



Integrated Water Resources Framework (One Water)

- Purpose and Goals
- Public Outreach
- Findings and Case Studies
- Next Steps

Presented to Board of Supervisors
December 9, 2025
Department of Resource Management

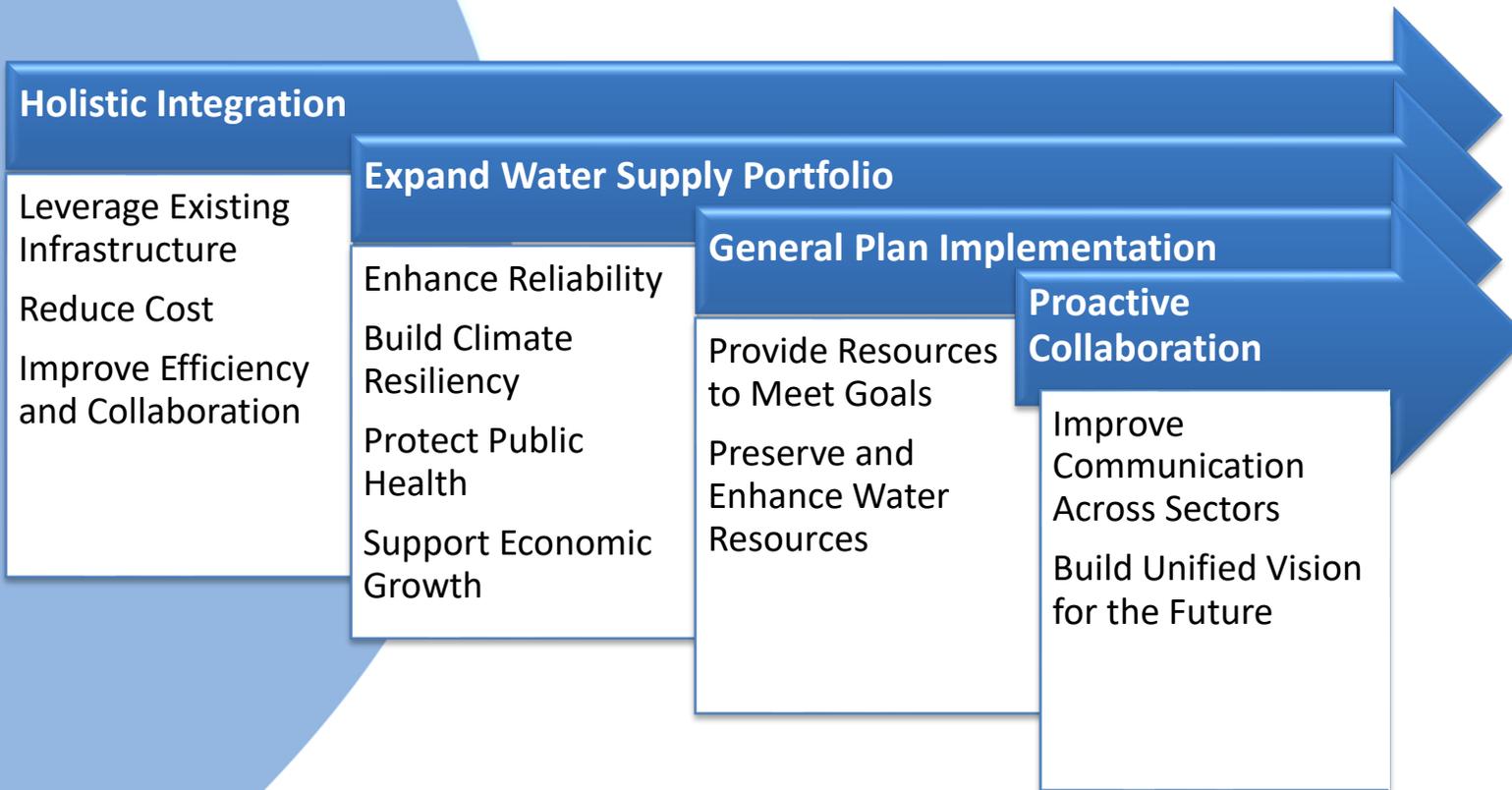
Misty Kaltreider, Water & Natural Resources Program Manager
Sachi Itagaki, Kennedy Jenks



One Water Framework - Background

Funded: The American Rescue Plan Act \$300,000 (April 2022)

