

Spring 2022 Countywide Plenary for Water

Panel Discussion and Q&A: A Look Back at Our Accomplishments and Moving Forward



Ken Payne

General Manager, El Dorado Water Agency





A Look Back at Our Accomplishments and Moving Forward

Mission Statement & Goal

“Ensuring that El Dorado County has adequate and affordable water to maintain economic prosperity, protect the environment, and support the rural-agriculture way of life for today and in the future.”

MAIN STRATEGIES AND PROGRAMS

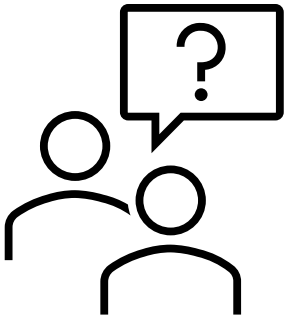
- **Secure water supplies and infrastructure**
- **Improve drought preparedness**
- **Enhance the watershed health to improve resiliency including water quality, fire risk, and climate adaptation**
- **Manage stormwater & Flood Protection with the County**
- **Partner for Success:**
 - Harness our collective energetic and outcome-oriented staff and partners to deliver on shared mission and vision
- **Focused and Adaptive:**
 - Focus on the Agency’s mission and goals and adapt to changing conditions.



Changes started with our Mission Statement & Goal

**“Ensure that El Dorado County has adequate water
for today and in the future.”**

El Dorado County Water Agency is the county-wide leader on water-resource issues, representing the long-term interest of our county.



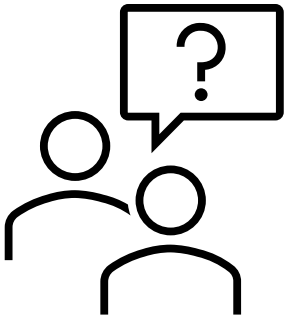
Questions extended into our Expenditure Priorities

Expenditures prioritized based on Expenditure Priority Policy No. B-1003 (11/14/2012)

First Priority *To preserve, protect, support and defend existing water rights and supplies, as well as to develop and obtain new water rights and supplies.*

Second Priority *Agency administrative operations.*

Third Priority *Support of the activities of Purveyors and the areas they serve, as well as projects in areas of El Dorado County not served by any Purveyor.*



1959 Water Act Outlined Roles & Responsibilities

Authorization	Implementation Status
96-11. Acquire sufficient water for beneficial use of properties within the Agency	In process
96-12. Generate and sell hydroelectric power	Purveyor driven
96-13. Flood and storm water inside and outside of Agency	SWMP Completed Project Planning for Implementation
96-14. Water run-off into creeks and streams & use of reclaimed water	Not implemented
96-14. Prevent contamination & pollution creeks and streams	Not implemented
96-17. Conduct water resources investigations & studies	On-going

96.12 Power Development and Sale.

□ The agency shall have the power to construct, operate and maintain works to develop hydroelectric energy as a means of assisting in financing the construction, operation and maintenance of its projects for the control, conservation, diversion and transmission of water and to enter into contracts for the sale of such energy for a term not to exceed 50 years.

□ Such energy may be marketed **only at wholesale rates** to any public agency or private entity engaged in the sale or use of electric energy, or the Federal or State Government.

96.13 Flood Control & Conservation

☐ The agency shall have the power to control the flood and storm waters of the agency and land and storm waters of streams that have their sources outside of the agency, which flow into the agency by spreading, storing, retaining and causing to

96.23 Agency can Sale, Lease or Transfer Water within/outside the County.

☐ Any water or rights to the use of the works of the agency for the conservation or transportation of water may be sold, leased or otherwise transferred by

96.23 **Agency can Sale, Lease or Transfer Water within/outside the County.**
 Any water or rights to the use of the works of the agency for the conservation, control or transportation of water may be sold, leased or otherwise transferred by the agency to member units,
 • Agency may fix and collect rates and charges for such purposes.
 • Agency can only execute short-term transfer such any water or use of works of the Agency to non-member units for the use in or outside the County upon a temporary or short-term basis that exceeds the needs of the other units.
 • Agency can use of such facilities shall expressly state that the sale or use of such facilities or for member units.
 1. Board must for or sale of surplus water or use of such water or facilities by or for member units.
 2. Each contract for or sale of surplus water; that is, the sale of water to the ultimate disposition is subject to prior right to the sale of water;
 96.25 **Establishes the Agency must not engage in the retail sale of water; that is, the sale of water to the ultimate consumer.**
 • The Agency must not engage in the retail sale of water; that is, the sale of water to the ultimate consumer.
 • Resources Responsibilities of the Agency and Cooperation with other agencies and contract with the United States, State and any person; in the purchase of any person; in the purchase of any person;

Agency may only exercise the use or outside.

Agency can only use the water or works exceed of such facilities by or for member

member units for the sale of surplus water or use of such water or facilities by the ultimate

Board must adopt that the water or works exceed of such facilities by or for member

Each contract for or sale of surplus water or use of such water or facilities by the ultimate disposition is subject to prior right to use of such water or facilities by the ultimate

The Agency cannot serve as a Retail Entity.

96.25 Establishes the Agency cannot serve as a Retail Entity.

The Agency must not engage in the retail sale of water; that is, the sale of water to the ultimate consumer.

Resources Responsibilities of the Agency and Cooperation with other

contract with the United States, State or local government, person; in the purchase of water or

96.25 Establishes the Agency must not engage in the

- The Agency must not engage in the consumer.

96.32 Recognize the Water Resources Responsibilities of the Agency and Cooperation

The agency may cooperate and act in conjunction and contract with the United States, State or local government, political subdivision, district, public or private corporation, or any person; in the purchase, sale, lease, conveyance, or disposal of water or a water supply, in the construction of any works for conserving and transporting water, or for the protection of property.

[illegible]

The agency also may acquire or dispose of any property owned by a county, municipality, district, public utility, or other governmental entity, which might be acquired, disposed of, or operated by the agency.

(b) The agency shall submit a report to the board of directors annually regarding its operations and financial condition.

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The Water Act also Recognized the Need for a Countywide Perspective

96-99 Co-existence of multiple agencies with similar powers.

The Legislature found that *because of conditions special to the county, it “declares its intent to permit within the limits of the El Dorado County Water Agency, the existence of more than one district, municipality or combination thereof, having similar powers over similar territory in regard to flood control, reclamation and water conservation, storage, distribution, sale, use or development” of water.*

Authorization

96-99. Co-existence of Multiple Agencies

96-103. Legislature’s Finding

96.103 State Legislature’s finding:

The Legislature found that:

- Water problems in the County require county-wide for (1) Water conservation, (2) Flood control and (3) Development of water resources ...
- The County has water districts, municipalities, and water conservation districts that exist within portions of the county, have acquired property and works, developed a limited water supply, and have incurred indebtedness
 - These entities are unable alone to economically develop an adequate water supply and control the floods of the County ...
- It was necessary to have a political entity coextensive with the geographical limits of the entire county; that the county cannot be supplied with water from a common source or by common systems ...



EDWA's New Beginning

Agency Powers Enacted Per the 1959 Water Act Include:



Be a political and corporate body



Order water to be made available that is sufficient for any present or future beneficial use or uses of the lands or inhabitants within the County



Construct, operate and maintain works to develop hydroelectric energy as a means of assisting in financing the construction, operation and maintenance of its projects for the control, conservation, diversion and transmission of water and to enter into contracts for the sale of such energy. Such energy may be marketed only at wholesale rates to any public agency or private entity engaged in the sale or use of electric energy, or the Federal or State Government.



Control the flood and stormwaters of the agency and the flood and stormwaters of streams that have their sources outside of the agency, which streams, and floodwaters flow into the agency, and to conserve such waters for beneficial and useful purposes



Store, conserve, reclaim, appropriate and import water; prevent interference of water sources and prevent contamination/pollution



Conduct water resources investigations and studies



Sell, lease or transfer water within/outside the County



Recognize the water resources responsibilities of the Agency and cooperation with other entities

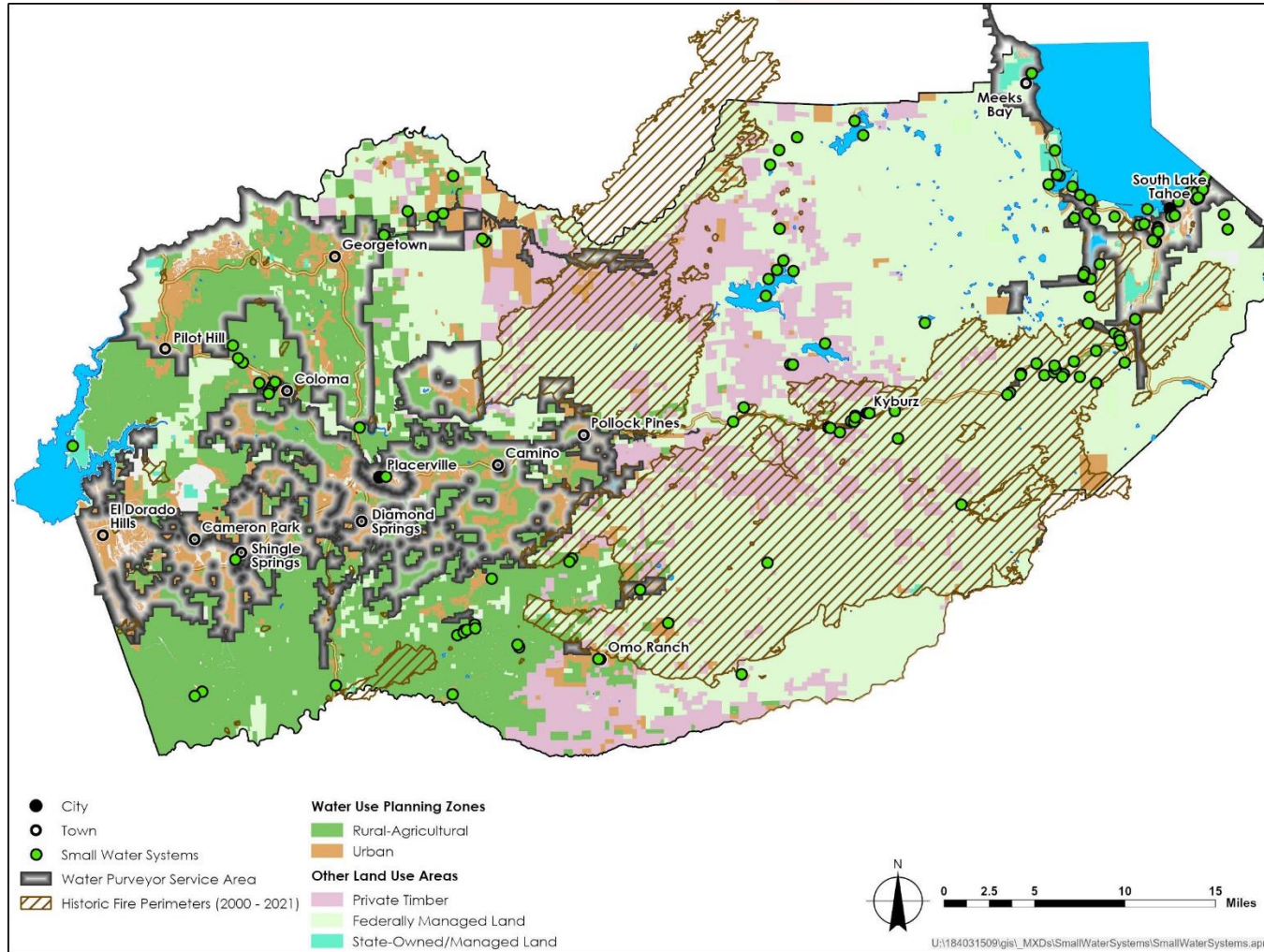
- Address the water resources needs of both today and the future
- Development a countywide plan for a resilient water future through integrated water resources management
- Foundational basis
 - 1959 El Dorado County Water Agency Act
 - 2019 Water Resources Development and Management Plan
 - Realize the implementation of the County's General Plan.

Programs and strategies:

- *Secure water supplies and infrastructure*
- *Improve drought preparedness*
- *Enhance the watershed health to improve resiliency including water quality, fire risk and climate adaptation*
- *Manage stormwater*
- *Provide flood protection*



