



Los Angeles  
Department of  
Water & Power



# LA Groundwater Replenishment (GWR) Executive Overview

**DWP-NC MOU Oversight & Advocacy Committee**  
**June 5, 2026**





Los Angeles  
Department of  
Water & Power

# LADWP – Water System

## Groundwater Replenishment Project (GWR)

Donald C. Tillman – 100% Reuse



Los Angeles  
Groundwater  
Replenishment  
Project

Advanced Water  
Purification Facility



Los Angeles  
Department of  
Water & Power

Jacobs  
Trussell

Hazen  
California  
CREATIVES

carollo  
Woodard & Curran

## KEY POINTS

1. GWR is the Largest Water Project in the State
2. New Sustainable & Climate Resilient Water Supply
3. 45 MGD → 500,000 Customers
4. Start to Finish in 5 Years
5. \$1B Investment & Secured \$438M of External Funding





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## STATUS OF GWR



SUSTAINABLE  
AND  
SAFE  
WATER

# LADWP – Water System

## Groundwater Replenishment Project (GWR)

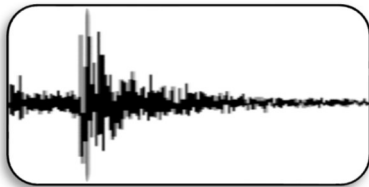
Donald C. Tillman – 100% Reuse



## Why Does This Matter to LA...90% of Water is Imported



Climate Change



Seismic Risk to Imported Supplies



Local Groundwater Contamination in the San Fernando Basin



Los Angeles Aqueduct  
Environmental Mitigation at Owens Lake & Mono Lake



Colorado River Aqueduct



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# LADWP – Water System

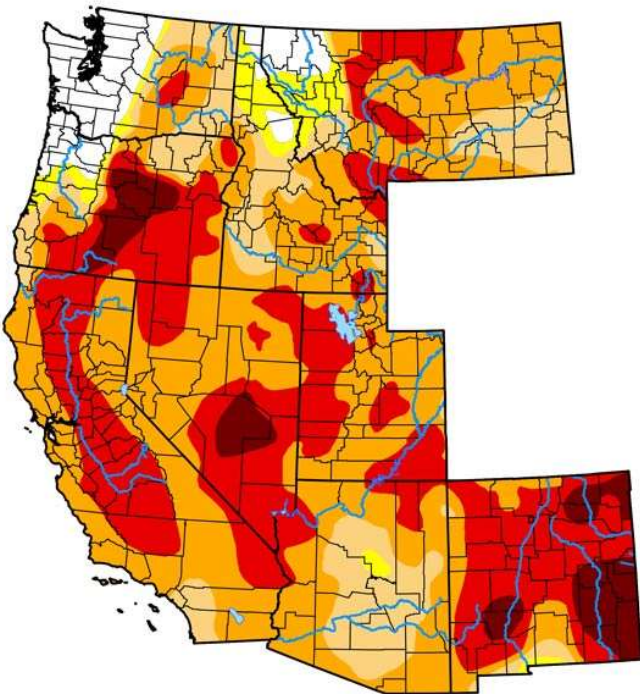
## Groundwater Replenishment Project (GWR)

### Donald C. Tillman – 100% Reuse



# Western US Water Challenges

U.S. Drought Monitor  
West



May 3, 2022  
(Released Thursday, May. 5, 2022)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.64	94.36	91.09	77.25	35.71	5.52
Last Week 04-26-2022	6.12	93.88	91.28	79.44	37.24	4.58
3 Months Ago 02-01-2022	4.75	95.25	87.08	63.93	21.08	3.89
Start of Calendar Year 01-04-2022	4.43	95.57	87.78	64.63	25.30	4.75
Start of Water Year 09-28-2021	1.32	98.68	93.35	81.07	58.72	21.77
One Year Ago 05-04-2021	3.75	96.25	84.88	70.88	52.88	23.79

**Intensity:**

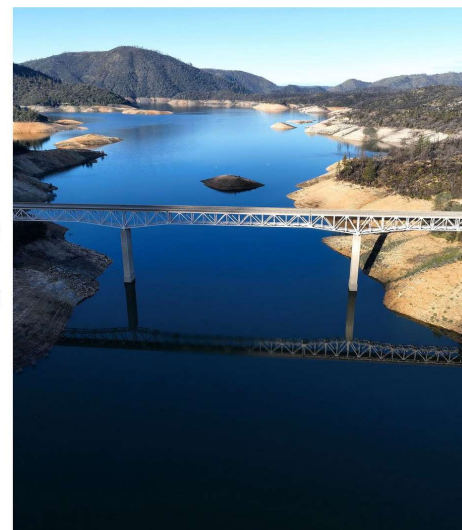
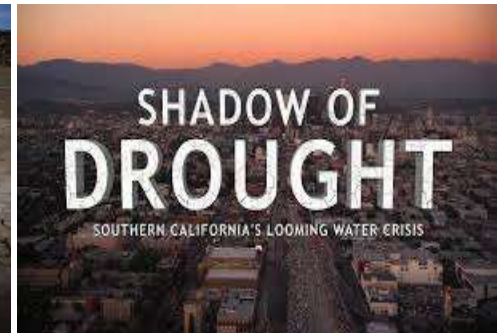
None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

