



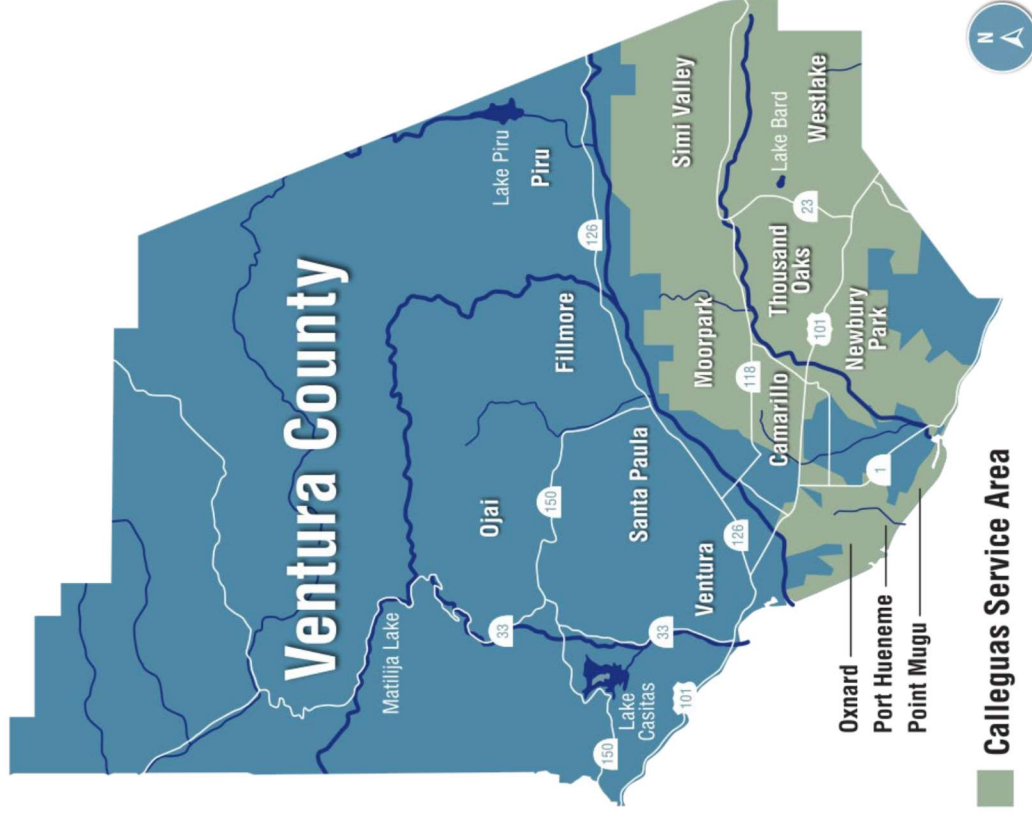
Water Resources Implementation Strategy

April 29, 2025
County of Ventura Board of
Supervisors Meeting



Background

- Water wholesaler importing primarily State Water Project (SWP) water from the Metropolitan Water District of Southern California (Metropolitan).
- Delivers water to 19 purveyors (including VCWWD 1, 19, and 38) serving ~650,000 people (including many unincorporated areas).
- History of regional collaboration.



Calleguas's Water Supply Sources

Primary/Normal Operations

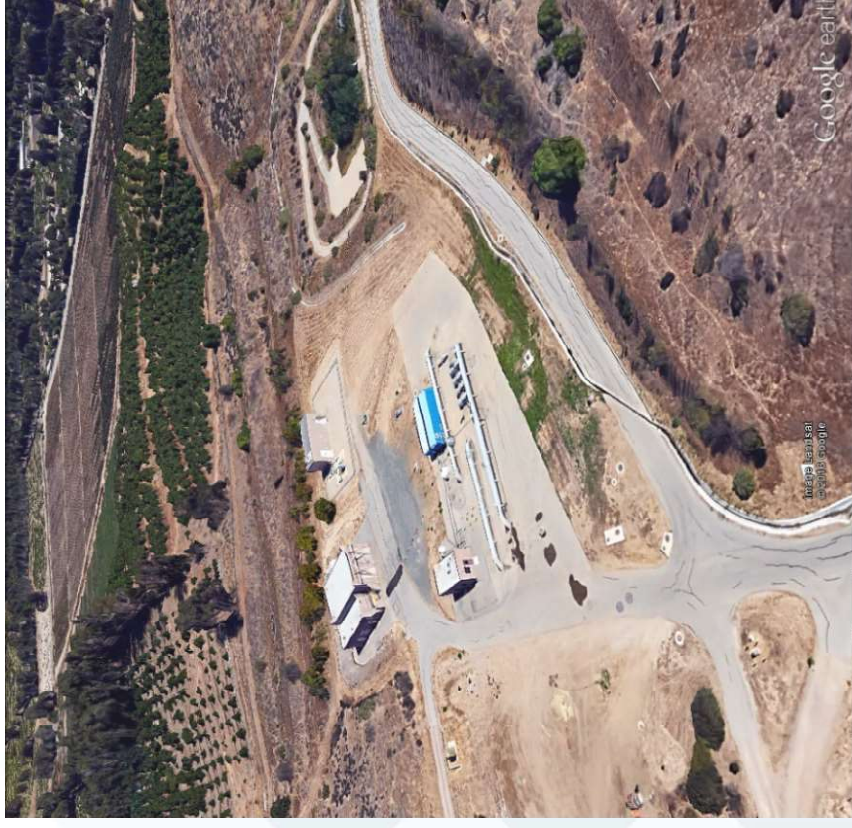
- Metropolitan water (SWP water) via the Santa Susana Tunnel in Chatsworth

