

2025 Public Works Officers Institute

**REGIONAL APPROACHES TO SECURING
CALIFORNIA'S WATER FUTURE**

Creating New Models for Resilience



MARCH 20, 2025

CREATING NEW MODELS FOR WATER RESILIENCE

Expert Panel

Paul Jones

Senior Advisor



Kristine McCaffrey

General Manager



Joshua Aguilar

Deputy Director of Water Resources



Jeff Szytel

CEO/Founder



Today's Agenda

1. Calleguas MWD's New Model for Resilience
2. Western Water's Regional Leadership
3. CA Water Resilience — Multi-Agency Collaborations
4. Facilitated Q&A

Case Study

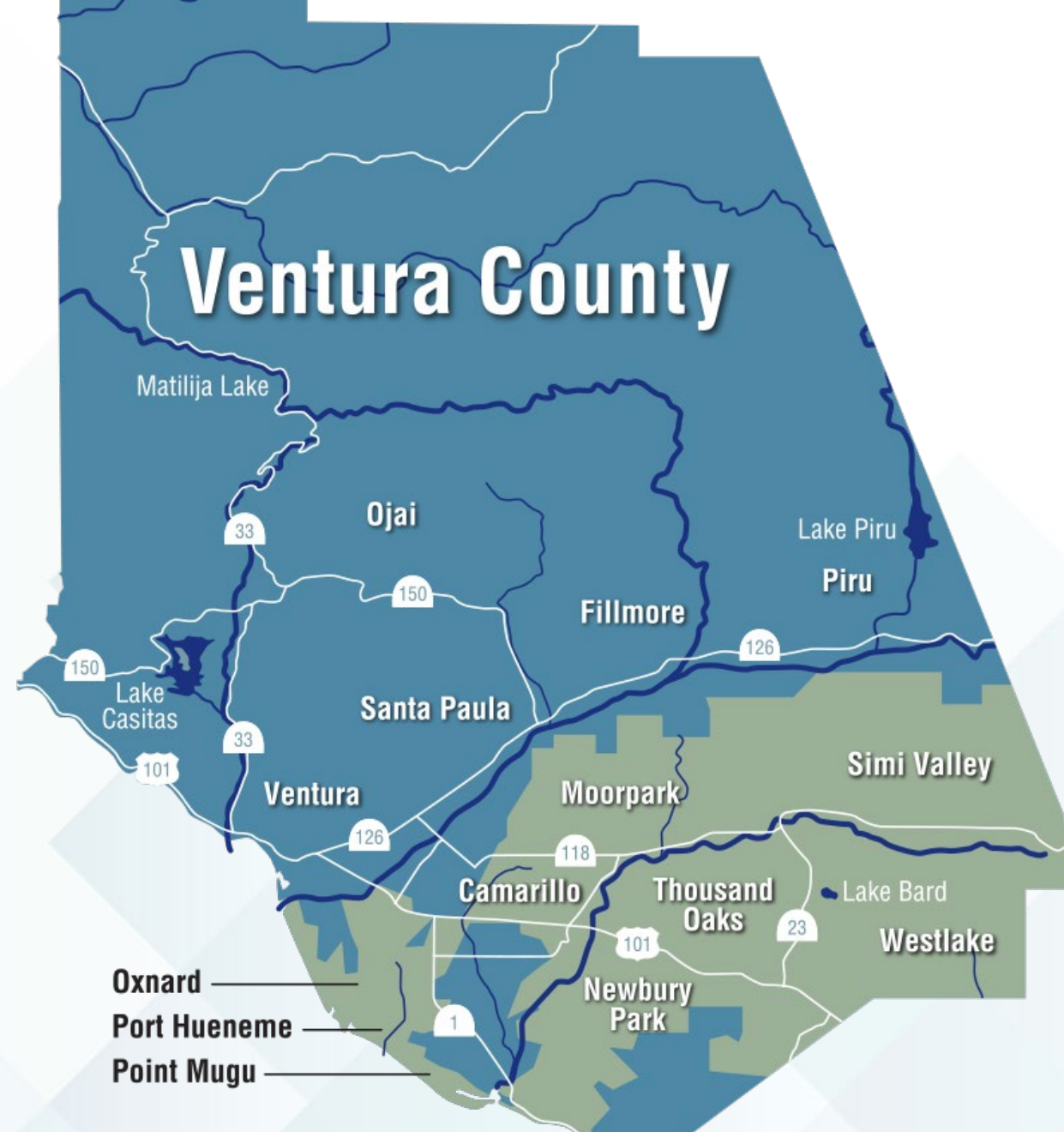
Calleguas Municipal Water District Water Resources Implementation Strategy (WRIST)

Kristine McCaffrey
General Manager



Calleguas Overview

- ❖ Water wholesaler importing primarily State Water Project (SWP) water from the Metropolitan Water District of Southern California (Metropolitan).
- ❖ Delivers water to 19 purveyors (including 5 cities) serving 650,000+ people, 3/4 of the population of Ventura County.
- ❖ Some purveyors have significant local supplies, others none.



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

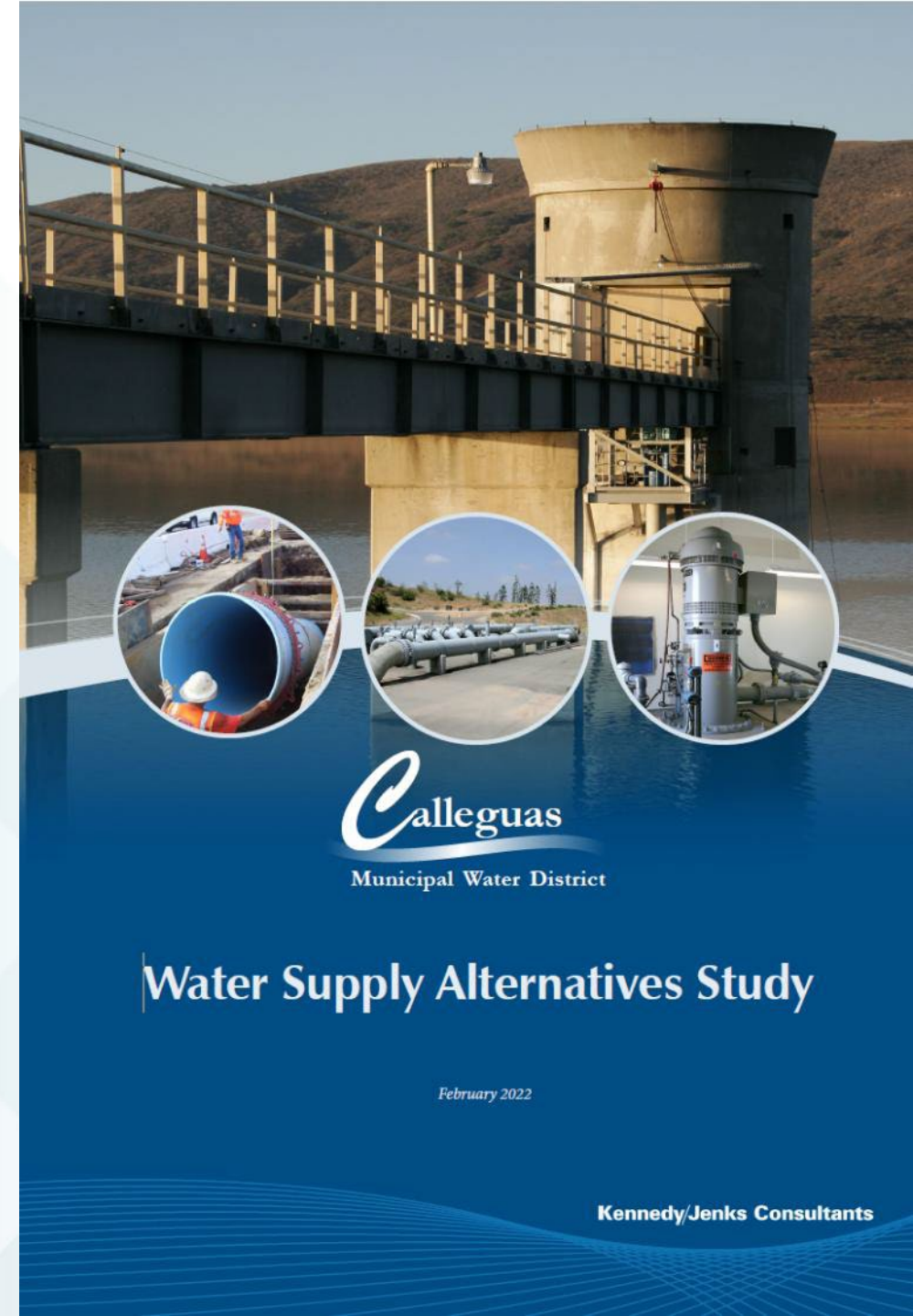
Interconnections

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



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.



Calleguas
Municipal Water District

Water Supply Alternatives Study

February 2022

Kennedy/Jenks Consultants

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.