**Author:**  
David Simeral  
Western Regional Climate Center



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)





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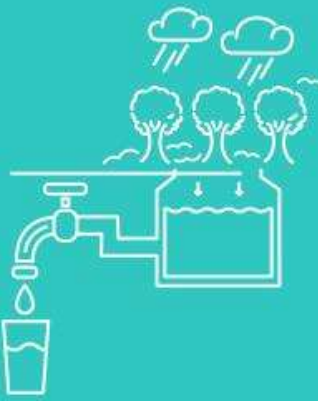
### Donald C. Tillman – 100% Reuse



## What Are We Doing to Address Challenges?




Recycle  
**100%**  
of Waste Water  
by 2035



Source  
**70%**  
of all water locally  
by 2035

Reduce Potable Water Use

**22.5%** By 2025      **25%** By 2035



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## PROJECT OVERVIEW

1. GWR Increases Sustainability of Our Water Supply
2. GWR Project Objectives:
  - ✓ New Water Supply - 500,000 Angeleno's
  - ✓ Replenish the San Fernando Groundwater Basin with Purified Recycled Water
3. Investment of \$1.0 Billion in Next 2 Years & \$438M Secured
4. Start Construction in 2024 & Complete in 2027
5. Balance Water Supply with Environmental & Recreation Needs



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#### JAPANESE GARDEN BYPASS

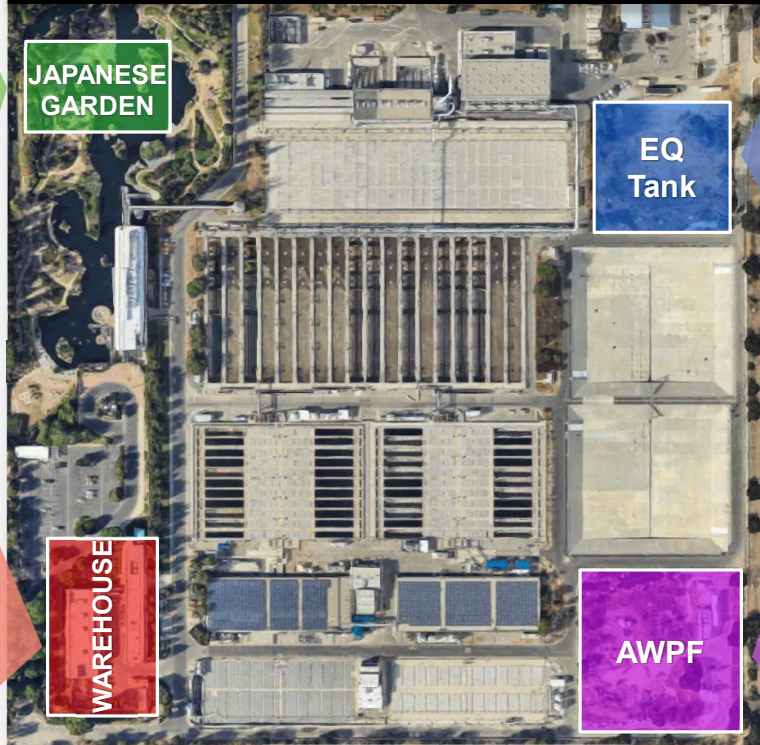
**Scope:** Divert 4 MGD of Tertiary Water for AWP  
**Construction:** Aug. 2025 – June 2026  
**Contractor:** Kiewit