Board Priority E3: Framework for Water Resources Portion of a Utilities Master Plan



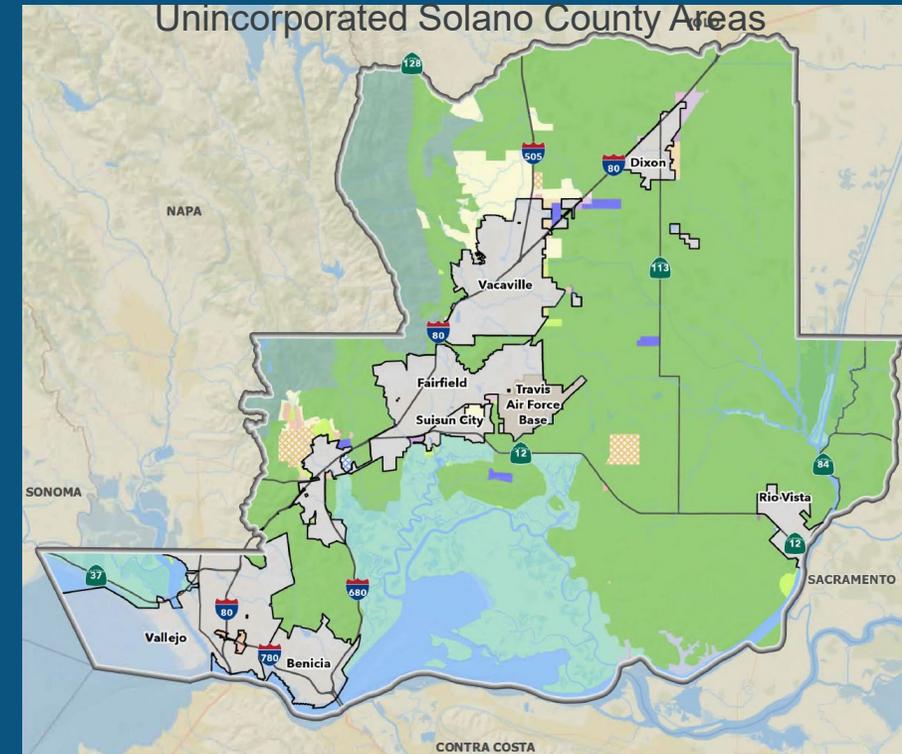
One Water Framework – Purpose

Objective

- Provide a coordinated approach to managing water resources in unincorporated County
- Align water resource planning with the Solano County General Plan
- Work with stakeholders to identify key water resource challenges and opportunities
- Develop shared One Water principles, goals, and strategies that support agriculture economic growth
- Create a collaborative process for advancing regional multi-benefit projects

Outcome

- Vision, goals, and strategies to guide development of the future Solano County Utilities Master Plan



Steering Committee Member Representatives

- **Water purveyors**

- Benicia
- Dixon
- Fairfield
- Rio Vista
- Suisun City
- Vacaville
- Vallejo
- Rural North Vacaville Water District
- Cal Water Dixon

- **Special Districts**

- Solano Irrigation District/SID GSA
- Fairfield-Suisun Sewer District
- Vallejo Flood and Wastewater District
- Maine Prairie Water District
- RD 2068
- RD 501