Stored Imported Water for Outages

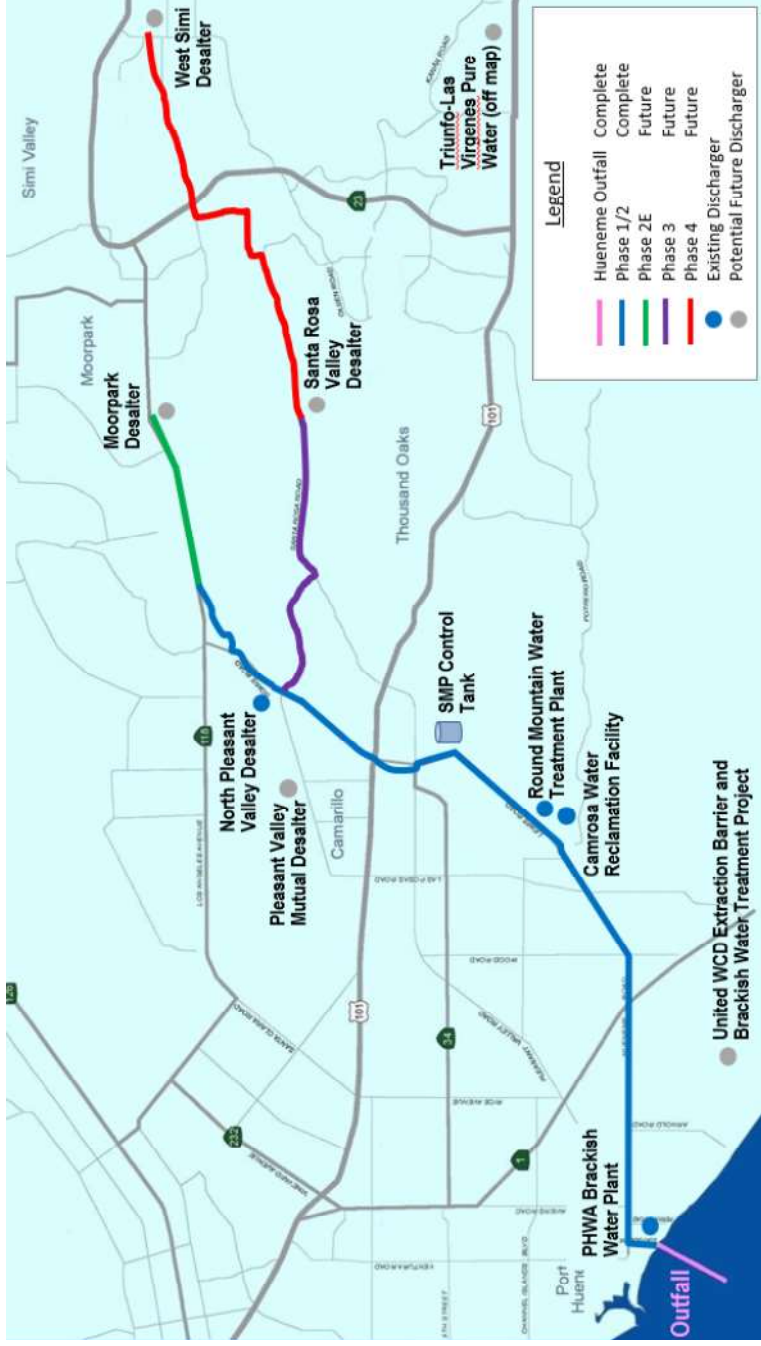
- Las Posas Aquifer Storage and Recovery Wellfield
- Lake Bard and Lake Bard Water Filtration Plant

Interconnections

- Crestview Mutual Water Co. (available for operation)
- Las Virgenes Municipal Water District (available for operation)
- Calleguas-Ventura Interconnection (in design)



