



El Dorado County
Water Agency

2019 Water Resources
Development and
Management Plan

Board Briefing

June 12, 2019



Agency's 2019 WRDMP



10 Oct. 2018

Board authorized to enter into an MOU with County of El Dorado for the Preparation of a Countywide Water Management Plan



Aug/Sep 2019

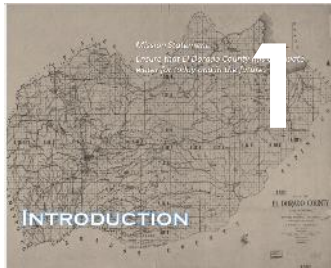
Board Workshop and Consideration for adopting the updated Water Resources Development and Management Plan



11 Nov. 2018

Board authorized the development of a comprehensive update to Agency's Water Resources Development and Management Plan

Agency's 2019 WRDMP



Why We Do This



Where We Are



What Is Ahead



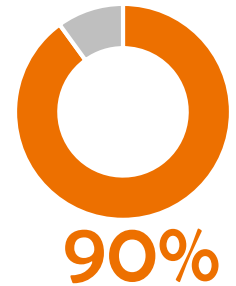
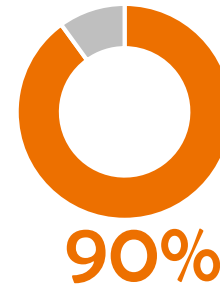
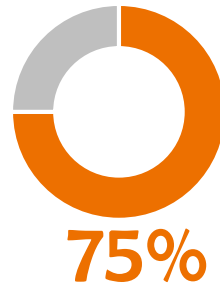
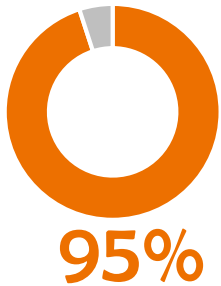
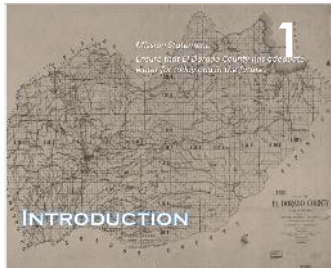
What We Could Do



What the Agency Should Do

- **Supports realization of the County's General Plan vision for economic development, environmental protection and social well-being.**
- Is a concise document for policy guidance focusing on Agency's investment and actions
- Is being developed collaboratively, respecting roles and responsibilities
- Is scheduled for completion in August/September 2019, subject to Agency Board's adoption.

2019 WRDMP Progress Update



 **Major Piece:**
Supply-Demand
Scenarios

2019 WRDMP Advisory Groups



Plan Advisory Group

- Overall plan content
- General Plan consistency
- Tahoe Basin and West Slope



Agricultural Advisory Group

- Agricultural demands
- Economics Guided Development



M&I Advisory Group

- M&I demands
- Beyond UWMPs

2019 WRDMP Advisory Groups



Plan Advisory Group Members

Brian Mueller – El Dorado Irrigation District

Charlene Carveth (LeeAnne Mila: Alternate) – County of El Dorado

Jodi Lauther – Grizzly Flats Community Services District

Kenneth Payne – El Dorado County Water Agency

Sean Barclay – Tahoe City Public Utility District

Shannon Cotulla (John Thiel: Alternate) – South Tahoe Public Utility District

Steve Palmer (Adam Brown: Alternate) – Georgetown Divide Public Utility District

Tiffany Schmid (Anne Novotny, Brenden Ferry: Alternates) – County of El Dorado

2019 WRDMP Advisory Groups



Agricultural Advisory Group Members

Brian Mueller – El Dorado Irrigation District

Charlene Carveth (LeeAnne Mila: Alternate) – County of El Dorado

Christa Campbell – Rainbow Orchards, El Dorado County Chamber of Commerce

Dave Pratt – El Dorado Farm Bureau

Dedrian Kobervig – El Dorado Agricultural Water Quality Management Corporation

Doug Leisz – Citizens for Water; El Dorado County Chamber of Commerce

Greg Boeger – Boeger Winery, El Dorado Wine Grape Growers Association

Jim Abercrombie – El Dorado Irrigation District

Jodi Lauther – Grizzly Flats Community Services District

Kenneth Payne – El Dorado County Water Agency

Lloyd Walker – Walker Vineyard, El Dorado Wine Grape Growers Association

Lynn Wunderlich – UC Cooperative Extension

Steve Palmer – Georgetown Divide Public Utility District

2019 WRDMP Advisory Groups



Municipal and Industrial Advisory Group Members

Brian Mueller – El Dorado Irrigation District

Jodi Lauther – Grizzly Flats Community Services District

Kenneth Payne - El Dorado County Water Agency

Sean Barclay (Matt Homolka: Alternate) – Tahoe City Public Utility District

Shannon Cotulla – South Tahoe Public Utility District

Steve Palmer (Adam Brown: Alternate) – Georgetown Divide Public Utility District

Tiffany Schmid (Anne Novotny, Brendan Ferry: Alternates) – County of El Dorado

2019 WRDMP Advisory Groups



Additional Help

C.J. Freeland – County of El Dorado (Planning)