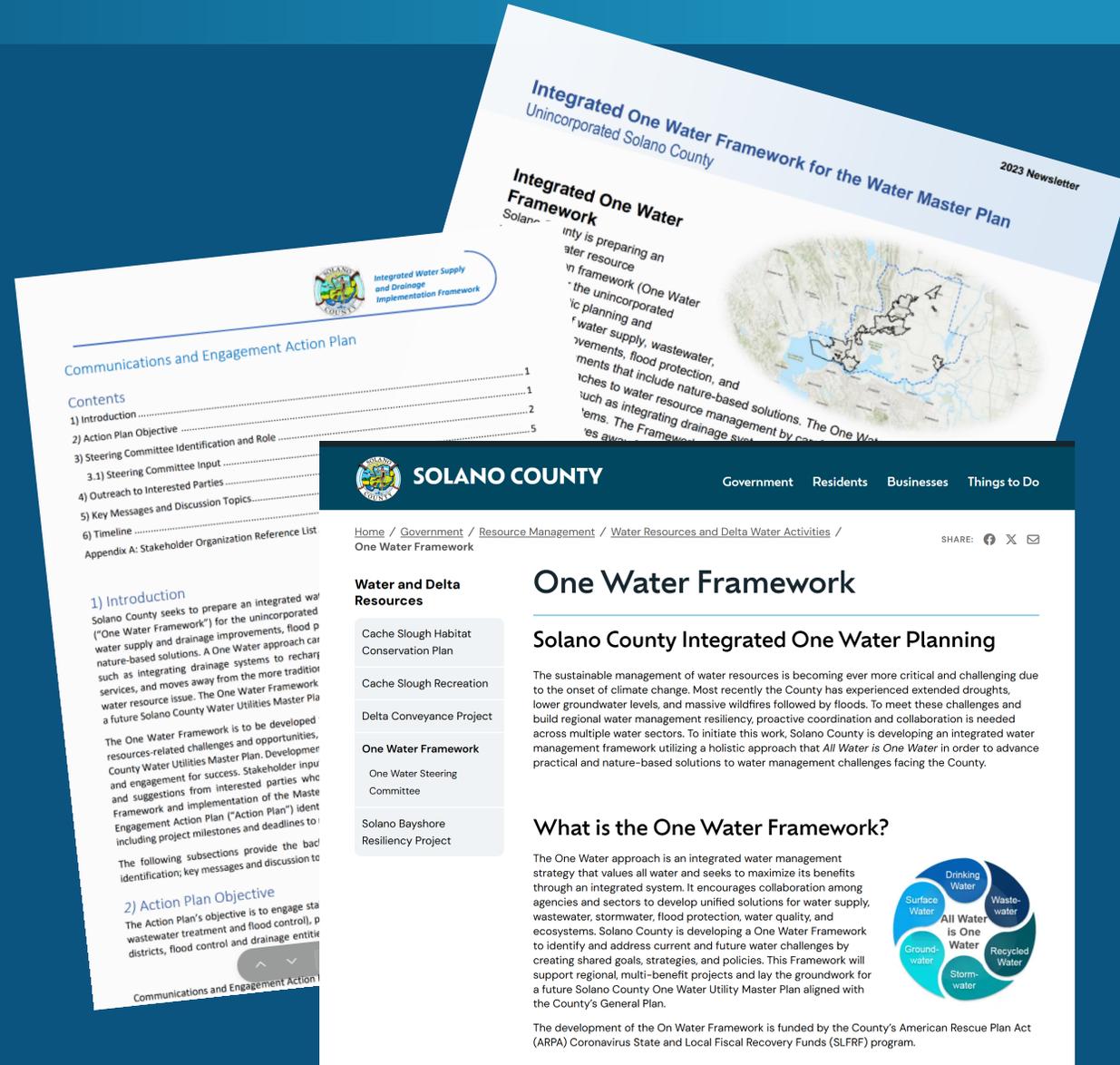
- **Other Agencies/Entities**

- Solano County Resource Management
- Solano County Water Agency/Solano Subbasin GSA
- Solano County Agricultural Commissioner
- Solano Transportation Authority
- Solano County Farm Bureau
- Solano Economic Development Corporation
- Dixon RCD
- Solano RCD
- Suisun RCD

One Water Framework – Process & Public Outreach

- Communication and Engagement Plan
 - Established a Steering Committee
 - Hosted Multiple Steering Committee meetings (2023 through 2024)
 - Framework Review Meetings (2025)
 - Presented at Other Forums
 - Newsletter
 - Website

https://www.solanocounty.com/depts/rm/delta_and_water_programs/one_water_framework/