Things Quickly Change



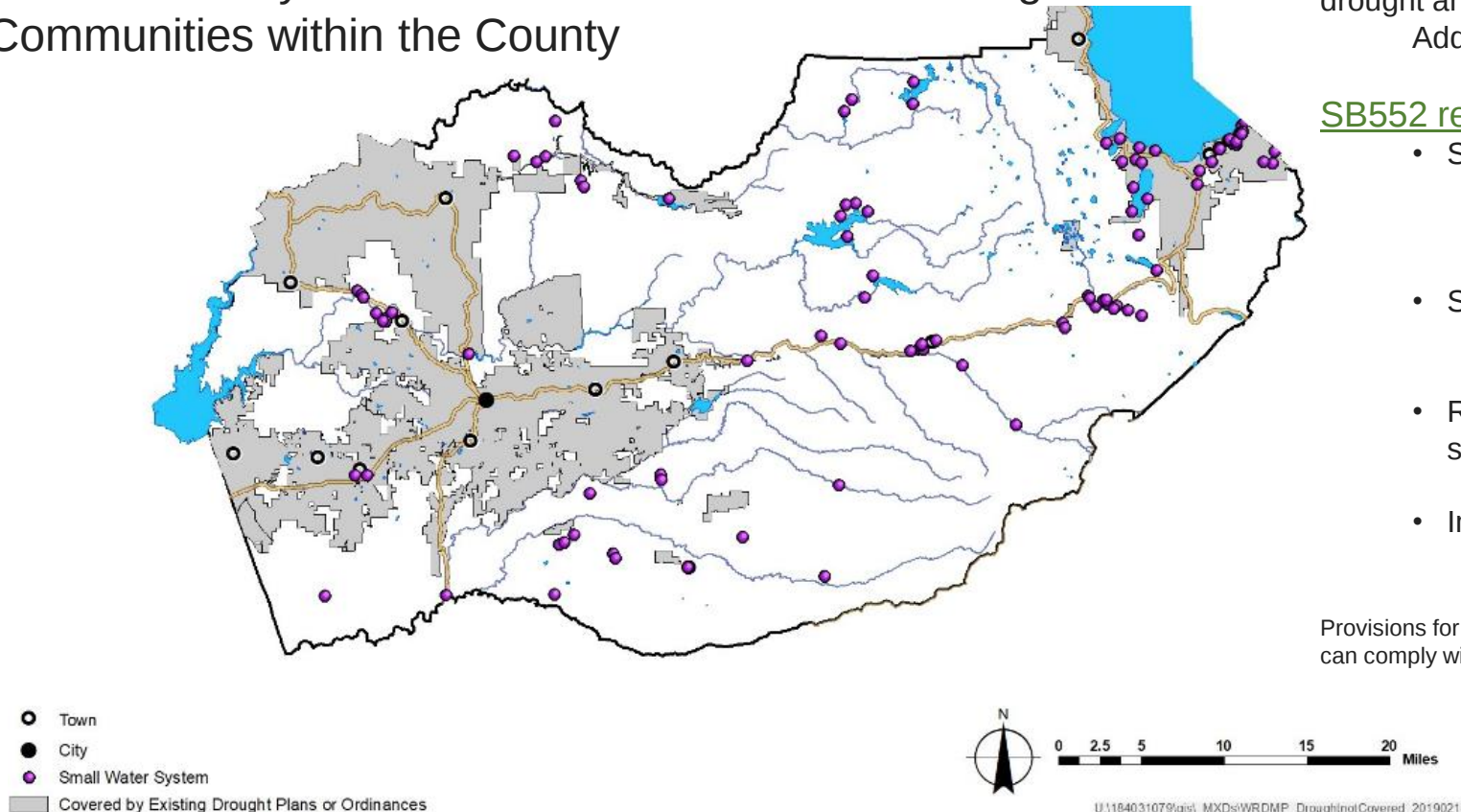
Significant Climate Impacts

- Changed Hydrology
- Temperature Increase
- Significant Wildfire and Community Risks
- Impacts to water systems



Regulations also Change Quickly

Small Water Systems Are Part our Rural & Rural-Ag Communities within the County



Small water suppliers and rural communities are at risk of drought and water shortage vulnerability and wildfires

Review RDCP for guidance to develop and implement our countywide drought and water shortage contingency plans

Address the needs of small water suppliers and rural communities

SB552 requires

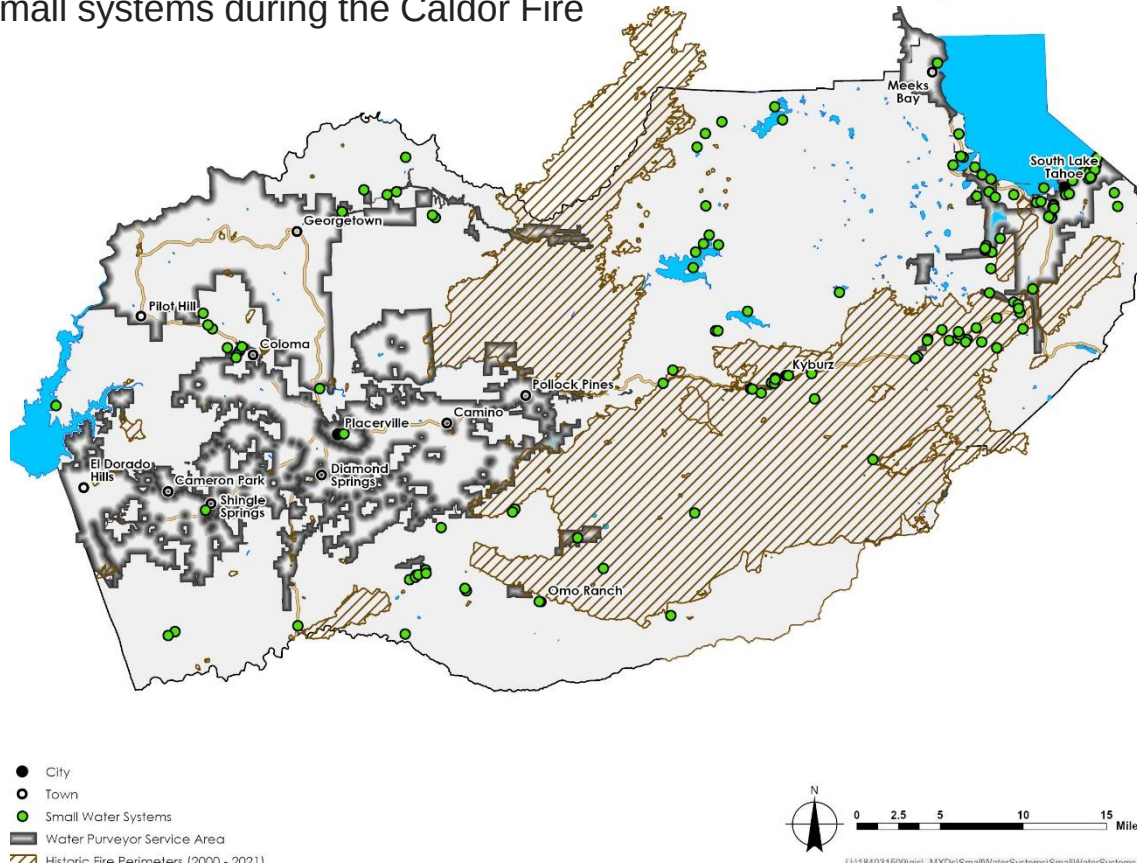
- Small water suppliers (1,000 to 2,999 connections)
 - Develop/maintain an abridged Water Shortage Contingency Plan
- Small water supplier (>1,000 connections)
 - Use their emergency notification/response plan
- Report annually specified water supply condition information to the state board
- Implement drought resiliency measures
 - Including at least one backup source of water supply

Provisions for small water suppliers, or small water suppliers, integrated into larger water systems, can comply with specified existing law relating to urban water management plans



Use existing venues

County/EDWA Small System database was instrumental resources to communicate and include small systems during the Caldor Fire



SB552 Requires County to establish a standing county drought and water shortage task force

- Facilitate drought and water shortage preparedness
 - State small water systems
 - Domestic wells within the county's jurisdiction
- Allows establishing a standing task force as
 - Alternative process to facilitate drought and water shortage preparedness
 - Deemed in compliance with these requirements as long as the task force continues to exist.
- Develop a plan that includes potential drought and water shortage risk and proposed interim and long-term solutions
 - Build on Findings of 2019 WRDMP (Tahoe)
 - Build on RDCP (West Slope)





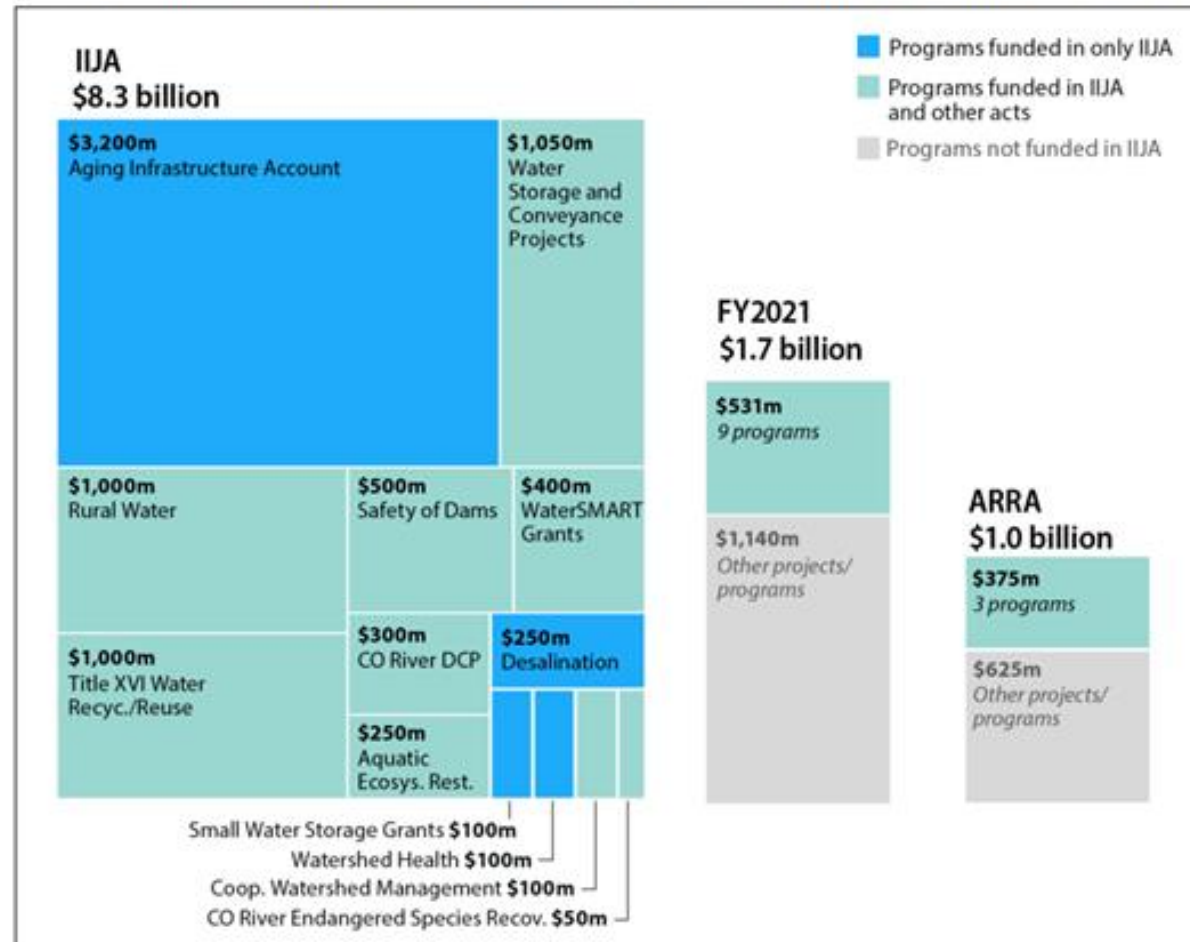
Mike Miller

Partner, The Ferguson Group



Figure 1. Infrastructure Investment and Jobs Act: Bureau of Reclamation Funding Compared with Other Appropriations Legislation

(comparison with recent enacted discretionary and supplemental appropriations legislation)



Source: Congressional Research Service (CRS), based on Reclamation funding data and P.L. 117-58, P.L. 116-260, and P.L. 111-5.

Notes: Does not reflect suballocations within all programs. ARRA = American Recovery and Reinvestment Act of 2009 (P.L. 111-5); CO River= Colorado River; DCP = drought contingency plans; IIJA = Infrastructure Investment and Jobs Act (P.L. 117-58); m = million.





Carla Hass

Director of Communications & Outreach,

Caldor Fire Recovery Operations Center





- **Caldor Fire Started August 14, 2022**
- **Burned 222,000 acres**
- **Destroyed or damaged approximately
1,000 structures, primarily in Grizzly Flats
(754), also in the canyons (+-200)**
- **Destroyed only school, post office and
water supply**
- **Fully Contained October, 20, 2022**





- **Co-director of the Recovery Operations Center in September**
- **Mission: To manage all the moving parts within the County, cooperate with County, State and Federal stakeholders to help Caldor Fire survivors regain a sense of normalcy**
- **Allow survivors to make informed choices**





ROC Manages the process and delivery of:

- Things that impact the environment
(debris cleanup, septic, watershed/VARs)
- Things that impact rebuilding
(permitting, water supply, roads)
- Things that impact people
(immediate needs, social/emotional
services, housing, employment, water
supply)





Lessons Learned:

- Everyone wants to help
- ICS structure (classification doesn't matter)
- Establish priorities, revisit them regularly
- Empathy is critical; think outside the box
- Over communicate
- Be flexible
- Be patient



CALDOR FIRE RECOVERY TEAM

Operations Section

Carla Hass, CAO

Moke Auwae, OES

HHSA

Housing Program

Animal Services

Social Services

Behavioral Health

COAD

Land Use

Watershed

Building Inspector

Roads

Planning

EMD

Debris Removal

Public Program

ROE

Private Program





Scot Rogers

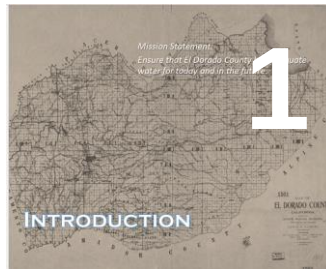
District Ranger, United States Forest Service



Overview of Plenary to Implement the Water Resources Development and Management Plan and Related Priorities

Ken Payne, General Manager, El Dorado Water Agency

Agency's 2019 WRDMP



Why We Do This



Where We Are



What Is Ahead



What We Could Do



What the Agency Should Do

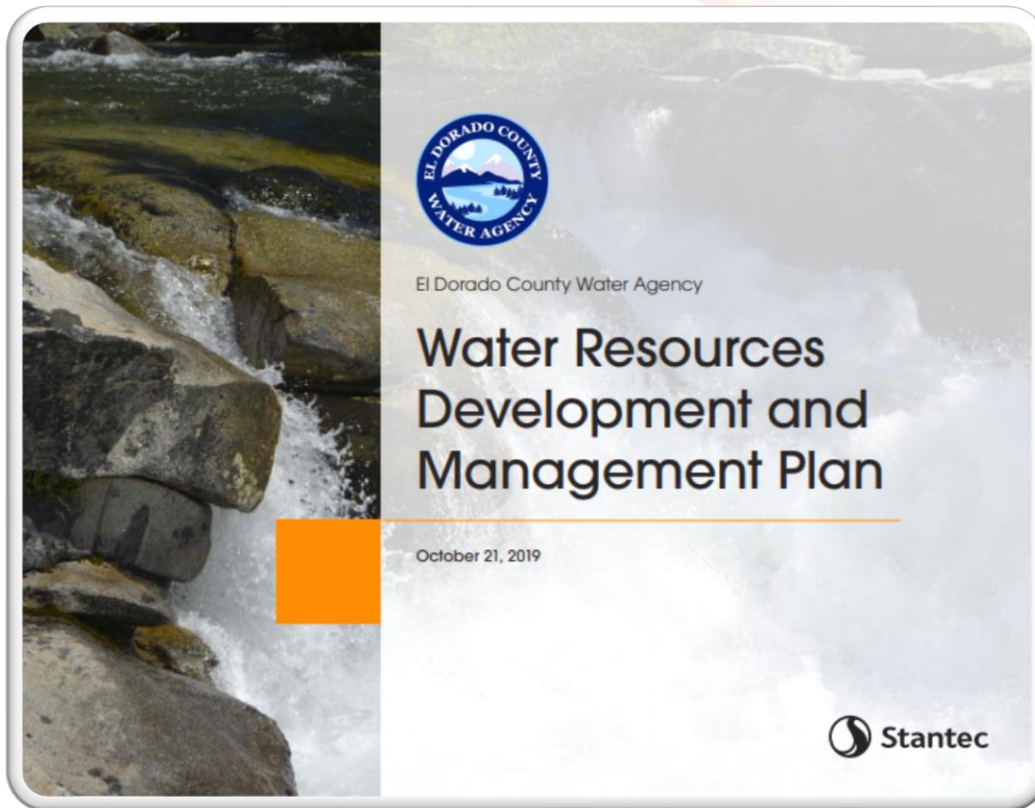
Supporting the realization of County's General Plan vision in economic development, environmental protection and social well-being.