Frederic Schaefer (retired) – El Dorado County Water Agency

Greg Stanton – County of El Dorado (Environmental Management Department)

Jeffrey Warren – County of El Dorado (Environmental Management Department)

Jose Crummett – County of El Dorado (Surveyor's Office)

Kathryn Jeanfreau – County of El Dorado (Health and Human Services)

Olivia Byron-Cooper – County of El Dorado (Health and Human Services)

Patty Moley-Dunn – County of El Dorado (Health and Human Services)

Water-Resource Related Challenges in the West Slope

| Water Supply | | | Water Quality | | | Public Safety |
|---|---|---|--|--|---|---|
| C1 Long-Term Water Supply-Demand Imbalance (3.1) | C2 Vulnerability During Droughts (3.2) | C3 Loss of Water Supply Due to Other Resource Management Practices (3.3, 3.4, 3.5) | C4 Long-Term Water Quality Impacts Due to Wildfires (3.3) | C5 Water Quality Impacts Due to Stormwater Runoff (3.5) | C6 Limited Groundwater Resources (3.6) | C7 Vulnerability to Flooding (3.7) |

Water-Resource Related Challenges in the Lake Tahoe Basin

| Water Supply | | | Water Quality | | | Public Safety |
|---|---|---|--|--|---|---|
| C1 Long-Term Water Supply-Demand Imbalance (3.1) | C2 Vulnerability During Droughts (3.2) | C3 Loss of Water Supply Due to Other Resource Management Practices (3.3, 3.4, 3.5) | C4 Long-Term Water Quality Impacts Due to Wildfires (3.3) | C5 Water Quality Impacts Due to Stormwater Runoff (3.5) | C6 Limited Groundwater Resources (3.6) | C7 Vulnerability to Flooding (3.7) |

Level of Concern



Water Resource-Related Challenges

2019 WRDMP

Resource Management Strategies

- RMS1 – Secure Surface Water Supply Entitlements
- RMS2 – Develop and Implement Demand Management
- RMS3 – Implement Sustainable Groundwater Management
- RMS4 – Increase Water Reuse
- RMS5 – Secure Water Infrastructure
- RMS6 – Manage Stormwater as a Resource
- RMS7 – Improve Drought Preparedness and Responses
- RMS8 – Ensure All Residents Have Water Accessibility and Affordable Water
- RMS9 – Improve Watershed Management for Water Resource-Related Benefits
- RMS10 – Prevent Contamination of Surface Water and Groundwater Resources
- RMS11 – Reduce the Risk of Flooding in Communities

| RMS Actions | West Slope | Lake Tahoe Basin | Principal Implementing Agencies | Agency's Role(s) |
|---|------------|------------------|--|---|
| 1a. Secure Central Valley Project service contracts with Reclamation | X | | EID, GDPUD, EDCWA | <p>L – Complete contract negotiation and execution for 15-TAF CVP (Fazio) Service Contract</p> <p>S – Support water purveyors with other CVP contracts in engagement with Reclamation and federal advocacy (as needed)</p> |
| 1b. Secure water rights for projected needs | X | X | EID, GDPUD, GFCSD, STPUD, TCPUD, EDCWA | <p>L – Acquire 40-TAF water right and integrate with use of Sacramento Municipal Utility District agreement</p> <p>S – Support of water purveyors in corresponding water right proceedings and activities (e.g. surface water and groundwater rights)</p> |
| 1c. Develop water infrastructure to meet projected needs | X | X | EID, City of Placerville, GDPUD, GFCSD, STPUD, TCPUD, EDCWA ^A | <p>L – Represent OCA in water supply planning</p> |
| 1d. Manage and leverage Sacramento Municipal Utility District storage | X | | | |

Key

- L = Lead** – Assuming the responsibility in advancing an RMS
- F = Facilitate** – Organizing and assisting in advancing an RMS, but not directly responsible
- S = Support** – Providing as-needed coordination, advocacy, and occasional assistance