From WSAS to WRIST

2017: WSAS Begins

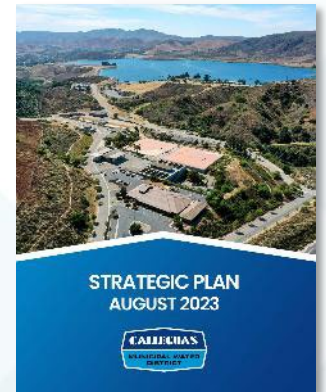
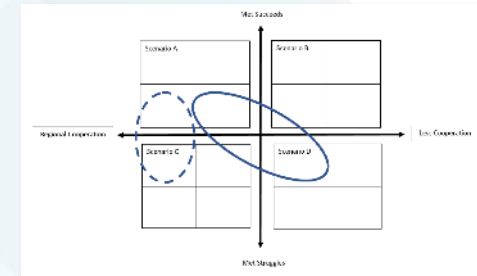
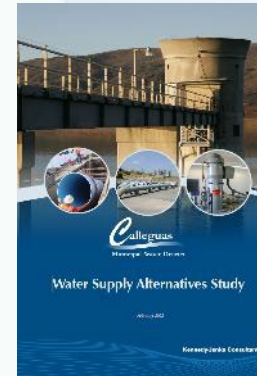
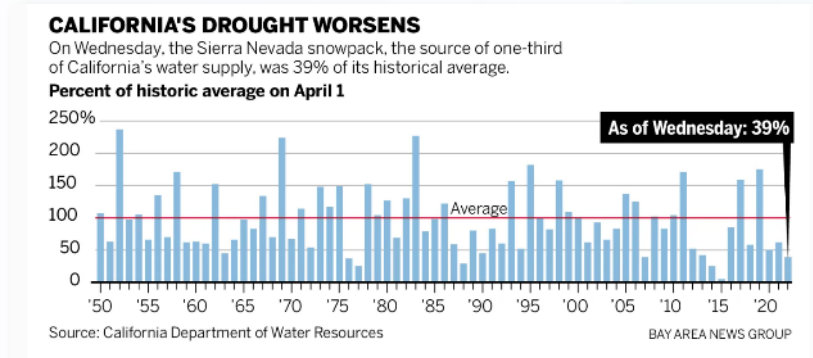
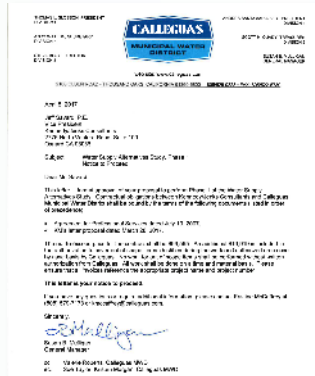
2021: 5% SWP Allocation

2022: 5% SWP Allocation

2022: WSAS Complete

2022: Calleguas Board Shifts to New Model of Resilience

2023: WRIST and New Strategic Plan



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.

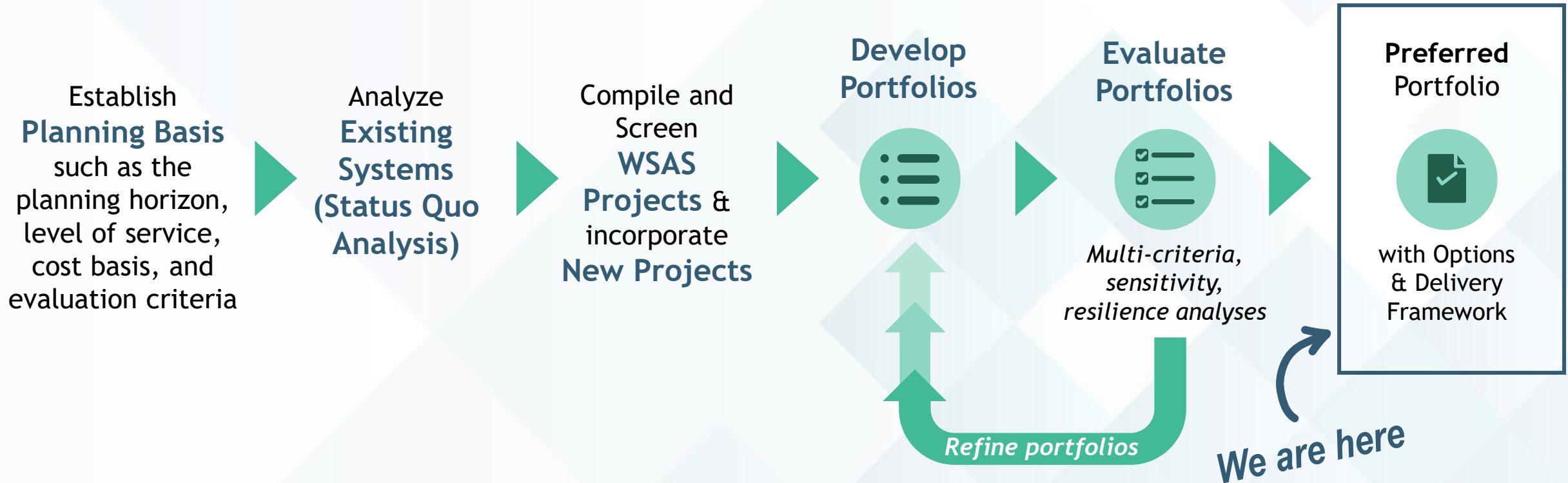
Water Resources Implementation Strategy (WRIST)

- ❖ 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



Facilitated Stakeholder Workshops

WORKSHOP 1

Problem Definition, Desired Outcomes and Measuring Success

- Desired outcomes
- Level of service goals
- Success criteria, and
- Roles, responsibilities and relationships

WORKSHOP 2

Planning Basis and Status Quo Analysis

- Evaluation & performance criteria
- Risk & uncertainty criticality analysis
- Status Quo Analysis and Regional Water Balance
- Preliminary portfolio themes

WORKSHOP 3

Portfolio Development

- Proposed projects
- Initial themed portfolios and modeled performance
- Approaches to cost and benefits sharing

WORKSHOP 4

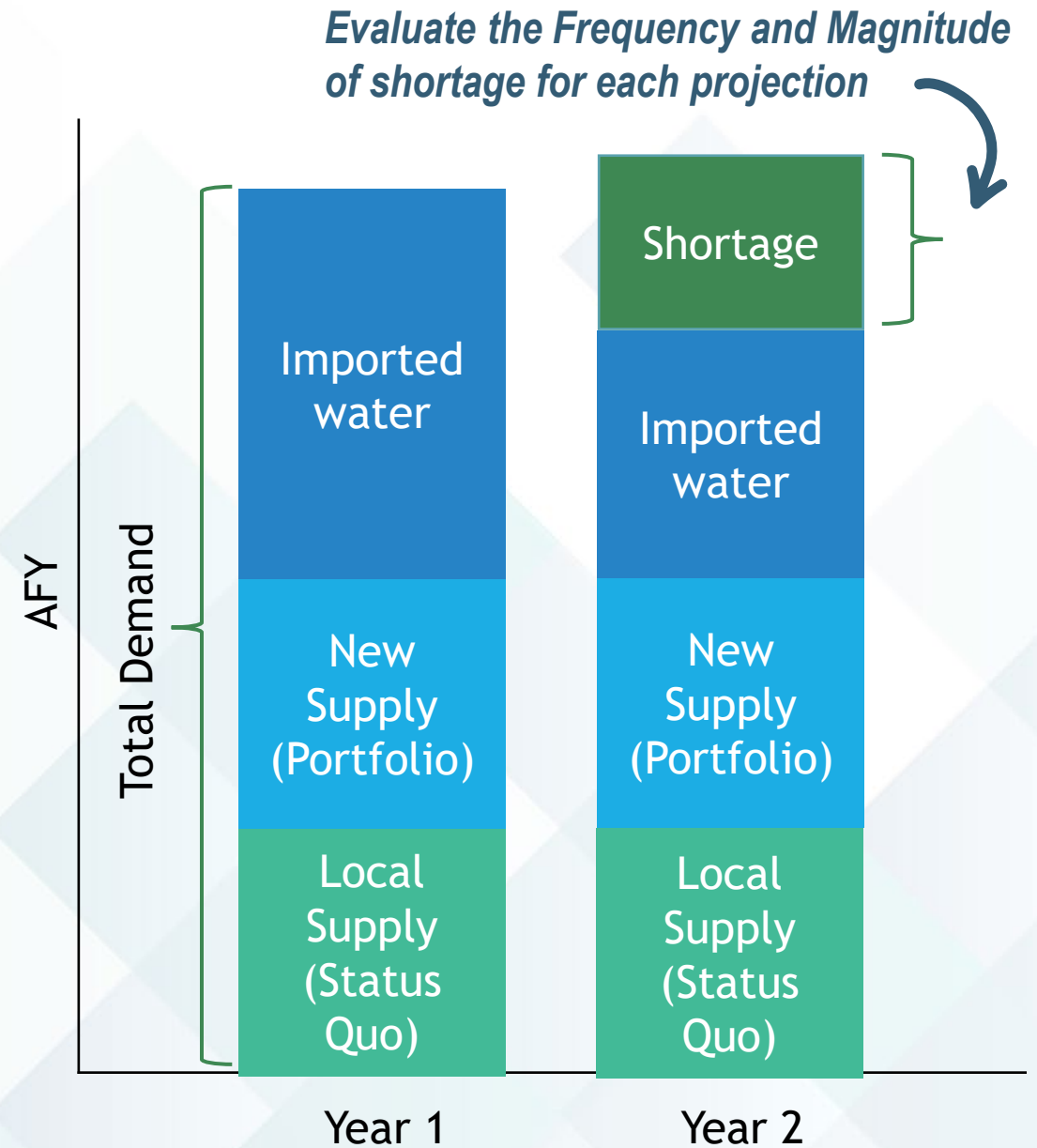
Preferred Portfolio & Options

- Preferred portfolio and options
- Framework for preferred portfolio delivery
- Program implementation framework