- A concise document for policy guidance focusing on Agency's investment and actions
- Collaborative development, respecting roles and responsibility
- Adopted by the Board in October 2019

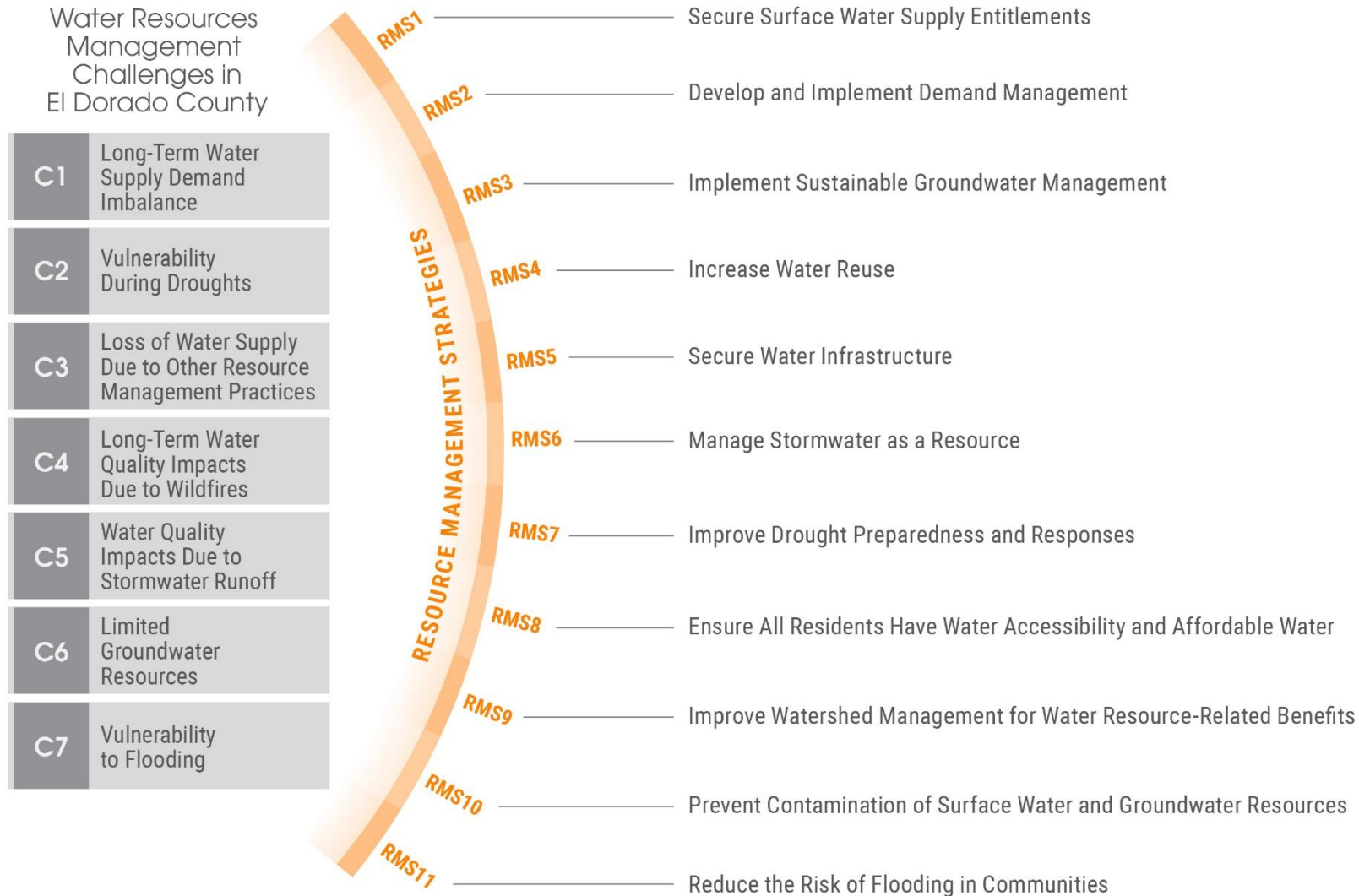


Establishing the Plenary

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.*



WRDMP Resource Management Strategies



Progress from the 2019 WRDMP

- **Upper American River Basin**

- Basin-Scale Climate Study & Adaptation Strategies
- American River Basin Regional Drought Contingency Plan
- Hydrologic Observation Station Upgrades
- Watershed Management Group Formation
- System Improvement grants

*Regional Agencies, USBR
Purveyors, County EMD
Regional Agencies, UC, USBR
Purveyors, County SMUD, SOFAR
GDPUD*

- **Caldor Fire**

- Response & Recovery
- Recovery and Operational Support

*County, CalOES, FEMA, County EMD
County, GFCSD*

- **Stormwater**

- Fairgrounds Drainage Improvements Project
- County Stormwater Resources Plan

*County, Fairgrounds, Placerville
County, Placerville, City of SLT*

- **Groundwater Management**

- Co-Formed GSA for SGMA GMP

STPUD

- **Water Rights & Resources**

- Continued to implement SMUD Agreement
- 1999 Fazio Water Contract
- Leak Springs Meadow

*SMUD, EID, GDPUD, County
CVP Water
ARC*

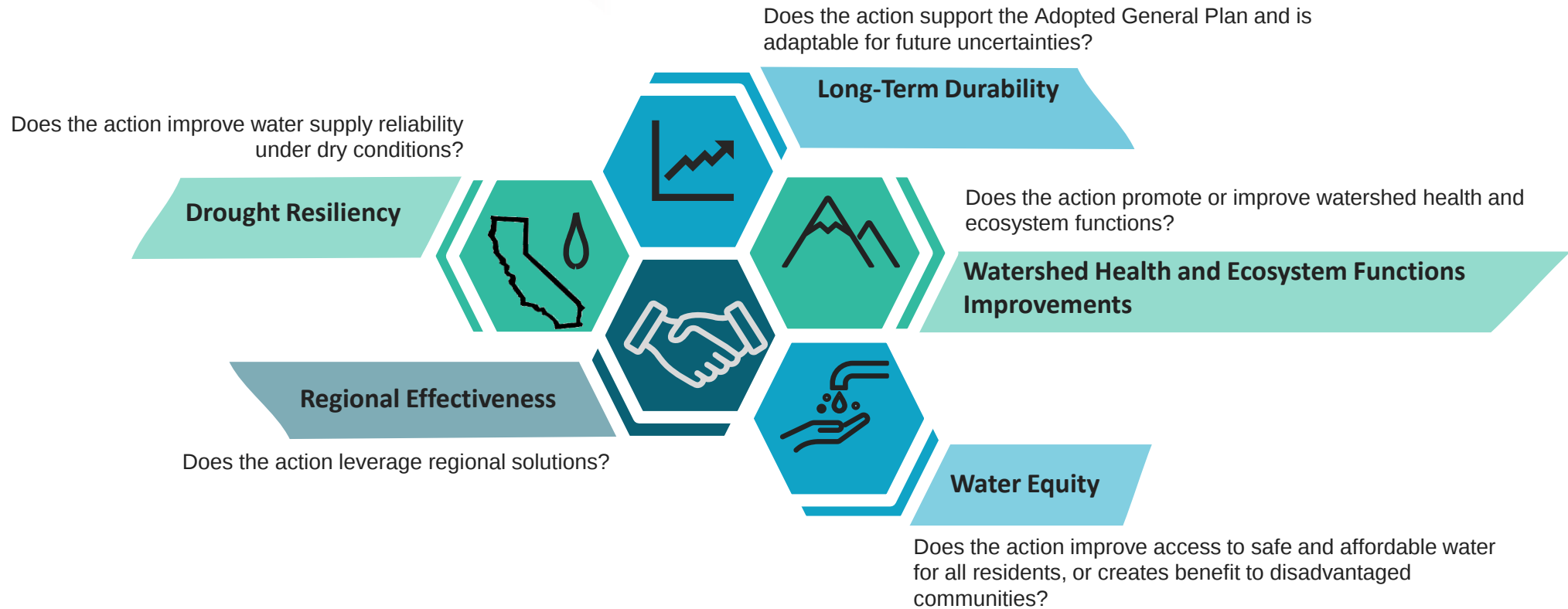
- **Countywide Tools**

- GIS Portal
- Countywide Agricultural Water Demand and Economic Studies

*County, various regional entities
County-Ag Commissioner, Planning,
IT, Ag Community*



EDWA Activities Build from Fundamental Goals



Collaboration Moving Forward

Agency's Designated Role:

- Filling the gap for countywide benefits that individual water suppliers and agencies cannot achieve
- Liaison to the state and federal when needed

Future collaboration will be needed to further implement policies and guidance in WRDMP and the EDWA Implementation Programs:

- Governance and Partnership
- **Water Security**
- **Watershed Management**
- Assistance and Innovation
- Communication and Advocacy





Background and Need - External Drivers

Hundreds of volumes of research confirm that **collaborative, cross-sector**, and **community engaged approaches** are a **best practice** for water management.

As a result, the legislative decision makers are increasingly including requirements for multi-agency and community engagement advisory bodies in regulatory and grant language.





Creating a structure to support ongoing requirements

Given anticipated, ongoing requirements for collaborative bodies, a Plenary Charter will allow member agencies to leverage the Plenary format to meet additional needs.

A charter is used for multiple purposes. Some examples include:

1. An agreement among the charter members about the purpose and scope of the Plenary
2. A statement Plenary members may use to explain its work to others
3. A document for use in demonstrating compliance with regulatory and statutory requirements
4. Verification of a collaborative structure for use in grant applications

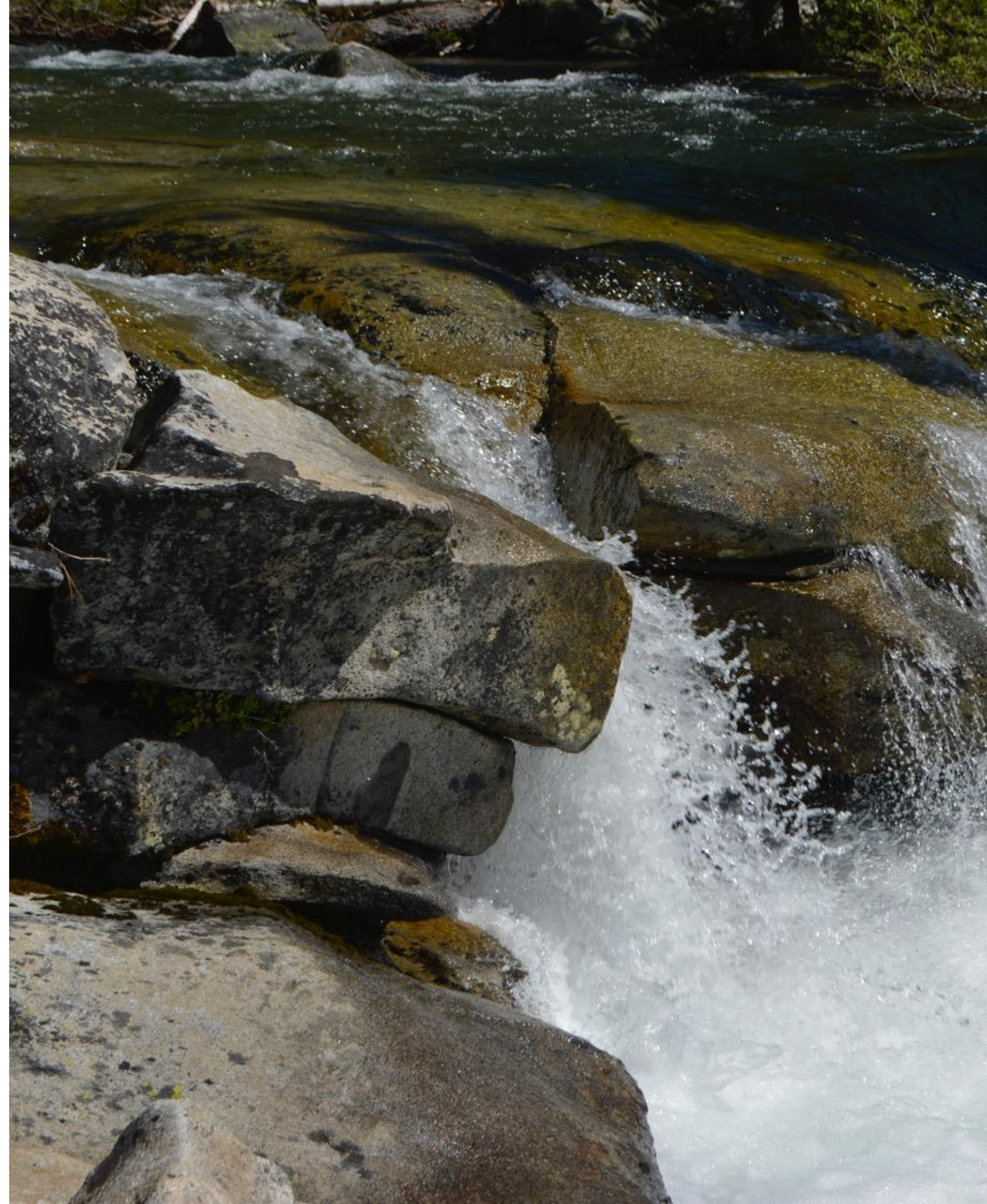


El Dorado Water Agency Understands the Power of Collaboration

In 2019, EDWA convened the first *Countywide Plenary for Water*, providing collaborative leadership for key water initiatives with countywide impact.

