



Subcommittee on Pure Water Southern California and  
Regional Conveyance

# Pure Water Southern California Demand Projections

Item 3d

March 26, 2024

Item 3d  
PWSC  
Demand  
Projections  
and  
Considerations  
Update

Subject

Pure Water Southern California Demand Projections and Considerations Update

Purpose

To provide an update of the demand projections for Pure Water Southern California

Next Steps

Begin term sheet and agreement development with Pure Water Southern California project partners

# PWSC Demand Objectives

Target of 115 mgd by 2032

Replenishment  
Demands

Non-  
Potable  
Demands

Direct  
Potable  
Reuse

# Other Considerations for Pure Water Deliveries

## SWP Dependent Areas

- Serves SWP dependent areas, including:
  - Main San Gabriel Basin
  - Central Basin

## Regional Program

- Raw water augmentation (RWA) directly serves multiple member agencies
- All Metropolitan member agencies benefit from program

## Online Factor

- Water production planned to be 92% online
- Demands identified must be relatively constant

# Demand Projection Process



LOIs  
2018-2022

- Completed in 2022
- Signed by each party
- Identified “anticipated” quantity of PWSC supply
- Non-binding
- Expressed intent to work together to develop program terms

Outreach with MA  
2022-present

- Multiple sessions with member agencies and groundwater managers focusing on how to maximize Pure Water deliveries
  - Spreading basins
  - New and existing injection wells
  - Non-potable users

# Demand Projections for PWSC

## What's included in Phase 1 (115 mgd /119 TAFY) of Pure Water?

### Replenishment Demands 68 TAF

- Central Basin  
9 TAF
- Main San Gabriel Basin  
56 TAF
- West Coast Basin  
3 TAF