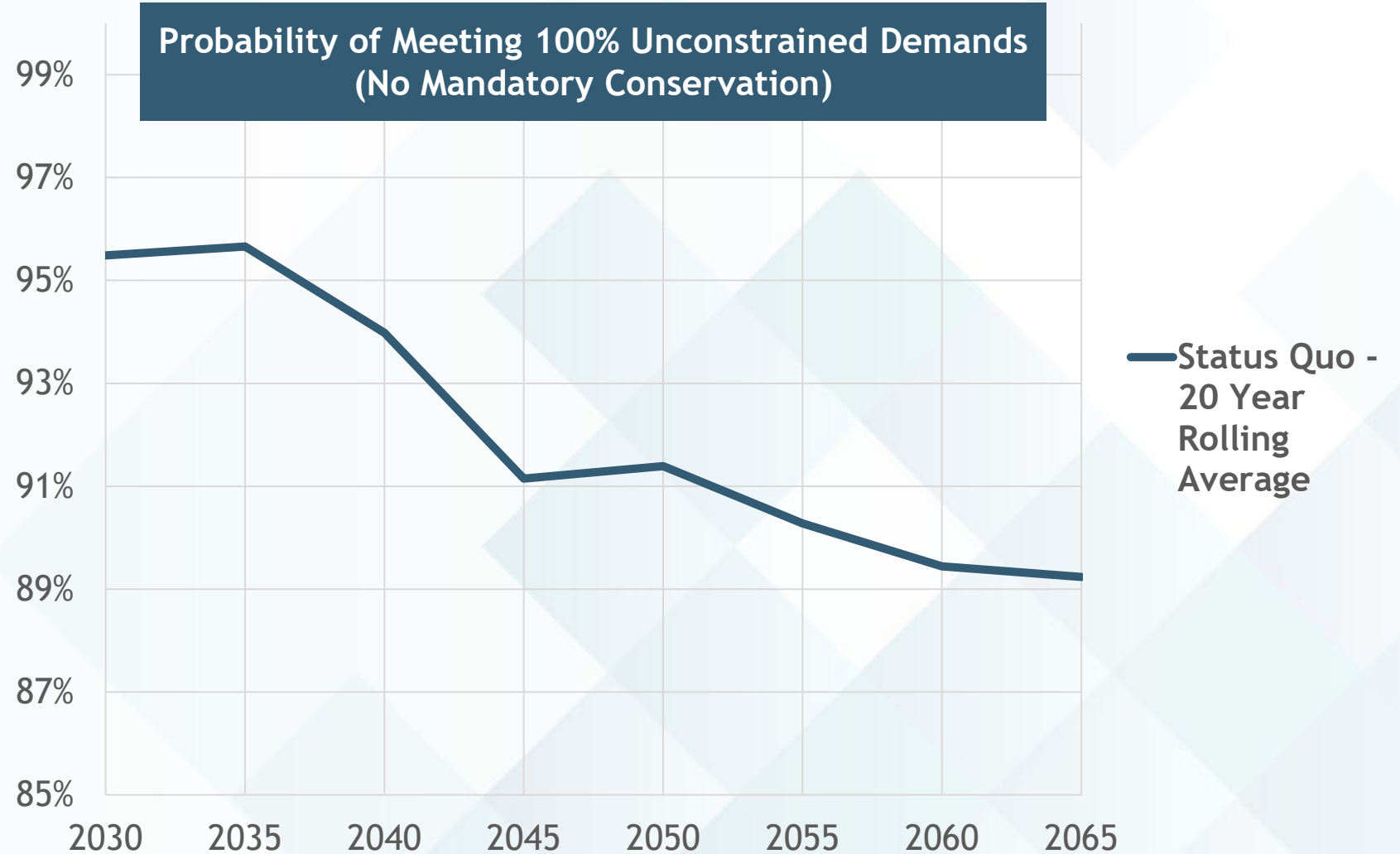
Portfolio Analysis Methodology

- ❖ Statistical analysis to evaluate portfolio performance using 96 imported water supply projections provided by Metropolitan
- ❖ Local supplies initially used to meet demands
- ❖ Available imported water used to meet remaining demands

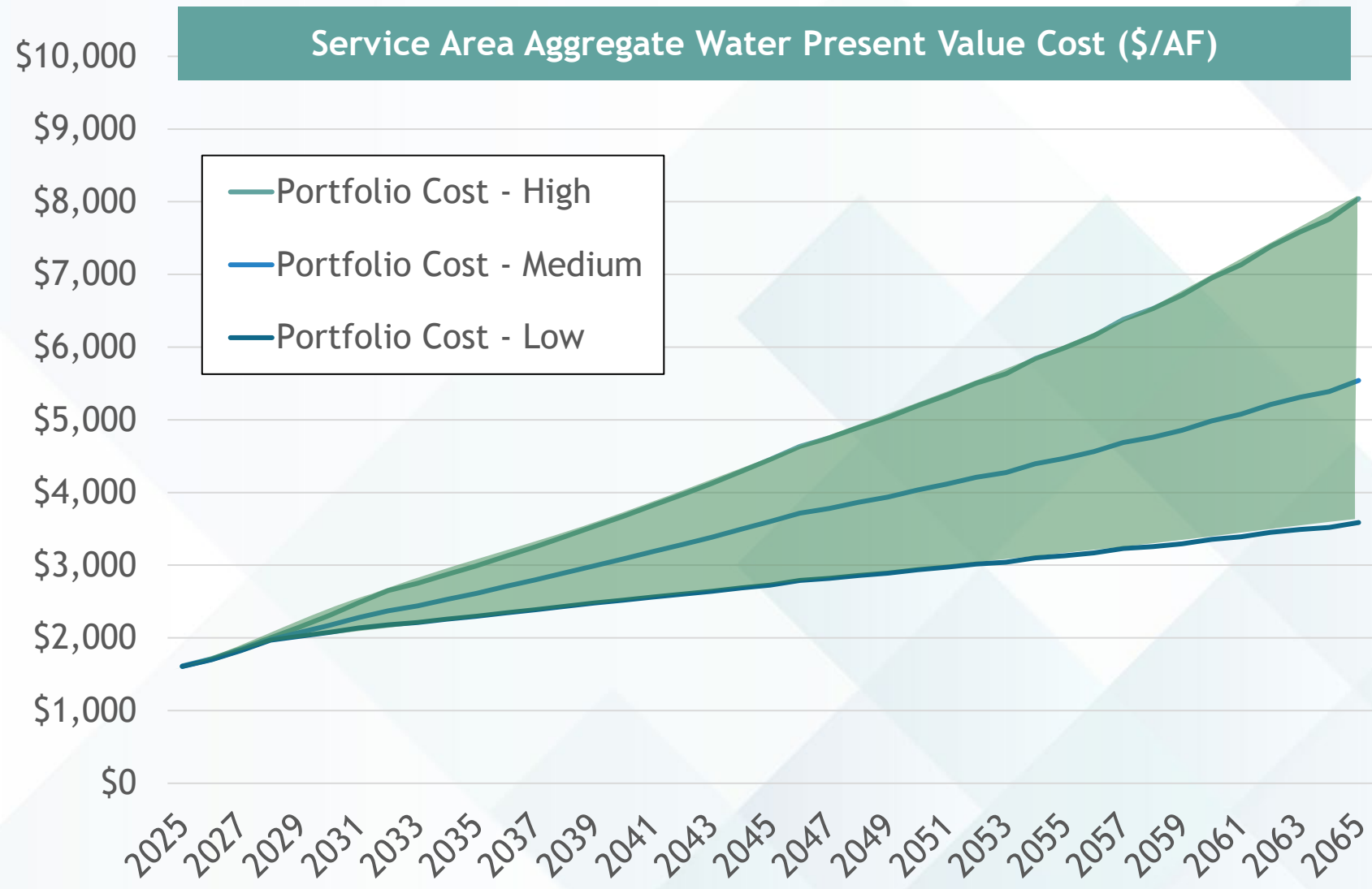


Status Quo - Reliability

Overall decline
in reliability
over time



Status Quo - Costs



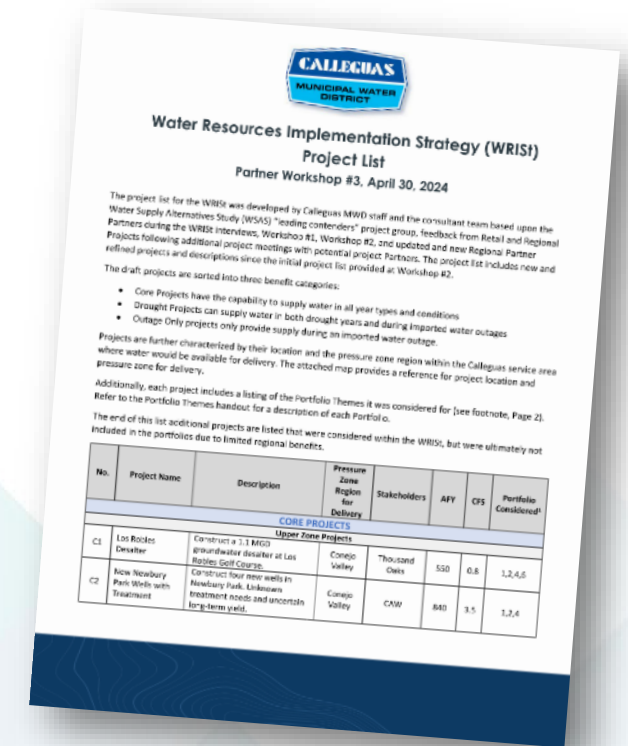
Evaluated Projects

- ❖ 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
- All conditions

Drought and Outage Projects
- Dry year/outages

Outage Only
- Imported water outages



WATER RESOURCE IMPLEMENTATION STRATEGY

Project Locations



Portfolio Themes

Lowest Cost

**Local Supply
and Control**

**Imported
Water System
Optimization**

**Reliability and
Resilience**

**Adaptability
Emphasis**

**Groundwater
Sustainability and
Recycled Water
Emphasis**

Hybrid 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.



Investment in local supplies and local storage provides the greatest reliability and resilience but will require West to East Transmission to fully utilize all supplies and increases portfolio costs.



Drought storage projects provide increased reliability but have high unit costs due to the high cost of imported (stored) water and infrequent use.



