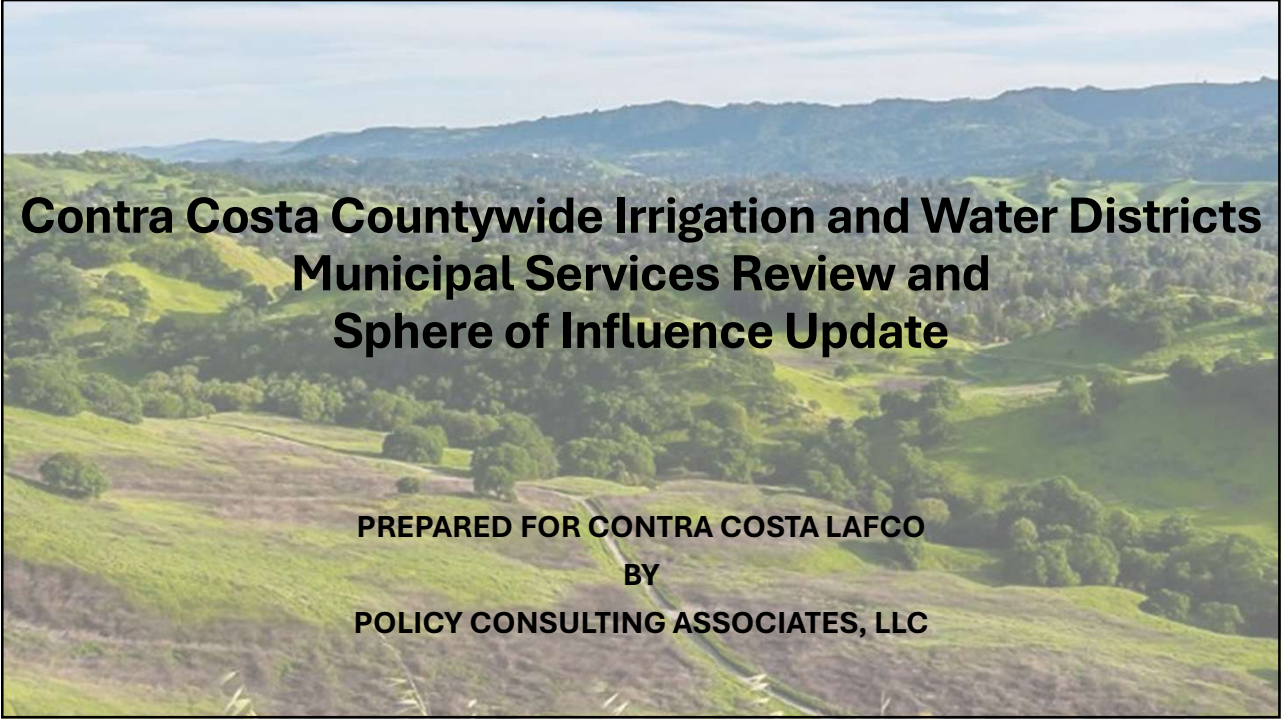




Contra Costa Countywide Irrigation and Water Districts Municipal Services Review and Sphere of Influence Update

PREPARED FOR CONTRA COSTA LAFCO
BY
POLICY CONSULTING ASSOCIATES, LLC

1

MUNICIPAL SERVICES REVIEW (MSR)

GC Code Section 56430 requires LAFCO to make certain determinations:

- Growth and population projections for the affected area;
- The location and characteristics of any disadvantaged unincorporated communities (DUCs) within or contiguous to the SOI;
- Present and planned capacity of public facilities and adequacy of public services, including infrastructure needs or deficiencies (including needs or deficiencies related to sewers, municipal and industrial water, and structural fire protection in any DUCs within or contiguous to the sphere of influence);
- Financial ability of agencies to provide services;
- Status of and opportunities for shared facilities;
- Accountability for community service needs, including governmental structure and operational efficiencies; and
- Any other matter related to effective or efficient service delivery, as required by commission policy.