EDWA is uniquely suited to support future multi-agency and stakeholder collaborations.

Such collaborations will continue to be required to meet statutory and regulatory requirements, as well as increase competitiveness for grant and funding opportunities.



Membership

State/Federal Government

- U.S. Department of the Interior, Bureau of Reclamation
- California State Parks
- Department of Water Resources
- US Forest Service, Eldorado National Forest

Local Government

- County of El Dorado, Department of Agriculture
- County of El Dorado, Planning and Building Department,
- County of El Dorado, Environmental Management Department
- County of El Dorado, Chief Administrative Office
- County of El Dorado, Biomass Expert
- County of El Dorado, Planning and Building Department, Tahoe Planning and Stormwater Division
- El Dorado County Sheriff's Department
- City of Placerville
- City of South Lake Tahoe
- Shingle Springs Band of Miwok Indians
- El Dorado Band of Miwok Indians, and Consumnes Culture and Waterways

Water Utilities

- El Dorado Irrigation District
- El Dorado Water Agency
- Georgetown Divide Public Utility District
- Grizzly Flats Community Services District
- South Tahoe Public Utility District
- Tahoe City Public Utility District,
- Sacramento Municipal Utility District

Watershed Management

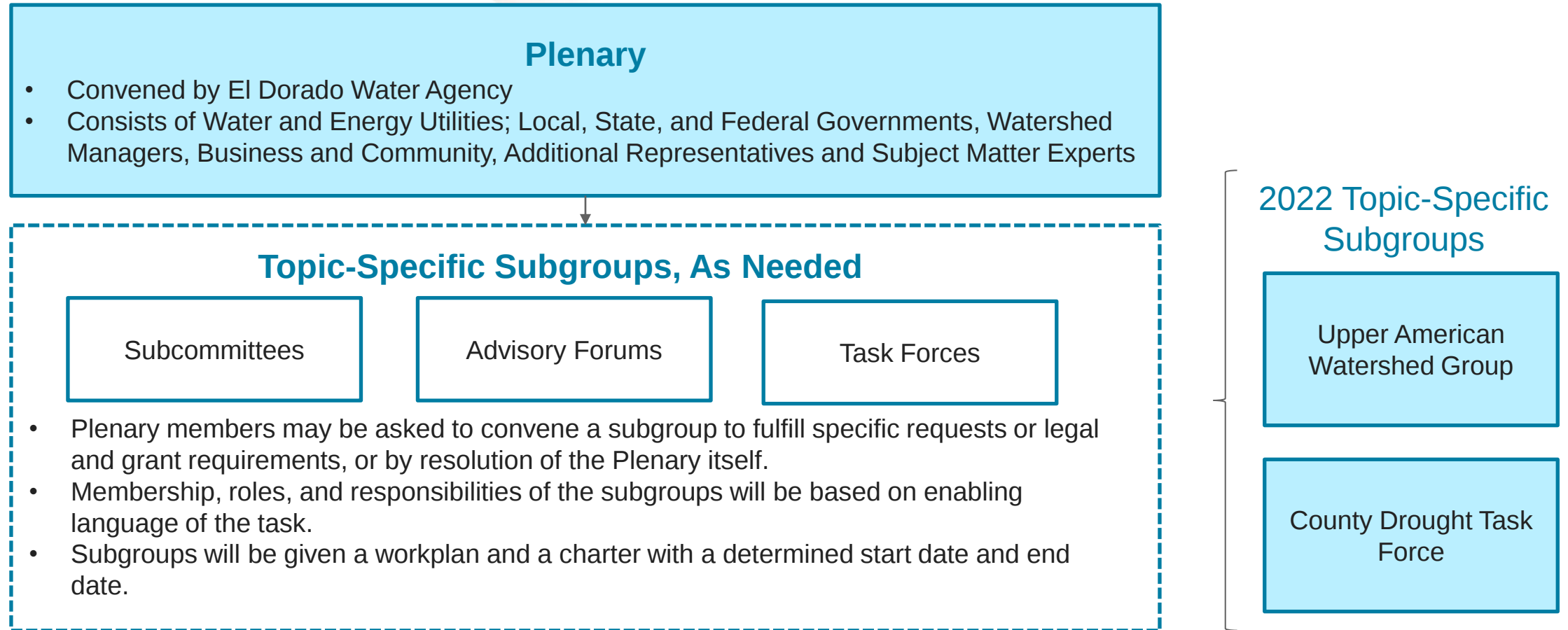
- El Dorado and Georgetown Divide Resource Conservation Districts
- Sierra Nevada Conservancy
- Tahoe Conservancy
- American River Conservancy
- El Dorado County Fire Safe Council
- The Nature Conservancy
- Sierra Club Mother Lode Chapter, Maidu Group
- Regional Water Authority

Business & Community

- El Dorado Wine Grape Growers Association
- El Dorado County Farm Bureau
- El Dorado County Chamber of Commerce
- El Dorado Hills Chamber of Commerce
- Citizens for Water
- Rainbow Orchards, El Dorado County Chamber of Commerce
- Blue Forest
- Walker Wineries



Collaborative Structure Concept





El Dorado Countywide Plenary for Water Charter

Charter Elements

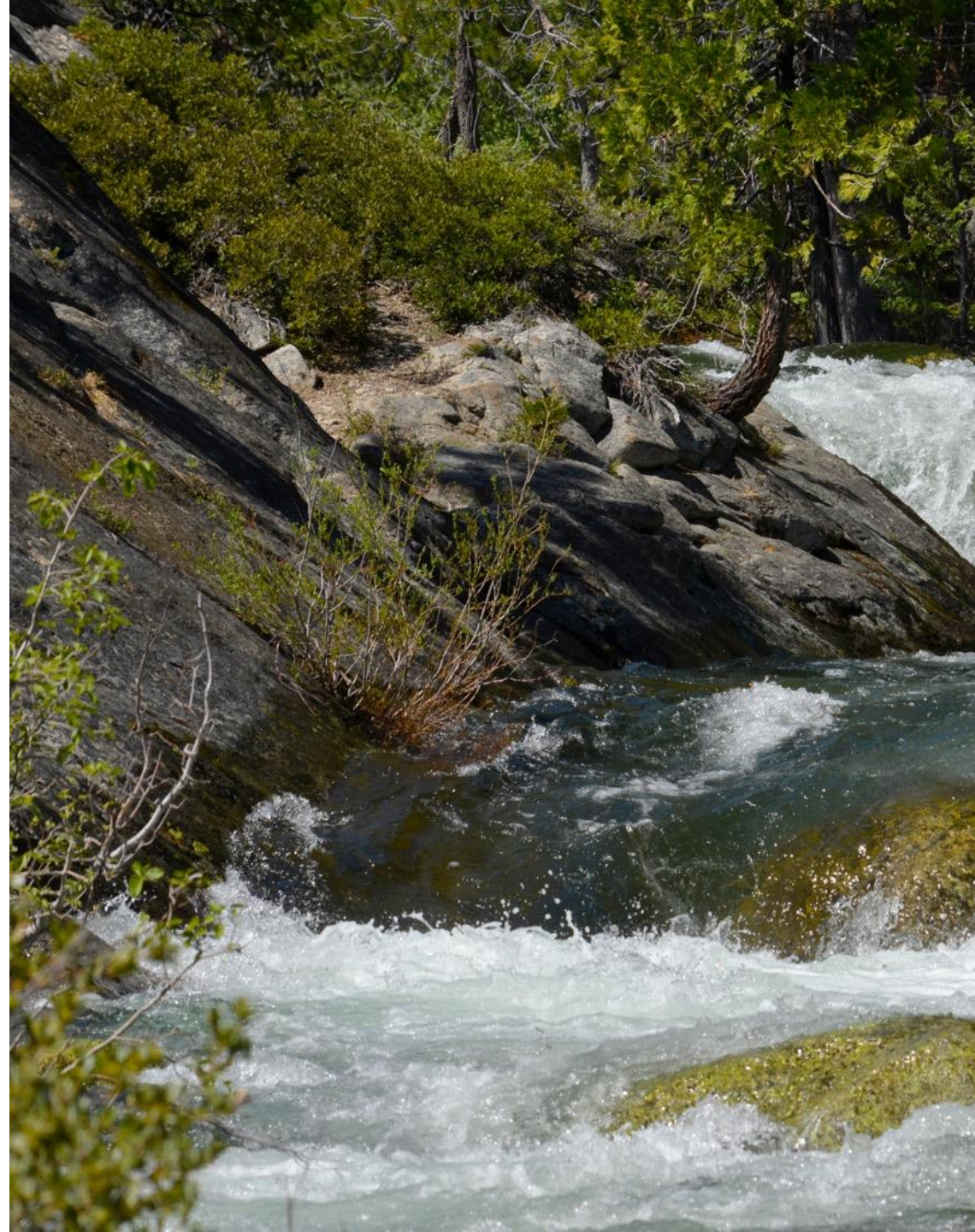
1. Purpose Statement
2. Scope
3. Background and Need
4. Roles, Responsibilities, and Authorities
5. Membership/Participants
6. Subcommittees and Advisors
7. Protocols, Schedule and Ground rules,
8. Decision-Making
9. Advisory Forum, Subgroup
10. Project Charters, Workplans
11. Amendments



Charter Feedback

The Plenary Project Charter is included in the Spring 2022 Countywide Plenary for Water Workbook.

Any feedback or questions on the charter can be emailed to Rebecca Guo (rebecca.guo@stantec.com) or Ken Payne (ken.payne@edcgov.us)





Discussion and Questions

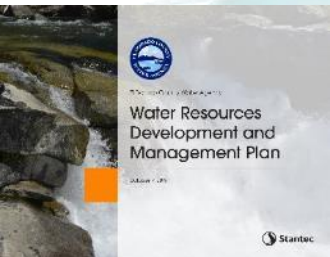
Facilitated by: Lisa Beutler, Senior Principal Facilitator, Stantec



Break Out Session

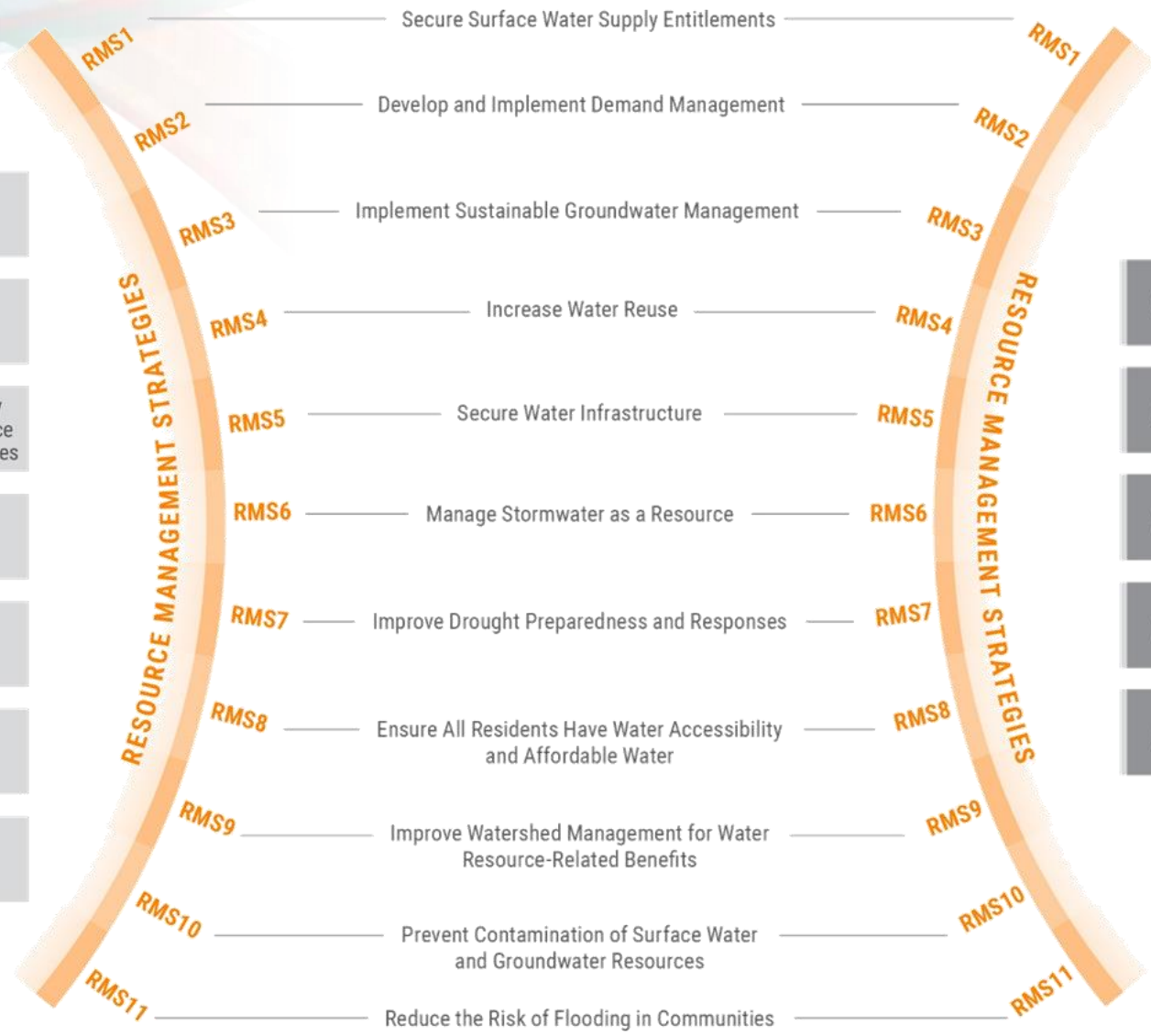
2022 Spring Countywide Plenary for Water