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

Draft Preferred Portfolio

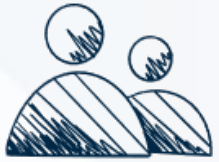
Common to all Hybrid Portfolios

- ❖ 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

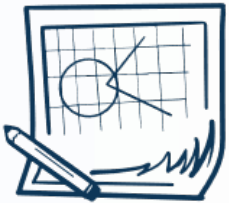
- ❖ Additional ASR in Santa Paula Basin
- ❖ Oxnard Plain Program
- ❖ South Oxnard Plain Brackish Water Treatment Facility (UWCD Extraction Barrier Brackish Water Treatment Project with conveyance to Calleguas)
- ❖ External Groundwater Bank
- ❖ Expansion of Camrosa Non-Potable Water System

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



❖ 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
- Work with Santa Paula TAC to develop and implement an ASR project in the Santa Paula Basin



Key Success Factors

- ❖ Extensive regional engagement with traditional and non-traditional partners
- ❖ Incorporation of uncertainty (costs, demands, etc.) via ranges and sensitivity analyses
- ❖ Adaptive management

Western Water's Regional Programs

Joshua Aguilar

Deputy Director of Water Resources



SUPPLYING WATER TO RIVERSIDE COUNTY

1M+

PEOPLE
SERVED

14

WHOLESALE
CUSTOMERS

~25,000

RETAIL
CONNECTIONS

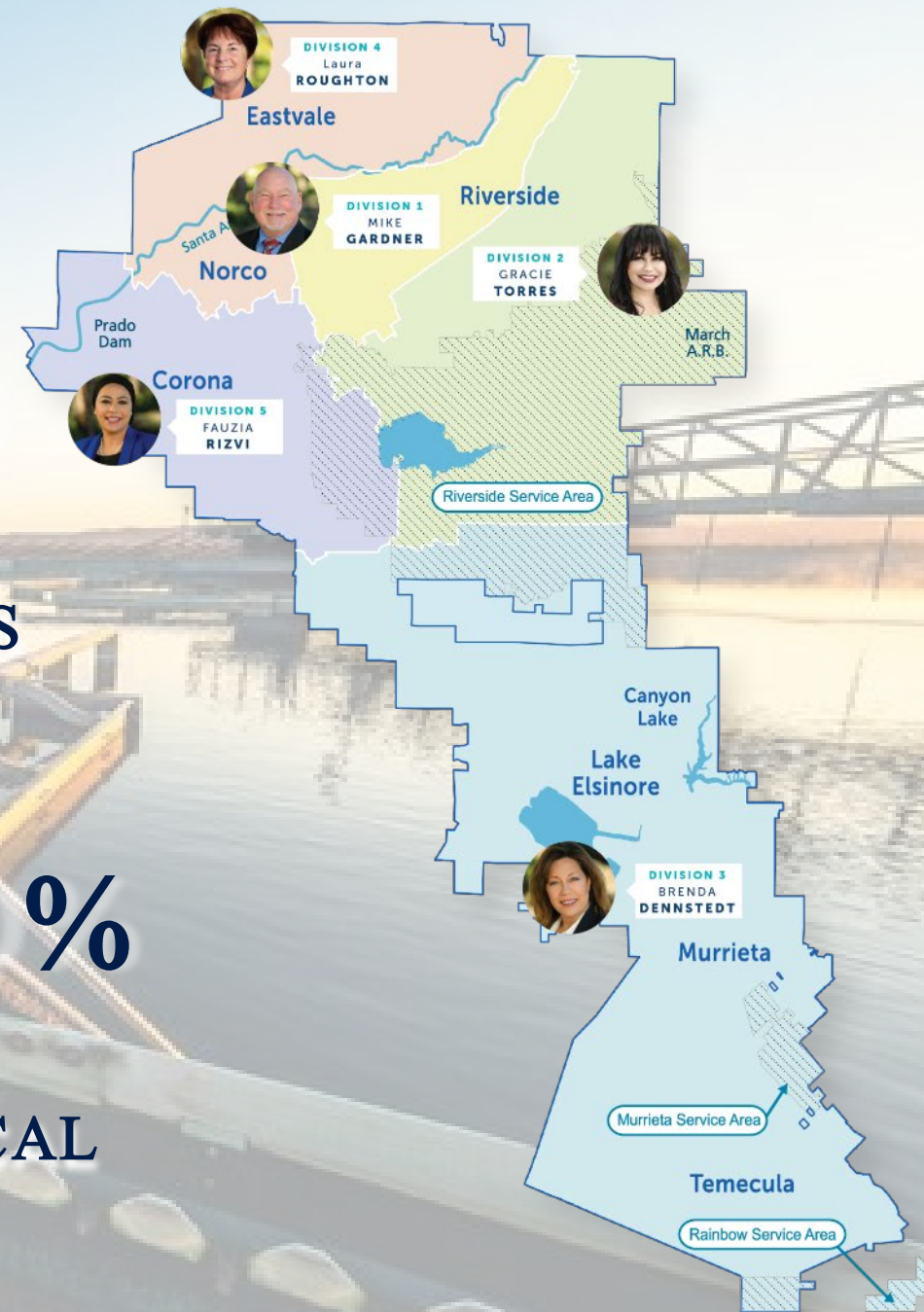
25B

GALLONS
DELIVERED
PER YEAR

60% | 40%

IMPORTED

LOCAL



Water Resiliency

- ❖ Groundwater Recharge
- ❖ Groundwater Desalters
- ❖ Recycled Water
- ❖ Imported Water
- ❖ Partnerships



Western Municipal Water District

Strategic Priorities

2022-2025



Vision: To enhance Western Water's leadership role by integrating the best-in-business processes and business systems while developing a leading-edge workforce that continuously creates greater efficiency and value for our customers.

01

RESOURCE MANAGEMENT

Maximizing Western's resource portfolio

02

FINANCIAL STEWARDSHIP

Sustaining Western's financial health



03

ELITE WORKFORCE

Growing workforce expertise

04

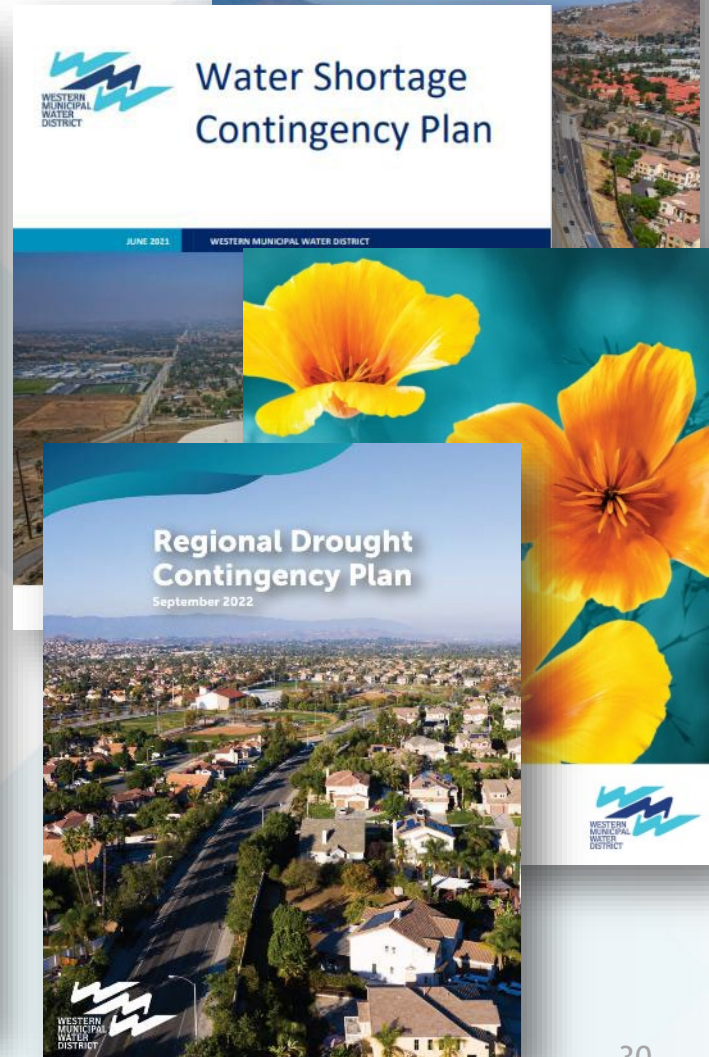
SUPERIOR SERVICE

Enriching customer experience

Substantial Water Resource Planning

Figure 1-2. UWMP Relation to Other Planning Efforts

			PLAN AREA FOCUS			PLAN TOPICS					
											
PLANNING DOCUMENT	PREPARED BY	DOCUMENT PROGRESS STATUS	WESTERN WHOLESALE	WESTERN RETAIL	REGIONAL OR STATE	SUPPLIES / RELIABILITY	DEMANDS / WATER USE EFFICIENCY	INFRASTRUCTURE	CLIMATE CHANGE	RISK AND MITIGATION	WATER SHORTAGE & EMERGENCY RESPONSE
WESTERN 2020 UWMP	Western	■■■■■ This UWMP	✓	✓		✓	✓		✓	✓	✓
WATER SHORTAGE CONTINGENCY PLAN	Western	■■■■■ Developed as part of 2020 UWMP	✓	✓		✓	✓		✓	✓	✓
WESTERN DROUGHT CONTINGENCY PLAN	Western in collaboration with Drought Task Force	■■■■□ Under Development as part of 2020 UWMP	✓	✓	✓	✓	✓	✓	✓	✓	✓
WESTERN RETAIL FACILITIES MASTER PLANS	Western	■■■■□ Under development		✓			✓	✓			
RIVERSIDE RETAIL SERVICE AREA BUILD-OUT DEMAND ANALYSIS	Western	■■■■■ Completed in 2019		✓			✓				
MURRIETA SERVICE AREA BUILD-OUT DEMAND ANALYSIS	Western	■■■■■ Completed in 2018		✓			✓				
ARLINGTON BASIN GROUNDWATER SUSTAINABILITY PLAN (GSP)	Western in collaboration with the Arlington Groundwater Sustainability Agency (GSA)	■■■■□ Under development	✓	✓	✓	✓			✓	✓	
AWIA RISK AND RESILIENCE ASSESSMENT AND EMERGENCY RESPONSE PLAN	Western	■■■■■ Completed	✓	✓		✓		✓		✓	
LOCAL HAZARD MITIGATION PLAN	Western	■■■■■ Completed in 2017	✓	✓		✓		✓		✓	
METROPOLITAN INTEGRATED RESOURCES PLAN (IRP) AND 2020 UWMP	MWD in collaboration with Western and other member agencies	■■■■□ Under development	✓	✓	✓	✓	✓		✓	✓	✓
2019 WATER USE EFFICIENCY (WUE) MASTER PLAN	Western	■■■■■ Completed in 2019		✓			✓				
LOCAL RETAIL AGENCY 2020 UWMPs	Local retail water suppliers	■■■■□ Under development			✓	✓	✓		✓	✓	✓
2020 UPPER SANTA ANA WATERSHED INTEGRATED REGIONAL URBAN WATER MANAGEMENT PLAN	San Bernardino Valley Municipal Water District in collaboration with Western and other agencies	■■■■□ Under development			✓	✓	✓		✓	✓	✓
ONE WATER ONE WATERSHED PLAN	SAWPA in collaboration with Western and others	■■■■■ Completed in 2019			✓	✓	✓		✓	✓	✓