SALINITY MANAGEMENT PIPELINE



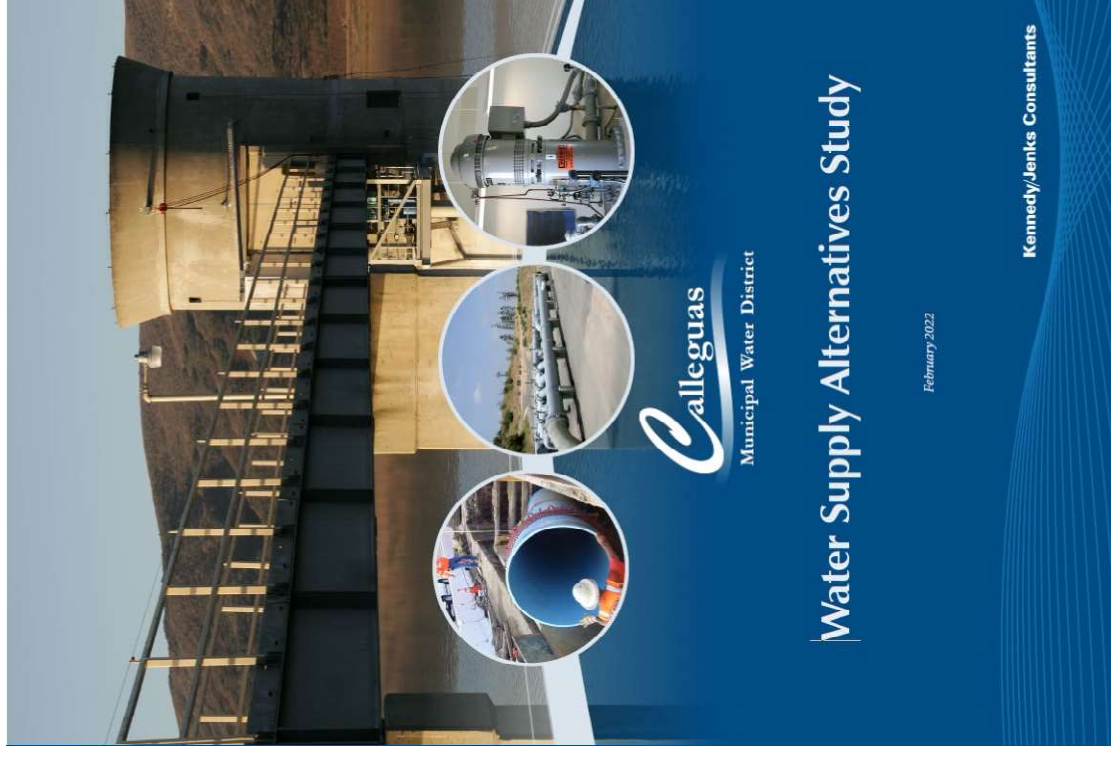
Regional Grant Funding

- Integrated Regional Water Management Program for Watersheds Coalition of Ventura County
 - Managed applications for Proposition 1, 50, and 84
 - Administering ongoing grant funding for Prop 1, Rounds 1 and 2
- US Bureau of Reclamation Title XVI Program
 - Managed funding for Conejo Creek Diversion Project and SMP (early 2000s)
 - Approved Feasibility Study for Calleguas Watershed Brackish Groundwater Program (SMP and associated desalters)
 - \$7.5M in grant funding awarded for next phase of the SMP



Water Supply Alternatives Study

- Multi-year effort completed in 2022, including comprehensive outreach with retail partners and other potential project partners.
- Originally focused on identifying supplies to meet demands during a 6-month imported water outage.
- Evaluated over 100 potential projects.
- Ultimately, 16 “leading contender” projects were identified for subsequent consideration.



Drought Challenges...

- 2021 and 2022 were two of the driest on record and had the lowest back-to-back allocations (5%) on the SWP.
- Metropolitan could not physically deliver its stored water to Calleguas and five other Member Agencies.
- Metropolitan's Emergency Water Conservation Program (June 2022-March 2023) mandated reduced demands for these Member Agencies only, requiring one-day-per-week outdoor watering in the Calleguas service area.