2

Public Draft MSR Outline

- Agency Overview
- Agency Map
- Accountability & Governance
- Disadvantaged Unincorporated Communities
- Service and Facilities
- Financing
- Governance Structure Options
- MSR Determinations
- SOI Update Section

3

Reviewed Agencies

Agency	Service	Service Area
Byron-Bethany Irrigation District (BBID)	Irrigation water	Within Contra Costa: Byron and surrounding areas
East Contra Costa Irrigation District (ECCID)	Irrigation water	Brentwood & portions of Antioch, Oakley, surrounding areas
Castle Rock County Water District (CRCWD)	Irrigation & landscape water	Walnut Creek & surrounding areas
Contra Costa Water District (CCWD)	Wholesale & retail treated & untreated water	Central & eastern Contra Costa County
Diablo Water District (DWD)	Retail potable water	Oakley & surrounding areas

4

Primary Water Supply Sources

Agency	Pre-1914 Water Rights	Central Valley Project	Purchased CCWD Water	Groundwater
BBID (Within Contra Costa)	✓			
ECCID	✓			✓
CRCWD			✓	
CCWD		✓		
DWD			✓	✓

5

Reliability & Emergency Preparedness- Irrigation Districts

Byron- Bethany Irrigation District (BBID)

Supply Reliability

- 2003 DWR diversion agreement (50,000 acre feet per year) • DWR conveyance facilities

Emergency Preparedness

- Routine monitoring • Infrastructure maintenance • Agricultural Water Management Plan

East Contra Costa Irrigation District (ECCID)

Supply Reliability

- DWR water quantity & quality agreement • Supplemental groundwater during droughts & canal outages

Emergency Preparedness

- Customer metering • Routine infrastructure maintenance • Drought response procedures

6

Reliability & Emergency Preparedness- Water Districts

Castle Rock County Water District (CRCWD)

Supply Reliability

- Purchased CCWD water • Contra Costa Canal

Emergency Preparedness

- Coordination with CCWD during planned canal shutdowns

Contra Costa Water District (CCWD)

Supply Reliability

- Los Vaqueros Reservoir • Multiple Delta intakes • Local water rights • Interagency water agreements • Recycled water

Emergency Preparedness

- Multi-Purpose Pipeline • Backup generators • Long-term planning • Ongoing infrastructure maintenance

7

Reliability & Emergency Preparedness- Water Districts Cont'd

Diablo Water District (DWD)

Supply Reliability

- Groundwater blending • Planned recycled water project

Emergency Preparedness

- Three emergency interties • Three reservoirs (12.5 Million Gallons) • Standby generators • Ongoing infrastructure maintenance • Long-term planning

8

Key Infrastructure

Agency	Key Infrastructure	Current Conditions
BBID	Canals; Pump stations; Pipelines ; Supervisory Control and Data Acquisition (SCADA)	Routine maintenance & phased replacement
ECCID	Main canal; Groundwater wells; Pump stations	Routine maintenance & phased replacement
CRCWD	Storage tank; Distribution system	Storage tank rehabilitation & long-term funding
CCWD	Los Vaqueros Reservoir; Contra Costa Canal; Two Water Treatment Plants (WTP); Distribution system	Capital Improvement Program
DWD	Jointly-owned WTP; Reservoirs; Groundwater wells; Distribution system	Capital Improvement Program

9

Service Adequacy - Water Quality

Potable Water Systems (CCWD & DWD)

- ✓ Routine source and treated water monitoring
- ✓ Compliant with State drinking water standards

Current Conditions

- **CCWD:** Comprehensive water quality monitoring; no primary drinking water violations since 1999.
- **DWD:** Secondary manganese Maximum Contaminant Level (MCL) exceedances (non-health based) in groundwater wells; wellhead treatment project underway.

Irrigation Systems (BBID, ECCID & CRCWD)

- ✓ **BBID & ECCID:** Periodic agricultural water quality testing
- ✓ **ECCID:** DWR agreement establishes water quantity and quality conditions
- ✓ **CRCWD:** Relies on CCWD source water monitoring

10

Service Adequacy - Operations

Water Loss: State-required annual water loss audits (SB 606 & AB 1668).

- **CCWD:** Water losses currently exceed the State performance standard; compliance efforts are ongoing.
- **DWD:** Water losses meet State performance standards.

Water Pressure & Fire Flow

State Standard: Minimum operating pressure of 20 pounds per square inch (psi).

- **CCWD:** Exceeds the standard (40 psi minimum; ~73 psi average)
- **DWD:** Exceeds the standard (50 psi minimum; ~78 psi average)

Service Availability

CRCWD: Planned Contra Costa Canal shutdowns temporarily interrupt water deliveries.