Local Supplies Bring Groundwater Solutions

Challenges

- ❖ Regulatory Requirements
- ❖ Basin Sustainability
- ❖ Climate Change/Drought



Solutions

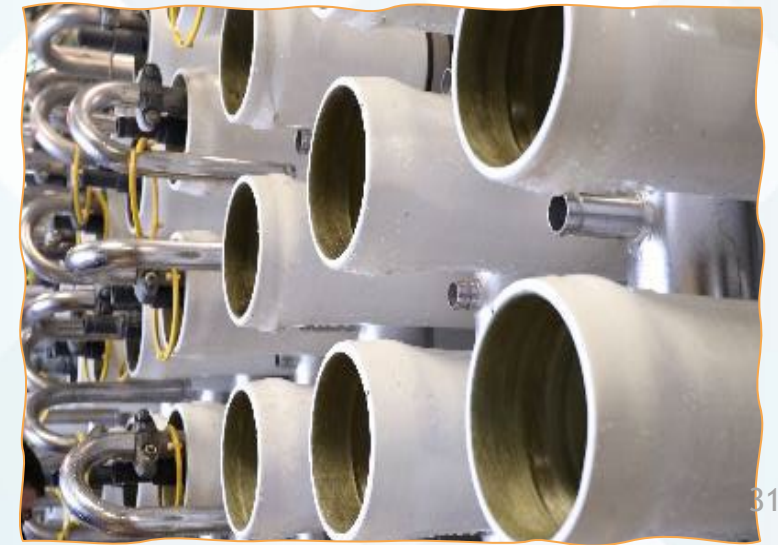
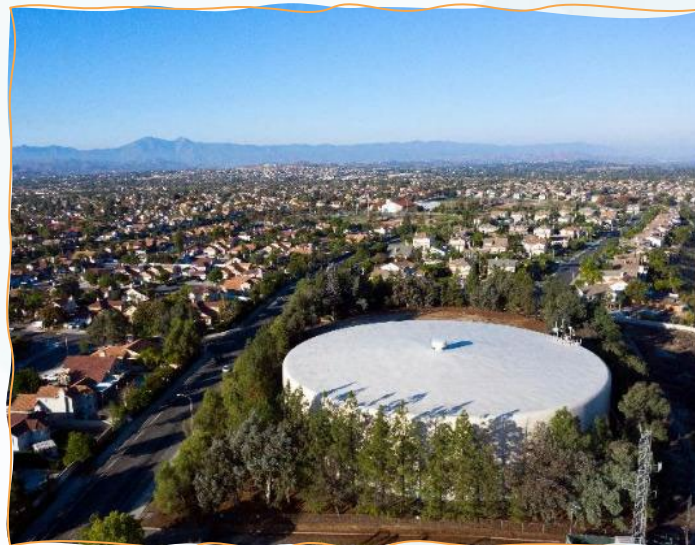


Conjunctive Use Programs

Recycled Water

Stormwater Capture & Recharge

Groundwater Desalters



Combined Desalter Enterprise

✓ Infrastructure Investments & Collaboration

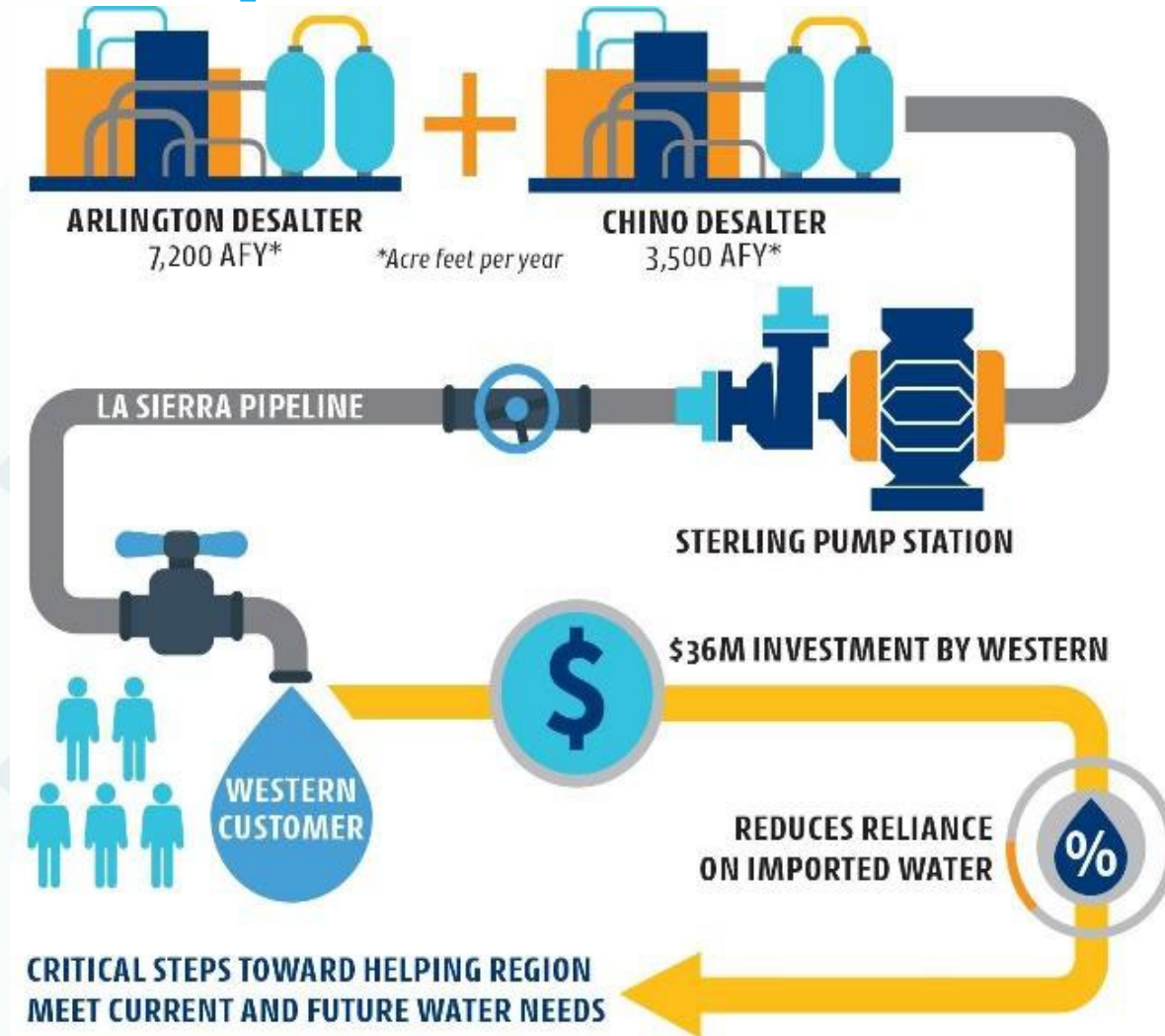
- ❖ Chino Desalter Expansion, Sterling Pump Station, La Sierra Pipeline, and Victoria Recharge Basin
- ❖ Supported by grant funding

✓ Local Supply Reliability and Resiliency

- ❖ Chino Desalter Expansion adds local supplies

✓ Opportunity to Optimize Supplies

- ❖ Serves retail customers and wholesale agencies
- ❖ Interconnected systems with added flexibility



Water Storage Initiative



CURRENT PARTNER AGENCIES

- ❖ Aligns with Western Water's Strategic Priorities
- ❖ \$20M authority to secure groundwater storage
- ❖ Collaboration to optimize regional resources
- ❖ Nearly 8,700 acre-feet of groundwater storage
- ❖ Enhance water supply resiliency

Banked
enough water
to serve over
17,000
households
for a year

San Sevaine Basins
– Chino Basin

*Storage capacity of
137,000 AF*



- ❖ Groundwater storage
- ❖ Increase water supplies
- ❖ \$150M watershed-wide
- ❖ \$55M in Prop 84 funds
- ❖ Regional water reliability

San Bernardino Basin (SBB)

Optimization and Stewardship Program



UNWSC

 Dopudja & Wells
consulting

Vision for the Basin Optimization and Stewardship Program



*This project is the opportunity to realize the **full potential** of the San Bernardino Groundwater Basin. Together we can **harness this valuable natural resource** through innovation, partnerships, and adaptive management to deliver **long-term water resource solutions for generations to come.***

CRAIG MILLER
WESTERN WATER
GENERAL MANAGER

*My vision is that by the end of this process, we as the **stewards** of this resource, will have collaboratively and intentionally examined the Basin as a **shared strategic asset** in order to maximize its value to support or enhance long-term productivity and **resilience of our region.***