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



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

SB 552

UARB Watershed Planning



Focusing on Resilience

Information Item	SB 552 – Drought Planning for Small Water Suppliers and Rural Communities	Upper American River Watershed Planning
Geographic Region		
- West Slope	Yes	Yes
- Tahoe Basin	Yes	No (TRPA has it covered)
Initiative		
- Trigger	Drought (SB 606 and AB 1668 of 2018)	Reclamation's WaterSMART Cooperative Watershed Management Program Grant for Phase 1 watershed group formulation.
- Target	The response actions should be applicable for all reasons interrupting water supply	Full coverage of relevant topics for the West Slope for countywide benefits in the context of integrated water management promoted by WRDMP.
- Aspiration	"No one should go without running water during a drought" – SB 522	Implementation that supports and is supported by local communities and economy





Breakout Session Instruction





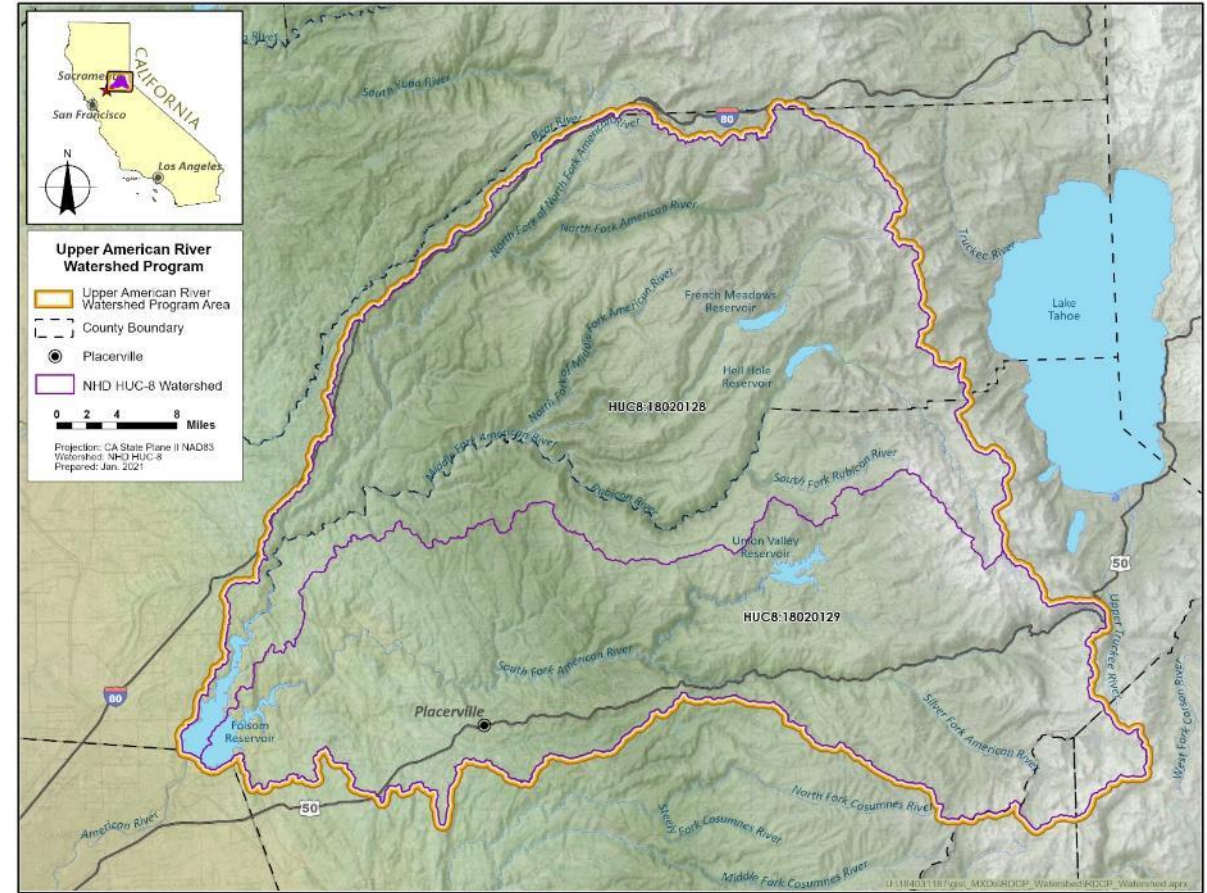
Upper American River Watershed Planning

Yung-Hsin Sun, Stantec Consulting Services Inc.



Reclamation's WaterSMART Grant

- EDWA was awarded a 2021 Cooperative Watershed Management Program Phase I Grant for forming an Upper American River watershed group and starting watershed planning and action/project development.
- EDWA acts as a convenor of the watershed group. Other agencies with a responsibility countywide like EDWA include El Dorado and Georgetown Divide RCDs and County of El Dorado.
- Many agencies and groups provided supporting letters for the proposal.
- EDWA plans to expand the region to cover the remaining West Slope in the Cosumnes River watershed.
- Why a new group? We do not have a group for covering the West Slope geographic area and watershed topics.

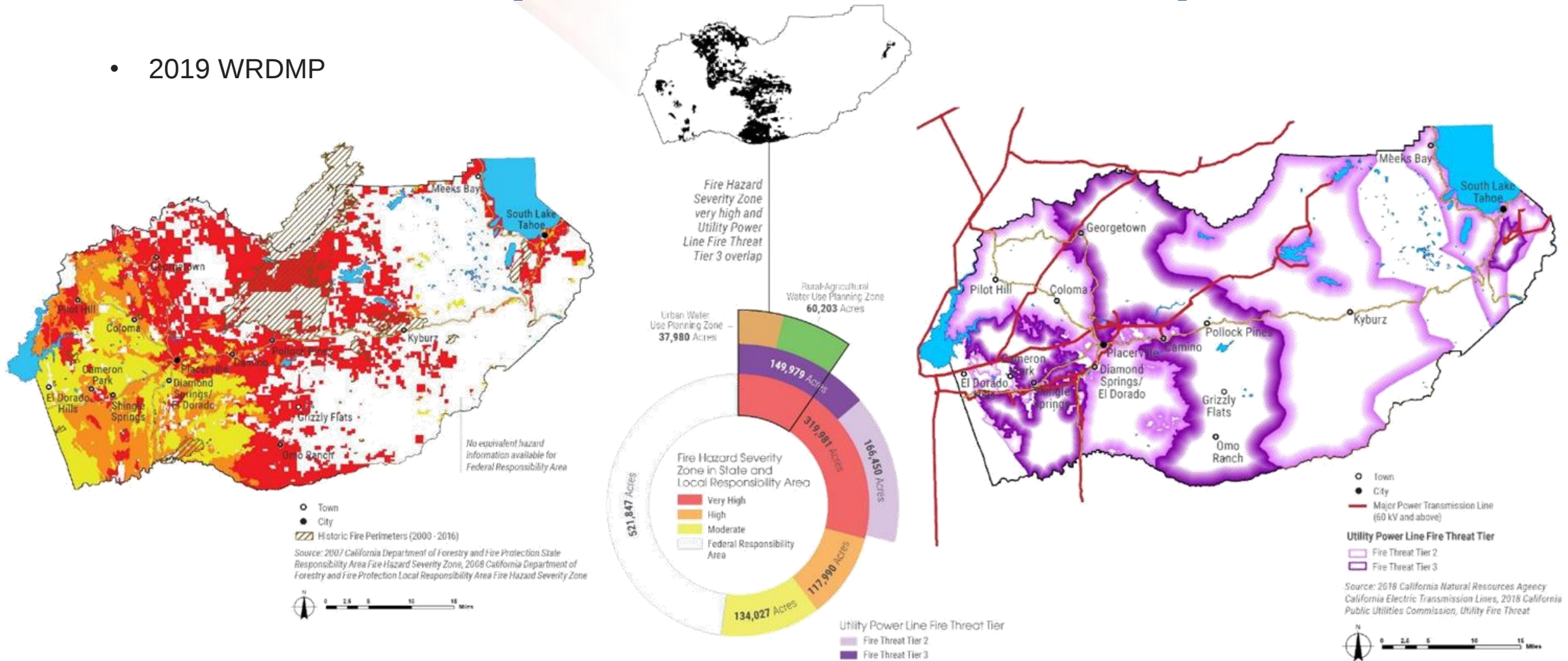


Key: NHD = National Hydrography Dataset; HUC = Hydrologic Unit Codes
Upper American River Watershed



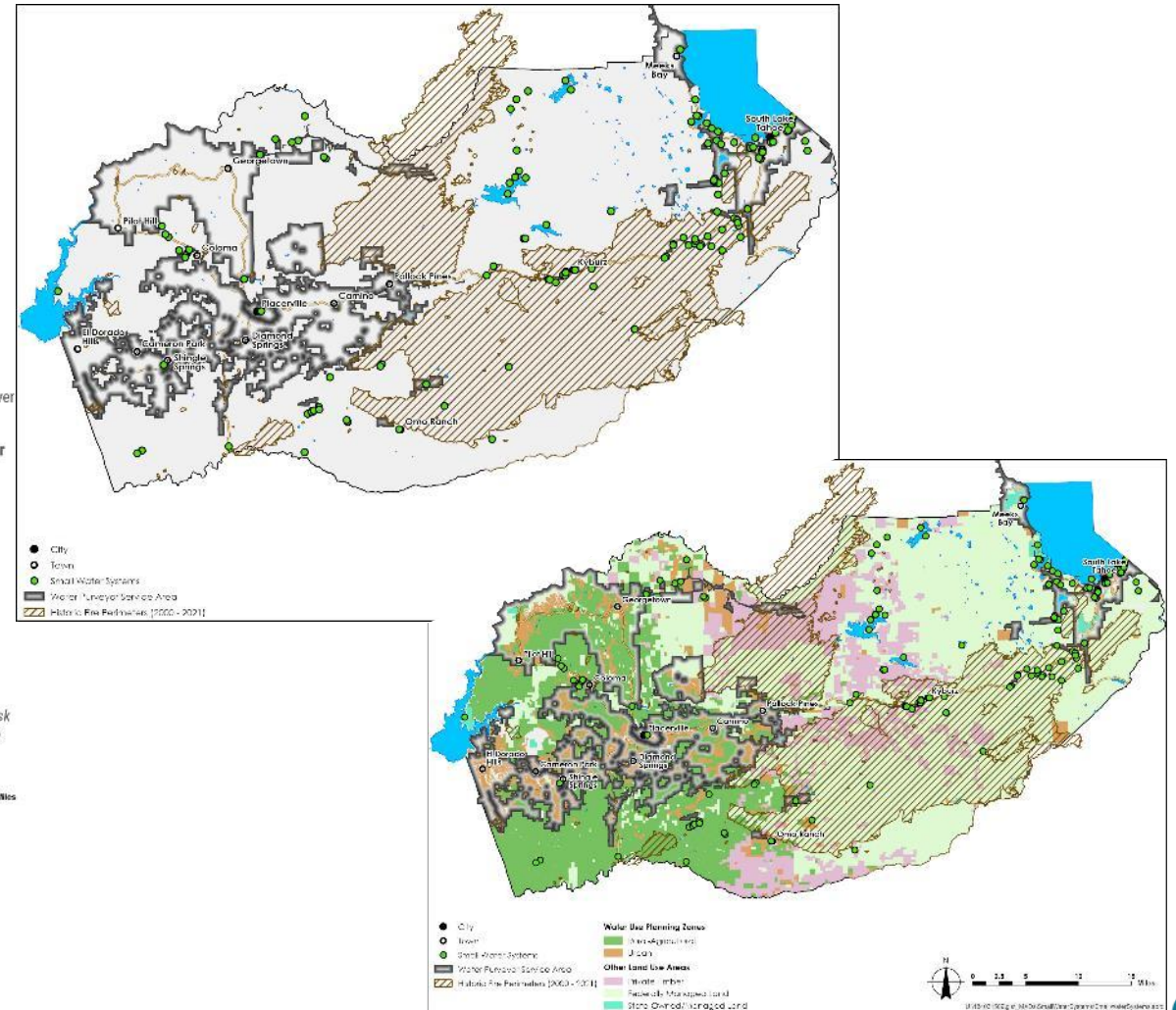
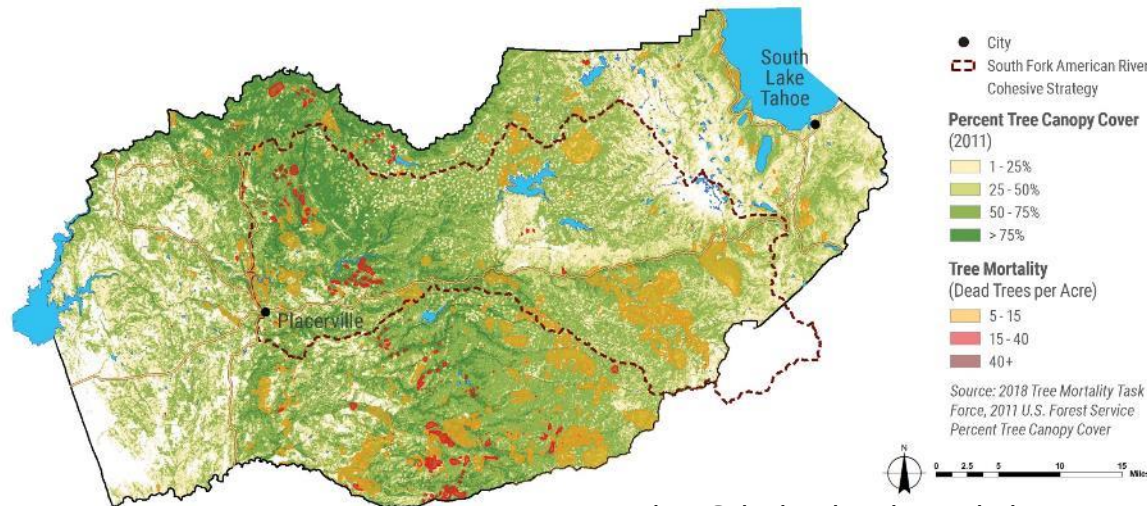
Wildfire is a Symptom of Management Issues but a Good Example for Discussion Purposes