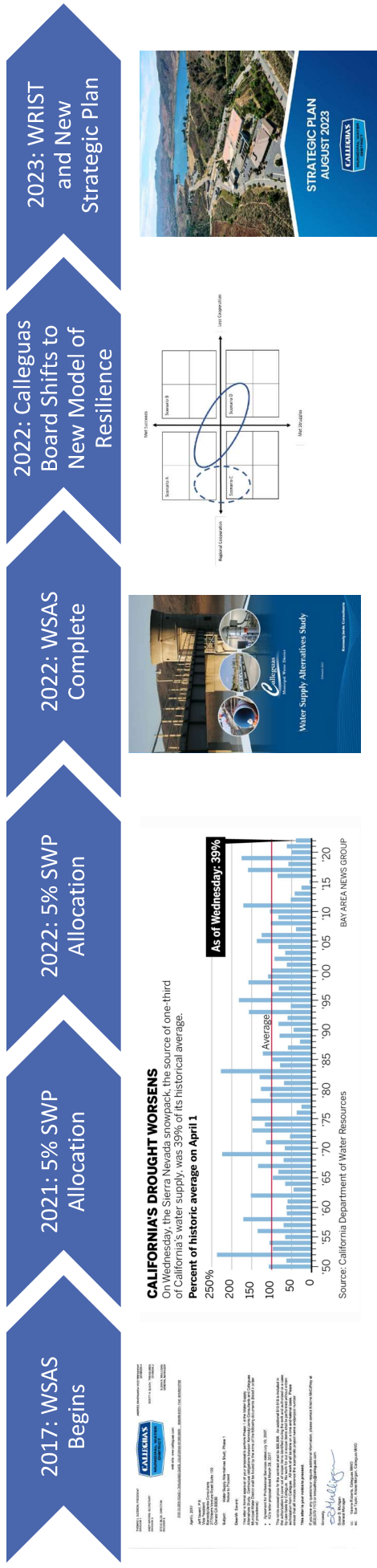


...And Drought Solutions

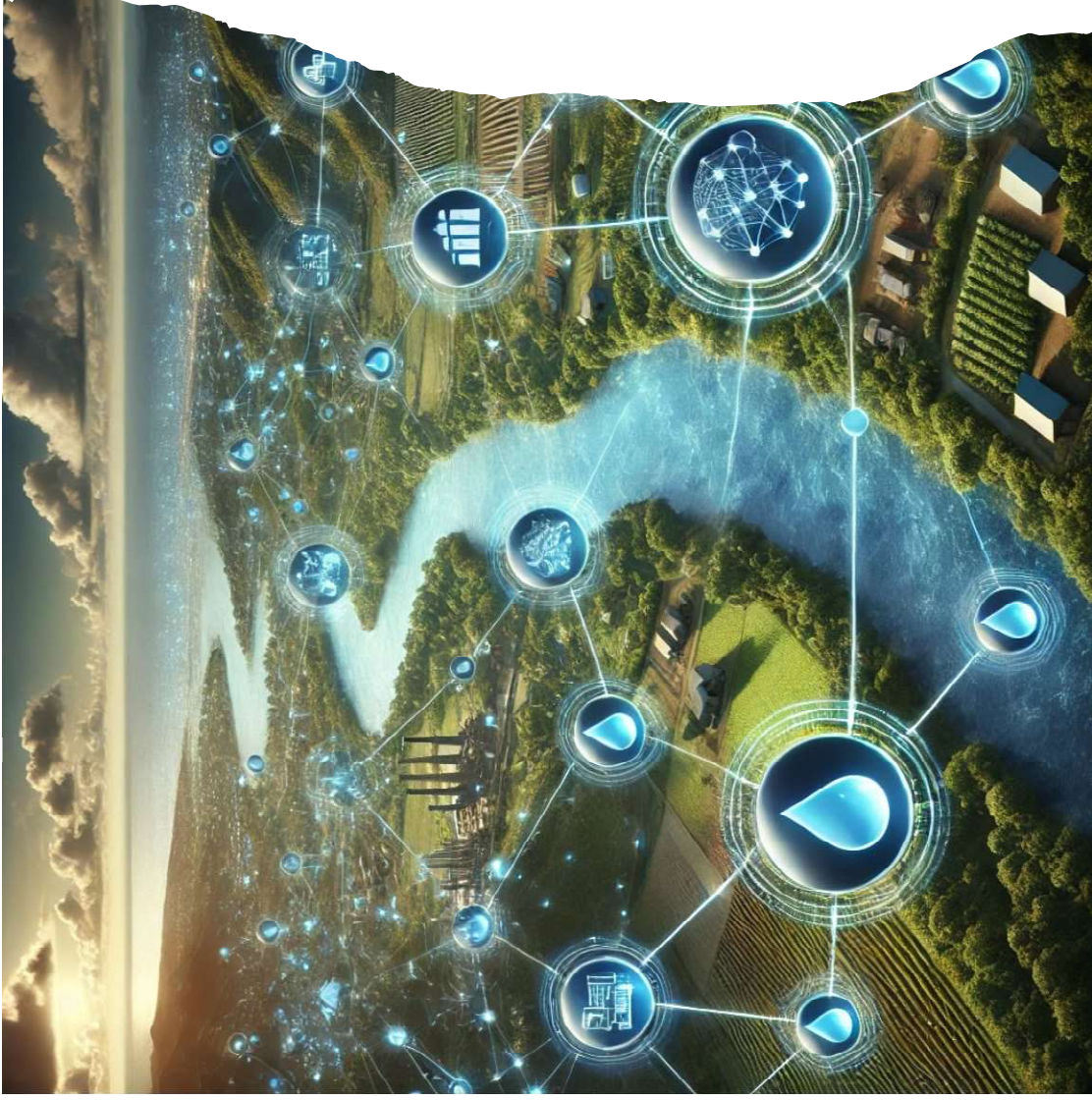
- Since 2022-23 Metropolitan has made:
 - Operational changes
 - Infrastructure improvements
- Additional infrastructure improvements underway



From WSAS to WRIST



WRIST = Water Resources Implementation Strategy



A New Model for Resilience

Calleguas's Board determined that its future will involve greater resilience through partnerships and regional collaboration to develop water supply, storage, conveyance, and programs.