Resource Management Strategies - Example

2019 WRDMP

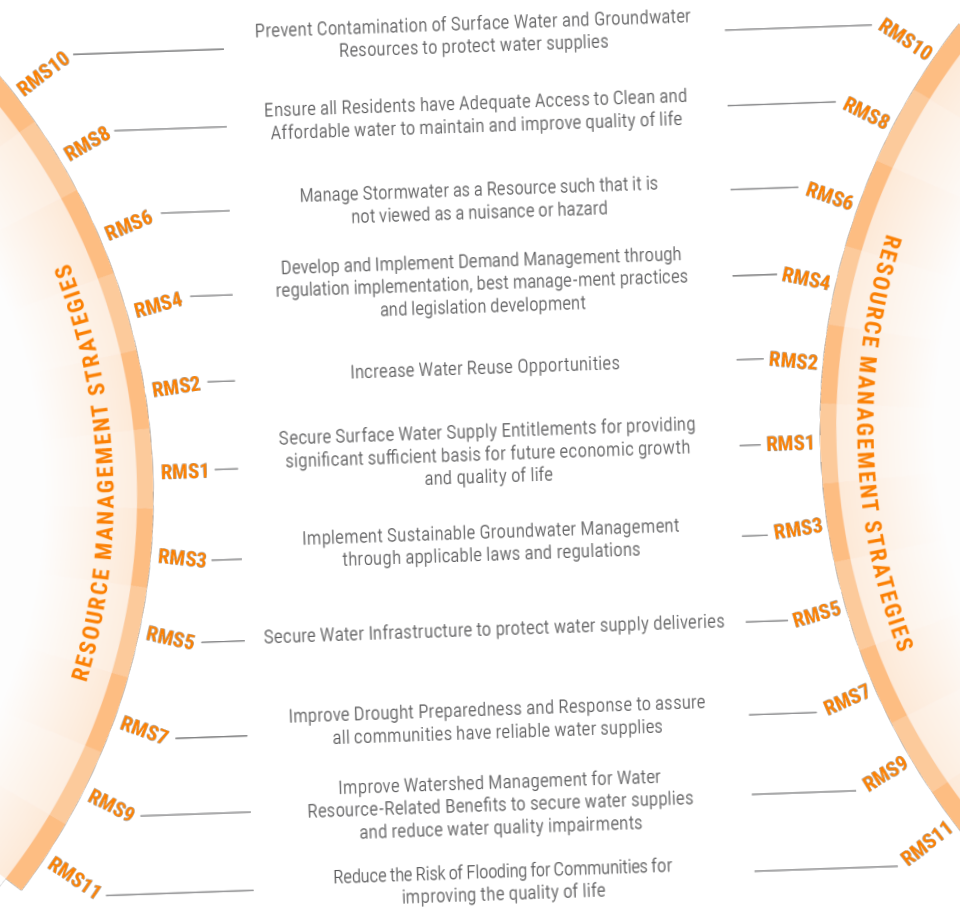


RMS Connecting Challenges to Programs

Water Resources Management Challenges in El Dorado County

- C1** Long-Term Water Supply Demand Imbalance
- C2** Vulnerability During Droughts
- C3** Loss of Water Supply Due to Other Resource Management Practices
- C4** Long-Term Water Quality Impacts Due to Wildfires
- C5** Water Quality Impacts Due to Stormwater Runoff
- C6** Limited Groundwater Resources
- C7** Vulnerability to Flooding

RESOURCE MANAGEMENT STRATEGIES



RESOURCE MANAGEMENT STRATEGIES

El Dorado County Water Agency's Implementation Programs

- P1** Governance and Partnership
- P2** Water Security
- P3** Watershed Management
- P4** Assistance and Innovation
- P5** Communication and Advocacy

For Board's Consideration

Policies and Guidance



Policy WRDMP-01: The WRDMP shall be the countywide water plan to support the realization of the vision established in the County General Plan.

Policy WRDMP-02: The WRDMP shall include resource management strategies to improve water resources management in El Dorado County, with anticipated economic and public benefits accrued in all communities throughout El Dorado County.

Policy WRDMP-03: The WRDMP shall identify and prioritize the Agency's implementation actions and priorities consistent with the authority and roles provided by the 1959 El Dorado County Water Agency Act.

Policy WRDMP-04: The implementation of the WRDMP shall be based on collaborative principles for developing partnership with regional, state, and federal agencies who share resource management responsibilities and cooperate in creating mutual benefits.

Policy WRDMP-05: The WRDMP shall be updated every 5 years by June 30 in years ending in 4 and 9 to address changed conditions, assess progress, and realign priorities of the Agency's actions.

Policies and Guidance

For Board's Consideration



Guidance WRDMP-01: The Agency shall convene a chartered Countywide Plenary for Water (Plenary) to foster collaboration on the water resources development and management in El Dorado County. The Agency shall convene the Plenary twice per year with representation from, at a minimum, the County's planning department, cities, water purveyors, and other water-resource related resource management entities.

Guidance WRDMP-02: The Agency shall develop alternative revenue sources to support incentives and innovations to improve countywide water management.

Guidance WRDMP-03: The Agency shall maximize available state and federal technical and financial assistances in implementation actions, where feasible.

Guidance WRDMP-04: The Agency shall allocate cost of project development and implementation fairly among beneficiaries.

Guidance WRDMP-05: The Agency shall leverage significant opportunities for hydropower generation in the county in its project development, where feasible, as a cost-offset mechanism.

Guidance WRDMP-06: The Agency shall consider regional and statewide water market transfers in its project development, where appropriate, as a cost-offset mechanism. No water market transfers can result in water supply impacts within El Dorado County.

Next Steps

- Continue the collaborative process to complete the WRDMP
- Anticipate a workshop in August and request for consideration of Board's adoption in September, 2019