- **Recommendation:** Establish annual service availability periods.

11

Demand Vs Capacity

Agency	Current Demand	Capacity Measure	Finding
BBID	~25,000 AFY	50,000 AFY diversion capacity	Adequate diversion capacity
ECCID	~32,700 AFY	50,000 AFY water supply	Adequate supply
CRCWD	Seasonal irrigation demand	Existing wholesale supply	Adequate supply
CCWD	31.2 MGD average treated deliveries	110 MGD treatment capacity	Adequate treatment capacity
DWD	5.43 MGD average; 7.96 MGD peak	19 MGD system capacity	Adequate treatment capacity
* AFY- acre feet per year			

12

Population & Growth

Limited Growth

- **BBID:** Growth constrained by County Urban Limit Line; stable irrigation demand.
- **ECCID:** Urban growth in Brentwood, Antioch & Oakley; stable irrigation demand.
- **CRCWD:** Built-out service area; minimal future growth.

Moderate to Significant Growth

- **CCWD:** Infill, redevelopment, and Concord Naval Weapons Station; increased demand anticipated.
- **DWD:** 6,000+ planned dwelling units in Oakley; increased demand anticipated.

Future growth within the CCWD and DWD service areas is incorporated into the Districts' long-term water supply and infrastructure planning documents.

13

Disadvantaged Communities

Identification Tool:

- DWR Disadvantaged Communities Mapping Tool (2019–2023 American Community Survey)

Key Findings

- **BBID & CRCWD:** No disadvantaged communities identified.
- **ECCID:** Disadvantaged communities are located within district boundaries and currently served.
- **CCWD:** Disadvantaged communities are generally served; future service extensions may be needed within portions of the SOI.
- **DWD:** Disadvantaged communities are generally served; remaining SOI areas are included in the Sandmound Slough Water Systems Consolidation Project.

14

Financials

Water districts rely primarily on water sales and service charges, while irrigation districts receive a greater share of funding from property taxes and investment income.

District	Net Position	Operating Expense Coverage	Reserve Status
BBID	\$66.8M	6years,10 months	6-month minimum operating reserve + designated reserves
ECCID	\$42.8M	6 years, 4 months	Reserve funds with established minimum funding requirements
CRCWD	\$140K	1 year, 6 months	No formal reserves
CCWD	\$1.11B	8 years	6-month minimum operating reserve + designated reserves
DWD	\$75.0M	4 years, 1 month	Rate stabilization, O&M & CIP reserves

15

Accountability and Governance

Brown Act (Open Meeting Law)

Finding: Generally compliant; minor improvements recommended.

- **BBID:** Post searchable agenda documents.
- **CCWD & CRCWD:** Add homepage link to current meeting agenda.
- **DWD & ECCID:** Post agendas at a publicly accessible location.

Website Transparency (SB 929)

All districts maintain public websites; CCWD & DWD exceed minimum requirements.

- **BBID, ECCID & CRCWD:** Improve online access to budgets, audits, planning documents, and meeting minutes.
- **BBID & CRCWD:** Post Enterprise System Catalog (SB 272).

Financial Reporting (Gov. Code §26909)

Finding: All districts prepare annual financial audits and required reports to the State Controller's Office.

- **BBID, ECCID & CRCWD:** Improve online accessibility of annual budgets, audits, and other key financial documents.

16

Governance Structure Options & SOI Recommendations

Continued Interagency Coordination

BBID & ECCID

- Contiguous boundaries present an opportunity for a mutual aid agreement to improve emergency response, resource sharing, and restoration of critical infrastructure.

ECCID & CCWD

- Continue coordination on wholesale water supply, infrastructure planning, and future municipal demand.

Long-Term Governance Considerations (CCWD & CRCWD)

- Identified in the previous MSR due to the existing wholesale relationship.
- Remains a potential long-term option due to CRCWD's aging infrastructure and financial constraints.
- Future consideration should be supported by a feasibility analysis.

SOI Recommendations

✓ **CRCWD:** Maintain Zero SOI

✓ **BBID, ECCID, CCWD & DWD:** Reaffirm existing SOIs

17

Conclusion

- ✓ Existing water supplies, infrastructure, and service capacity are adequate.
- ✓ Current and projected demand remain below available capacity.
- ✓ Financial conditions are generally stable.
- ✓ Existing governance structures and SOIs remain appropriate.

18