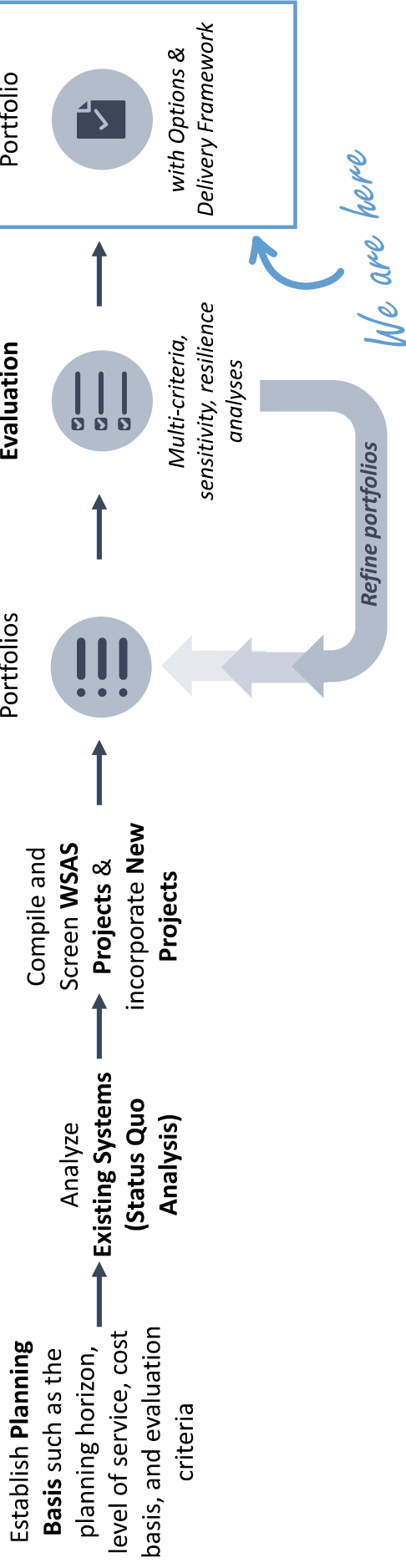
Water Resources Implementation Strategy (WRIST)

- Build on history of extensive regional collaboration to enhance existing partnerships and forge new ones.
- Address long-term water supply reliability and resiliency along with outages.
- Characterize and evaluate portfolios of projects with a regional focus.
- Acknowledge risks and uncertainties and develop an adaptive management plan to address them.



