-Feet (150 Billion Gallons) of Useable Groundwater Storage

WRD Operates Three Facilities that Benefit the Basins

Albert Robles Center for Water Recycling & Environmental Learning



WRD's Albert Robles Center purifies 14 million gallons of water per day, providing a locally sustainable water supply for groundwater replenishment while bolstering drought-resiliency.

Leo J. Vander Lans **Advanced Water Treatment Facility**



The Leo J. Vander Lans Facility purifies 8 million gallons of water per day for use in coastal injection wells, preventing seawater intrusion and providing supplemental groundwater replenishment.

Robert W. Goldsworthy Groundwater Desalter



The Goldsworthy Desalter uses reverse osmosis to treat 5 million gallons per day of brackish (salty) groundwater that is trapped inland due to historical seawater intrusion.

WRD Manages the Basins through Multiple Roles



Replenishment



Monitoring



Cleanup



Water Recycling



Basin Modeling



Regional Watermaster

What is "Imported Water"?



Colorado River Aqueduct. Image courtesy of the Metropolitan Water District



Imported water is surface water (largely snowmelt) transported from watersheds hundreds of miles away

Los Angeles Aqueduct

LA Dept of Water & Power

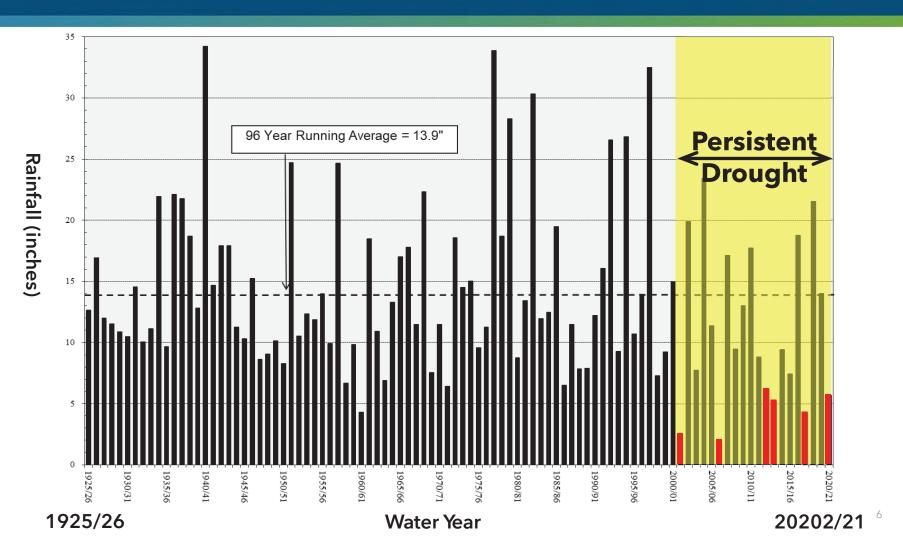
California Aqueduct

Metropolitan Water District

Colorado Aqueduct

Metropolitan Water District

Persistent Drought for Two Decades

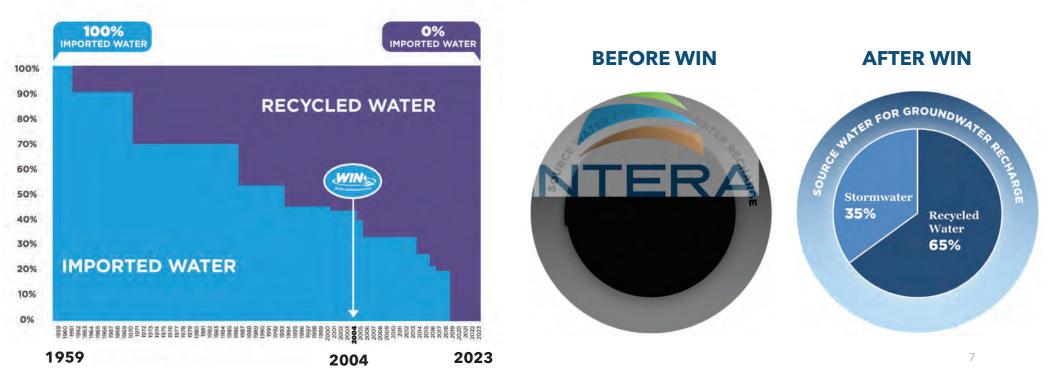


WRD Completed Water Independence Now Program (WIN)



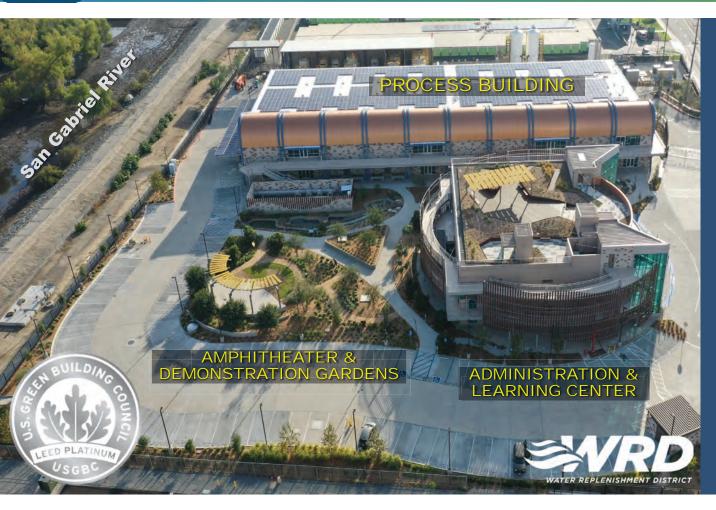
Collection of projects that offset the demand for imported water to replenish the Montebello Forebay groundwater aquifers.

ARC AWTF was capstone of WIN





Welcome to WRD's Albert Robles Center!





ARC AWTF constructed in 2019



Produces 14.8 MGD of advanced treated recycled water for groundwater recharge



Features a museumgrade learning center



LEED Platinum Certified



995 Solar Panels



Rooftop Garden

}

ARC's Secondary Purpose is Water Education











40 bilingual water exhibits throughout the facility













Over an acre of demonstration gardens 9