- 2019 WRDMP



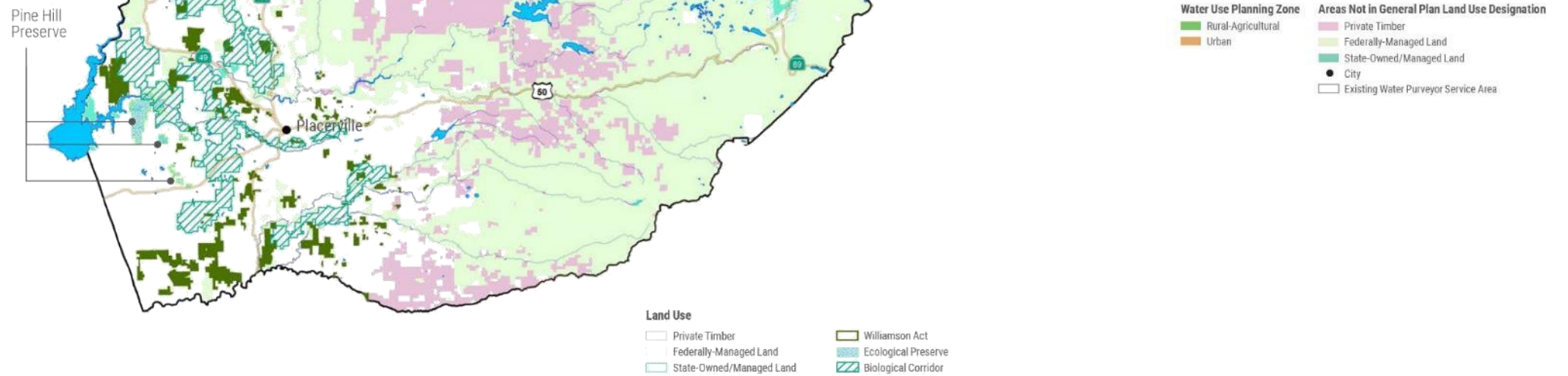
Wildfire is a Symptom of Management Issues but a Good Example for Discussion Purposes

- 2019 WRDMP, SOFAR Group did a good job for fire but with limited coverage for both geography and topics



Complex Authorities and Jurisdictions

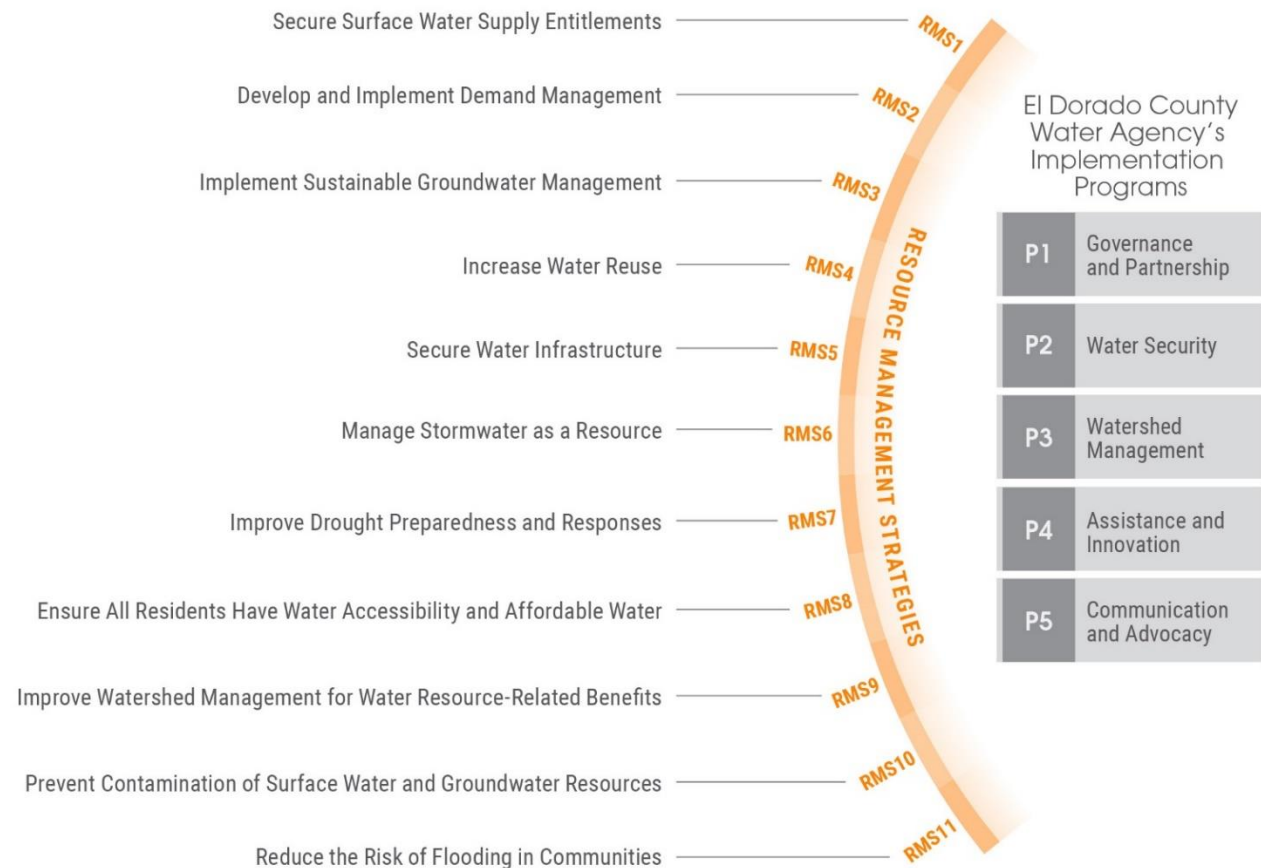
- Land use and land management authorities and jurisdictions are complex in El Dorado County; more so in the West Slope.



Source: County of El Dorado, January 2019



WRDMP Watershed Management Program



In WRDMP, We have outlined issues that need to be addressed on a watershed level but focusing on water resource-related topics.

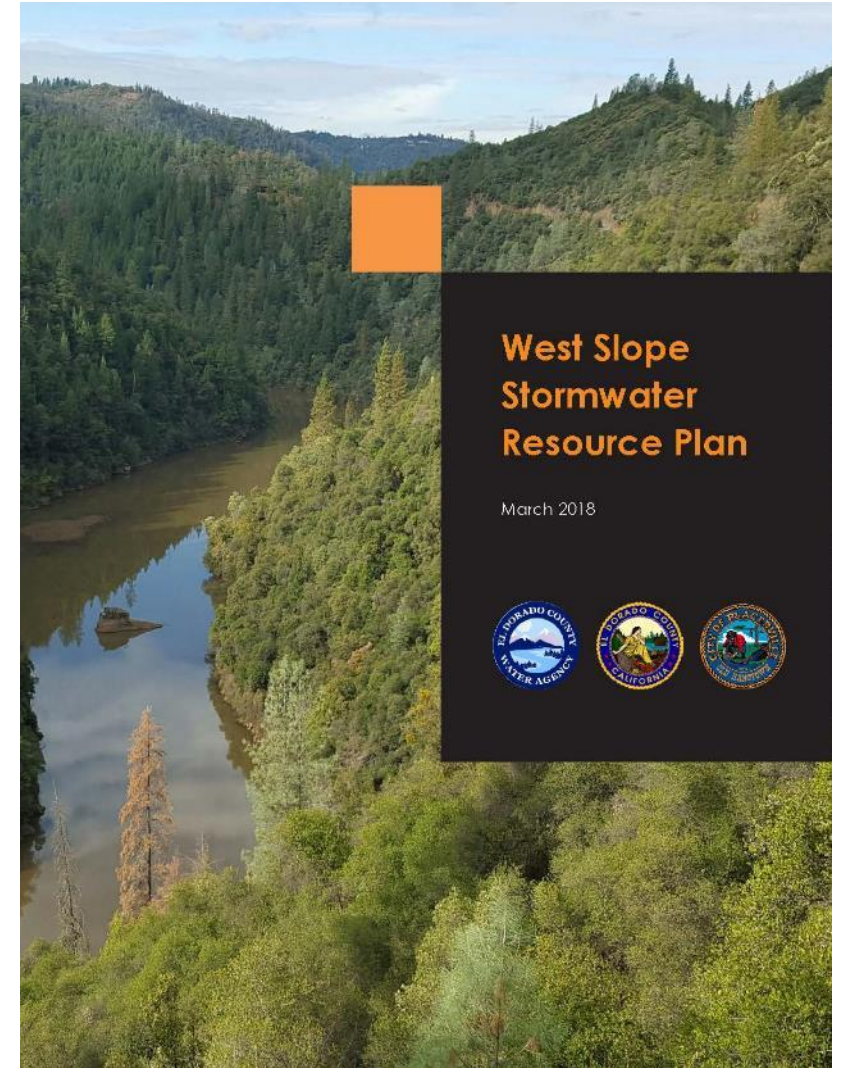
- Stormwater as a resource
- Water quality management
- Headwaters meadow restoration
- Environmental protection
- Forest management (a broad topic)
- Biomass utilization (large quantity and community capacity)

There should be more if from the viewpoint of a healthy, sustainable, and resilient watershed. More importantly, **EDWA believes that a watershed management program needs to support and be supported by communities.**



EDWA Related Initiatives

- West Slope Stormwater Resources Plan (Stantec, 2018)
- Partners: EDWA, County of El Dorado, and City of Placerville
- A requirement for state grants
- Annual reports
- Many projects were implemented.
- Plan to start a 5-year update in late 2022



EDWA Related Initiatives

- Leek Spring Meadow Restoration Project, with American River Conservancy
- 160 acres for the purpose of Forest Habitat under the California Forest Conservation Program in El Dorado County
- EDWA serves as the planning CEQA lead

Photo credit: American River Conservancy



EDWA Related Initiatives

- Caldor Fire Emergency Response and Recovery as part of the County response team
- Working with CalOES, RCD and USFS (through RCD) on watershed restoration for Grizzly Flats CSD's source of water
- Other supporting activities



Grizzly Flats CSD's Storage Reservoir after the Caldor Fire (Photo Credit: GFCSD)





Discussion Topic 1

- What topics we should pay attention to in watershed planning for the Upper American River Watershed? Who should participate? (*We did have some ideas but want to hear from you, too.*)



Community Capacity and Local Economics

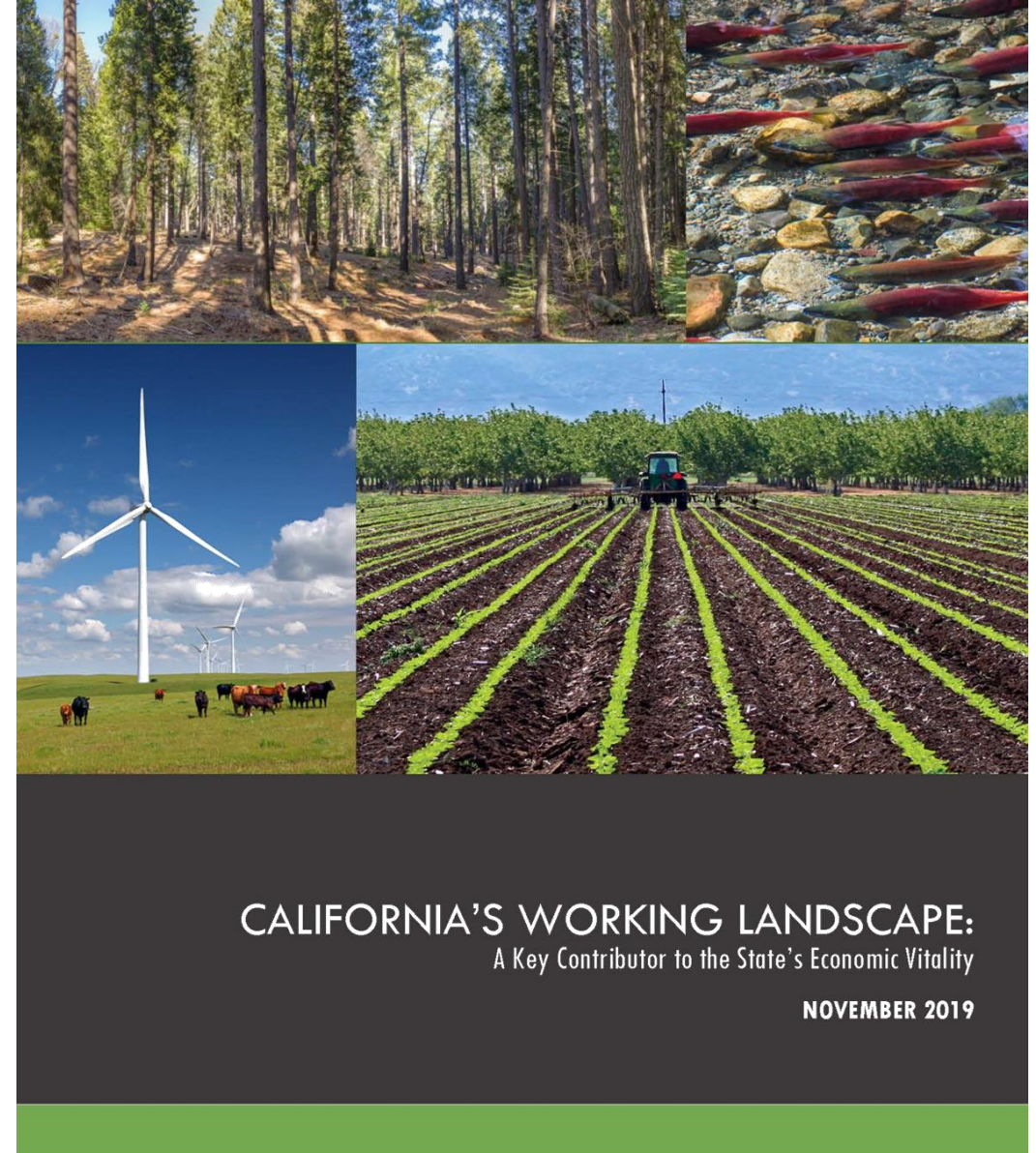
- Is “Working Landscape” a right policy concept for El Dorado County?
- Global Rangeland: A working landscape is a cohesive unit of land that is ecologically, socially, and economically connected.
- Vermont may be the first state focusing on this policy:

“When most people talk about the ‘Working Landscape’ they are referring to the land actively used in productive agriculture and forestry. Yet to many Vermonters, the working landscape also means additional public values it provides, including aesthetics, contributions to the tourism economy, and its central role in building a common sense of place and the Vermont quality of life. These values are all hard to quantify, but vital to the personal identity of Vermonters.”