Water Resource Portfolio Development & Regional Alignment

PHASE 1



WRIST

Interviews

Summer 2023

Interim Work Sessions

March 2024

Partner Workshops

July 2023

November 2023

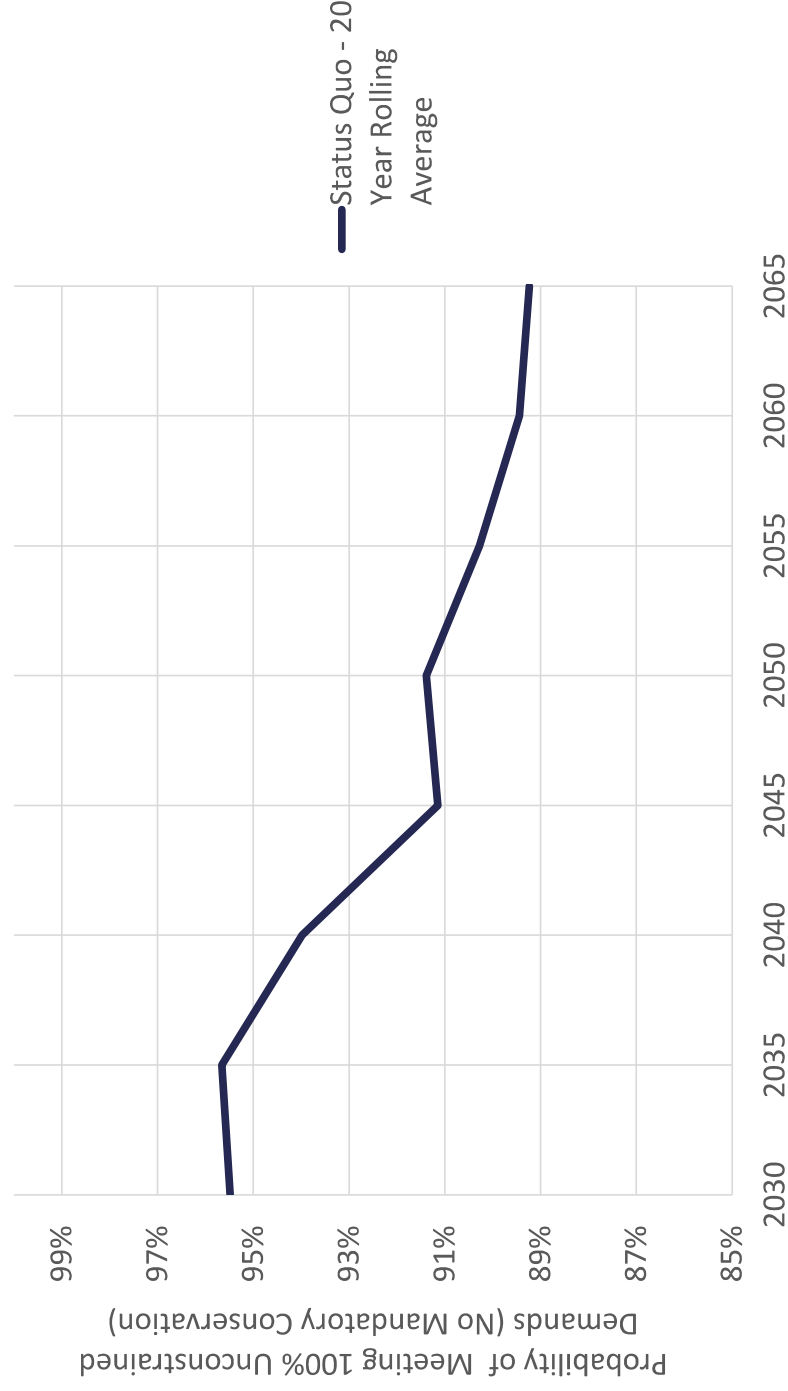
April 2024

October 2024

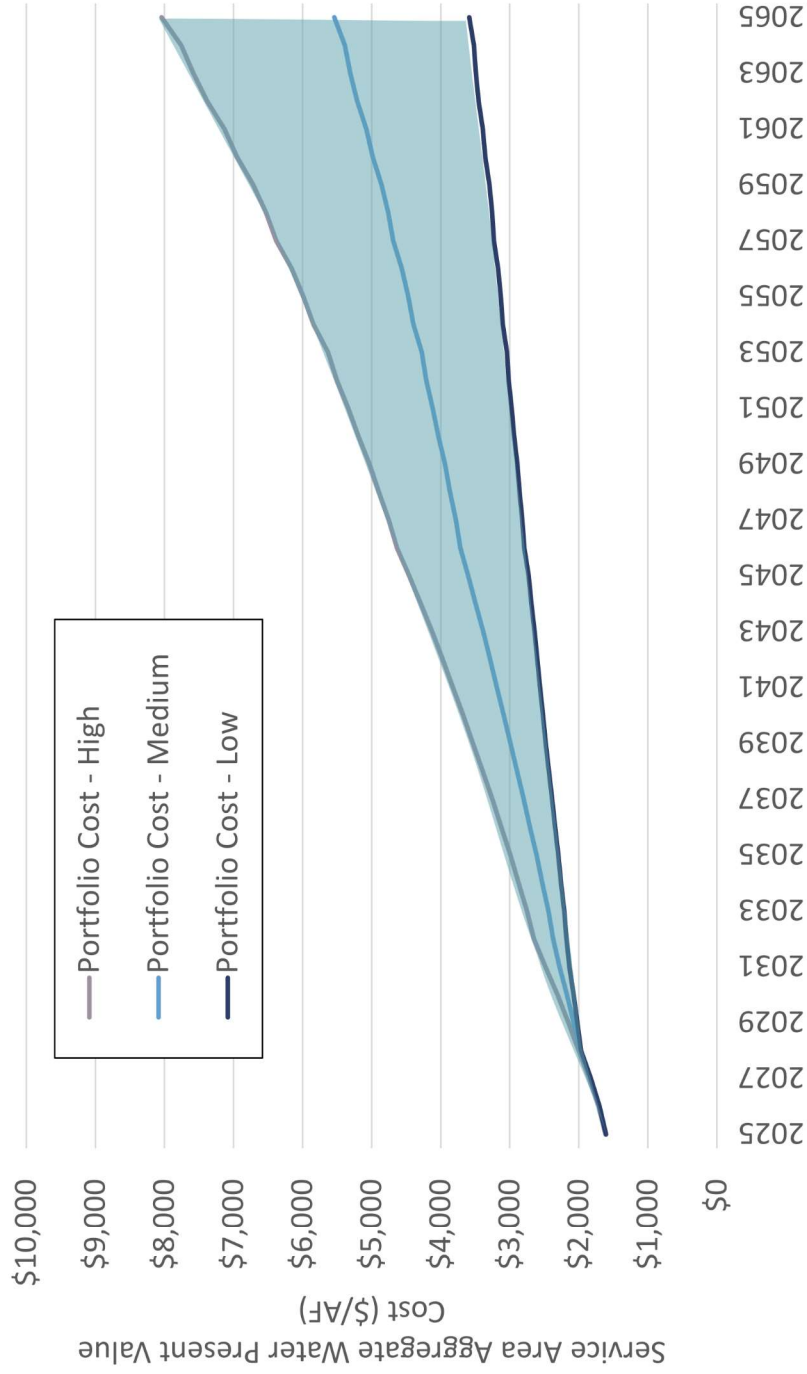


Status Quo - Reliability

Overall decline
in reliability
over time

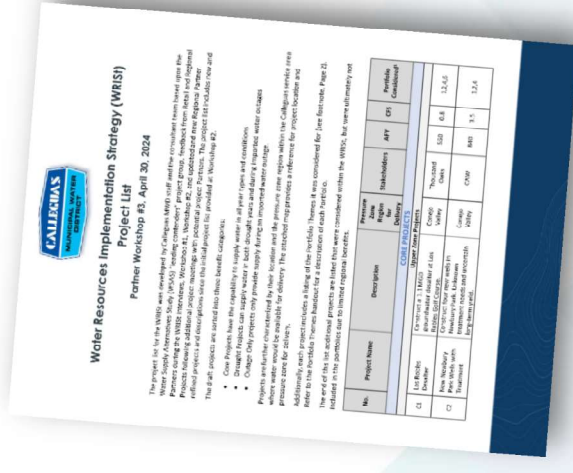


Status Quo - Costs



Evaluated Projects

- Initially developed from WSAS “leading contender” projects with refinement.
- Additional conceptual projects added based on feedback from previous Workshops, Partner Interviews, and follow-up meetings with Regional Partners.
- Categorized by benefit:



Core Projects

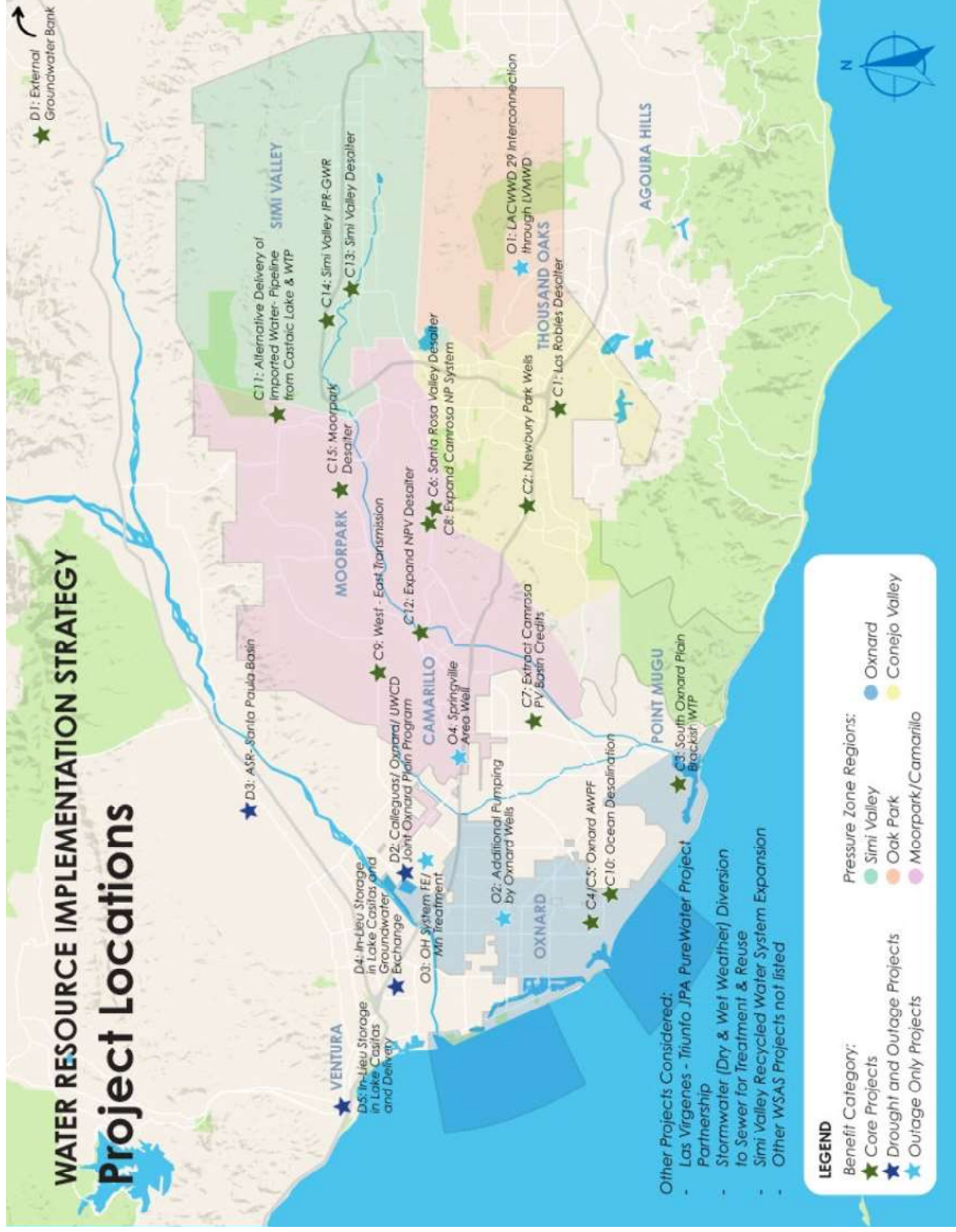
Drought and Outage Projects

Outage Only
- Imported water outages

PORTFOLIO THEMES

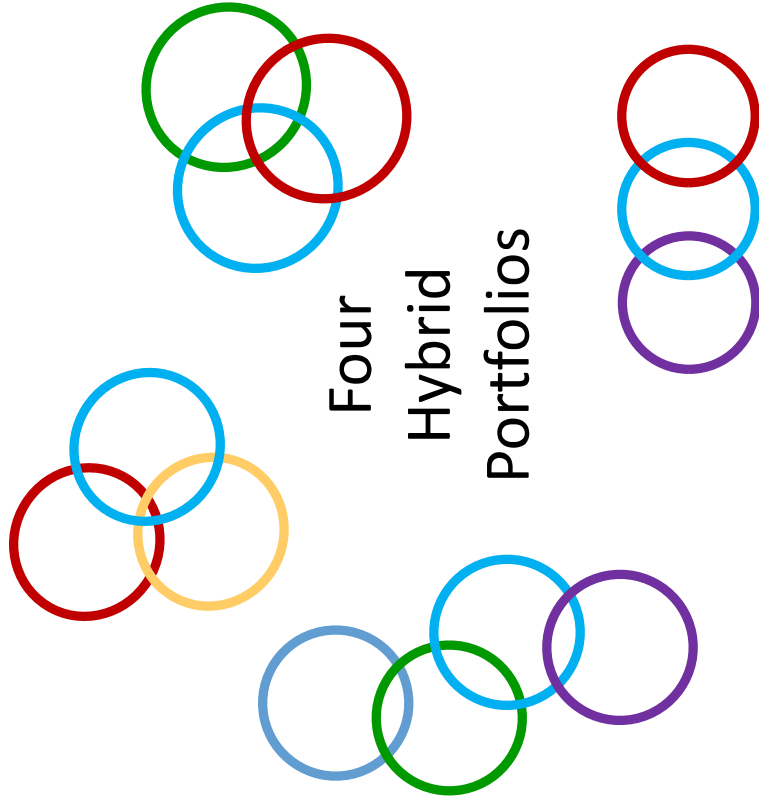
Project Map

Map provides location of projects, benefit category, and Pressure Zone Region



WRIST Portfolios

-  Lowest Cost
-  Local Supply & Control
-  Imported Water Optimization
-  Reliability & Resilience
-  Adaptability Emphasis
-  Groundwater Sustainability and Recycled Water Emphasis



Portfolio Findings



Investment in local supply projects provides greater reliability at a lower long-term cost relative to the Status Quo, while significantly reducing demand for imported water.



Local projects can be adaptively phased to incrementally increase reliability while moderating cost impacts.

Draft Preferred Portfolio

Common to all Hybrid Portfolios

- Oxnard AWPf Expansion and IPR Project
- Northern Reach of Calleguas Creek Watershed Desalter Project
- Santa Rosa Valley Desalter/ Recharge
- West-East Transmission
- New Newbury Park Wells with Treatment
- Increase Pleasant Valley Basin Pumping Capacity to Extract Camrosa Water District Credits

Other Top Performing Projects from Hybrid Portfolios

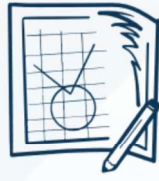
- Oxnard Plain Program