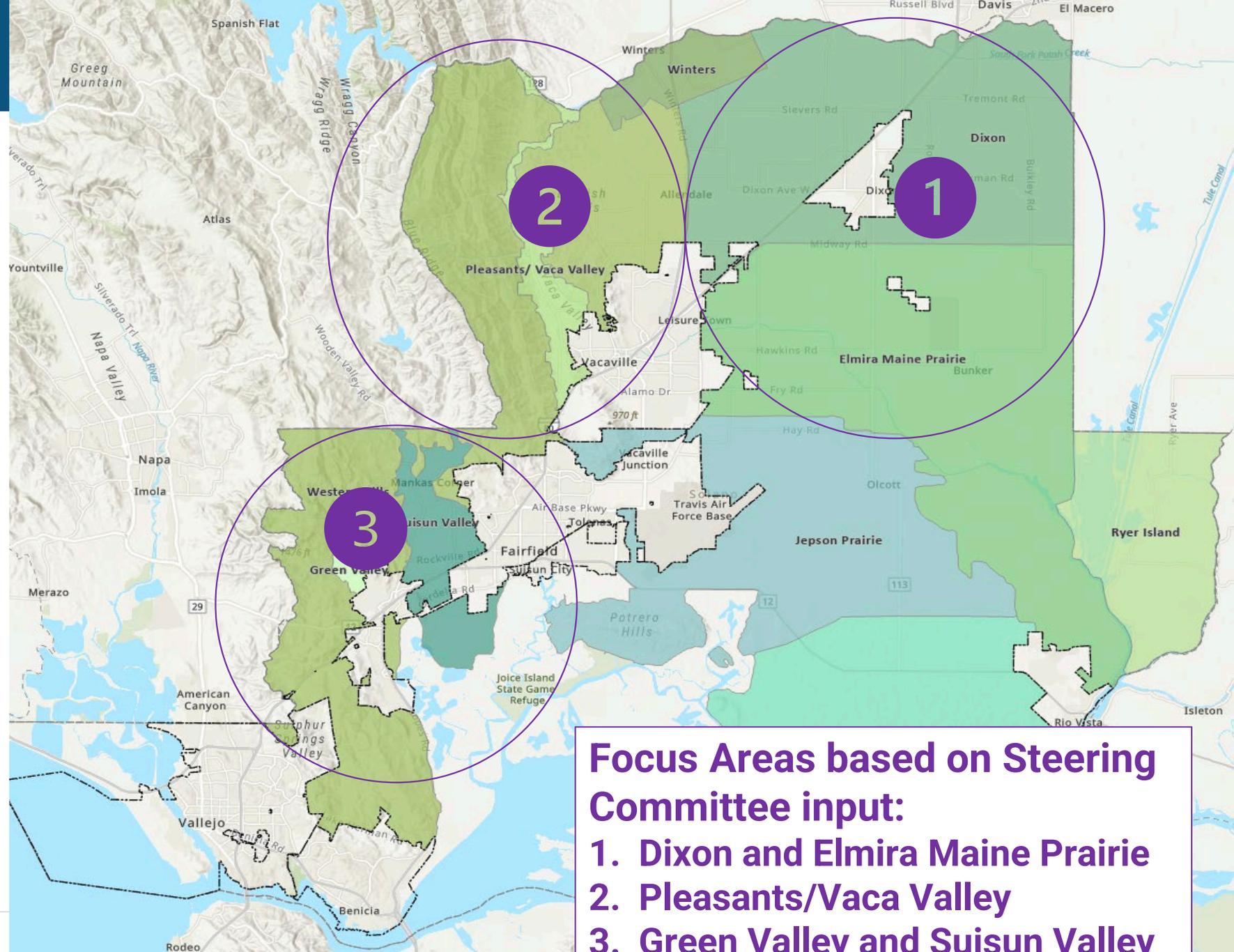
Findings Overview

Challenges

- Water Supply Reliability
- Infrastructure Availability Limitations
- Wastewater System Limitations
- Multiple Systems Lacking Redundancy
- Financial Challenges for Small Systems (too few customers for large service areas)
- Drainage and Flood Management

Opportunities

- Partnerships / Agreements
- Public Outreach / Education
- Data Collection for Next Steps
- Policy Updates and Implementation
- Multi-benefit Infrastructure
- Small Water System Consolidations
- Nature-based Solutions / On-farm Recharge
- Recycled Water Reuse



Focus Areas based on Steering Committee input:

- 1. Dixon and Elmira Maine Prairie**
- 2. Pleasants/Vaca Valley**
- 3. Green Valley and Suisun Valley**

One Water Framework - Goals

- 1** Support implementation of the ***Solano County General Plan*** and ensure long-term economic growth through integrated water resources
- 2** Develop governance structures to support regional water resources management through ***interagency collaboration and partnerships***
- 3** Enhance local sustainable ***water supply reliability*** for climate change resiliency
- 4** ***Improve local drainage and flood protection*** to reduce risks from sea level rise and climate change
- 5** Implement multi-benefit strategies, projects, and programs through the management and ***integration of all water resources***



One Water Framework – Key Recommendations



Governance & Partnerships:
Establish clear agency roles and coordination structures



Data & Infrastructure Assessment: Complete system inventories, and develop a shared, data platform