### Non-Potable Demands 25 TAF

- LADWP  
9 TAF
- West Basin MWD  
16 TAF

### Raw Water Augmentation 26 TAF

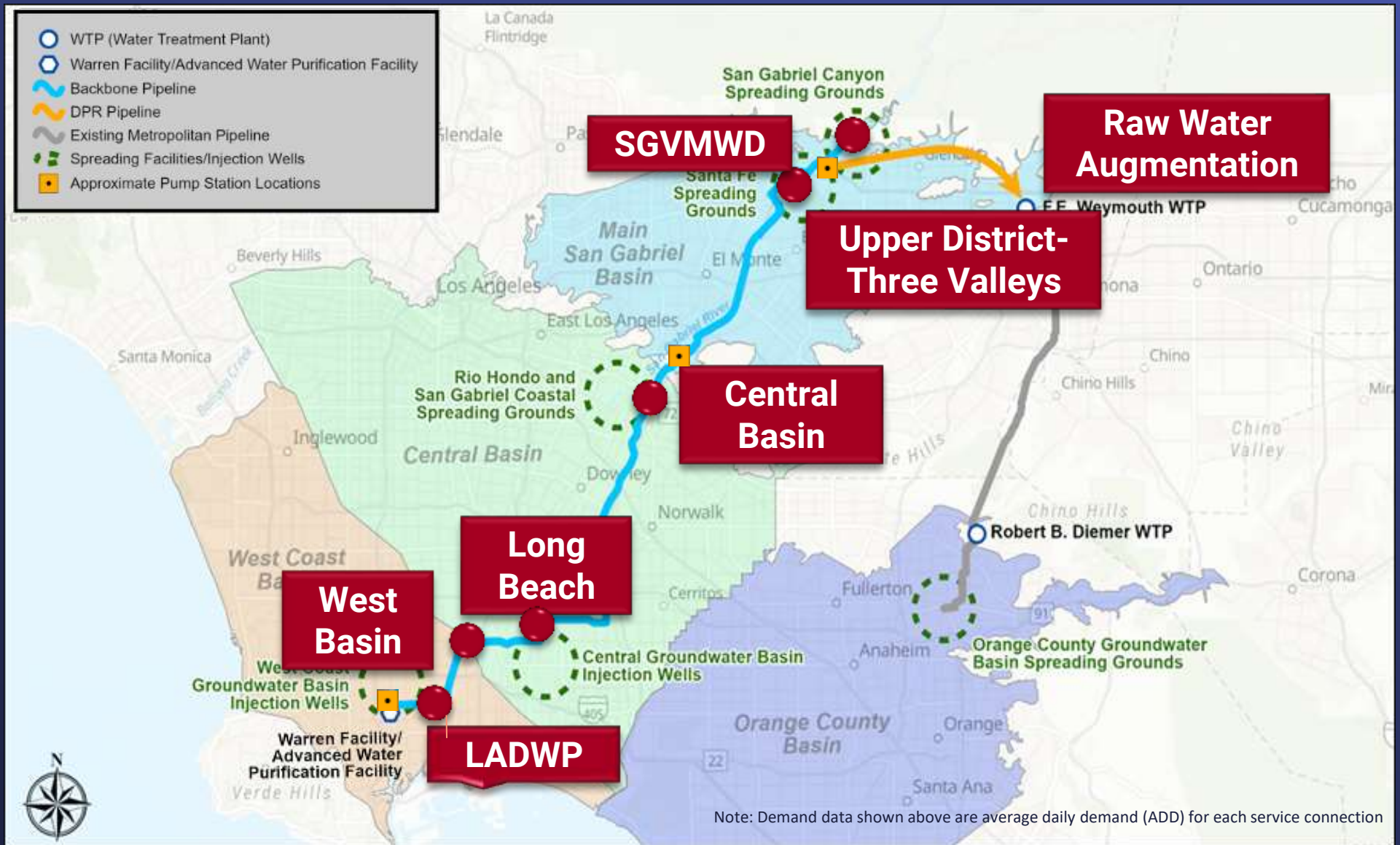
- Weymouth & Diemer  
26 TAF

Data shown include 92% online factor and expected annual average deliveries rounded to nearest 1,000 AF.



# PWSC Service Connections

- Phase 1 (115 mgd)
- 35 mgd in Central/West Coast Basins
- 55 mgd in Main SG Basin
- 25 mgd RWA @ Weymouth and/or Diemer via Azusa Pipeline



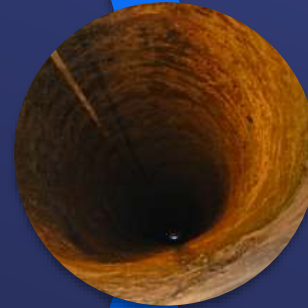
# Maintaining Deliveries during Wet Periods

Program goal is to maintain full-capacity deliveries 92% of time

What happens when existing LA County spreading grounds aren't available?



Acquiring property for a project-specific spreading basin in Main San Gabriel Basin is part of PWSC scope



Construction of up to 14 injection wells are included as part of PWSC scope



Provisions to send additional water to Weymouth or Diemer for RWA may be possible



## Phase 2

Demand  
Projections  
for PWSC  
What are the  
options for  
Phase 2?

## Project Options

- Additional Raw Water Augmentation at Weymouth and Diemer
- Potential IPR in Central or West Coast Basins
- Potential West Basin NPR
- Potential IPR/DPR in Six Basins or Chino Basin
- Potential Treated Water Augmentation

# Next Steps

# Agreement Development Process



- Completed in 2022
- Signed by each party
- Identified “anticipated” quantity of PWSC supply
- Non-binding
- Expressed intent to work together to develop program terms

- Initial Step toward agreement
- Signed by each party
- Commitment to take specified quantity of PWSC supply
- Commitment for short-term until agreement is developed

- In place by late 2024/early 2025
- MOU or Agreement
- Potentially a take-or-pay agreement for specified quantity of PWSC supply
- Requires resolution of cost recovery discussions
- Commitment for long-term