#### Donald C. Tillman Water Reclamation Plant

JAPANESE  
GARDEN

EQ  
Tank



WAREHOUSE

AWPF

#### PRIMARY EQUILIZATION TANKS

**Scope:** 9.2 MG (2 EQ Tanks each 4.60 MG)  
**Construction:** Dec. 2025 - July 2027  
**Contractor:** Jacobs



#### MAINTENANCE & WAREHOUSE

**Scope:** 47,000 sq. ft of Office Space  
**Construction:** Oct. 2025 - Dec. 2027  
**Contractor:** Ford EC



#### AWPF & LEARNING CENTER

**Scope:** 45 MGD & Education Center  
**Construction:** Dec. 2024 - Dec. 2027  
**Contractor:** Jacobs





# City of Los Angeles Groundwater Replenishment Project





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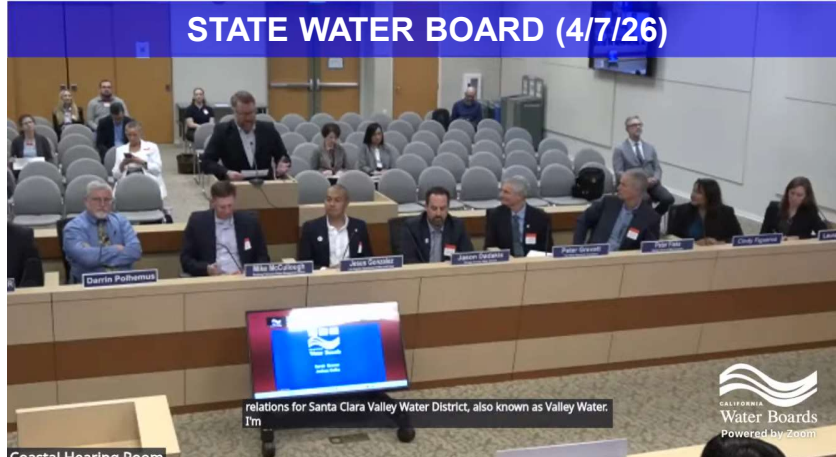
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MAYOR BASS EVENT (4/16/26)



STATE WATER BOARD (4/7/26)



MEETING WITH NGO'S (4/14/26)



NATIONAL WATER POLICY EVENT IN DC (4/16/26)

**Message from EPA Assistant Administrator for Water Jess Kramer**

**Water Reuse Action Plan 2.0**  
Multiplying Water Benefits, Maximizing American Prosperity

*It is a critical time for water. Our nation's water needs are changing rapidly thanks to evolving community needs, manufacturing growth, the artificial intelligence (AI) and data center revolution, increasing energy production, and other economic opportunities. In this dynamic context, water reuse has never been more important.*

*Water reuse offers a tremendous opportunity to strategically treat wastewater for specific purposes. By reusing water purposefully and intelligently, our communities can be healthier and stronger, U.S. industries can operate more efficiently, and our economy can grow faster. That is why I am excited to announce that the EPA and its partners are reinvigorating the Water Reuse Action Plan, or "WRAP 2.0." This renewed initiative builds on the foundation that was established six years ago by the first ever national framework for advancing water reuse. WRAP 2.0 unleashes the power of water reuse and American ingenuity to grow our economy, while supporting public health and strengthening water resources.*

*Under Administrator Zeldin's leadership, the EPA is bringing a fresh focus to water reuse. We are emphasizing reuse for industry, the technology sector, and energy dominance. WRAP 2.0 cultivates new collaborative partnerships to capitalize on innovative opportunities that address the nation's greatest needs. For example, WRAP 2.0 will accelerate water reuse for data center cooling, semiconductor manufacturing, electricity generation, oil and gas operations, agriculture, auto manufacturing, and food and beverage production. At the same time, we will look to showcase water reuse strategies in the sports industry—particularly reuse practices at U.S. stadiums and venues that will host 2026 FIFA World Cup matches and the 2028 Summer Olympic and Paralympic games. As we develop new pathways to elevate and expand water reuse, the EPA and its partners remain committed to the needs of communities large and small, ensuring that WRAP 2.0 delivers innovative solutions that can benefit all Americans.*

*In launching WRAP 2.0, EPA and its partners are establishing a renewed vision and focus for water reuse. We are highlighting leadership that is already occurring, announcing new WRAP commitments, and calling for action to accelerate water reuse over the next decade.*

*Water is our most vital resource. WRAP 2.0 aims to unlock its full potential to drive economic growth, safeguard public health, and advance American prosperity. Join us as we embark on this collaborative effort.*

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## SIGNIFICANT SUPPORT FOR GWR

- **Total Capital Cost: \$1.0 Billion**

- **Funding Secured: \$438M**

- WIFIA - \$224M Loan
- SWRCB - \$5M Grant **(NOW \$15M)**
- MWD LRP - \$139M Grant
- Bureau of Rec. - \$60M Grant

- **California Water Board**



GWR awarded \$30M Title XVI Bureau of Reclamation Grant (May 2024)



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### FINAL POINTS ON GWR

1. Milestone Achievement for City of LA
2. GWR – Largest Water Project in Entire State &
3. Complete by 2027... just in Time for the '28 Olympics



## Los Angeles Groundwater Replenishment Project

### Advanced Water Purification Facility

- Climate resilient local water supply
- New water supply for 500,000 Angelenos
- One of California's largest water projects
- State-of-the-art water treatment facility and education center
- Complete by 2027
- Located at the Donald C. Tillman Water Reclamation Plant





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Groundwater Supply / Replenishment

# QUESTIONS