Policy & Funding Alignment:
Update and align ordinances and coordinate capital planning with Framework principles; pursue state and federal funding opportunities



Public Engagement:
Maintain active community participate through education and outreach

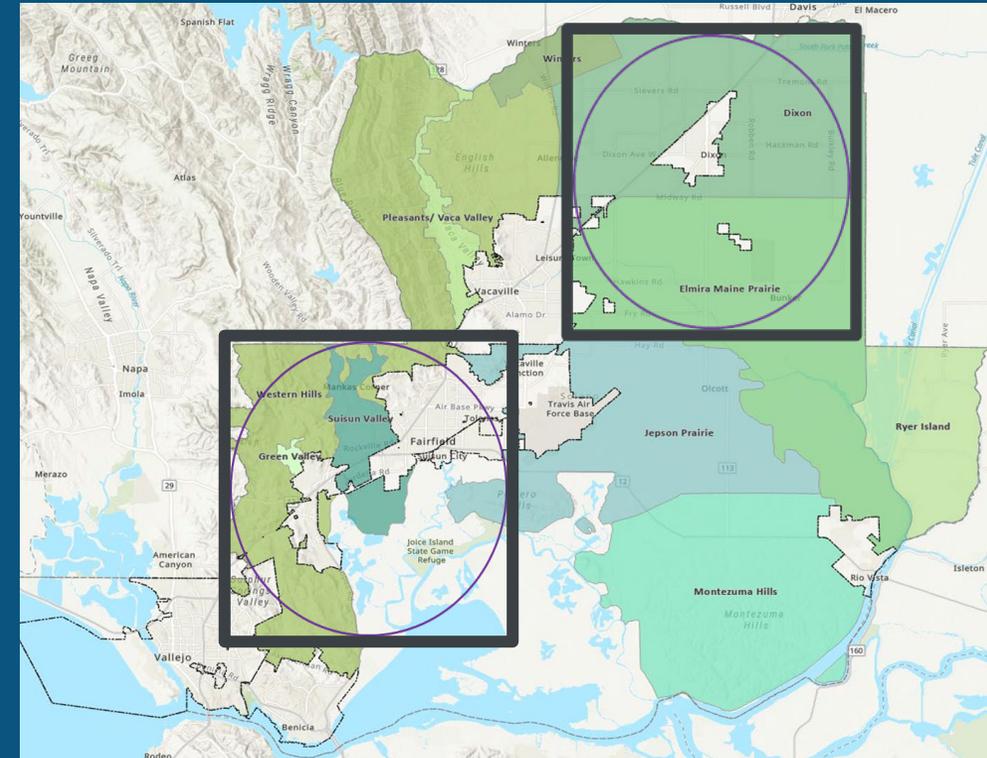


Framework Integration: Guide development of the Utilities Master Plan and inform related initiatives

Conceptual Projects

Three multi-benefit conceptual projects demonstrate integrated water solutions

- A. Waterway Maintenance and Streamlined Permitting – Suisun Valley**
- B. Regional Coordination for Multi-Benefit Drainage & Groundwater Recharge – Dixon Ridge**
- C. Water Supply & Wastewater Assessment Study – Green and Suisun Valleys**



Funding Opportunities

Proposition 4

- **State Water Resources Control Board (SWRCB)** - Drinking Water
- **Dept of Water Resources (DWR)** – Flood Risk/SWRCB Urban Stormwater Management; Integrated Regional Water Management; Groundwater Management (through Solano Collaborative)
- **Wildlife Conservation Board** – Streamflow Enhancement Program/Habitat Enhancement and Restoration
- **Dept. of Conservation** – Multi-benefit Land Repurposing Program
- **SWRCB/DWR** – Stream Gage Improvement Program
- **California Natural Resources Agency** – Nature and Climate Education and Research

Other

- **SWRCB SAFER** Drinking water/Small community drinking water for DAC
- **SWRCB** Drinking Water/Clean Water State Revolving Fund (SRF) Loan/loan forgiveness – requires USEPA funding
- **California Infrastructure and Economic Development Bank (I-Bank)** loan
- **Federal Programs** – High uncertainty

Recommendations:

- 1) Receive Presentation on the Draft One Water Framework
- 2) Provide Direction on Next Steps including advancing the Utilities Master Plan

Next Steps

- Receive Public Comment through January 22, 2026
 - Email: OneWater@SolanoCounty.gov
- Finalize Framework Spring 2026