UCANR 2019 Study

- The term “working lands” has typically been used to describe conservation efforts focused on protecting rural lands, namely agricultural land, forests used for timber, and range lands. This report has adopted the broader term “working landscape” which goes beyond the “working lands” definition to encompass the economic benefits derived from ocean fishing, renewable energy generation, mining, and public lands used for outdoor recreation.



CALIFORNIA'S WORKING LANDSCAPE:

A Key Contributor to the State's Economic Vitality

NOVEMBER 2019

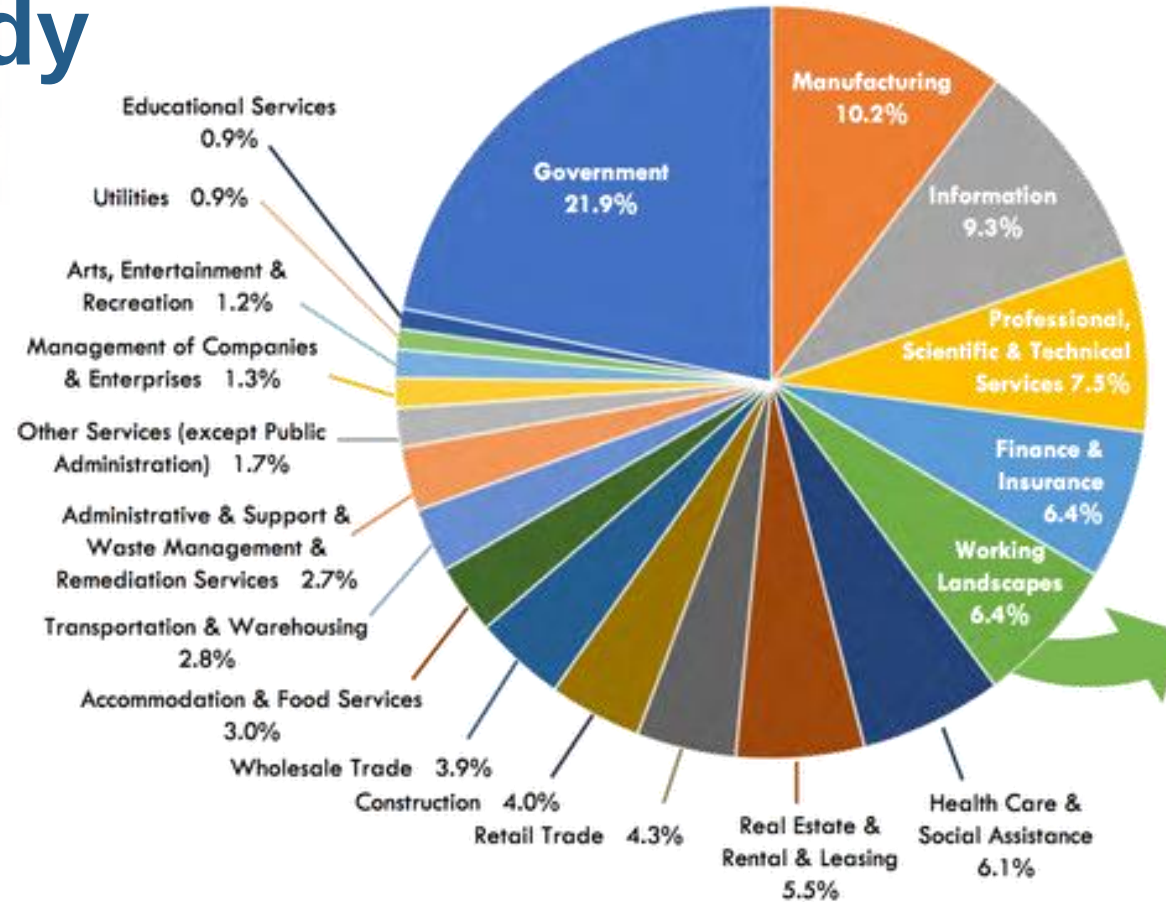


UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources



UCANR 2019 Study

- California's working landscape makes up 6.4% of the total economy and contributes \$333B in sales, 1.5M jobs and \$87B in earnings.



\$333 Billion Sales

Agriculture	\$263.5 B
Mining	\$32.2 B
Forestry	\$23.2 B
Outdoor Recreation	\$6.3 B
Renewable Energy	\$5.9 B
Fishing	\$1.7 B

1.5 Million Jobs

\$85 Billion Earnings

Total California 2018 sales is \$4,015,337,714,945 — just over \$4 trillion.

SOURCE: Report by California Community Colleges Centers of Excellence using 2018 data from the North American Industry Classification System (NAICS)



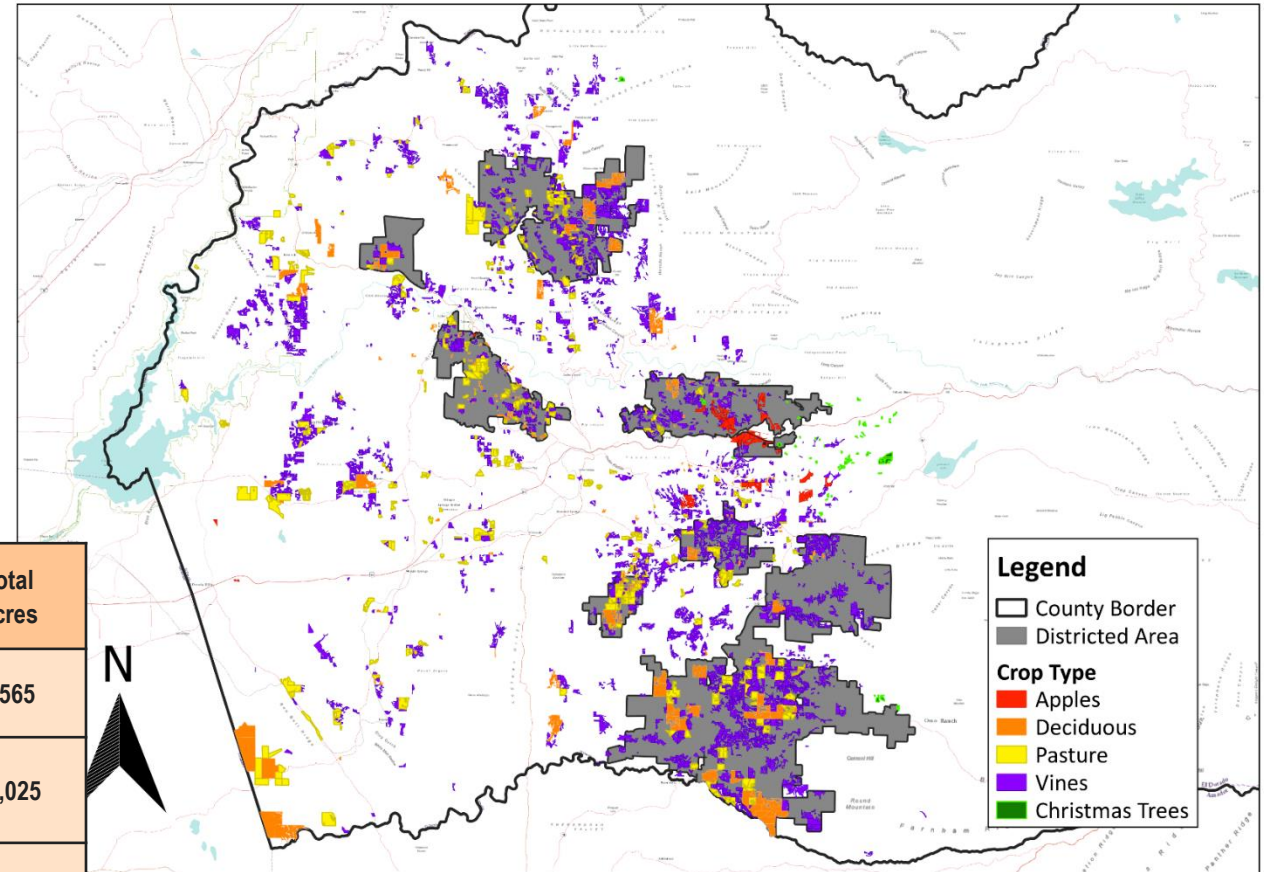
EDWA Initiatives Related to Working Landscape

- West Slope Agricultural Development Opportunity Study (Davids Engineering and ERA Economics, 2020).
- Preliminary information supporting the WRDMP development
- Partners: County of El Dorado, Ag Commissioner, EDC Farm Bureau, EID, UCANR, and local business reps and citizen groups.

Potentially Developable Footprint

Irrigated Acreage	Apples	Vineyard	Pasture	Misc. Deciduous	Xmas Trees	Total Acres
Currently Irrigated	650	2,530	1,625	535	225	5,565
Potentially Developable	1,030	24,270	8,170	7,275	280	41,025
Total Footprint	1,680	26,800	9,795	7,810	505	46,590

Note: Economic analysis based on demand; no analysis of supply factors/costs



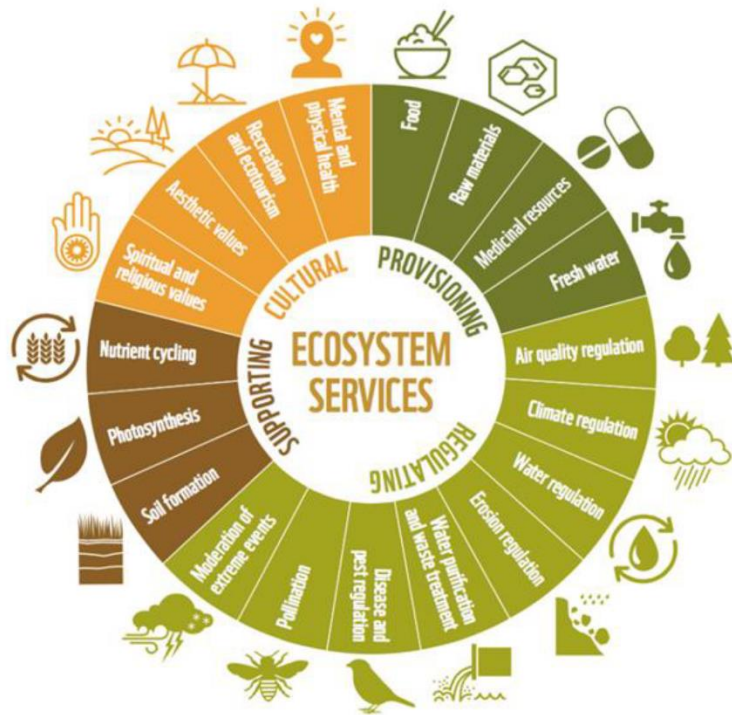
EDWA Initiatives Related to Working Landscape

- Cattle grazing pilot project in the Auburn Project Land/Auburn State Recreation Area for fuel management, partnered with local ranchers, Cool-Pilot Hill Fire Safe Council, UCANR, US Department of the Interior, Bureau of Reclamation and California Department of Parks and Recreation (new initiative in 2022).



Value of Ecosystem Services

- 2019 UCNAR study did not include the value of ecosystem services but stated that the value of ecosystem services could surpass direct sales.



- Other initiatives: e.g., Three-County Healthy Lands and Healthy Economies Initiative
 - A collaboration by Sonoma County Ag + Open Space, RCD of Santa Cruz County, and the Santa Clara Valley Open Space Authority.
 - Focus on both working and natural lands, including ecosystem services
 - <https://www.sonomaopenspace.org/projects/healthy-lands-healthy-economies/>
- See USFS website for the definition of ecosystem services and their activities.
https://www.fs.fed.us/ecosystemservices/About_ES/





Discussion Topic 2

- Is the concept of working landscape right for El Dorado County? If so, what may be needed to make it work?