HEATHER DYER
SAN BERNARDINO VALLEY
CEO/GENERAL MANAGER



SBB Conditions

232
TAFY

Safe Yield

Established by 1969
Adjudication

85%

FULL

As of September 2022

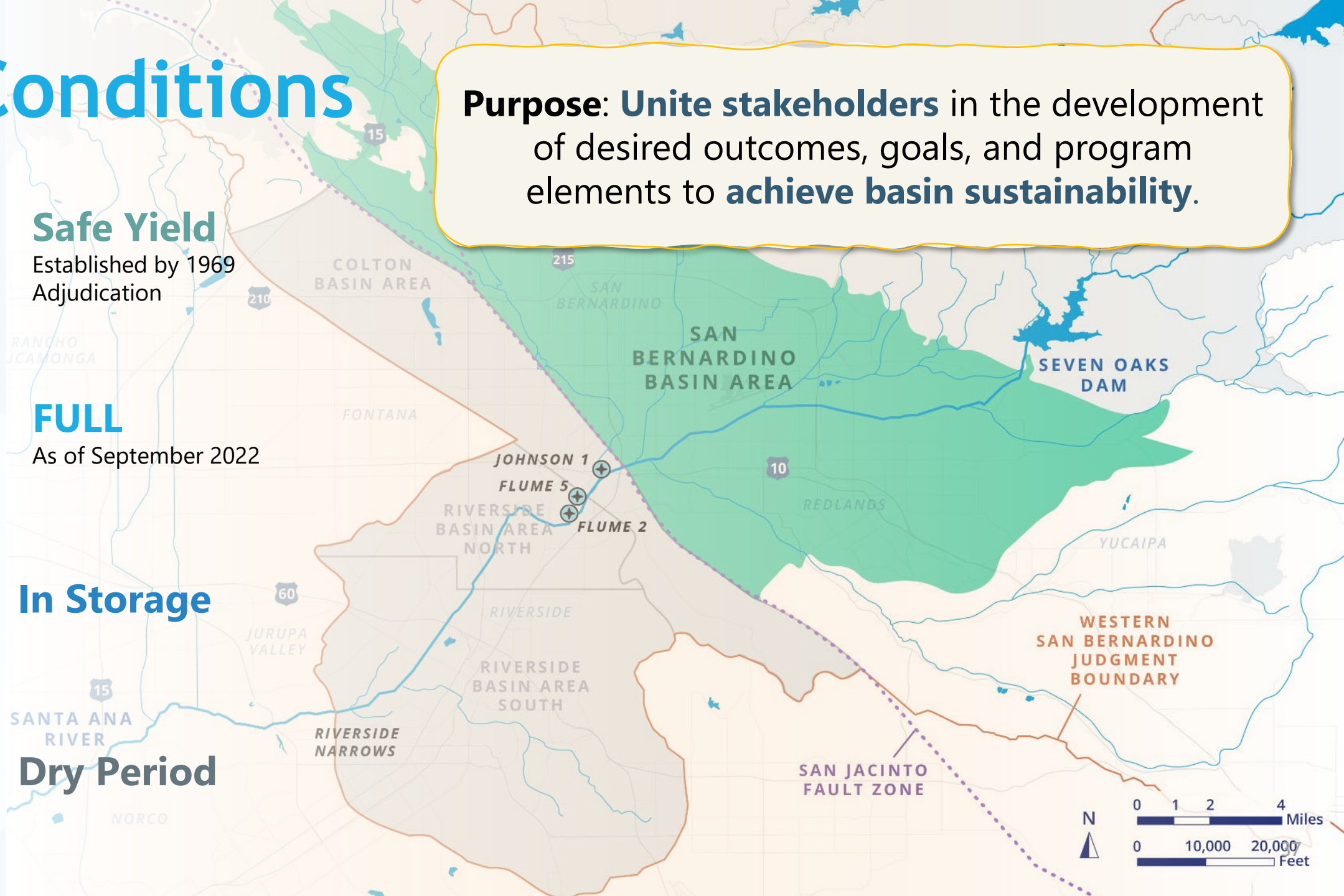
4.7
MAF

In Storage

23
years

Dry Period

Purpose: Unite stakeholders in the development of desired outcomes, goals, and program elements to **achieve basin sustainability.**



Facilitated Stakeholder Engagement

Invited Participant Agencies

- **Bear Valley Mutual Water Co.**
- **City of Colton/Terrace Water Co.**
- City of Loma Linda
- **City of Redlands**
- **City of Rialto**
- Crafton Water Company
- Devore Water Company
- **East Valley Water District/North Fork Water Co.**
- **Elsinore Valley MWD**
- **Fontana Water Company**
- Marygold Mutual Water Co.
- Muscoy Mutual Water Co.
- **Riverside Highland Water Co.**
- **Riverside Public Utilities**
- **San Bernardino Municipal Water Department**
- **San Bernardino Valley Municipal Water District**
- **San Bernardino Valley Water Conservation District/Big Bear Watermaster**
- **San Gorgonio Pass Water Agency**
- **South Mesa Water Company**
- University of California Riverside
- **West Valley Water District**
- **Western Heights Water Company**
- **Western Municipal Water District**
- **Yucaipa Valley Water District**

**Bold text denotes participation in Framework development process.*

Program Goals

1. Develop and **maximize beneficial use** of available water supplies
2. Protect and improve **water quality** and **watershed health**
3. Achieve **Basin sustainability** so groundwater **producers can access water** when and where it is needed
4. Define priorities and **equitable financing** for regional investments
5. Enhance the effectiveness of **Basin management and oversight**

Stakeholder Engagement Process



MAY 2023

KICKOFF WORKSHOP

Presented the purpose, vision, approach, and desired outcomes for the Program, including an overview of the expected process, timeline and stakeholder engagement.



AUG 2023

WORKSHOP 1

State of the Basin Workshop

Reviewed the regional context of the San Bernardino Basin, including a summary of the judgment, brainstormed and prioritized desired outcomes, and conducted SWOT exercise.

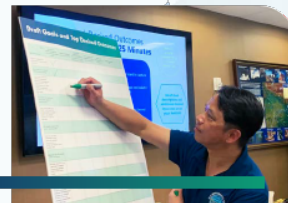


SEPT/OCT 2023

AGENCY INTERVIEWS

Small Group Stakeholder Engagement

Discussed stakeholders' goals and identified opportunities and concerns relative to basin management to inform the Basin Context Summary and overall program development.



OCT 2023

WORKSHOP 2

Purpose, Desired Outcomes, Success Metrics, & Goal Setting

Developed purpose statement, reviewed key themes from small group stakeholder interviews, refined specific basin optimization goals and discussed draft program elements.



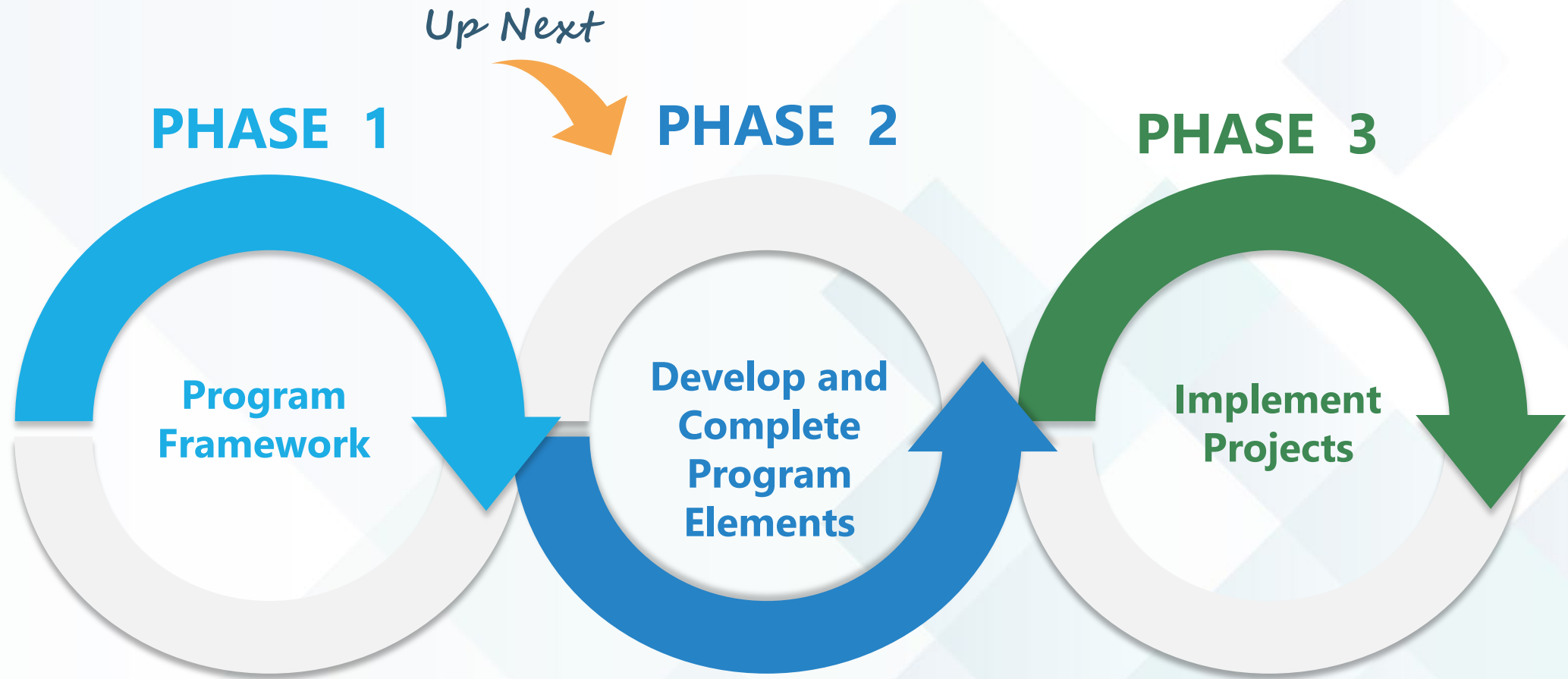
DEC 2023

WORKSHOP 3

Program Elements & Priorities

Updated and affirmed purpose statement, desired outcomes, and basin optimization goals. Refined and prioritized program elements and implementation strategy.

SBB Optimization Program Process



General Themes



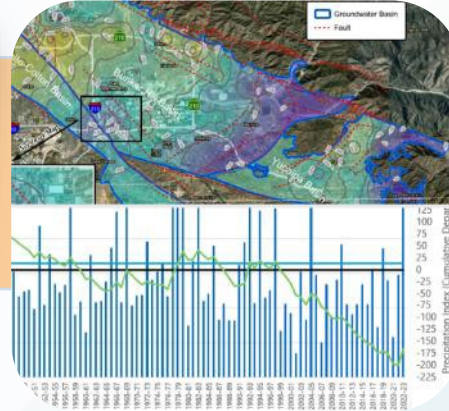
LONG-TERM SUSTAINABILITY

Long term sustainability of the Basin for pumpers is the highest priority and should be pursued first before adding outside partners.



SHORT-TERM PROGRESS

Desire to achieve meaningful short-term progress while developing a long-term adaptive management plan for generational sustainability.



ANALYTICAL TOOLS

Use of sophisticated analytical tools and scenario-based planning to evaluate a comprehensive set of projects and practices.



REGIONAL COLLABORATION & FUNDING

Regional collaboration on projects can leverage strengths and resources of different agencies, increase probability of receiving grant funds and make solutions affordable for individual agencies.



REGIONAL BENEFITS & EQUITY

Importance of clarity and equity related to costs and benefits for basin-wide projects and programs.

