

Potential Widespread Impacts of Central Valley Salinity Management Approaches

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5th Annual Desalination and Salt Management Conference

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Managing salinity in the Central Valley has been a multi-decade effort

Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) Initiative

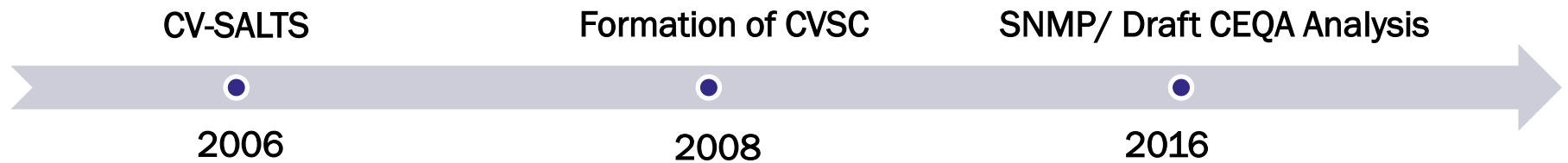
Long-Term Goals

- Resolve salinity and nitrate issues
- Focus on San Joaquin and Tulare basins

Short-term intent

- Amend the Central Valley Basin Plan
- Allow continued discharge of salt and nitrate until long-term solutions are implemented

Long-term solution will take another 20+ years to fully implement



- Next 10 years: Prioritization and optimization study
- 10 years from now: Design to treat salts
- 20 years from now: Construction of treatment solutions

A drinking water quality perspective is needed to consider holistic impacts

Stakeholders currently consist mainly of wastewater, urban runoff, agricultural, and food processor dischargers

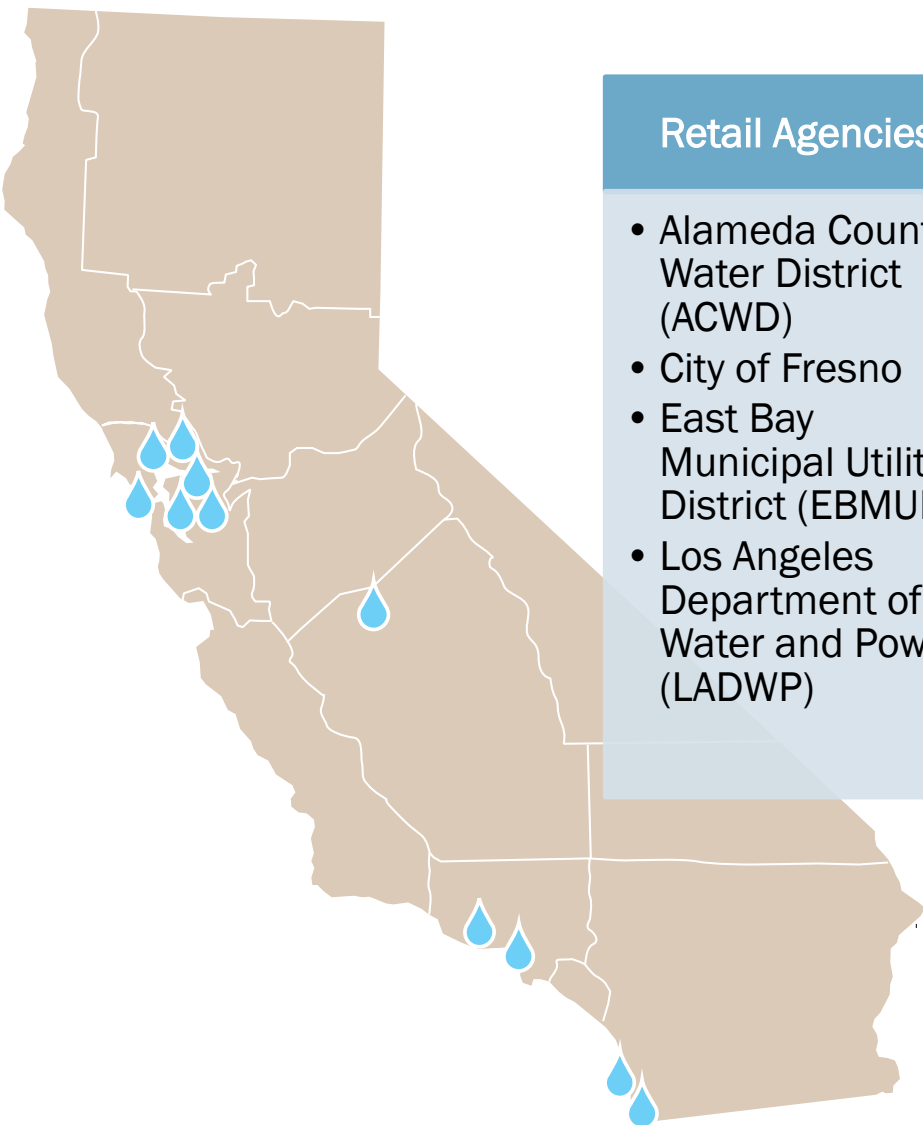
Key issues for Drinking Water Suppliers:

Appropriate application of secondary maximum contaminant levels (MCLs)

Application of the Sources of Drinking Water Policy to agriculturally dominated waterbodies

- Potential de-designation of drinking water (MUN) use in a number of agriculturally dominated waterbodies

California Urban Water Agencies (CUWA) serve over two-thirds of California's population



Retail Agencies

- Alameda County Water District (ACWD)
- City of Fresno
- East Bay Municipal Utility District (EBMUD)
- Los Angeles Department of Water and Power (LADWP)

Retail/Wholesale Agencies

- Contra Costa Water District (CCWD)
- City of San Diego
- San Francisco Public Utilities Commission (SFPUC)

Wholesale Agencies

- Metropolitan Water District (MWD)
- Santa Clara Valley Water District (SCVWD)
- San Diego County Water Authority (SDCWA)
- Zone 7 Water Agency

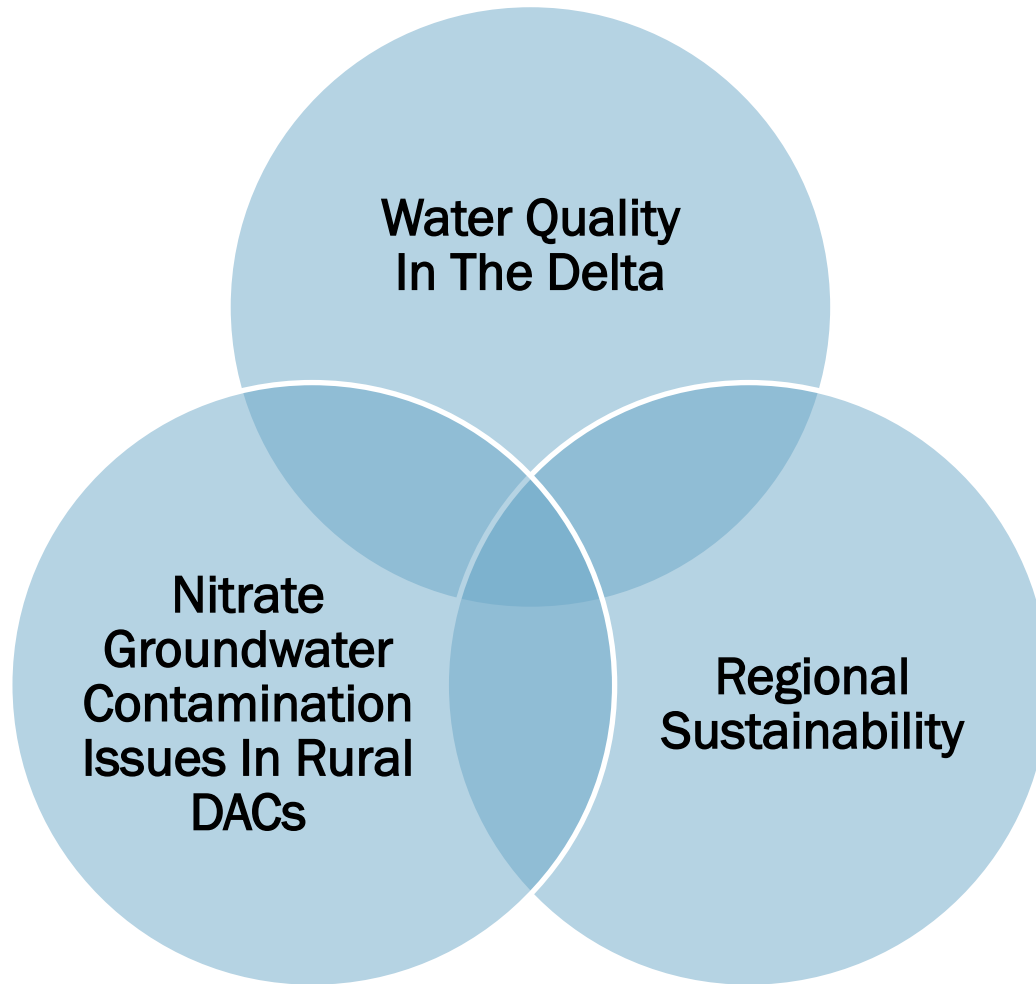
CALIFORNIA URBAN WATER AGENCIES

CUWA's involvement as a Stakeholder to help protect drinking water quality

- Attend Regional Board Workshops and Executive Committee meetings
- Monitor efforts on potential MUN de-designation
- Provide comments on CV-SALTS work products



Holistic Solutions to Water Quality Issues Are Needed



Where Do We Head from Here?

Additional data analysis needed to determine extent of impacts

- Potential for Increased TDS in Sacramento River
- Potential Use of Full Assimilative Capacity of San Joaquin River

Input to State Board in a timely manner

- Feb 2017 – Comments on Final SNMP
- Mar 2017 – Comments on MUN Process

Engagement on Drinking Water Implications is Critical



- Need more drinking water perspectives as part of the discussion
- Are there alternative solutions to a brine line that could achieve the same water quality goals on a more accelerated timeframe?

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