- South Oxnard Plain Brackish Water Treatment Facility (UWCD Extraction Barrier Brackish Water Treatment Project with conveyance to Calleguas)
- External Groundwater Bank
- Expansion of Camrosa Non-Potable Water System

No Regret Actions



- **PROJECT AND PARTNERSHIP DEVELOPMENT:**
 - Oxnard AWPf Expansion and IPR Project
 - Santa Rosa Valley Desalter/ Recharge Project
 - Develop a Wheeling and Exchange Framework with Retail Partner Agencies

No Regret Actions



- **PLANNING STUDIES:**

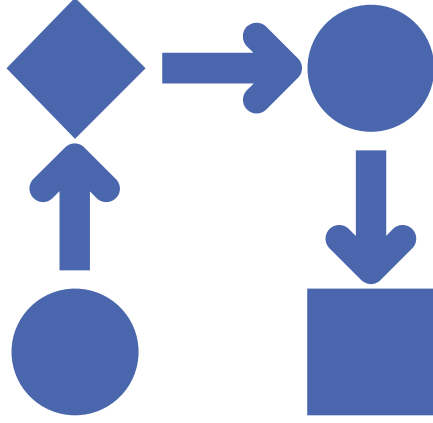
- Evaluate and select the preferred Northern Reach of the Calleguas Creek desalter project
- Evaluate and select the preferred External Groundwater Bank alternative

No Regret Actions



- **INTERAGENCY COORDINATION:**
 - Work with FCGMA and interested parties to develop a banking framework within the Oxnard Plain
 - Explore opportunities for other potential ASR projects locally

Adaptive Management Approach



- Implement No Regret Actions first
- At future decision points, evaluate then-current conditions to determine:
 - The need and timing of additional projects from the Preferred Portfolio.
 - Optional projects should Preferred Portfolio projects not come to fruition.

Next Steps



Spring 2025

Wrap up Phase 1 WRIST Report

2025

- Engage Partners
- Further Develop Projects