Basin Context Summary

Basin Context Summary



Key information needed to support discussions

Reference List

Legal Documents Relevant to Basin Management

San Bernardino Basin

1969 Western-San Bernardino Judgement
1969 Orange County Judgement
1996 Big Bear MWD – San Bernardino Valley Imported Water Purchase Agreement
1976 Santa Ana River-Mill Creek Cooperative Water Project Agreement (Exchange Plan)
1977 Big Bear Lake Judgement
2004 Seven Oaks Accord
2004 Consent Decree, City of San Bernardino v. United States of America, CV 96-8867 and CV 96-5205

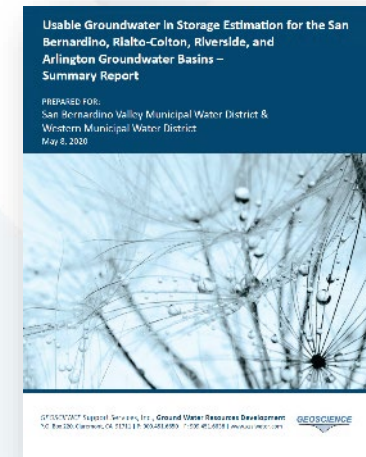
2005 Settlement Agreement (San Bernardino Valley, Western Water and SBVWCD)
2005 MOU between City of Riverside, Valley District, and Western
2007 Agreement between City of Riverside, Valley District, and Western
2007 Cooperative Agreement to Protect Water Quality and Encourage the Conjunctive Uses of Imported Water in the Santa Ana River Basin

Other Basins (Partial list for reference)

1961 Rialto Basin Decree
2018 Settlement Agreement (Fontana, SBV, Rialto)

Comprehensive list of basin management documents

Reference Documents



Documents, reports, presentations, webpages etc.

Foundational knowledge necessary for fostering continuous conversations, improvement and sustainability

Program Elements

Basin Management Frameworks

- Basin Management Framework
- Basin Accounting Framework
- Principles for Outside Partnerships
- Groundwater Banking and Framework

Foundation of a new basin management structure to support basin health, project implementation, and judgment compliance.

Basin Sustainability and Adaptability Plan

Strategy for long-term sustainability and judgment compliance.

Funding and Financing Plan

Financial strategy for delivering the Regional Infrastructure Master Plan.

Regional Infrastructure Master Plan

Prioritization and schedule of regional infrastructure projects per recommendations from the Sustainability and Adaptability Plan.

Water Quality Management Plan

Strategy for managing salts, nutrients, and contaminant plumes in the Basin.

Example

Program Element 1

Description, Purpose, Goal Alignment

Related Past and Current Activities

Detailed Scope and Prioritized Actions

Schedule, Sequencing and Integration

Roles, Responsibilities & Coordination Needs

Complete Program Element

 Phase 1 – Framework

 Phase 2 – Develop and Complete Program Elements

PHASE 2a

Phasing Planning & Implementation

Baseline Understanding of the State of the Basin

- Develop foundational understanding of historic and current conditions within the Basin.
- Establish Basin Management Areas to inform analysis, management, and implementation.
- Highlights key trends to support further analysis and discussions about the future of Basin management.

PHASE 2a

Basin Management Planning

- Development of basin health criteria and preliminary sustainability goals.
- Development of potential projects and management activities to achieve goals including internal water banking and outside partnerships.
- Develop technical recommendations for prospectively setting Sustainable Yield and establishing an adaptive management process.

Basin Management Decision Making & Funding Mechanisms

- Identify current basin management deficiencies and opportunities for improvement.
- Recommend a new management structure and mechanisms that will operate within the framework of the 1969 Judgment and build a path towards long-term basin sustainability.
- Identify equitable funding mechanisms for associated ongoing and future basin management activities.

Related Work

Updated Groundwater Model (By Others)

PHASE 2b

Sustainability & Adaptability Plan

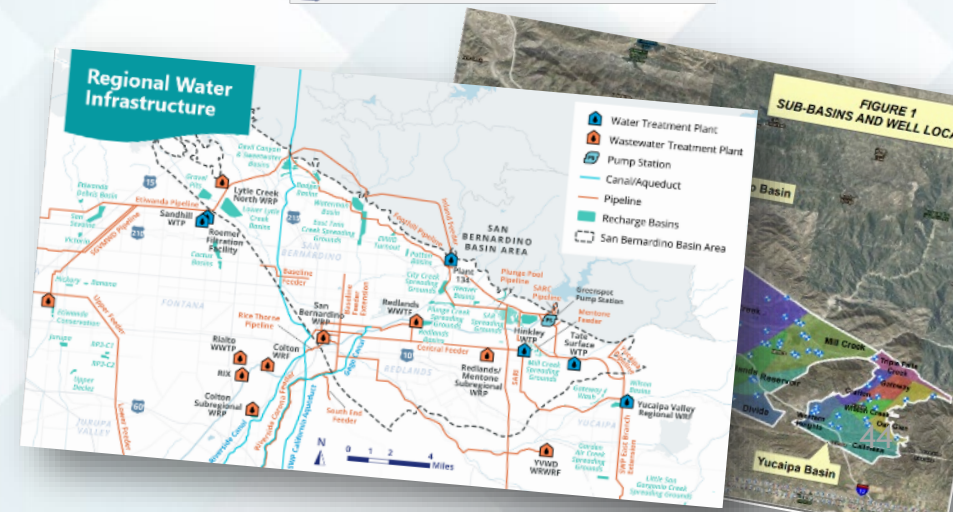
- Evaluates and prioritizes concrete strategies and actions to achieve Basin sustainability goals.

FUTURE

 **Regional Infrastructure Master Plan**

 **Funding & Financing Plan**

 **Water Quality Management Plan**



Key Factors & Lessons - *so far*

- ✓ Clearly defined technical **process** tied to achieving goals and desired outcomes
- ✓ **Committed leadership** by regional agencies: Western Water and San Bernardino Valley
- ✓ Facilitated **stakeholder driven process** for alignment on path forward
- ✓ **Consistent participation** and engagement from stakeholders

Trust. Partnerships. Strategy.



Approaching Water Resilience

LESSONS LEARNED FROM MULTI-AGENCY COLLABORATION

Jeff Szytel

CEO/Founder



Value of Multi-Agency Collaboration for Water Resilience



When does your organization pursue multi-agency collaborative efforts?

- ☐ Never, we always go it alone.
- ☐ Rarely, we tend to be cautious and skeptical.
- ☐ Frequently, in fact we are actively working on one or more multi-agency collaborative projects right now.
- ☐ All the time, it is how we do business.

Unique Risks of Multi-Agency Collaboration

Differing values,
priorities and
perspectives

Leadership
turnover

Competing
interests and
legacy efforts

Shifting politics,
special interests

Lack of shared
knowledge base

Hidden
costs

Sharing of costs,
benefits and risk



ACHIEVING DESIRED RESULTS WHILE MANAGING RISK

Best Practices and Lessons Learned

1

Effective
planning and
preparation

2

Creating and
sustaining
momentum

3

Process and
communication

4

Adaptive
management

5

Navigating
politics

BUILD THE FOUNDATIONS FOR SUCCESS

Effective planning and preparation

Roles and
Responsibilities

Relationship
Building

CPM
Schedule

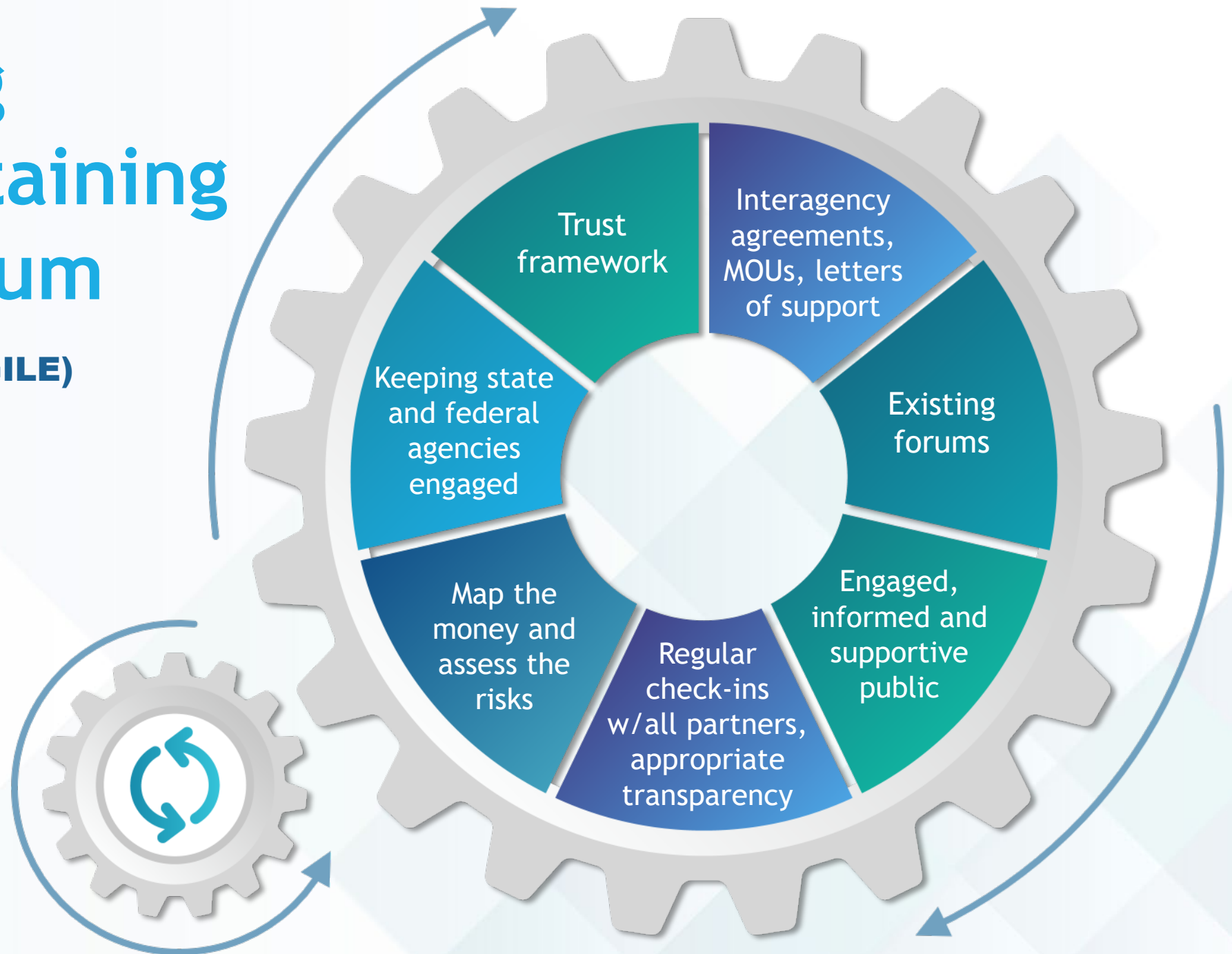
Knowledge
Management

Supporting
studies

Cost share
framework

Creating and Sustaining Momentum

(HINT: IT'S FRAGILE)



SETTING AND KEEPING THE RIGHT PACE

Slow is smooth.
Smooth is fast.