Implications of Senate Bill 552 Implementation on El Dorado County

Spring 2022 Countywide Plenary for Water

April 26, 2022



Background



Legislation Preceding SB 552

- In June 2018, **Assembly Bill 1668** and **Senate Bill 606** (2018 Water Conservation and Drought Planning Legislation) were passed
- Tasked DWR and the State Water Resources Control Board with implementing several directives related to urban and agricultural water use efficiency and **countywide drought resiliency**





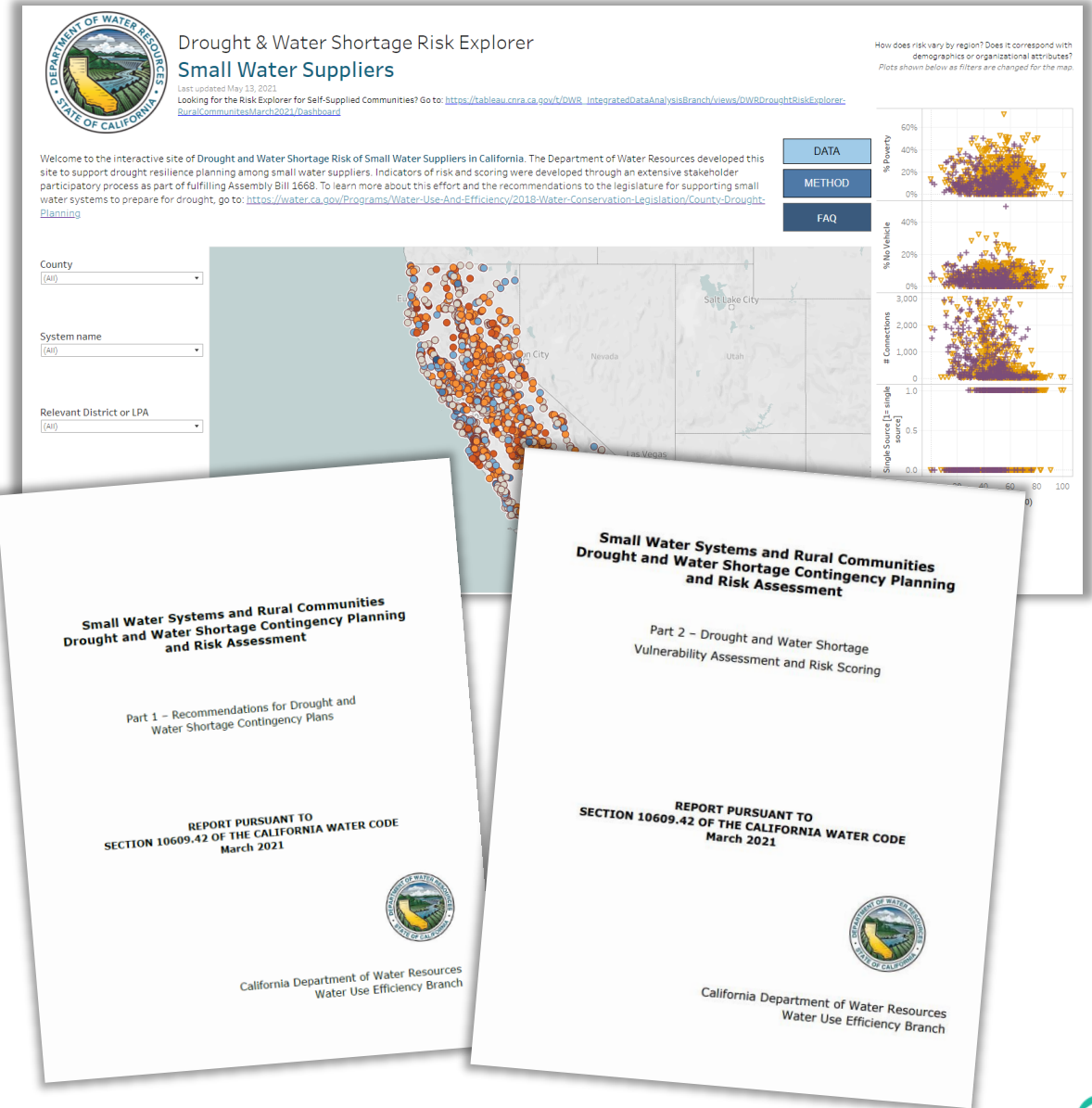
County Drought Advisory Group

- Formed in November 2018 to advise DWR on:
 - Identifying small water suppliers and rural communities at risk of drought and water shortage
 - Developing recommendations and guidance for drought and water shortage contingency plans to address the needs of these communities



EDWA Involvement

- Active CDAG member (along with 31 other members from county agencies, water agencies, academia, tribal communities, and industry)
- Provided comments to improve DWR's report considering the county's unique foothill conditions.





Executive Order N-7-22

- Issued March 28, 2022
- Requires majority of urban water suppliers to enact Level 2 of their Water Shortage Contingency Plans
- Includes limitations on building new wells or altering existing ones, if well provides at least two acre-feet per year of groundwater.

Requires findings that extracting groundwater:

- (1) would not interfere with nearby wells and
- (2) is not likely “to cause subsidence that would adversely impact or damage nearby infrastructure”





Pending Emergency Regulation for Conservation

- Draft released April 20, 2022 by State Water Board
- Requires urban water suppliers to submit annual water supply and demand assessment (preliminary draft by June 1, 2022)
- Requires urban water suppliers to enact Level 2 of their Water Shortage Contingency Plans (20% shortage) by June 10, 2022
- Prohibits irrigation of non-functional turf at commercial, industrial, and institutional sites

https://www.waterboards.ca.gov/water_issues/programs/conservation_portal/regs/docs/working-staff-draft-april20.pdf





Senate Bill 552 Requirements

Definitions

Community water system = public water system that serves at least 15 service connections used by yearlong residents or regularly serves at least 25 yearlong residents of the area

Small water suppliers = community water system serving 15-2,999 service connections and less than 3,000 AF annually

State small water systems = water system serving 5-14 service connections and does not regularly serve drinking water to more than an average of 25 individuals daily for more than 60 days out of the year

Nontransient noncommunity water system = public water system that is not a community water system and that regularly serves at least 25 of the same persons over 6 months per year

Domestic well = groundwater well used to supply water or the domestic needs of an individual residence or a water system that is not a public water system and that has no more than 4 service connections



Small Water Suppliers/Systems in El Dorado County

Connections	Community Water Systems	Noncommunity Water Systems	Nontransient Noncommunity Water Systems	State Small Water System	Total
1,000-2,999 Service Connections	2	0	0	N/A	2
15-999 Service Connections	13	46	2	N/A	61
5-14 Service Connections	N/A	19	5 (5)	20	44
<5 Service Connections	N/A	32	2	N/A	34
Total	15	97	9	20	141

N/A = not applicable per definition





1. Community water systems serving 1,000-2,999 service connections and nontransient noncommunity water systems that are schools

- Develop and maintain an abridged Water Shortage Contingency Plan (WSCP) with specific drought planning elements by July 1, 2023
 - Make WSCP available on their website or if no website is available, to persons upon request
 - DWR and State Water Board to provide template by December 31, 2022
- Report annually specified water supply condition information to the State Water Board
- Implement certain resiliency measures as early as January 2023





2. Community water systems serving 15-999 service connections

- Add drought planning elements to their Emergency Notification or Response Plans
- Plan should be updated every 5 years or after significant changes
- Report annually specified water supply condition information to the State Water Board





3. State Small Water Systems and domestic wells within County's jurisdiction

County to **develop a plan** that includes potential drought and water shortage risk and proposed interim and long-term solutions

- May be a stand-alone document or included to an existing county plan





3. State Small Water Systems and domestic wells within County's jurisdiction (Contd.)

County to **establish a standing county drought and water shortage task force** to facilitate drought and water shortage preparedness

- May establish an alternative process which occurs on a regular basis and during drought or water shortage emergencies
- County Board of Supervisors designated the Plenary's advisory group to serve as the Task Force
- Today's Plenary initiates this process and will help structure the Task Force

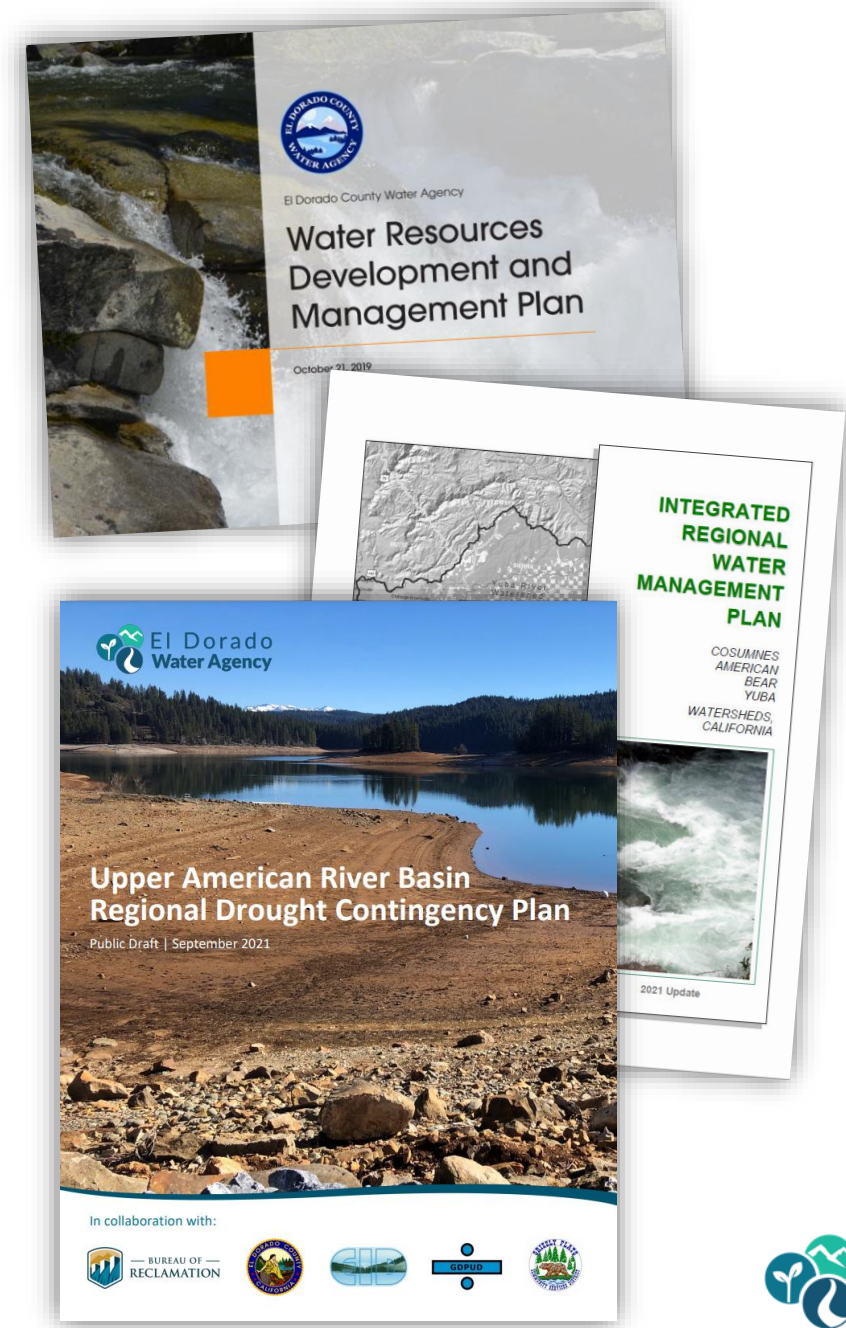




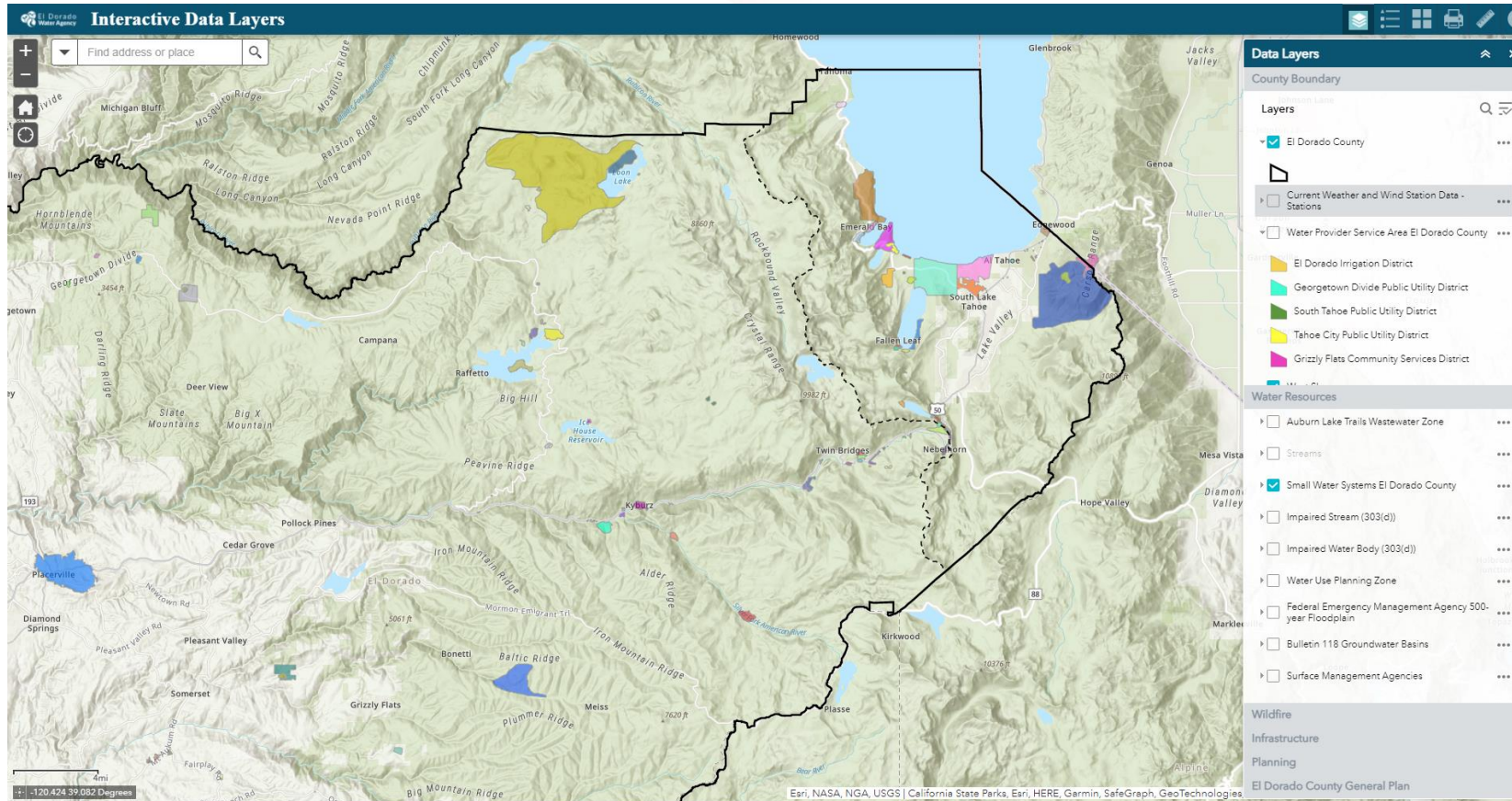
Existing and Ongoing Related Planning Efforts

Existing Plans and Ongoing Efforts

- **Water Resources Development and Management Plan**
 - Integrated and collaborative water management approach to address water resource-related challenges in El Dorado County
- **Regional Drought Contingency Plans**
 - Plan to increase the resiliency of water resources in the face of climate change and droughts
- **Cosumnes, American, Bear, and Yuba (CABY) Integrated Regional Water Management Plan**
 - Identifies broadly-supported goals, objectives, strategies, actions, and projects within the CABY region to address long-term water supply needs.
- **Local Hazard Mitigation Plan**
 - Plan to reduce or eliminate long-term risk to people and property from hazards in El Dorado County



EDWA's Online Mapping and Data Portal



Provides an interactive platform to view individual and overlaid GIS layers—such as service areas for public water agencies and small water systems.