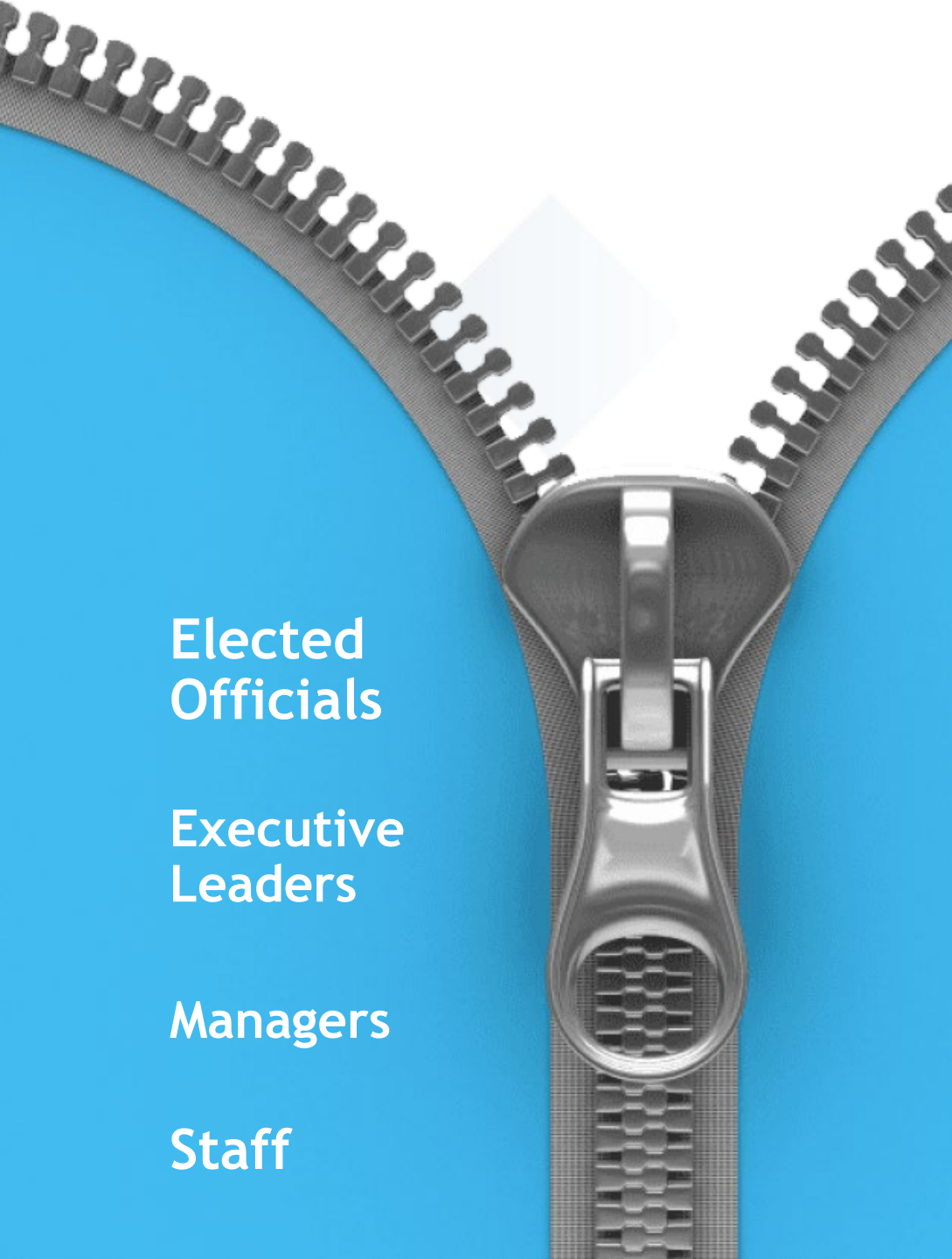
- ❖ Deliberate, methodical action
- ❖ Better, more efficient outcomes
- ❖ Especially important in high-stress, high-stakes and critical situations



Communication is always imperfect.

SO WHAT CAN WE DO ABOUT IT?

- ❖ The zipper approach
- ❖ Purposeful teams that are well coordinated
- ❖ Leadership and facilitation
- ❖ Documentation, follow-up, shared materials



Elected
Officials

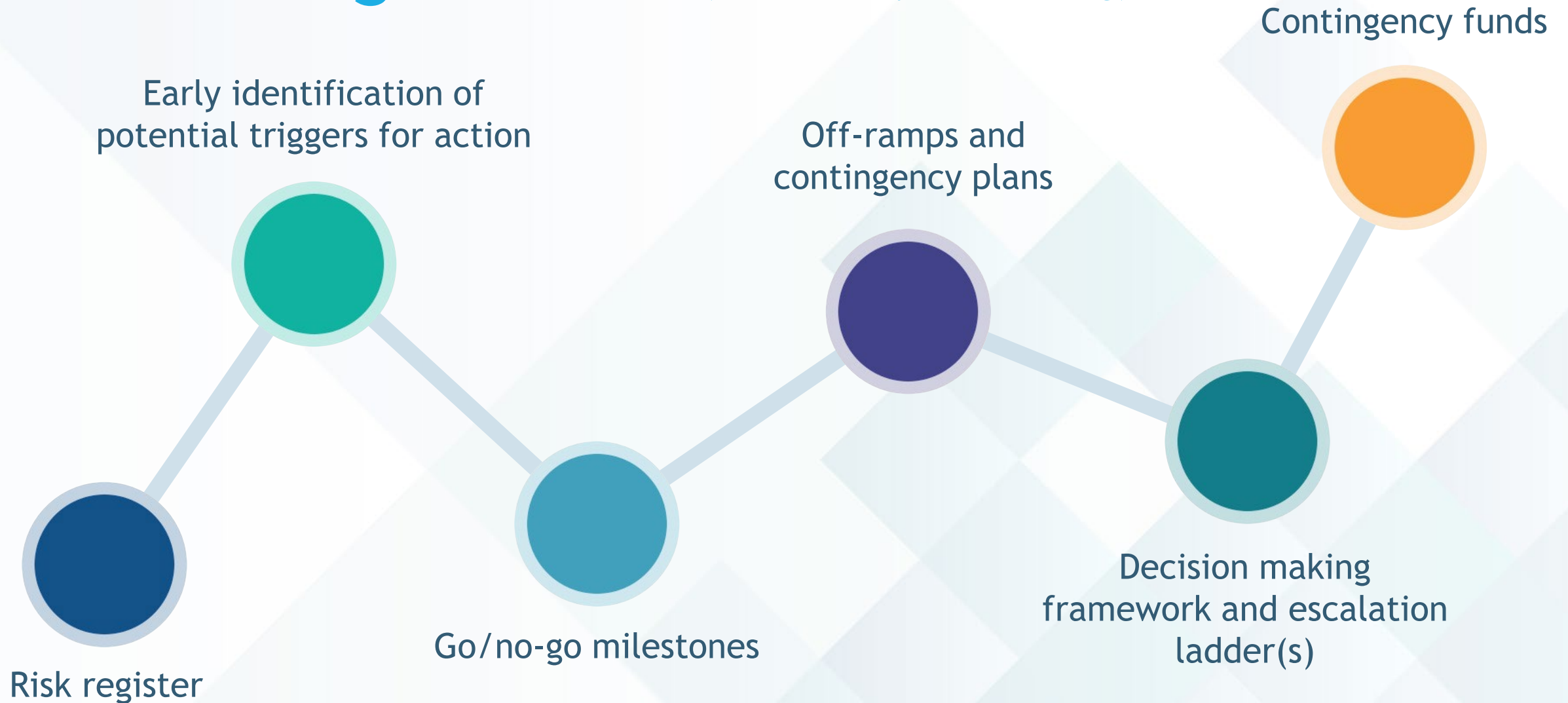
Executive
Leaders

Managers

Staff

PLANNING AND IMPLEMENTING IN CONSTANTLY CHANGING CONDITIONS.

Connecting the dots (While they're moving)



“All politics is local.”

**HOW CAN MANAGERS AND IMPLEMENTERS
EFFECTIVELY NAVIGATE TRICKY POLITICS?**

- ❖ Who is on first...?
- ❖ Agency autonomy
- ❖ Reading the tea leaves and working the channels
- ❖ Remember, slow is smooth...



This sounds like hard work. Yes, it is.

- ❖ Easy and solo stuff is already done
- ❖ Risks are real for you and your partners
- ❖ Timelines can exceed political terms and careers
- ❖ A strong underpinning, like a strategic plan, can provide continuity
- ❖ Courageous leadership, resilient partnerships, and shared strategy are needed throughout

“Success is not final, failure is not fatal: it is the courage to continue that counts.”

Thank you!



LEAGUE OF
**CALIFORNIA
CITIES**



March 2025

CREATING NEW MODELS FOR WATER RESILIENCE

Expert Panel

Paul Jones

Senior Advisor



Kristine McCaffrey

General Manager



Joshua Aguilar

Deputy Director of Water Resources



Jeff Szytel

CEO/Founder



2025 Public Works Officers Institute

**REGIONAL APPROACHES TO SECURING
CALIFORNIA'S WATER FUTURE**

Creating New Models for Resilience



MARCH 20, 2025